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**CENTRAL ASIAN FLYWAY SITUATION ANALYSIS 2023**

*(Prepared by BirdLife International)*

Summary:

This information document was submitted by BirdLife International, and provides the Central Asian Flyway Range States and Stakeholders with key information to align flyway-scale actions to conserve its migratory birds and their habitats.

# Central Asian Flyway Situation Analysis 2023

The status of migratory birds and their habitats  
and recommendations for their conservation



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BirdLife International has produced this report in cooperation with the UNEP/CMS Secretariat to inform and support the development of an institutional framework for the Central Asian Flyway under the auspices of the Convention on Migratory Species as outlined in CMS COP Decision 13.46.

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### **Photo front cover:**

Bar-headed Geese (photo: Tuhina Katti)



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## Executive Summary

The Central Asian Flyway (CAF) extends across the central part of the Eurasian continent. It spans 30 countries, overlapping with the African–Eurasian and East Asian–Australasian flyways. It is home to 605 migratory bird species from 84 families; among them are waterbirds, raptors and other landbirds, and seabirds. According to the IUCN Red List of Threatened Species (2022), at least 40% of these species have declining global populations, with 48 being globally threatened.

The migratory birds along the CAF use a variety of habitats during their annual cycle: from the arctic tundra to tropical grasslands, from deserts to the open ocean, and from undisturbed forests to dense urban areas. The region supports over a sixth of the world’s human population, including many developing nations and some of the fastest-growing economies, to which migratory birds are of rich cultural and spiritual value.

Despite countries in the CAF having a long history of collaborating to study their migratory birds, large gaps in the knowledge of most species remain. Understanding their ecology, migration strategies, population sizes and trends, and threats is key to designing effective conservation strategies. Successful conservation is also tied to the major development challenges in the region. Those related to climate change can especially present large-scale, cross-border challenges. Worsening climatic conditions will increase stress on arid landscapes, wetlands, and other habitats upon which people and birds depend, and development of infrastructure can put further pressure on the environment. However, incorporating nature-safe energy developments and nature-based solutions can benefit both people and birds. By understanding and managing such risk, countries can minimise impacts on biodiversity and prevent associated delays in infrastructure construction.

Migratory birds provide a link for countries within the flyway to work together and a platform upon which they can engage and learn from other flyways. Most CAF countries are signatories to multilateral environmental agreements such as the Convention on Biological Diversity, the Ramsar Convention on Wetlands, and the United Nations Framework Convention on Climate Change. Fewer countries are party to the Convention on Migratory Species (CMS). The CAF lies within the geographic boundaries of four major CMS instruments that cover different bird groups. These include the African Eurasian Migratory Waterbird Agreement (covering about half the countries), the CMS CAF Action Plan for the Conservation of Migratory Waterbirds and their Habitats (covering all the countries), the CMS Memorandum of Understanding on the Conservation of Migratory Birds of Prey in Africa and Eurasia (Raptors MOU) (covering all but one country), and the African-Eurasian Migratory Landbirds Action Plan (AEMLAP) (covering all but four countries). In addition, the East Asian – Australasian Flyway Partnership with a focus on migratory waterbirds covers five of the eastern CAF countries. CMS and other frameworks provide instruments that cover specific bird groups, however, at present, there is no instrument protecting all CAF migratory birds. To address this, at the COP13 in 2020<sup>1</sup>, the CMS adopted the Flyways Resolution 12.11 (Rev.COP13) and corresponding Decision 13.46, committing to develop “an institutional instrument under CMS to support the implementation of increased conservation action for migratory birds and their habitats in the CAF, as well as to support this initiative with resources, in coordination with the existing CMS avian-related instruments”.

1 <https://www.cms.int/en/document/flyways-4>

BirdLife International, along with the CMS Secretariat, has prepared this Situation Analysis to provide CAF stakeholders with key information to align flyway-scale actions to conserve its migratory birds and their habitats.

The report summarises the conservation status and the existing and emerging threats and opportunities revealed by the literature and expert consultations and serves as a benchmark to raise the profile of migratory birds of the CAF.

The report reviewed the following topics:

- Ecology and importance of the Central Asian Flyway, including a review of the conservation status of migratory species, key habitats and sites, and knowledge gaps;
- Critical site networks across the flyway for landbirds, raptors, and waterbirds
- Major direct and indirect threats and their drivers
- Capacity of countries to engage in research and conservation efforts
- Existing actions to conserve migratory birds and their key habitats and sites

We consolidated a list of 1,717 sites of international importance for the migratory birds of the CAF. The most direct threats are legal and illegal capture and hunting of adults, young and eggs; collisions and electrocution with man-made structures; human disturbance (to breeding, feeding, and roosting areas); artificial light pollution; diseases; invasive species; poisoning; plastic pollution; and impacts on food availability.

Additionally, the birds suffer indirect threats from habitat loss and degradation (deforestation, agrochemicals, loss of wetlands, unsustainable land use, mineral exploration and extraction, urbanisation, road construction, pollution, and water and fire damage), including the potential impacts of climate change.

Priority measures to address the threats to migratory birds have been identified. Emphasis was given to the development context within which these priorities will be addressed, particularly the urgent need for action to mitigate and adapt to climate change.

#### **Recommendations:**

**A. CAF collaborative framework:** developing an initiative to optimise synergies among international frameworks (formal and informal) and key stakeholders (including governments, international NGOs, and scientists).

**B. Species management:** securing and restoring populations and their habitats, including implementing existing action plans for globally threatened species. Listing of eight globally threatened and one as near-threatened CAF species under the CMS Appendices.

**C. Reducing direct mortality:** regulating the legal capture of wild individuals, tackling and preventing illegal taking, and preventing poisoning, collisions and disease outbreaks.

**D. Management of important sites and networks:** identifying and managing sites and establishing networks of importance to migratory birds that build on existing international frameworks, initiatives, and national protected areas.

**E. Landscape management:** tackling land-use changes related to agriculture, forest products, water use, and energy production; re-vegetating and reducing desertification and carbon emissions from deforestation and degradation; and reducing human-wildlife conflict.

**F. Research and monitoring:** understanding migration patterns and connectivity within the flyway, the



causes of population change, and monitoring population trends. Bringing in a social sciences perspective on the human motivations and drivers related to the key threats, how to address them, build local capacity, and improve information exchange, collaboration and coordination amongst researchers.

**G. Education and information:** improving public awareness and understanding of migratory bird species.

**H. Integrating actions for climate and migratory species:** aligning the conservation of migratory birds and their habitats with climate mitigation and adaptation measures. This is a great opportunity to mobilise resources and highlight the importance of grasslands, freshwater and coastal systems, and traditional agriculture and land use practices.

**I. Financing:** increase the funding for conservation in the flyway by an order of magnitude. Identify innovative financing options – including from the private sector – that enable the implementation of long-term programmes needed for species and habitat related research, habitat management and restoration while also addressing local livelihoods and the climate emergency.

**J. Strengthening capacity:** building and strengthening local and national capabilities to implement the interventions that will deliver the necessary integrated, large-scale impacts.

Implementing the recommendations will help reverse the decline of migratory bird species of the CAF and improve the management and restoration of important habitats. It will also provide a foundational framework upon which policies and actions on migratory species and climate change can be built while including the well-being of local communities.

## تحليل حالة مسار هجرة الطيور لوسط آسيا حالة الطيور المهاجرة وموائلها والتوصيات لحمايتها

### ملخص تنفيذي

يمتد مسار هجرة الطيور لوسط آسيا (FAC) عبر قلب القارة الأوراسية، ويضم ٠٢ دولة تتداخل مع مسار هجرة الطيور الإفريقي-الأوراسي والجزء الشرقي من مسار الهجرة الشرق آسيوي-الاسترالي، ويعد هذا المسار موطنًا لـ ٥٠٦ نوعًا من الطيور المهاجرة تنتمي إلى ٤٨ عائلة؛ من بينها الطيور المائية والطيور الجارحة وطيور أخرى برية وبحرية. وحسب القائمة الحمراء للأنواع المهددة بالانقراض الصادرة عن الاتحاد الدولي لحماية الطبيعة لعام (٢٠٢٢) هناك ما لا يقل عن ٠٤٪ من هذه الأنواع تعاني انخفاضًا في أعدادها على المستوى العالمي، ومنها ٨٤ نوعًا مهددًا بالانقراض عالميًا.

تستخدم الطيور المهاجرة على طول مسار هجرة الطيور لوسط آسيا مجموعة متنوعة من الموائل خلال دورة حياتها السنوية: فمن القطب الشمالي إلى السهول الاستوائية، ومن الصحاري إلى المحيط المفتوح، ومن الغابات المفتوحة إلى المناطق الحضرية المكتظة. وتضم المنطقة أكثر من سدس سكان العالم، بما في ذلك العديد من الدول النامية وبعض أسرع الاقتصادات نموًا، حيث تتمتع الطيور المهاجرة بقيمة ثقافية وروحانية عالية.

وبالرغم من التعاون الطويل بين دول مسار هجرة الطيور لوسط آسيا لدراسة طيورها المهاجرة، إلا أن هناك فجوات كبيرة في معرفتنا بمعظم الأنواع. إن فهم بيئتها واستراتيجيات الهجرة وحجم ونمو مجموعاتها والتحديات التي تواجهها هو أمر أساسي لوضع استراتيجيات فعالة للحفاظ عليها. ويرتبط الحفاظ الناجح أيضًا بالتحديات التنموية الرئيسية في المنطقة. ويمكن أن تشكل التغيرات المناخية تحديات واسعة النطاق عبر الحدود بين الدول، إذ تؤدي الظروف المناخية المتفاقمة إلى زيادة الضغط على الشكل الطبيعي للمناطق الجافة والمناطق الرطبة وغيرها من الموائل التي يعتمد عليها البشر والطيور على حد سواء، كما يمكن لتطوير البنية التحتية أن يضيف ضغطًا على البيئة. وعلى أية حال، فإن دمج وتطوير الطاقة الآمنة للبيئة والحلول القائمة على المصادر الطبيعية بالفائدة على كل من البشر والطيور، من خلال فهم وإدارة هذه المخاطر، يمكن للدول تقليل الآثار على التنوع الحيوي ومنع التأخير المرتبط بعمليات البنية التحتية.

وتُمثل الطيور المهاجرة حلقة وصل للتعاون بين دول مسار هجرة الطيور لوسط آسيا، وتوفر منصة للحوار وتبادل الخبرات مع مسارات الهجرة الأخرى. حيث تعد معظم دول مسار هجرة الطيور لوسط آسيا من الدول الموقعة على اتفاقيات بيئية متعددة الأطراف، مثل اتفاقية التنوع الحيوي واتفاقية رامسار بشأن الأراضي الرطبة واتفاقية الأمم المتحدة الإطارية المتعلقة بتغير المناخ. وعدد قليل منها موقعة على اتفاقية الأنواع المهاجرة (SMC).

يقع مسار هجرة الطيور في وسط آسيا ضمن الحدود الجغرافية لأربع أطر مؤسسية رئيسية باتفاقية الأنواع المهاجرة (SMC) والتي تغطي مجموعات مختلفة من الطيور، منها اتفاقية الطيور المائية المهاجرة بين أفريقيا وأوراسيا (تغطي نحو نصف دول المسار)، وخطة عمل مسار هجرة الطيور لوسط آسيا للاتفاقية لأجل حفظ الطيور المائية المهاجرة وموائلها (تغطي جميع الدول)، ومذكرة التفاهم للاتفاقية بشأن حفظ الطيور الجارحة المهاجرة في أفريقيا وأوراسيا (UOM srotpaR) (تغطي جميع الدول عدا دولة واحدة)، وخطة عمل الطيور البرية المهاجرة بين أفريقيا وأوراسيا (PALMEA) (تغطي جميع الدول عدا أربع دول). علاوة على ذلك، تشمل شراكة مسار هجرة الطيور في شرق آسيا - أستراليا التي تركز على الطيور المائية المهاجرة (خمس دول من الجزء الشرقي لمسار هجرة الطيور لوسط آسيا).

وتوفر اتفاقية الأنواع المهاجرة (SMC) والإطارات الأخرى وسائل تغطي فئات محددة من الطيور، لكن لا توجد حاليًا وسيلة للحفاظ على جميع طيور مسار الهجرة لوسط آسيا. ولتعزيز ذلك، تبنت الاتفاقية، في مؤتمر الأطراف الثالث عشر لعام ٢٠٢٢، قرار مسارات هجرة الطيور رقم ١١،٢١ (31POC.ver) ولاحقًا القرار رقم ٦٤،٢١، نلتزم فيهما الدول «بتطوير أداة مؤسسية تحت مظلة الاتفاقية لدعم تنفيذ المزيد من إجراءات الحفاظ للطيور المهاجرة وموائلها في مسار هجرة الطيور لوسط آسيا، وكذلك دعم هذه المبادرة بالموارد، وذلك بالتنسيق مع الأطر المؤسسية القائمة للاتفاقية المتعلقة بالطيور».

وقد أعد البيردلايف انترناشونال، بالتعاون مع سكرتارية اتفاقية الأنواع المهاجرة SMC تحليلًا للوضع الحالي لتزويد أصحاب العلاقة في مسار الهجرة في لوسط آسيا بمعلومات أساسية لتوحيد جهود الحفاظ على مستوى المسار لحماية الطيور المهاجرة وموائلها.

ويلخص التقرير حالة الحفاظ والمهددات والفرص القائمة التي كشفت عنها المراجع وآراء الخبراء، والتي تمثل المعيار المرجعي لرفع مستوى المعلومات المتوفرة لملف الطيور المهاجرة في مسار هجرة الطيور لوسط آسيا.

ضم التقرير مراجعة للمواضيع التالية:

- بيئة وأهمية مسار هجرة الطيور لوسط آسيا: بما في ذلك مراجعة لحالة الحفظ لأنواع المهاجرة، والموائل والمواقع الرئيسية، وفجوات المعرفة.
- شبكة المواقع الحرجة عبر المسار: للطيور البرية-الجارحة-و المائية.
- المهددات الرئيسية المباشرة وغير المباشرة و مسيبتها.
- قدرة الدول على المشاركة في جهود البحث والحفظ.
- الإجراءات الحالية لحفظ الطيور المهاجرة وموائلها ومواقعها الرئيسية.

لقد قمنا بتجميع قائمة تضم ٧١٧١ موقعًا ذا أهمية دولية للطيور المهاجرة في مسار هجرة الطيور لوسط آسيا. حيث شملت أهم المهددات المباشرة: الصيد والصيد غير القانوني للطيور البالغة والفراخ وجمع البيض، والاصطدام والصق الكهربي بخطوط الطاقة، والعوامل البشرية (في مناطق التكاثر والتغذية والمبيت)، تلوث الضوء الاصطناعي، والأمراض، والأنواع الغازية، والتسمم، والتلوث بالبلاستيك، وأثار تراجع توفر الغذاء. بالإضافة إلى ذلك، تعاني الطيور من تهديدات غير مباشرة من فقدان وتدهور الموائل (إزالة الغابات، والمواد الكيميائية الزراعية، وفقدان الأراضي الرطبة، واستخدام الأراضي غير المستدام، واستكشاف واستخراج المعادن، والتحصن، وبناء الطرق، والتلوث، وأضرار المياه والحريق)، بما في ذلك الآثار المحتملة لتغير المناخ.

تم تحديد إجراءات أولوية لمعالجة التهديدات التي تواجه الطيور المهاجرة. وتم التأكيد على سياق التنمية الذي سَتعالج فيه هذه الأولويات، ولا سيما الحاجة الملحة لاتخاذ إجراءات للتخفيف من آثار تغير المناخ والتكيف معها.

التوصيات:

أ. إطار عمل تعاوني لمسار هجرة الطيور لوسط آسيا: تطوير مبادرة تعمل على تعزيز التأزر بين الأطارات الدولية (الرسمية وغير الرسمية) وأصحاب العلاقة الرئيسيين (بما في ذلك الحكومات والمنظمات غير الحكومية الدولية والخبراء).

ب. إدارة الأنواع: ضمان واستعادة مجموعات الطيور وموائلها، بما في ذلك تنفيذ خطط العمل الحالية للأنواع المهددة عالميًا. وإدراج ثمانية أنواع مهددة عالميًا ونوع واحد قريب من التهديد في مسار هجرة الطيور لوسط آسيا ضمن ملاحق اتفاقية الأنواع المهاجرة.

ج. الحد من الوفيات المباشرة: تنظيم الصيد القانوني للطيور البرية، التصدي للصيد غير القانوني ومنعه، منع التسمم والاصطدام والصق بخطوط الكهرباء وتفتيش الأمراض.

د. إدارة المواقع والشبكات المهمة: تحديد وإدارة المواقع وإنشاء شبكات ذات أهمية للطيور المهاجرة، والاستفادة من الأطارات الدولية والمبادرات والمناطق المحمية الوطنية القائمة.

هـ. إدارة النسق البيئي/المناظر الطبيعية: معالجة التغيرات في استخدام الأراضي المتعلقة بالزراعة ومنتجات الغابات واستخدام المياه وإنتاج الطاقة، إعادة التشجير والحد من التصحر وانبعاثات الكربون من إزالة الغابات وتدهورها، الحد من الصراع بين الإنسان والحيوانات البرية.

و. البحث والمراقبة: فهم أنماط الهجرة والاتصال داخل مسار الهجرة، التغيرات في المجموعات، ورصد اتجاهاتها. استحضار منظور العلوم الاجتماعية حول الدوافع البشرية والعوامل المحركة المرتبطة بالتهديدات الرئيسية، وكيفية التصدي لها، وبناء القدرات المحلية، وتحسين تبادل المعلومات والتعاون والتنسيق بين الباحثين.

ز. التعليم والتوعية: زيادة الوعي العام وفهم لأنواع الطيور المهاجرة .

ح. دمج إجراءات تغير المناخ والأنواع المهاجرة: موائمة جهود حماية الطيور المهاجرة وموائلها مع إجراءات التخفيف من آثار تغير المناخ والتكيف معه. والتي تعد فرصة رائعة لحشد الموارد وتبسيط الضوء على أهمية المراعي والمياه العذبة والأنظمة الساحلية والممارسات الزراعية التقليدية واستخدام الأراضي.

ط. التمويل: زيادة تمويل جهود الحفظ في مسار الهجرة من خلال تحديد خيارات تمويلية مبتكرة، بما في ذلك القطاع الخاص، لتمكين تنفيذ برامج مستدامة اللازمة للبحث المتعلق بالأنواع والموائل وإدارتها واستعادتها مع الأخذ بعين الاعتبار سبل العيش المحلية ومسيبات التغير المناخي الطارئة..

ي. تعزيز القدرات: بناء وتعزيز القدرات المحلية والوطنية لتنفيذ المدخلات التي ستحقق التأثير المطلوب والمتكامل وعلى نطاق واسع.

إن تنفيذ هذه التوصيات سيسهم في عكس الانخفاض لأنواع الطيور المهاجرة في مسار هجرة الطيور لوسط آسيا وتحسين إدارة الموائل المهمة واستعادتها. كما سيوفر إطارًا أساسيًا يمكن من خلاله بناء السياسات والأنشطة المتعلقة بالأنواع المهاجرة وتغير المناخ مع إدراج أهمية المجتمعات المحلية.

## 执行摘要

中亚迁飞区（CAF）横跨欧亚大陆中部的30个国家，与非洲-欧亚迁飞区及东亚-澳大利西亚迁飞区重叠。该区是84科605种候鸟的栖息地，其中包括水鸟、猛禽、其他陆地鸟类和海鸟。根据国际自然保护联盟（IUCN）2022年发布的《濒危物种红色名录》，这些候鸟当中至少40%全球数量正在下降，有48种候鸟更是被列为受威胁物种。

在每年的迁徙周期中，中亚迁飞区的候鸟需要各式各样的栖息地：包括北极苔原、热带草原、沙漠、大海、原始森林甚至人口密集的城市等。全球六分之一以上的人口生活在这一区域，其中包括许多发展中国家和一些全球增长最快的经济体，对这些族群来说，候鸟具有丰富的文化和精神价值。

尽管位于中亚迁飞区的国家已经针对候鸟研究建立了长期的合作关系，但是我们对其中的大部分物种仍然非常缺乏了解。了解它们的生态、迁徙方式、数量多少与变化趋势以及其所面临的各种威胁乃是制定有效保护策略的关键。生态保护的成败也与该迁飞区的主要发展挑战有着密切关系。涉及气候变化的问题尤其可能带来跨国的大规模挑战。由于气候条件持续恶化，人类和鸟类都赖以生存的干旱地区、湿地和其他栖息地将面临日益加剧的压力。基础设施的开发更可能进一步增大自然生态环境所承受的压力。若能采用对自然环境无害的能源开发方针以及基于自然的解决方案，人类和鸟类则都可以受益。通过进一步理解和管理相关风险，各国可以在最大程度上减少对生物多样性的影响，同时避免基础设施建设因此受到延误。

候鸟在联系迁飞区内的各个国家扮演着重要角色。它们不但促进了各国之间的合作，也为其提供了一个平台，让各国与其他迁飞区内的国家互动并彼此借鉴。大多数中亚迁飞区中的国家已签署了各项多边环境协定，包括《生物多样性公约》、《湿地公约》和《联合国气候变化框架公约》。《迁徙物种公约》（CMS）的缔约国数量则较少。中亚迁飞区处于《迁徙物种公约》框架内四个主要协议所覆盖的地理范围之内，这些以不同鸟类族群为重点的协议包括《非洲欧亚迁徙水鸟协定》（涵盖区内约一半国家）、《迁徙物种公约》中亚迁飞区迁徙水鸟及其栖息地保护行动计划（涵盖区内所有国家）、《迁徙物种公约》非洲欧亚迁徙猛禽保护行动计划（涵盖区内除一个国家以外的所有国家）、以及非洲-欧亚地区迁徙陆地鸟类行动计划（AEMLAP）（涵盖区内除四个国家以外的所有国家）。此外，以迁徙水鸟为重点的东亚-澳大利西亚迁飞区伙伴关系覆盖了中亚迁飞区东部五个国家。虽然《迁徙物种公约》和其他框架包含了多个涵盖特定鸟类族群的协议，但目前尚未落实一份保护所有中亚迁飞区候鸟的协议。为了填补这个空缺，于2020年<sup>1</sup>的第13届联合国气候变化大会上，《迁徙物种公约》成员国会议通过了《迁飞区决议12.11（Rev.COP13）》和相应的《条约13.46》，承诺在《迁徙物种公约》框架内起草一份制度性文书，“以帮助实施针对中亚迁飞区候鸟及其栖息地的更大规模保护行动，并与针对鸟类的现有协议进行协调，投入资源以支持该倡议”。

国际鸟盟（BirdLife International）与《迁徙物种公约》秘书处共同编写了这份情况分析报告，旨在为中亚迁飞区利益相关者提供关键信息，以使所有旨在保护全区候鸟及其栖息地的行动更加一致。

在参照有关文献与专家访谈的前提下，这份报告总结了中亚迁飞区受保护程度以及现有及新出现的各种威胁与机遇，为提高各界对中亚迁飞区候鸟的重视奠定了基础。

此报告评论了以下课题：

- 中亚迁飞区的生态和其重要性，包括对不同候鸟品种的保护状态、关键栖息环境、地点和知识缺口的回顾；
- 迁飞区中对陆地鸟类、猛禽和水鸟迁徙尤其关键的地点网络
- 主要的直接和间接威胁及其驱动因素
- 各国参与研究和保护工作的能力
- 旨在保护候鸟及其关键栖息环境、地点的现有行动

1 <https://www.cms.int/en/document/flyways-4>

我们整合了涵盖1717个对中亚迁飞区的候鸟具重要性且具有国际意义的地点清单。这些候鸟面对的最直接威胁来自对成鸟、幼鸟和蛋的合法与非法捕猎，人造建筑造成的碰撞与触电，人类对其繁殖、觅食和栖息地的干扰，人工光污染，疾病，外来入侵物种，毒药，塑料污染以及其食物供应所遭受的各种冲击。

此外，候鸟还面临栖息地丧失与退化所致的间接威胁，例如森林砍伐、农药、湿地丧失、不可持续的土地利用、矿产勘探及开采、城市化、道路建设、污染以及水和火灾损害，其中也包括气候变化的潜在影响。

我们已确定了应对候鸟所受威胁的若干优先措施。报告特别强调落实这些措施时，务必顾及发展实况，特别是减缓和适应气候变化的迫切性。

建议：

- A. 中亚迁飞区合作框架：制定一个倡议以在不同正式和非正式的国际框架和主要利益相关者（包括政府、国际非政府组织和科学家）之间取得最佳的协同效果。
- B. 物种管理：保护并修复族群及其栖息地，包括实施现有的全球受威胁物种行动计划。将中亚迁飞区的八种全球受威胁物种和一种近危物种列入《迁徙物种公约》附录。
- C. 减少直接死亡率：规范野生个体的合法捕获，解决和防止非法捕获问题，以及防止中毒、碰撞和疾病爆发。
- D. 重要地点与网络管理：在现有国际框架、倡议和国家保护区的基础上继续识别并管理对候鸟具有重要意义的重要地点，并建立地点网络。
- E. 地景管理：解决与农业、林产品、水源利用和能源生产相关的土地利用变化问题；重新植被以及减少沙漠化和森林砍伐与环境退化所导致的碳排放；以及减少人类与野生动物之间的冲突。
- F. 研究与监测：了解迁飞区中的迁飞模式和迁徙连接情况、族群变化的因素并监测其变化趋势。引入社会科学观点来研究并应对主要威胁背后的人类动机和驱动因素，培养当地能力并改善研究人员之间的信息交流、合作和协调。
- G. 教育和信息推广：提高公众对候鸟品种的认识和了解。
- H. 整合针对气候和迁徙品种的各项行动：将候鸟及其栖息地的保护行动与减缓和适应气候变化措施相结合。这一良机可让我们调动资源来凸显草原、淡水和沿海生态系统以及传统农业和土地利用方式的重要性。
- I. 融资：将用于保护迁飞区的资金增加一个数量级。识别包括来自私营企业的创新性融资方案，以便实施与特定物种和栖息地相关的研究以及栖息地管理和修复所需的长期计划，并兼顾当地生计和气候紧急情况。
- J. 加强能力：建设并加强地方和国家实施干预措施的能力，以产生必要的大规模综合影响。

实施这些建议将有助于扭转中亚迁飞区候鸟品种族群减少的趋势，并改善重要栖息地的管理和修复。这也将提供一个基础框架，让我们更进一步制定有关候鸟和气候变化的政策和行动，同时兼顾当地社区的福祉。

## Краткое содержание

Центрально-Азиатский пролетный путь (ЦАПП) простирается через центральную часть Евразийского континента. Он охватывает 30 стран и пересекается с Африканско-Евразийским и Восточно-Азиатско-Австралийским пролетными путями. Здесь обитают 605 видов перелетных птиц из 84 семейств; среди них водные, хищные и другие наземные, а также морские птицы. Согласно Красному списку угрожаемых видов МСОП (2022), по меньшей мере 40% этих видов имеют сокращающиеся глобальные популяции, а 48 видов находятся под угрозой глобального исчезновения.

В течение своего годового цикла перелетные птицы, обитающие на территории ЦАПП, используют самые разные места обитания: от арктической тундры до тропических лугов, от пустынь до открытого океана, от нетронутых лесов до густых городских районов. В этом регионе проживает более одной шестой части населения Земли, включая многие развивающиеся страны и некоторые из наиболее быстро растущих экономик, для которых перелетные птицы представляют собой богатую культурную и духовную ценность.

Несмотря на то, что страны, входящие в ЦАПП, давно сотрудничают в изучении перелетных птиц, в знаниях о большинстве видов остаются большие пробелы. Понимание их экологии, стратегий миграции, численности и тенденций изменения популяций, а также угроз является ключом к разработке эффективных стратегий сохранения.

Охрана природы также связана с основными проблемами развития региона. Особенно масштабные и трансграничные проблемы могут возникнуть в связи с изменением климата. Ухудшение климатических условий приведет к усилению нагрузки на засушливые ландшафты, водно-болотные угодья и другие места обитания, от которых зависят люди и птицы, а развитие инфраструктуры может оказать дополнительное давление на окружающую среду. Однако использование экологически безопасных энергетических разработок и решений, основанных на использовании природных ресурсов, может принести пользу и людям, и птицам. Понимая и управляя такими рисками, страны могут минимизировать воздействие на биоразнообразие и предотвратить связанные с этим задержки в строительстве инфраструктурных объектов.

Мигрирующие птицы служат для стран, входящих в пролетный путь, связующим звеном для совместной работы и представляют собой площадку, на которой страны могут взаимодействовать с другими участниками пролетного пути и учиться у них. Большинство стран ЦАПП подписали многосторонние природоохранные соглашения, такие как Конвенция о биологическом разнообразии, Рамсарская конвенция о водно-болотных угодьях и Рамочная конвенция ООН об изменении климата. Меньшее количество стран является участниками Конвенции о мигрирующих видах (КМВ). ЦАПП находится в географических границах четырех основных инструментов КМВ, которые охватывают различные группы птиц. К ним относятся Соглашение по охране афро-евразийских мигрирующих водоплавающих птиц (охватывает около половины стран), План действий КМВ по сохранению мигрирующих водоплавающих птиц и среды их обитания (охватывает все страны), Меморандум о взаимопонимании по сохранению мигрирующих хищных птиц в Африке и Евразии (МОВ по хищным птицам) (охватывает все страны, кроме одной) и Афро-евразийский план действий по мигрирующим наземным птицам (АЕМЛАР). КМВ и другие структуры предоставляют инструменты, которые охватывают определенные группы птиц, однако в настоящее время не существует инструмента, защищающего всех мигрирующих птиц ЦАПП. Чтобы решить эту проблему, на КС13 в 2020<sup>1</sup> году КМВ приняла Резолюцию 12.11 ( Обзор КС13) и соответствующее Решение 13.46, обязуясь разработать “институциональный инструмент в рамках КМВ для поддержки реализации усиленных природоохранных мероприятий для мигрирующих птиц и их местообитаний в ЦАПП, а также поддержать эту инициативу ресурсами, в координации с существующими инструментами КМВ, связанными с птицами”.

1 <https://www.cms.int/en/document/flyways-4>

BirdLife International совместно с Секретариатом КМВ подготовила данный ситуационный анализ, чтобы предоставить заинтересованным сторонам ЦАПП основную информацию для согласования действий на уровне пролетных путей по сохранению перелетных птиц и их местообитаний.

В отчете обобщен природоохранный статус, существующие и возникающие угрозы и возможности, выявленные в результате изучения литературы и консультаций с экспертами, и он служит ориентиром для повышения значимости перелетных птиц ЦАПП.

В докладе рассматриваются следующие темы:

- Экология и значимость Центрально-Азиатского пролетного пути, включая обзор природоохранного статуса мигрирующих видов, ключевых местообитаний и участков, а также пробелов в знаниях.
- Сети важных мест на пролетном пути для наземных, хищных и водных птиц.
- Основные прямые и косвенные угрозы и их движущие силы.
- Потенциал стран для участия в исследованиях и природоохранных мероприятиях.
- Существующие меры по сохранению перелетных птиц и их ключевых местообитаний и участков.

Мы составили список из 1 717 мест, имеющих международное значение для перелетных птиц ЦАПП. Среди прямых угроз выявлены: легальный и нелегальный отлов и охота на взрослых и молодых особей, незаконное изъятие яиц; поражение электрическим током на линиях электропередач; фактор беспокойства со стороны человека (в местах размножения, кормления и ночлега); искусственное световое загрязнение; болезни; инвазивные виды; отравления; пластиковое загрязнение; а также воздействие на доступность пищи.

Кроме того, птицы страдают от косвенных угроз, связанных с потерей и деградацией среды обитания (вырубка лесов, агрохимикаты, потеря водно-болотных угодий, нерациональное землепользование, разведка и добыча полезных ископаемых, урбанизация, строительство дорог, загрязнение окружающей среды, загрязнение водных источников и пожары), включая потенциальное воздействие изменения климата.

Были определены приоритетные меры по устранению угроз для мигрирующих птиц. Особое внимание было уделено контексту развития, в котором будут решаться эти приоритетные задачи, в частности, необходимости принятия срочных мер по смягчению последствий изменения климата и адаптации к ним.

#### **Рекомендации:**

- A. Рамки сотрудничества ЦАПП: разработка инициативы по оптимизации синергии между международными структурами (официальными и неофициальными) и ключевыми заинтересованными сторонами (включая правительства, международные НПО и ученых).
- B. Управление видами: сохранение и восстановление популяций и их местообитаний, включая реализацию существующих планов действий для видов, находящихся под глобальной угрозой. Внесение восьми видов ЦАПП, находящихся под глобальной угрозой, и одного вида, находящегося в состоянии, близком к угрозе, в список Приложений КМВ.
- C. Снижение прямой смертности: эффективное регулирование законного отлова диких особей, борьба с незаконным отловом и его предотвращение, а также предотвращение отравлений, вспышек заболеваний и др.
- D. Управление важными местообитаниями: выявление и управление участками местообитаний и создание сетей, имеющих важное значение для перелетных птиц, на основе существующих международных рамок, инициатив и национальных охраняемых территорий.

- E. Управление ландшафтами: предотвращение негативных изменений в землепользовании, связанных с сельским хозяйством, производством лесной продукции, водопользованием и производством энергии; восстановление растительности, сокращение опустынивания и выбросов углерода в результате обезлесения и деградации; сокращение конфликтов между человеком и дикой природой.
- F. Исследования и мониторинг: понимание закономерностей миграции и связи в пределах пролетного пути, причин изменения популяции и мониторинг тенденций численности. Понимание связи между угрозами и социальными процессами, создание местного потенциала и улучшение обмена информацией, сотрудничества и координации между исследователями.
- G. Образование и информация: повышение осведомленности и понимания среди широкой общественности о мигрирующих птицах.
- H. Интеграция действий по защите климата и мигрирующих видов: согласование мер по сохранению мигрирующих птиц и их местообитаний в соответствии с мерами по смягчению последствий изменения климата и адаптации к ним. Это прекрасная возможность мобилизовать ресурсы и подчеркнуть важность луговых, пресноводных и прибрежных экосистем, а также традиционных методов ведения сельского хозяйства и землепользования.
- I. Финансирование: увеличить финансирование природоохранных мероприятий на пролетном пути. Выявить инновационные варианты финансирования - в том числе за счет частного сектора - которые позволят реализовать долгосрочные программы, необходимые для исследований видов и местообитаний, управления местообитаниями и их восстановления, а также для решения проблем, связанных с местными средствами к существованию и чрезвычайными климатическими ситуациями.
- J. Укрепление потенциала: создание и укрепление местного и национального потенциала для осуществления мероприятий, которые обеспечат необходимое комплексное и широкомасштабное воздействие.

Выполнение рекомендаций поможет обратить вспять процесс сокращения численности мигрирующих видов птиц, обитающих на территории ЦАПП, и улучшить управление и восстановление важных местообитаний. Это также создаст основу, на которой можно будет строить политику и действия в отношении мигрирующих видов и изменения климата, включая благополучие местных сообществ.





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Researchers carrying out bird counts in Mannar, Sri Lanka. (Photo: Gayomini Panagoda)





## Foreword by BirdLife International

The Central Asian Flyway, one of the world's nine great flyways used by migratory birds to travel between their breeding and non-breeding grounds, is still the most neglected in terms of knowledge and conservation action.

Migratory birds are important sentinels of the health of our environment. As they travel, they rely on sites and landscapes often thousands of kilometres apart to rest and refuel for the next leg of their extraordinary journeys. Declines in migratory bird populations signal environmental degradation of the same sites and landscapes that are so important for millions of people for food, clean water and other environmental services, particularly for climate change mitigation and adaptation.

Migratory birds connect countries and continents. Efforts to conserve birds in one country can be undermined by damaging developments in others, such as deterioration of habitats or direct threats such as overexploitation and poorly-sited energy infrastructure. Therefore, the conservation of migratory birds requires a collaborative effort of all countries along their flyways.

For this reason, BirdLife greatly welcomes the initiative of the Government of India and the Convention on Migratory Species (CMS) to set up a process to catalyse concerted, cooperative, coordinated action for the migratory birds of the Central Asian Flyway and their habitats.

BirdLife has produced this situation analysis to provide a factual baseline for this process. This document is intended to inform the prioritisation of conservation action, highlighting important information gaps that need to be filled. It represents a compilation of information collected through consultation with experts from governments, academia and civil society from 27 countries of the Central Asian Flyway, as well as analysis of data curated by BirdLife International, including in its role as IUCN Red List authority for birds.

The BirdLife Partnership stands ready to support CMS and the Central Asian Flyway Range State governments to develop and implement a robust plan of action for the flyway. The results of the situation analysis indicate that such action is urgently needed.

Migratory birds are an inspiration to people along the Central Asian Flyway. Securing their future will help ensure a healthy, sustainably managed environment rich in ecosystem services for future generations.

Martin Harper  
*Chief Executive Officer*  
*BirdLife International*



## Glossary of Definitions and Acronyms

### Definitions

#### *Explanatory notes:*

1. The Situation Analysis uses specific terms related to migratory species and habitat conservation, for which definitions and explanatory notes are useful.
2. The definitions are drawn from existing documentation from within the CMS family, having been developed for one or more migratory bird groups. Considering the lack of a comprehensive and standardised set of CMS definitions, some of these definitions and guidance have been adapted from other international processes.
3. It is noted that a number of these terms have also been defined at a national level. As these may vary within and between national jurisdictions, their application at the global/international level needs to be agreed upon.
4. There remains a need for these terms to be defined and standardised for CMS purposes.
5. The following definitions and explanatory notes are provided to explain various terms related to migratory species and habitat conservation used here, and are not aimed at being definitive.

**Biodiversity Offsets** - measurable conservation outcomes of actions designed to compensate for significant residual adverse biodiversity impacts arising from project development after appropriate prevention and mitigation measures have been taken (definition as per Business and Biodiversity Offsets Programme<sup>2</sup>).

**Critical habitat** - Any area of the planet with high biodiversity conservation significance based on the existence of habitat of significant importance to critically endangered or endangered species, restricted range or endemic species, globally significant concentrations of migratory or congregatory species, highly threatened or unique ecosystems and key evolutionary processes (definition as per International Finance Corporation<sup>3</sup>).

**Critical site** - Criteria have been developed for the AEWA region from the relevant Ramsar and IBA criteria to address the identification of networks of Critical Sites for waterbird populations during those stages of their annual cycles when the site-based conservation approach is effective. A site has been identified as 'critical' if it fulfils at least one of the two CSN criteria: CSN criterion 1: The site is known or thought regularly or predictably to hold significant numbers of a population of a globally threatened waterbird species. CSN criterion 2: The site is known or thought regularly or predictably to hold >1% of a flyway or other distinct population of a waterbird species (definition as per AEWA Wings over Wetlands project). Note: the critical site definition developed for migratory waterbirds must be expanded to cover other migratory birds.

<sup>2</sup> <http://bbop.forest-trends.org/>

<sup>3</sup> International Finance Corporation (2012) Performance Standard 6 Biodiversity Conservation and Sustainable Management of Living Natural Resources: [http://www.ifc.org/wps/wcm/connect/bff0a28049a790d6b835faa8c6a8312a/PS6\\_English\\_2012.pdf?MOD=AJPERES](http://www.ifc.org/wps/wcm/connect/bff0a28049a790d6b835faa8c6a8312a/PS6_English_2012.pdf?MOD=AJPERES)

**Flyway** - A flyway is taken to be a geographical region within which a single migratory species, a group of migratory species, or a distinct population of a given migratory species completes all components of its annual cycle (breeding, moulting, staging, non-breeding “wintering” etc.) (Boere & Stroud 2006).

Each species and population migrates differently and uses a different suite of breeding, migration staging and non-breeding (wintering) sites. Hence, a single flyway comprises many overlapping migration systems of individual bird populations and species, each with different habitat preferences and migration strategies. From knowledge of these various migration systems, it is possible to group the migration routes used by birds into broad flyways, each of which is used by many species, often in a similar way, during their annual migrations. Recent research into the migrations of many wader or shorebird species, for example, indicates that the migrations of waders can broadly be grouped into eight flyways: The East Atlantic Flyway, the Mediterranean/Black Sea Flyway, the West Asia/Africa Flyway, the Central Asian Flyway, the East Asia/Australasia Flyway, and three flyways in the Americas and the Neotropics.

There are no clear separations between flyways, and the use of the term is not intended to imply major biological significance; rather, it is a valuable concept for permitting the biology and conservation of birds, as well as other migratory species, to be considered in broad geographical units into which the migrations of species and populations can be more or less readily grouped (definition adapted from Ramsar Resolution XI.8. Annex 2).

**Habitat** - any area in the range of a migratory species with suitable living conditions for that species (definition as per CMS).

**Internationally important site** – A site should be considered internationally important if it regularly supports 1% of the individuals in a population of one species or subspecies of waterbird or if it regularly supports 20,000 or more waterbirds (definition as per the Ramsar Convention). This Criterion identifies those wetlands of numerical importance for waterbirds that support internationally relevant numbers of one or more species and often the total numbers of the waterbird species assemblage. Note: the definition has been developed for waterbirds, and there is a need for it to be expanded to cover and quantified to cover other migratory birds.

**Landscape** - An area of land that contains a mosaic of ecosystems, including human-dominated ecosystems (Hassan *et al.* 2005).

**Migratory species** - a bird species or lower taxon (subspecies or population) is considered migratory if a significant proportion of its members cyclically and predictably cross one or more national jurisdictional boundaries (definition as per CMS).

**Net Positive Impact (NPI)** - a target for project outcomes in which the impacts on biodiversity caused by the project are outweighed by the actions taken, following the Mitigation Hierarchy, to achieve net gains for biodiversity (Definition as per NPI Alliance, which was a cross-sectoral collaborative initiative with Rio Tinto plc, Shell Global Solutions International B.V., The Nature Conservancy and IUCN, with advisory support from the International Finance Corporation)<sup>4</sup>.

A net gain to biodiversity features measured in quality hectares (for habitats), number or percentage of individuals (for species), or other metrics appropriate to the feature<sup>5</sup>.

4 <https://www.iucn.org/content/making-case-a-net-positive-impact-biodiversity>

5 <http://www.biodiversitya-z.org/content/net-positive-impact-npi>

**Other effective area-based conservation measures (OECM)** is officially defined by the Convention on Biological Diversity as “a geographically defined area other than a Protected Area, which is governed and managed in ways that achieve positive and sustained long term outcomes for the in situ conservation of biodiversity with associated ecosystem functions and services and where applicable, cultural, spiritual, socio economic, and other locally relevant values”.

**Priority species** – migratory bird species included under CMS Appendix I.

**Protected area** - is a clearly defined geographical space, recognised, dedicated and managed, through legal or other effective means, to achieve the long-term conservation of nature with associated ecosystem services and cultural values (IUCN definition 2008).

**Site** – A geographical area on land or in water with defined ecological, physical, administrative, or management boundaries that is actually or potentially manageable as a single unit (e.g. a protected area or other managed conservation unit). For this reason, large-scale conservation priority regions such as Ecoregions, Endemic Bird Areas, and Biodiversity Hotspots, which often span multiple countries, are not considered sites. In the context of Key Biodiversity Areas (KBA), “site” and “area” are used interchangeably.

**Site Network/Ecological Network** – A collection of individual sustainably managed sites operating cooperatively and synergistically, both ecologically and administratively, to achieve ecological and governance benefits for migratory birds that single protected sites cannot achieve in isolation (Modified from the CMS IOSEA guidance document; see also CMS/ScC18/Doc.10.3.1 for further information).

Upper Palani Hills, an important migratory land bird site prioritised in India’s National Action Plan for conservation of migratory birds along the Central Asian Flyway. (Photo: Ramesh Kumar Selvaraj)



# 1. Introduction



Indian Skimmer  
(photo: Sriram Reddy)





## 1. Introduction

The annual migrations of birds across international borders are among the most spectacular marvels of the natural world. Many birds follow regular routes, known as flyways<sup>6</sup>, to travel between their breeding and non-breeding grounds. The Central Asian Flyway (CAF) is one of the four major global terrestrial flyway systems.

The CAF covers a large continental area of Eurasia between the Arctic and Indian Oceans and the associated island chains. The Flyway comprises several important migration routes of birds, most of which extend from the northernmost breeding grounds in the Russian Federation (Siberia) to the southernmost non-breeding (wintering) grounds in West and South Asia, the Maldives and the British Indian Ocean Territory (BIOT). On their annual migrations, the birds cross several countries' borders<sup>7</sup>.

Geographically, the CAF region covers 30 countries of North, Central and South Asia and Trans-Caucasus<sup>8</sup> (Fig 1); see Annexe 1 for a full list. This boundary has been defined for the CMS CAF Waterbird Action Plan (2006) and has been applied for this report, with the taxonomic scope of the flyway broadened to cover all taxa of migratory birds (waterbirds, raptors and other landbirds and seabirds). A slight modification is the exclusion of the Andaman and Nicobar Islands of India from within the CAF boundary, which, due to their proximity to mainland Southeast Asia, are more closely aligned with East Asian–Australasian Flyway populations. The CAF is regularly used by over 605 species of migratory birds of 84 families (see Section 3 for details).

The CAF is, in many ways, the least known of all global flyways. Many aspects of bird migration in the CAF are still poorly understood, and conservation of migratory birds is generally low on the agendas of governments and most NGOs. Overexploitation of natural resources and related development pressures are increasingly rendering the survival of migratory birds at risk, with habitat loss, degradation and pollution, illegal hunting and trade, poisoning, electrocution, and collisions with energy infrastructure. Global assessments highlight the loss of habitats and growing impacts of climate change on the economies and biodiversity of the region. The CAF is home to nearly three billion people, with China and India being home to the largest and, in parts, most dense human populations.

While most of the countries of the CAF region are signatories to global multilateral environmental agreements (MEAs) as well as international agreements and cooperative frameworks that include the conservation of migratory species and their habitats, approximately 8% of all migratory bird species in the CAF are assessed as Globally Threatened and 6% as Near Threatened under the IUCN Red List of Threatened Species (BirdLife International, 2022). The number of species with a globally decreasing population is nearly four times those with increasing populations, with an equal number of species for

6 A “flyway” is the total area used by (groups of) populations or species of birds, throughout their annual cycle, including the breeding areas, migration stop-over and non-breeding (wintering) sites. Many of these sites tend to be highly productive and are thus also of importance to non-migratory birds and other biodiversity. In the staging and non-breeding areas of the flyway, the high productivity also enable local people to benefit food, shelter and water (Boere & Stroud 2006).

7 The term “Migratory bird” species means the entire population or any geographically separate part of the population of any bird species, a significant proportion of whose members cyclically and predictably cross one or more national jurisdictional boundaries (definition as per CMS).

8 The term “range state” is used to denote where a country is within the geographic coverage of a convention or agreement.

which there is no reliable or recent trend information. While collating further information on the current situation of migratory birds, there is an urgency to identify major direct and indirect threats to the species and their habitats, take no-regret measures and find solutions to reverse declining trends.

The region is also home to a wide range of cooperative initiatives for the conservation of single species and groups of species and the involvement of researchers, non-governmental organisations, conservationists and local communities in research, monitoring and conservation actions.



**Fig 1.** The CAF boundary for the CAF Situation Analysis report. The boundary is adapted from the CMS CAF Waterbird Action Plan (2006). The political boundaries on the map do not imply official endorsement or acceptance by BirdLife International or CMS

While the CMS has undertaken a global *Review of Migratory Bird Flyways and Priorities for Management* (2014) of the state of knowledge about the different migratory birds and their needs, a flyway-scale review of all CAF's bird taxa to improve conservation action for these species and their habitats is overdue.

BirdLife International has undertaken a Situation Analysis review for the CAF to support efforts by CMS Parties and non-Party Range States to conserve its migratory birds. This review was conducted in consultation with the CMS Secretariat. It will inform the development of "an institutional instrument under CMS to support the implementation of increased conservation action for migratory birds and their habitats in the CAF, as well as to support this initiative with resources, in coordination with the

existing CMS avian-related instruments” as called for by the Flyways Resolution adopted at the CMS COP13 in 2020<sup>9</sup>.

This first CAF Situation Analysis summarises key information relevant to the conservation of migratory birds in the CAF at the flyway level, especially in the context of existing international and national commitments of countries under the Convention on Migratory Species (CMS), Ramsar Convention on Wetlands, and Convention on Biological Diversity (CBD) including the newly agreed Kunming-Montreal Global Biodiversity Framework in December 2022<sup>10</sup>. In addition, it includes commitments to major agreements and frameworks – and related species conservation plans – and engagements by local stakeholders that provide a basis for international cooperation and conservation action.

The Situation Analysis provides an important benchmark to raise the profile of the CAF’s migratory birds and their conservation challenges and opportunities. It also aims to provide crucial information for governments and other key stakeholders at the national and international levels to prioritise and align flyway-scale actions for the conservation of its migratory birds and their habitats.

9 <https://www.cms.int/en/document/flyways-4>

10 <https://www.cbd.int/article/cop15-final-text-kunming-montreal-gbf-221222>

Colour-marking of the Endangered Indian Skimmer has provided new insights to their migratory movements in South Asia (photo: Srikant Manneपुरi)



## 2. Methodology





## 2. Methodology

BirdLife International has produced the Situation Analysis report in consultation with the CMS Secretariat (see Annexe 2 for the Project Plan).

The project was led by an international consultant (Dr. Taej Mundkur, Good Earth Environmental) working closely with a team hired by BirdLife International (Dr. Anand Chaudhary and Ms. Megha Rao), Ms. Azhar Ananzeh and Ms. Muna Al Taq of the Middle East Secretariat office, and staff from BirdLife partner offices Dr. Alyona Koshkina of ACBK (BirdLife in Kazakhstan), Dr. Ramesh Kumar, Dr. Sivakumar Swaminathan, Dr. S. Sathiyaselvam and Ms. Neha Sinha of the Bombay Natural History Society, BNHS (BirdLife in India). The section on climate change was prepared by Dr. Rhiannon Niven at BirdLife International. National sections for China and Mongolia, respectively, were collated by Dr. Yifei Jia of the Beijing Forestry University and Jugdernamjil Nergui, Munkhjargal Myagmar, Ms. Ochirkhand Erdenedayar and Dr. Nyambayar Batbayar of the Wildlife Science and Conservation Center (WSCC), Mongolia. Maps, graphics and analysis of BirdLife's species and sites-related data were produced by Tom Scott and Mike Evans.

The project was undertaken from May 2022 to February 2023 to prepare a draft report for consultation. Information was collected and collated from four main sources:

- a. **National consultation** was undertaken with multilateral environmental agreement (MEA) focal points through initial contact by the CMS Secretariat and followed up by the project team. In parallel, direct contact was made with research institutions, universities and NGO stakeholders in most countries between July and November 2022.

Consultation was initiated using a standard online national questionnaire, translated into Arabic, Chinese, Mongolian and Russian to facilitate feedback. The questionnaire sought information on three main areas:

1. Management of Migratory Birds and their Habitats
  - Overview of migratory bird species and conservation planning
  - Legislation and policies for protection of migratory species
  - Cultural values of migratory birds
  - Financial resources for the protection of migratory species
  - Current and future threats and pressures affecting migratory birds and their habitats
  - Climate change and migratory birds
  - Current knowledge on migratory birds
  - Migratory bird research and monitoring activities
  - Migratory bird and habitat data management, analysis and use
  - Capacity for research and conservation action
  - Management of important sites/habitats for migratory birds
  - Integration across sectors
2. Awareness Raising and Communication
  - Awareness levels
  - Awareness-raising programmes and their impact
  - Priority actions for awareness Raising

3. International Cooperation for Migratory Bird and Habitat Conservation
  - Cooperation based on international frameworks
  - Priorities for international cooperation

Most countries (except Azerbaijan, Iran, Iraq, and Qatar) responded to the questionnaire. Of the war-impacted countries, we received official responses from Yemen but not from Afghanistan and Russia.

Government focal points, institutions, universities, NGOs and independent experts provided information.

- b. **International databases**, including the BirdLife International species (IUCN Red List) and Important Bird and Biodiversity Areas databases (reflected in the BirdLife Data Zone <http://datazone.birdlife.org>), IUCN Red List and International Waterbird Census Portal, Critical Site Network Tool and Waterbird Populations Portal managed by Wetlands International were used to extract core information on species, habitat use, threats and internationally-important sites.
- c. **Identification of relevant resolutions, strategic plans, action plans, work programmes, and species conservation action plans** from international conventions, agreements and frameworks.
- d. **Rapid literature survey** to collect essential information on research and conservation action for migratory birds and their habitats.

A consultation draft of the Situation Analysis report was disseminated to CMS Focal Points in all CAF range states, BirdLife partners, secretariats of CMS flyway instruments and selected stakeholders for their review by the CMS Secretariat and the project team in February 2023. The report was included as one of the main meeting documents<sup>11</sup> at the *Range States Meeting on the Institutional Framework and next steps for the Central Asian Flyway*<sup>12</sup> that was organised by the CMS Secretariat and hosted by the Government of India in New Delhi between 2 and 4 May 2023.

The report has been finalised based on valuable discussion and feedback following a presentation at this meeting and additional feedback received up to 1 July, 2023, from Armenia, Kyrgyzstan, Tajikistan and Uzbekistan.

11 UNEP/CMS/CAF4/Doc.3.4 <https://www.cms.int/en/document/conservation-and-management-situation-analysis-central-asian-flyway-caf>

12 <https://www.cms.int/en/meeting/meeting-range-states-central-asian-flyway>

### 3. Migratory Birds and Their Habitats



The Near Threatened Bar-tailed Godwit, a long distance migrant.  
(photo: Arnold Meijer / Agami)



### 3. Migratory Birds and Their Habitats

#### a. Overview of CAF's migratory birds

As defined by CMS, a bird species or lower taxon (subspecies or population) is considered migratory if a significant proportion of its members cyclically and predictably cross one or more national jurisdictional boundaries. This also includes altitudinal migrants (species that seasonally move up and down mountains) if they cross one or more jurisdictional boundaries. The CMS definition is also applied to this report. Under this definition, the term “migratory” does not recognise populations of a species that may undertake seasonal or annual movements within national boundaries – the management of these species is the sole responsibility of the country.

The CAF connects the breeding grounds as far north as the Siberian Arctic, including the countries of Central Asia, to non-breeding grounds in the tropics in the Indian Subcontinent, the Maldives, the British Indian Ocean Territories (BIOT) and the Arabian Peninsula. It also includes at least one species which breeds in the south but moves north and eastward during their non-breeding season to adjacent countries. This flyway is regularly used by 605 species of migratory birds of 84 families based on a first working list prepared for this review (Annexe 3 for a list of families and Annexe 4 for a full list of migratory species). Seven families are represented by 25 or more migratory species each (Table 1).

**Table 1.** Families with 25 or more migratory species in the CAF

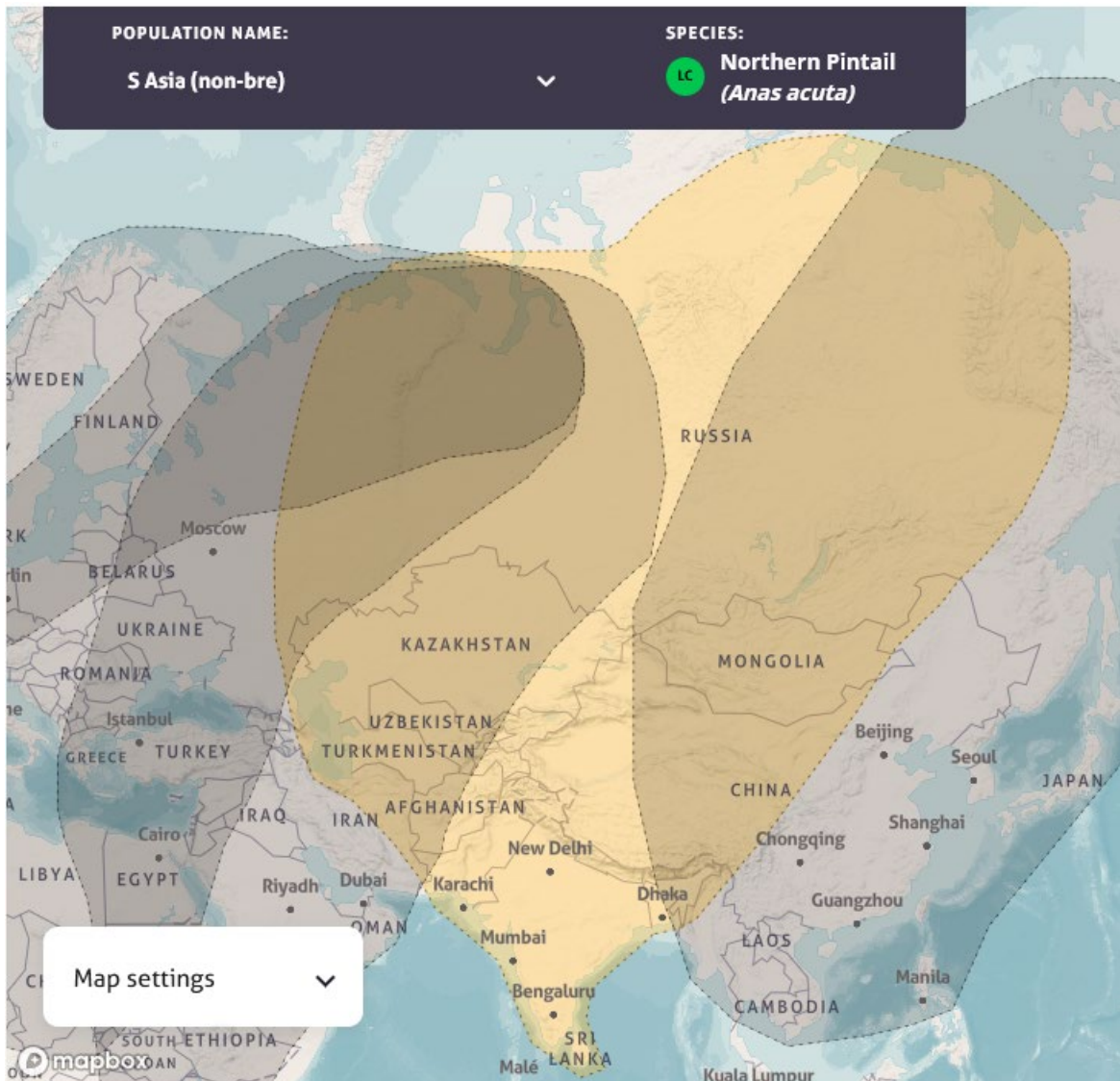
| Group      | Family   | No of species |
|------------|--|---------------|
| Landbirds  | Muscicapidae (Old World Flycatchers and Chats) | 61            |
|            | Phylloscopidae (Leaf-warblers)                 | 27            |
|            | Turdidae (Thrushes)                            | 25            |
| Raptors    | Accipitridae (Hawks, Eagles)                   | 47            |
| Waterbirds | Anatidae (Ducks, Geese, Swans)                 | 38            |
|            | Scolopacidae (Sandpipers, Snipes, Phalaropes)  | 36            |
|            | Laridae (Gulls, Terns, Skimmers)               | 29            |

Many migratory species in this list are distributed beyond the CAF, either in the East Asian–Australasian Flyway or African Eurasian Flyway. Where there is limited information on distribution and movement, we have taken a precautionary approach and included the species unless it appears to be a vagrant (not occurring regularly) in the CAF country.

If the species breeds within one or more countries within the CAF region and may pass through, but the majority of the population migrates outside the CAF countries during the non-breeding period in such a way that the terminus of migration is either westwards into Europe or Africa (the Amur Falcon (Meyburg *et al.* 2017, Kaur *et al.* 2022), Common Swift (Zhao *et al.* 2022) and Eurasian Cuckoo<sup>13</sup> (Lee *et al.* 2023) migrate from eastern Asia to Africa) or south-eastwards into South East Asia or Australasia, it was not included in the working list as a migratory species of the CAF.

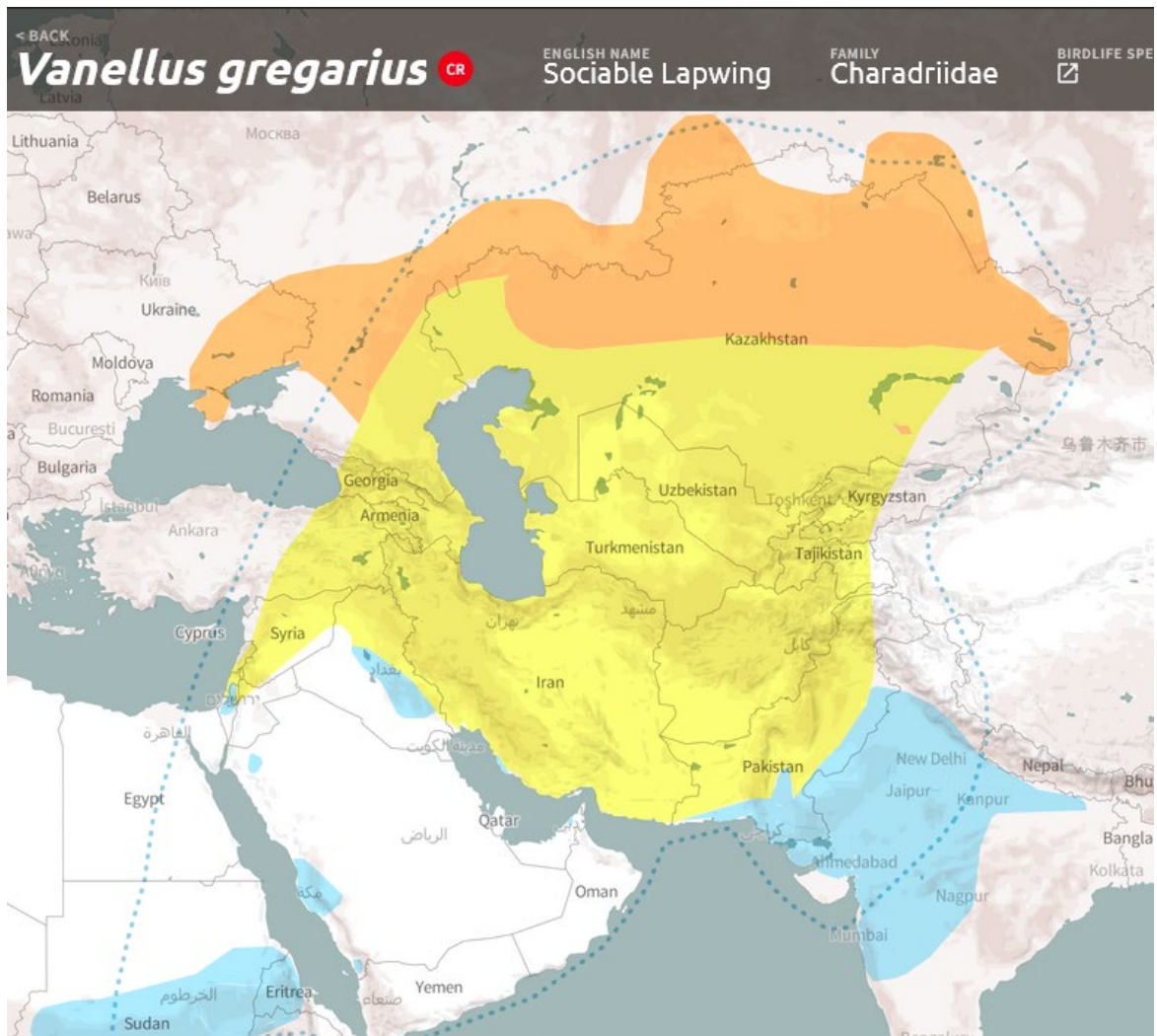
13 <https://qz.com/859330/researchers-use-google-maps-to-track-the-epic-migration-of-three-cuckoos-from-beijing-to-east-africa>



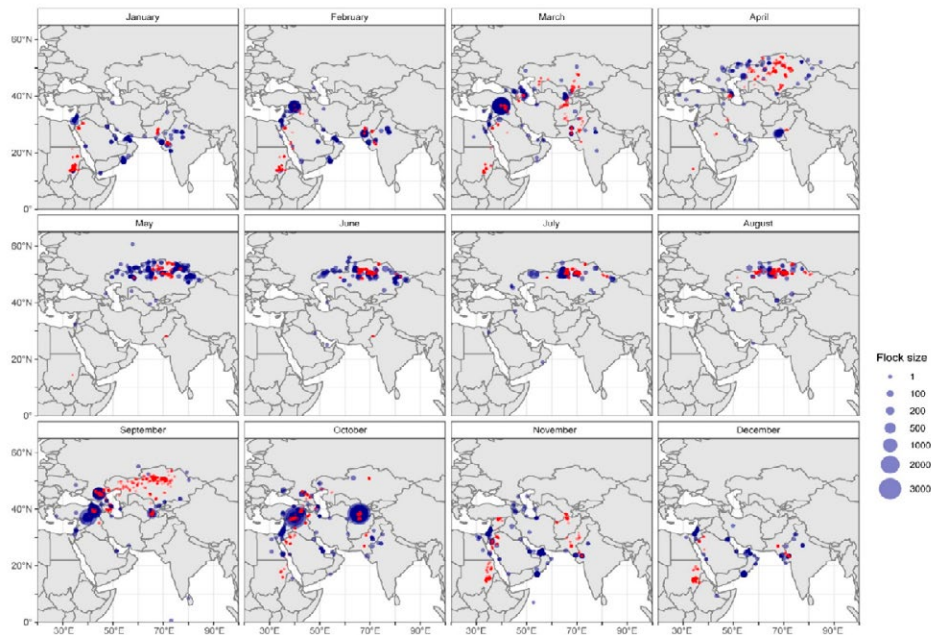


**Fig 2.** Distribution of the Northern Pintail, a northern arctic breeding migrant duck. The population in yellow indicates the biogeographic population in the CAF (while other populations breeding in northern Eurasia migrate into Africa and SE Asia). *Source:* <https://wpp.wetlands.org/explore/457/2269> The political boundaries on the map do not imply official endorsement or acceptance by BirdLife International or CMS.

Most long-distance migratory species of shorebirds, ducks and geese breeding in the arctic and temperate regions of Russia and Kazakhstan migrate to the terrestrial and coastal areas of southern Asia during the boreal/northern winter (Figs 2, 3a and 3b). Landbirds breeding in temperate regions may migrate short distances to Central Asia, while others migrate long distances to West and South Asia.

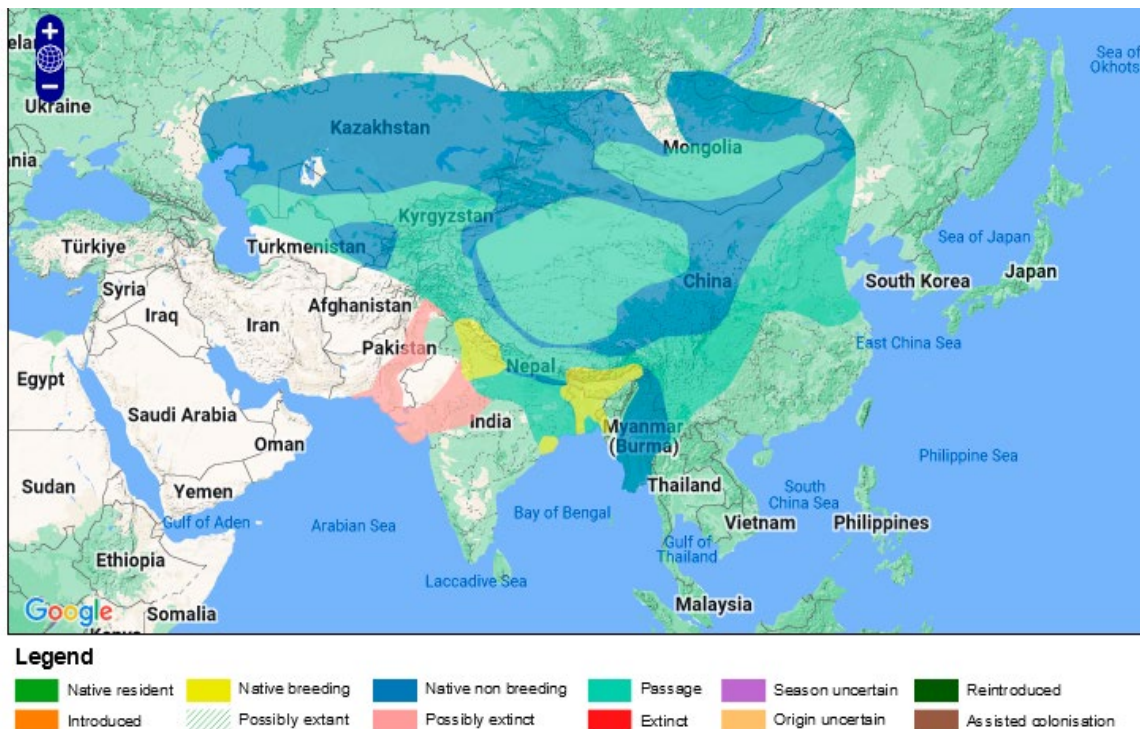


**Fig 3a.** Sociable Lapwing, a Critically Endangered temperate breeding migrant to South Asia and northeast Africa. The species range map: breeding (orange), non-breeding (light blue) and passage (yellow). The dotted line indicates the population boundary and encompasses areas where the species normally occurs. Source: <http://critical-sites.wetlands.org/en/species/22694053?zoom=4&lat=36.27970720524017&lng=72.46582031250001&view=map>  
The political boundaries on the map do not imply official endorsement or acceptance by BirdLife International or CMS.



**Fig. 3b.** Summary of monthly distribution of satellite-tagged Sociable Lapwing (red dots) and sight records of the species since 1970 (blue circles, scaled proportional to the number of birds recorded). *Source: Donald et al. (2020).*

A few species migrate in the reverse direction. The Pallas’s Fish-eagle, for example, breeds in Bangladesh and India during the northern winter and migrates north to Mongolia and Central Asia during the northern summer (Fig 4).



**Fig 4.** A “reverse” migration pattern of the Endangered Pallas’s Fish-eagle. The species breeds in a limited part of South Asia and migrates north to Central and eastern China and Myanmar. *Source: <http://datazone.birdlife.org/species/factsheet/pallass-fish-eagle-haliaeetus-leucoryphus>*  
The political boundaries on the map do not imply official endorsement or acceptance by BirdLife International or CMS.

Although the shortest flyway, it includes the highest mountain range in the world, the Himalayas. Several species of birds are known to migrate directly over the Himalayas, with some flying at altitudes above 6,000m (e.g. Bar-headed Goose – Hawkes *et al.* 2015, Ruddy Shelduck – Parr *et al.* 2017, other ducks Namgail *et al.* 2017, and Demoiselle Crane – Higuchi *et al.* 2017 and Black Kites - Kumar *et al.* 2020).

In addition to the migratory species described above, all of which use the terrestrial and coastal habitats, three species (Pomarine Jaeger, Arctic Jaeger and Red-necked Phalarope) breed in the Arctic and migrate across the continent to spend the non-breeding period in the Arabian Sea. There is a group of eight seabird species (Wilson’s Storm-petrel, Wedge-tailed Shearwater, Flesh-footed Shearwater, Tropical Shearwater, Persian Shearwater, Bulwer’s Petrel, Jouanin’s Petrel and Swinhoe’s Storm-petrel) that migrate into the Arabian Sea and Bay of Bengal. Five of these breed in the Indian Ocean, within and beyond the southern boundaries of the CAF, while the other three breed up to the Pacific Ocean and migrate into the Arabian Sea and Bay of Bengal.

Approximately 8% of all migratory bird species in the CAF are categorised as Globally Threatened (Critically Endangered, Endangered and Vulnerable) and 6% as Near Threatened (summarised in Table 2, details in Annexe 4).

**Table 2.** Number of species in the CAF based on the global IUCN Red List Status (2022)

| Red List status          | Number     | Percentage |
|--------------------------|------------|------------|
| Critically Endangered CR | 13         | 2.1        |
| Endangered EN            | 10         | 1.7        |
| Vulnerable VU            | 25         | 4.1        |
| Near threatened NT       | 36         | 5.9        |
| Least Concern LC         | 520        | 86.0       |
| Data Deficient DD        | 1          | 0.2        |
| <b>Total</b>             | <b>605</b> |            |

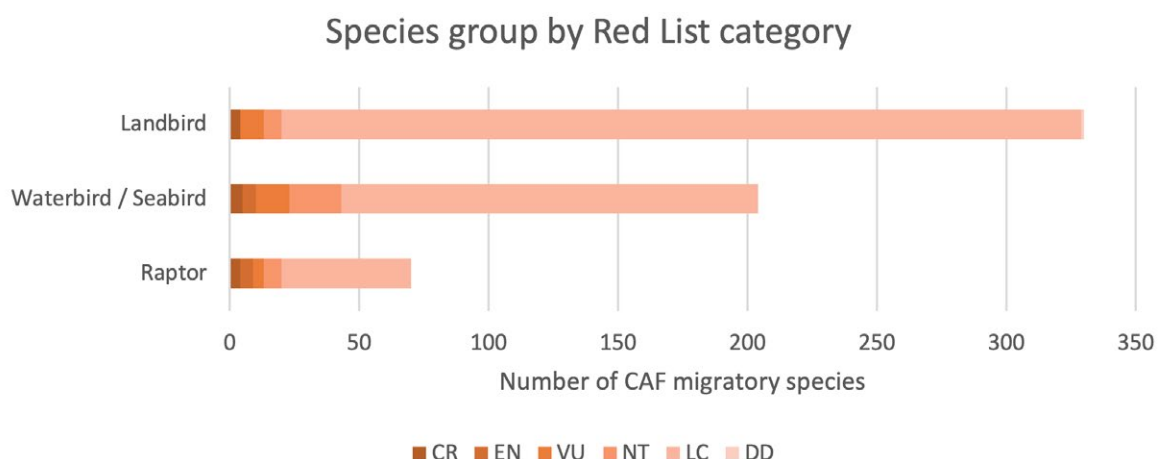
Of the three groups of migrants<sup>14</sup> (Fig. 5), raptors include the highest percentage of globally threatened species (19%), followed by waterbirds (and seabirds) at 11% and landbirds (including raptors) at (4%).

14 Waterbird – certain bird families, as listed in Ramsar Convention, totalling 898 species globally (as of Red List 2022); full list: <http://datazone.birdlife.org/species/results?thrlev1=&thrlev2=&kw=&fam=0&gen=0&spc=&cmn=&reg=0&cty=0&stwtf=Y>

Seabird – BirdLife classification, 369 bird species globally (as of Red List 2022), includes some marine-adapted Waterbirds; full list: <http://datazone.birdlife.org/species/results?thrlev1=&thrlev2=&kw=&fam=0&gen=0&spc=&cmn=&reg=0&cty=0&stsea=Y>

Landbird – any bird species not classed as Waterbird or Seabird and includes all Raptors. Currently 10,073 bird species globally (as of Red List 2022); full list: <http://datazone.birdlife.org/species/results?thrlev1=&thrlev2=&kw=&fam=0&gen=0&spc=&cmn=&reg=0&cty=0&stlbd=Y>

Raptor – landbirds from the following orders: Accipitriformes, Falconiformes, Strigiformes.



**Fig 5.** Overview of CAF migratory species groups per the IUCN Red List of Threatened Species (2022). See Table 2 for details of threatened categories.

While the families of Accipitridae (Hawks, Eagles), Anatidae (Ducks, Geese, Swans) and Scolopacidae (Sandpipers, Snipes, Phalaropes) show the highest numbers of globally threatened species, Otididae (Bustards) and Hydrobatidae (Storm-petrels) show the highest proportion (Table 3).

**Table 3.** Families with the highest numbers of globally threatened species in the CAF

| Family  | IUCN Red List categories* |    |    |    |    |       | No of globally threatened species | Percentage of globally threatened species per family |
|---|---------------------------|----|----|----|----|-------|-----------------------------------|--|
|   | CR                        | VU | EN | NT | LC | Total |                                   |  |
| Accipitridae (Hawks, Eagles)                  | 4                         | 3  | 4  | 6  | 30 | 47    | 11                                | 23.4   |
| Anatidae (Ducks, Geese, Swans)                | 1                         | 5  | 1  | 3  | 28 | 38    | 7                                 | 18.4   |
| Apodidae (Swifts)                             |                           | 1  |    |    | 3  | 4     | 1                                 | 25.0   |
| Ciconiidae (Storks)                           |                           | 1  | 1  | 1  | 3  | 6     | 2                                 | 33.3   |
| Gruidae (Cranes)                              | 1                         | 1  |    | 1  | 2  | 5     | 2                                 | 40.0   |
| Hydrobatidae (Storm-petrels)                  |                           | 1  |    | 1  |    | 2     | 1                                 | 50.0   |
| Otididae (Bustards)                           | 3                         | 2  |    | 1  |    | 6     | 5                                 | 83.3   |
| Phalacrocoracidae (Cormorants)                |                           | 1  |    |    | 2  | 3     | 1                                 | 33.3   |
| Podicipedidae (Grebes)                        |                           | 1  |    |    | 4  | 5     | 1                                 | 20.0   |
| Scolopacidae (Sandpipers, Snipes, Phalaropes) | 2                         | 1  | 2  | 7  | 24 | 36    | 5                                 | 13.9   |

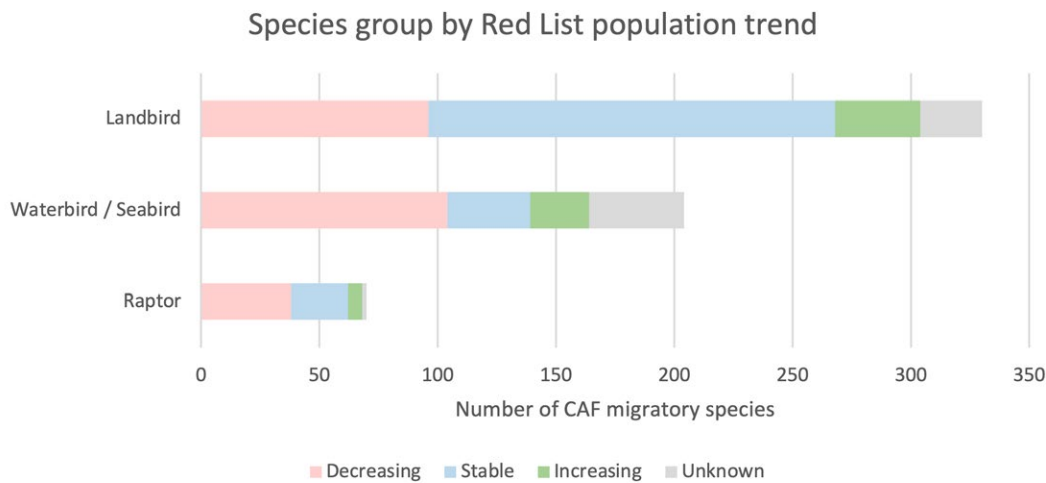
\*See Table 2 for abbreviations of IUCN categories

An assessment of the population trends indicates that 11% of species are recorded to have increasing populations, 38% are stable, and 39% are decreasing (Table 4). We do not have sufficient information for the remaining 11% of species to assess their population trends. If we consider only the subset of species for which there is adequate information, the percentage of species assessed with decreasing populations is 45%.

**Table 4.** Number of species in the CAF with population trends

| Trend      | No of species | %    | % of known |
|------------|---------------|------|------------|
| Increasing | 67            | 11.1 | 12.5       |
| Stable     | 231           | 38.1 | 43.0       |
| Decreasing | 239           | 39.4 | 44.5       |
| Unknown    | 69            | 11.4 |            |

Of the three groups of migrants (Fig. 6), waterbirds and landbirds within the CAF have nearly 100 species each with a decreasing trend. Proportionally, 54% of raptors, 51% of waterbirds, and 30% of landbirds have decreasing populations.

**Fig 6.** Overview of population trend of CAF migratory species groups as per the IUCN Red List of Threatened Species (2022)

#### b. Knowledge about CAF's migratory birds

Having adequate knowledge of the biology, migratory strategies, numbers and trends of different migratory birds and evidence of effectiveness of conservation interventions is critical for an evidence-based approach to their conservation. The *Review of Migratory Bird Flyways and Priorities for Management* (2014) provides a global overview of the state of knowledge of the different migratory birds and their needs. Such a CAF-scale review of all bird taxa is overdue. There is a long history of research on a limited number of species. However, for the bulk of migratory species, very little is known about their migration strategies, threats, ecological and conservation needs and the socio-economic drivers behind those key threats.

Some studies have provided foundational work in the region. The Raptors Conservation Status Assessment Report summarised information on migratory raptors in the CAF region<sup>15</sup>. Recently, the paucity of research on migration and conservation of migratory species in India was highlighted by Mahananda *et al.* (2022).

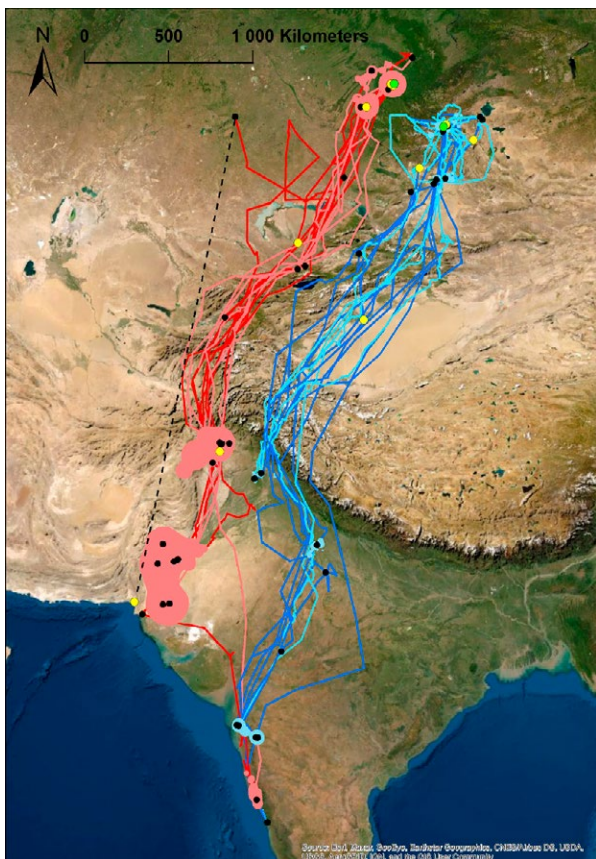
15 <https://www.cms.int/raptors/en/document/conservation-status-assessment-report>

The use of metal rings to mark individual birds in the CAF started in the 1930s (Ali and Ripley 1983), with millions of birds being marked over the decades. This has mainly been limited to long-running national ringing schemes in Russia and ex-Soviet states, India, Iran and the United Arab Emirates. Recently, a few other countries have also started ringing programs, including Bangladesh, Nepal, Oman, Pakistan and Sri Lanka. In addition, the Migratory Animal Pathological Survey (MAPS), which spanned from 1963 to 1973, added considerable knowledge on the basic migration routes and survival of many species through its extensive ringing operations, which banded over 1.2 million birds across India, East and South-East Asia (McClure 1974).

Together, this has yielded basic movement pattern information of a relatively small proportion of CAF species, including ducks and geese, cranes, pelicans, Greater Flamingo and shorebirds (e.g. Balachandran *et al.* 2018). The overall recovery rate of metal rings has been very low compared to other flyways. Overall, information generated by these projects has been limited due to the limited number of national ringing schemes and research groups, restrictions on hunting in many countries and deficient communication.

Through the use of individual colour markers (e.g. neck collars, leg rings) that rely on reports of resighting of birds by observers across their range, our knowledge of some species has increased in the last few decades, particularly of the Bar-headed Goose, Siberian Crane and Demoiselle Crane. Recordings of individually-marked birds have recently increased in countries such as Bangladesh, Kuwait, India, Oman, Sri Lanka and the UAE. It has increased our knowledge of migratory birds in the region, particularly shorebirds.

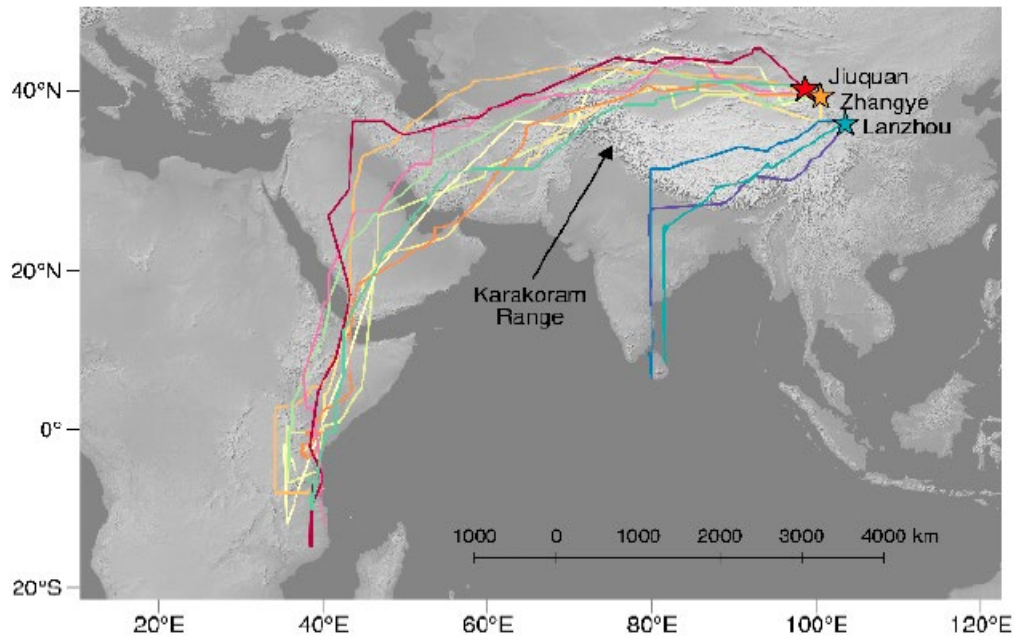
In parallel, the application of satellite transmitters has provided precise descriptions of local and long-distance migratory movements across multiple years. It does not require birds to be recaptured/ reported by people. They have provided valuable information on the movement of the Bar-headed Goose (Javed *et al.* 2000, Takekawa *et al.* 2009), ducks (Namgail *et al.* 2017), Greater Flamingo (Javed *et al.* 2007), Demoiselle Cranes (Galtbalt *et al.* 2022), raptors such as the Black Kite (Kumar *et al.* 2020, Literák *et al.* 2022, Fig 7), Cinereous Vulture (Gavashelishvili *et al.* 2012), Saker Falcon (Dixon *et al.* 2016)



and Peregrine Falcon (Gu *et al.* 2021), gulls such as the Lesser Black-backed Gull *heuglini* subspecies (Panagoda *et al.* 2023), bustards such as Great Bustard (Kessler *et al.* 2013) and Asian Houbara (Combreau *et al.* 2011) and floricans (Jha *et al.* 2018) and a few smaller species, including the threatened Sociable Lapwing (Fig 3a & 3b, Donald *et al.* 2020) and Black-tailed Godwit (Bajaru *et al.* 2023). However, the high cost of transmitters and national policies concerning the importation of satellite transmitters or their use within national boundaries has limited the number of species studied.

**Fig 7.** Differences in migration routes and pre-breeding and post-breeding home ranges of Black Kites tagged with satellite transmitters in two nearby sites in Russia: Biysk (southward migration - dark red lines, northward migration - light red lines, light red polygon - home range) and Kosh-Agach (southward migration - dark blue lines, northward migration - light blue lines, light blue polygon - home range). *Source: Literák et al. (2022).*

Precise information on long-distance movements of smaller-sized birds has been limited to a few species, such as Little Ringed Plover (Hedenström *et al.* 2013), Red-necked Phalarope (van Bemmelen *et al.* 2019), Common Rosefinch (Stach *et al.* 2016) and Barn Swallow (Turbek *et al.* 2018), see Fig 8. This has only been possible in the last decade with the development of lightweight (1-2 gm) geolocators that require recapture of the bird to download data. Most published studies are limited to species with breeding grounds in Europe, a few of which also migrate to southern Asia. There appear to be very few studies on the migratory movements of small migratory birds marked within the CAF region (Barn Swallow, Turbek *et al.* 2018 and Yellow-breasted Bunting, Heim *et al.* 2020).



**Fig 8.** Barn Swallow—breeding in China and migrating to South Asia across the Himalayas and Africa as revealed by geolocators. *Source: Turbek et al. (2018).*

As technology develops and becomes more accessible, countries simplify their processes of bird marking, and with tags get smaller, we expect that more information on the migratory habits of smaller species will be brought to light.

At the flyway level, information on migratory birds and their habitats is available through online databases, including those held by BirdLife International on birds and Important Bird and Biodiversity Areas, IUCN (Red List), community (citizen) science platforms, such as annual waterbird and wetland monitoring through the International Waterbird Census by Wetlands International, eBird by Cornell University and iNaturalist. Movebank and the BirdLife International Seabird Tracking Database store increasing satellite tracking data, with a Global Wader Tracking Database established under the International Wader Study Group. These data sources are being used for flyway, regional and national assessments. Such data tend to be more accessible when information is being uploaded onto flyway/global platforms.

In addition, there is much literature in several languages that summarise different aspects of migratory birds, including breeding information, such as the atlas of breeding waders in the Russian Arctic (Lappo *et al.* 2012), the breeding bird atlas of Saudi Arabia (Jennings, 2010) and the Indian Bird Migration Atlas (Balachandran *et al.* 2018).



### c. Cultural values of migratory birds

Migratory birds are of great cultural and religious significance for the people residing in the countries of the CAF region. These have both positive and negative effects on the birds in the region. A few highlights include (more details can be found in the country synthesis):

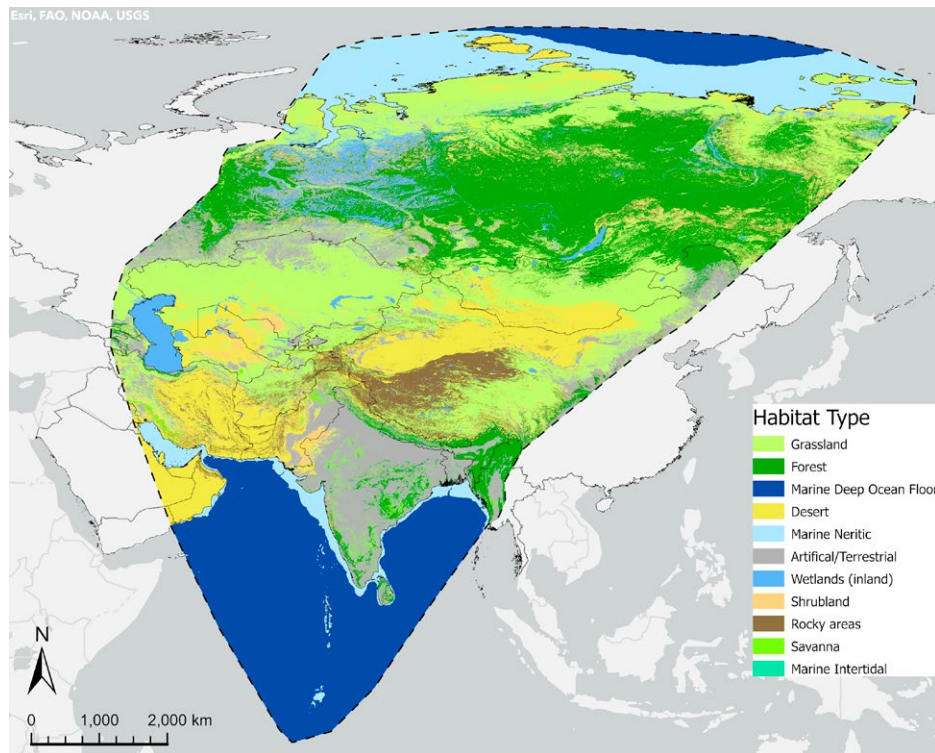
- Religion and culture: The White Stork is considered a sacred bird that brings peace and tranquillity in Uzbekistan, and the Black-necked Crane is revered for longevity in Bhutan and is considered a symbol of the Buddha in India. In Sri Lanka and other countries where Buddhism is the main religion, most people have compassion towards all living beings and respect for all wildlife, including migratory birds. The arrival of Demoiselle Cranes is culturally welcomed in western India<sup>16</sup>, while the arrival of the Pallas's Fish-eagle to breed in the wetlands is celebrated as "Raio Uutshav" in Bangladesh by both Hindu and Muslim communities alike (Sourav *et al.* 2011). The Greater Flamingo has a religious value for Shiite Muslims in Afghanistan.
- Arts: Many species of swans, cranes, ducks (including Ruddy Shelduck) and Blue Whistling Thrush have inspired art and folk culture, including paintings, carvings, songs and dances.
- Traditional agriculture: The arrival of Demoiselle Cranes on northward migration has been used to time sowing of crops in Nepal.
- Traditional hunting: Some species, particularly the Saker and Peregrine Falcons and the Golden Eagle, have long been valued (and highly priced) for falconry from the Arabian Peninsula to Mongolia, as has been their prime quarry species, the migratory Asian Houbara.
- Traditional fishing: Birds are of cultural value to fishermen in the Maldives, who rely on them to locate tuna schools.
- National Symbol: Some birds have been recognised for their importance and are portrayed on flags or coats of arms, e.g. the Steppe Eagle is portrayed on the flag of Kazakhstan, and the Golden Eagle is portrayed on the coat of arms of Armenia.

### d. Habitats used by migratory birds

Migratory birds in the CAF use a wide variety of habitats during their annual cycle: from the remote Arctic to the tropical Indian Ocean coasts and islands, through the heights of the Himalayas and the dryness of the Arabian, Thar and Taklimakan Deserts, the birds explore both natural and human-made habitats (Fig 9).

By nature, migratory birds require various sites and landscapes during their annual migration cycle for breeding, staging, moulting (for some species, such as ducks, geese and swans) and the non-breeding period.

16 <https://www.thehindu.com/sci-tech/energy-and-environment/how-the-demoiselle-crane-has-turned-a-rajasthani-village-into-a-tourist-hub/article26088763.ece>



**Fig 9.** Major habitats of the CAF (based on the first global map of IUCN habitats (Jung *et al.* 2020 - available to view: <https://uploads.users.earthengine.app/view/habitat-types-map>)

The political boundaries on the map do not imply official endorsement or acceptance by BirdLife International or CMS.

The extensive grasslands and steppes that span the width of the Central Asian region, especially in the mid-latitudes, are characteristic habitats of this flyway (Table 5a) and cover over 9 million km<sup>2</sup> (Wesche *et al.* 2016). They serve as a breeding area for many cranes, bustards, sandgrouse and other landbird species, across which temperate and arctic breeding species migrate annually.

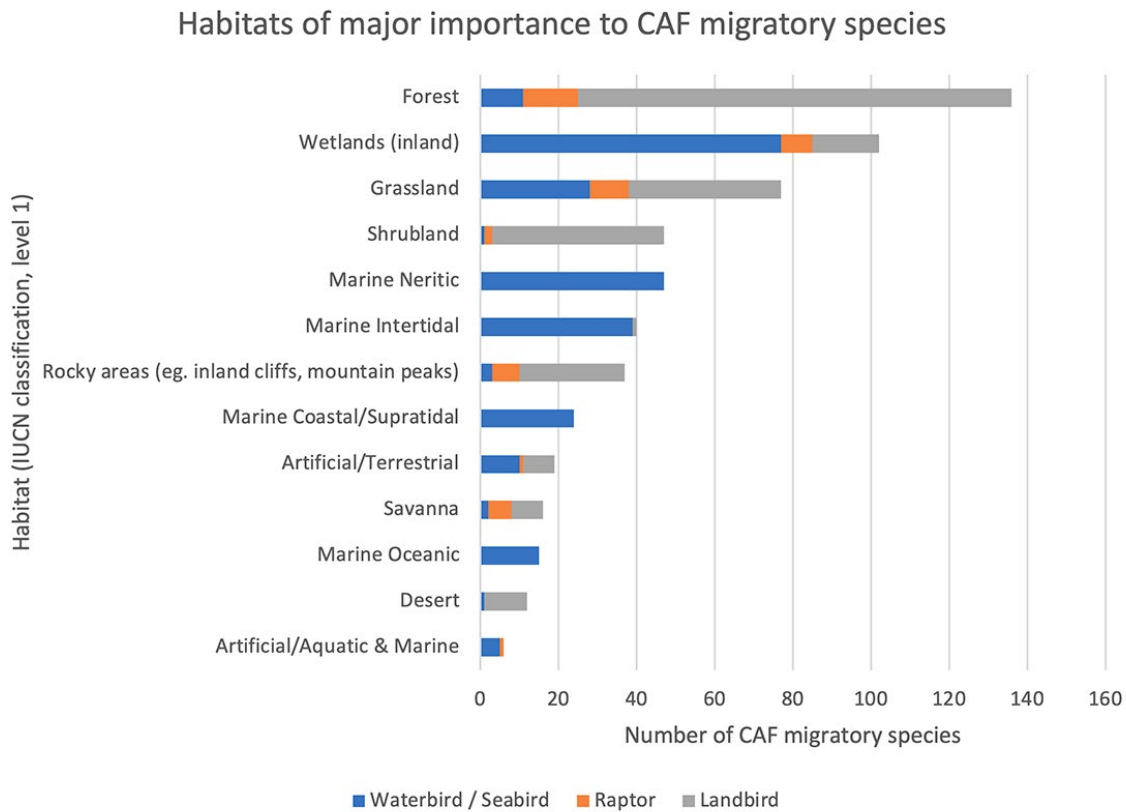
**Table 5a. Total area and percentage cover of habitat types (IUCN, level 1) across the CAF region.**

Habitat data is taken from Jung *et al.* (2020), using version 4 of their dataset. Percentages are rounded for simplicity<sup>17</sup>.

| IUCN Habitat Type (Level 1) | Area within CAF (km <sup>2</sup> ) | Percentage of CAF Region (%) |
|-----------------------------|------------------------------------|------------------------------|
| Grassland                   | 9,733,702                          | 23                           |
| Forest                      | 8,567,211                          | 20                           |
| Marine Deep Ocean Floor     | 6,998,921                          | 17                           |
| Desert                      | 4,362,825                          | 10                           |
| Marine Neritic              | 3,804,801                          | 9                            |
| Artificial/Terrestrial      | 3,619,302                          | 9                            |
| Wetlands (inland)           | 1,608,300                          | 4                            |
| Shrubland                   | 1,485,598                          | 4                            |
| Rocky areas                 | 1,399,223                          | 3                            |
| Savanna                     | 282,553                            | <1                           |
| Marine Intertidal           | 6,081                              | <1                           |

<sup>17</sup> Source: Jung, M., Dahal, P.R., Butchart, S.H.M., Donald, P.F., De Lamo, X., Lesiv, M., Kapos, V., Rondinini, C., Visconti, P. (2020). A global map of terrestrial habitat types. *Sci. Data* 7, 256. <https://doi.org/10.1038/s41597-020-00599-8>

Forests and wetlands are the two habitats of major importance (as per IUCN's Habitat classification system)<sup>18</sup>, used by more than 100 species each. Grasslands, scrubland, coastal and shallow marine areas are used by 40 or more species each (Fig. 10).



**Fig 10.** Overview of major habitats of importance for CAF migratory species groups, following IUCN's Habitat classification system

Additional information on the habitat types is provided in Table 5b (each group having exceptions).

<sup>18</sup> IUCN's Habitat classification: <https://www.iucnredlist.org/resources/habitat-classification-scheme>. BirdLife ranks the importance of habitats for species along this scale: Major > Suitable > Marginal > Unknown (details here: <http://datazone.birdlife.org/species/spchabaltis>) 'Major' being defined as: The habitat is important for the survival of the species, either because the species has an absolute requirement for the habitat at some point in its life cycle (e.g. for breeding or as a critical food source), or because the habitat is the primary habitat (or one of two primary habitats) within which the species usually occurs or within which most individuals occur. So, a species can have more than one major habitat, though they rarely have more than two.

**Table 5b.** Summary of main habitat types used by migratory birds during their annual cycle in the CAF

| Main habitat types <sup>19</sup>  | Landbirds | Raptors | Waterbirds | Seabirds |
|---|-----------|---------|------------|----------|
| Desert (hot deserts and oases, temperate desert, cold desert and semi-desert)   | x         | x       |            |          |
| Forest (boreal, subarctic forest, temperate forest; subtropical/tropical dry forest, lowland moist, mangrove, swamp and montane moist forest)   | x         | x       |            |          |
| Grassland (tundra; subarctic, subantarctic, temperate, subtropical/tropical (lowland) dry, seasonally wet/flooded and high altitude grassland)  | x         | x       | x          |          |
| Rocky areas (e.g. inland cliffs, mountain peaks)  | x         | x       |            | x        |
| Savanna (dry and moist savanna)   | x         | x       | x          |          |
| Shrubland (subarctic, subantarctic, boreal, temperate; subtropical/tropical (lowland) dry, moist and high altitude shrubland; Mediterranean-type shrubland)   | x         | x       |            |          |
| Wetlands (inland) rivers, streams, creeks – permanent and seasonal/intermittent/irregular; shrub dominated wetlands; bogs, marshes, swamps, fens, peatlands; freshwater lakes (>8 ha) – permanent and seasonal/intermittent; freshwater marshes/pools   |           | x       | x          |          |
| Marine coastal/supratidal (rocky shores; coastal brackish/saline lagoons; coastal freshwater lagoons)   | x         | x       | x          |          |
| Marine intertidal (sand, shingle, pebble shores; estuarine waters; intertidal mud, sand/salt flats; intertidal marshes; subtidal aquatic beds, coral reefs)   |           |         | x          | x        |
| Marine neritic (shallow sea)  |           |         |            | x        |
| Marine oceanic (open sea)   |           |         |            | x        |
| Artificial/aquatic and marine (irrigated land; seasonally flooded agricultural lands; canals, drainage ditches, ponds (<8 ha); water storage areas (>8 ha); excavations (open); aquaculture ponds; salt exploitation sites; wastewater treatment areas) |           | x       | x          |          |
| Artificial landscapes (terrestrial) arable land; pastureland; plantations; rural gardens; urban areas; subtropical/tropical heavily degraded former forest.   | x         | x       |            |          |

#### e. Sites used by migratory birds

At the CAF level, at least five sources of information are available on sites/areas of international importance for migratory birds:

**(a)** Important Bird and Biodiversity Areas (IBA) database<sup>20</sup> held by BirdLife International (Fig. 11) and reflected in the BirdLife Data Zone,

**(b)** Protected Planet<sup>21</sup> by UNEP-WCMC, which provides access to the World Database on Protected Areas (WDPA), World Database on OECMs, and Global Database on Protected Area Management Effectiveness (GD-PAME),

**(c)** Critical Site Network Tool<sup>22</sup> provides information for species and populations of waterbirds in the CAF range states covered by AEWA, which Wetlands International and BirdLife International have developed,

<sup>19</sup> BirdLife Datazone <http://datazone.birdlife.org/species/spchabalt>

<sup>20</sup> <https://datazone.birdlife.org/sites/search>

<sup>21</sup> <https://www.protectedplanet.net/en>

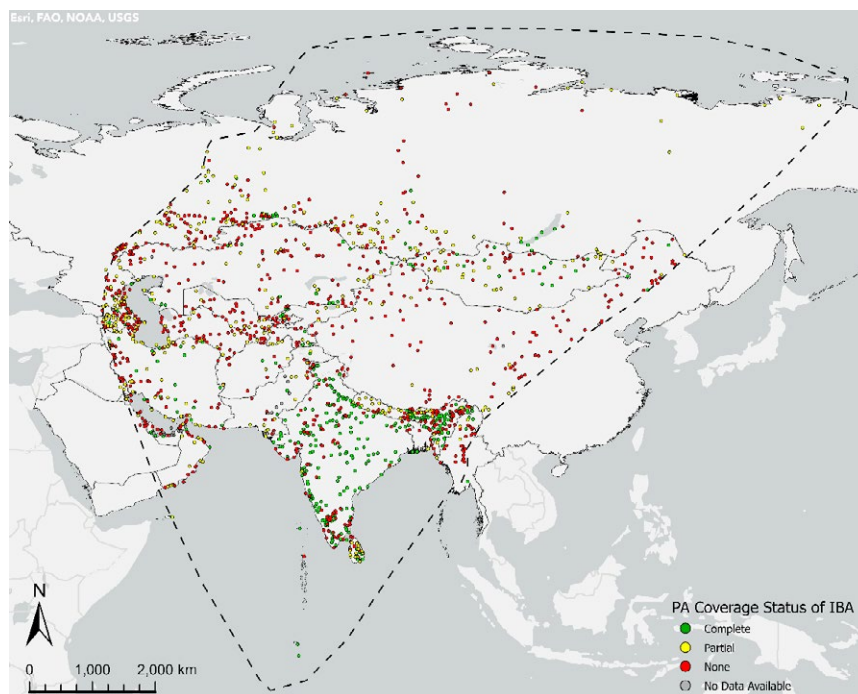
<sup>22</sup> <https://critical-sites.wetlands.org/en>

(d) Ramsar Database of wetlands of international importance<sup>23</sup>, including those designated for waterbirds maintained by UNEP-WCMC,

(e) Information on internationally important sites for waterbirds generated through the annual International Waterbird Census available in periodic publications (e.g. Li *et al.* 2019).

A first working list of internationally important sites for all migratory birds has been generated from the IBA database. It identifies 1,717 sites within CAF, including 79 potential new sites in six countries (Armenia, Bangladesh, Georgia, Kyrgyzstan, Mongolia and Pakistan) from the national questionnaires. A country summary is provided in Annexe 5, with a detailed list in Annexe 6 and additional information in Annexe 7.

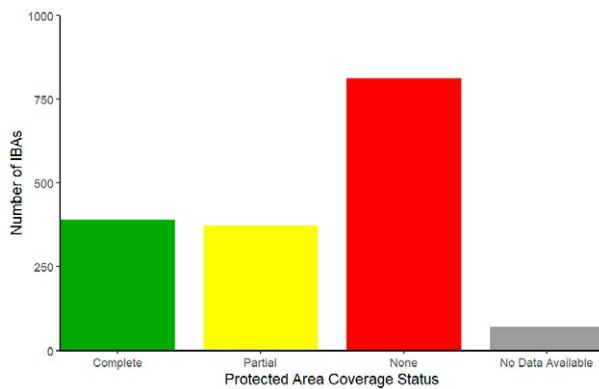
Based on the national questionnaire, we have received information from most CAF countries on potential new sites of importance for birds and their current protection status that are not currently part of the IBA or the Protected Planet databases. This information must be reviewed by national experts and international organisations to support their further use.



**Fig 11.** Internationally important sites for migratory birds in the CAF based on the IBA database. The protected area coverage status of sites is based on data from the WDPA (Protected Planet by UNEP-WCMC) for all countries except for India, for which the BNHS provided updated information. This map does not include the potential new sites identified via national consultation. The political boundaries on the map do not imply official endorsement or acceptance by BirdLife International or CMS.

Protected areas have been the cornerstone of conservation practice worldwide for over a century. Overall, the protected area coverage status in the CAF reveals that over 50% of IBAs of importance for migratory birds are not protected (Figure 12), with the remaining having complete or partial protection. Research increasingly demonstrates that creating and supporting well-managed protected areas is necessary to protect species with niche needs (Wauchope *et al.* 2022). Conservation of these species will benefit from creation of additional protected areas and their management as well as the improved management of unprotected landscapes to meet their specific needs.

23 <https://rsis.ramsar.org/>



**Fig 12.** Protected area coverage status of internationally important sites (listed as IBAs) for migratory birds in the CAF. Data based on the Protected Planet by UNEP-WCMC for all countries except India, for which the BNHS provided updated information. This map does not include the potential new sites uncovered by the national consultation.

The CAF region includes two flyway networks that aim to conserve migratory birds by providing the ecological connectivity needed across their annual migration cycles:

- (a) The Western/Central Asian Site Network for Siberian Cranes and Other Waterbirds (WCASN), formally launched in May 2007 in Kazakhstan, with 12 sites of international importance for migratory waterbirds designated (and an additional 24 proposed) by countries in the flyway<sup>24</sup>; and
- (b) The East Asian–Australasian Flyway Site Network<sup>25</sup> under the EAAFP, launched in 2006, covering the breeding and staging range of CAF birds in Russia, Mongolia, NW to NE China and Myanmar, with 30 designated sites in the CAF region.

The CAF Waterbird Action Plan (2006) has called for establishing a flyway site network to broaden the range and coverage of the WCASN. This has not been operationalised to date and remains a high priority to promote the conservation of an ecological network for migratory waterbirds and other migratory species in the flyway (Mundkur 2021).

In addition to listing sites of importance for waterbirds (used to inform the designation of Ramsar Sites and Flyway Network sites), collating such information is underway for different groups across the flyway. Signatories of the Raptors MOU have recently endorsed an updated list of sites of international importance for migratory raptors<sup>26</sup>, AEWPA Parties are in the process of identifying national lists of sites of national and international importance for migratory waterbirds, and the Working Group of AEMLAP is working to identify priority principal habitats for migratory landbirds<sup>27</sup>. The IUCN Bustard Specialist Group is collating a list of internationally important sites for migratory bustards (Collar *et al.* in prep).

Other Effective Area-based Conservation Measures (OECMs)<sup>28</sup> is a recent concept under the CBD (2018) and appears widely unknown, unrecognised and not applied within CAF countries. While none appear to have a national list or database of OECMs of critical importance for migratory birds, IBAs have been

24 <https://www.cms.int/siberian-crane/en/page/site-network> launched at the Sixth Meeting of the Signatories (MOS6) to the CMS Memorandum of Understanding on Conservation Measures for the Siberian Crane

25 <https://www.eaaflyway.net/the-flyway/flyway-site-network/>

26 [https://www.cms.int/raptors/sites/default/files/document/cms\\_raptors-tag3\\_doc4.1b\\_rev1\\_2\\_amendments-site-list.pdf](https://www.cms.int/raptors/sites/default/files/document/cms_raptors-tag3_doc4.1b_rev1_2_amendments-site-list.pdf)

27 <https://www.cms.int/sites/default/files/document/AEML%20WG%20POW%202021-2026%20Final%20version.pdf>

28 An OECM is officially defined by the Convention on Biological Diversity as “a geographically defined area other than a Protected Area, which is governed and managed in ways that achieve positive and sustained long term outcomes for the *in situ* conservation of biodiversity with associated ecosystem functions and services and where applicable, cultural, spiritual, socio economic, and other locally relevant values”.

listed as potential OECMs. It is premature to conclude the effectiveness of management actions (as outlined above for protected areas) undertaken in OECMs to ensure safe feeding, resting/roosting and nesting areas for migratory birds.

#### f. Migratory bird and habitat/site research and monitoring activities

The national questionnaires have sought information available/collected to inform research and conservation action for the main bird groups, including (a) population monitoring (during breeding, migration, and non-breeding periods), (b) migration movements (based on ringing, colour marking or satellite tracking), (c) habitat requirements, (d) food and feeding requirements, (e) knowledge of most important sites, and (f) conservation needs/threats.

Based on the information gathered (Table 6), the level of knowledge varies between moderate to absent, with none of the countries reporting high levels of knowledge for all groups of birds. Most countries report absent to low levels for most categories without providing much information to substantiate the feedback.

**Table 6.** Knowledge levels on CAF migratory birds based on feedback from the national questionnaires

| Information on migratory birds   | Level of knowledge in CAF countries   | Examples of feedback provided by countries on information missing to identify and implement conservation action  |
|--|---|--|
| Population monitoring (during breeding, migration, non-breeding periods)     | Low in 54%, Moderate in 35%, High in 6%, Absent in 5% of the CAF countries  | Most countries report lack of monitoring of raptors, landbirds and seabirds during any period.<br>Most report low to moderate levels of monitoring of waterbirds, linked to the International Waterbird Census.<br>There is a need to conduct systematic monitoring of breeding birds nationwide (Bhutan).<br>Not all sites can be covered regularly and there is a need to assess threats.<br>Recent information is based on personal efforts of individual birders with uploads of rough counts on eBird database. |
| Migration movements (based on ringing, colour marking or satellite tracking) | Low in 51%, Moderate in 29%, High in 2%, Absent in 19% of the CAF countries | As presented in the previous section, there is information for a few species. Most countries report lack of migratory studies of raptors, landbirds and seabirds.  |
| Habitat requirements   | Low in 26%, Moderate in 24%, High in 9%, Absent in 4% of the CAF countries  | There is poor understanding of wildlife requirements (Oman).   |
| Food and feeding requirements  | Low in 60%, Moderate in 25%, High in 16%, Absent in 4% of the CAF countries | Important data on populations at most important sites are only available for waterbirds. Limited by funding and limited to people interested in specific taxonomic groups.<br>Studies on food and feeding of migratory birds are almost non-existent in Bangladesh; except studies on food of Indian Skimmer & Black-tailed Godwit (Das <i>et al.</i> in press). Studies needed to understand diet and food reserves for managing refuelling of migratory birds.   |
| Knowledge of most important sites  | Low in 25%, Moderate in 55%, High in 19% of the CAF countries               | There are no data specific to migratory birds (Yemen).   |

#### g. Migratory bird and habitat/site data management, analysis and use

Data are the essence of evidence-based policy. Quality data management and analysis are crucial for assessing migratory bird populations and their habitats and building sound policy recommendations.

The national questionnaires revealed that data on migratory birds, habitats and sites had been collected and curated by various players, including national governments, research institutions, universities, NGOs and individual researchers, with varying quality and accessibility. Bureaucracy, politics and language differences can hinder collaboration across the flyway. There can also be significant differences among countries in budget allocation and geographical biases in data collection (e.g. most information relates to lowland birds, with significant gaps in mountainous regions). As a result, much of the data are incomplete, disaggregated, poorly analysed and under published.

Across the flyway, migratory bird data are collected for multiple purposes (see Table 7). Over 60% of countries use this information to develop species conservation plans, prepare National Reports on their country's implementation of conventions, agreements and regional initiatives and identify important areas for designation and protection.

Information is also being used in the management (restoration) of areas of importance [including Protected Areas, Ramsar Sites, World Heritage Sites, Flyway Networks (including West/Central Asian Flyway Site Network and East Asian–Australasian Flyway Site Network), Important Bird and Biodiversity Areas and privately-managed areas]. For example, in Bangladesh, information collected jointly by the Bangladesh Bird Club and Forest Department has been used by the government to designate many protected areas for bird conservation. In Afghanistan and Yemen, on the other hand, there appears to be an overall lack of adequate systems for information collection and use. Details provided by countries are available in the country summaries.

In the few countries where legalised hunting systems exist (e.g. Kazakhstan, Uzbekistan and Kuwait), some report using the data to inform decisions concerning the hunting and managing migratory bird populations. However, additional information is needed on the effectiveness of these systems. Even in countries like Bahrain, where hunting of all species is prohibited, such decisions to ban hunting are reported to be data-driven.

There is an enormous data gap related to the use of migratory species, hunting bags, and the cumulative impact of hunting and capturing of migratory bird populations.

Many countries lack a system to adequately record the number of hunters and the nature and scale of their activities. Even when a system exists, reporting levels are often suspiciously low. Without oversight, national quotas cannot be safely set, and harvest cannot be tracked for populations at a flyway scale to ensure that the aggregate harvest stays within sustainable limits within the CAF. Many species are being severely impacted by unsustainable levels of hunting, with cross-border and cross-regional tourism hunting.

**Table 7.** CAF countries use specific information to guide bird management policies based on the national questionnaires

| Purposes of use of information  | Percentage of responding countries using information |
|---|--|
| Identification of important areas for designation and protection  | 68%  |
| Management (restoration) of protected areas for migratory birds   | 59%  |
| Management (restoration) of Ramsar Sites for migratory birds  | 57%  |
| Management (restoration) of World Heritage sites for migratory birds  | 33%  |
| Management (restoration) of Flyway Network sites (incl. West/Central Asian Flyway Site Network and East Asian - Australasian Flyway Site Network) | 29%  |
| Management (restoration) of Important Bird and Biodiversity Areas   | 48%  |
| Management (restoration) of privately managed areas   | 33%  |



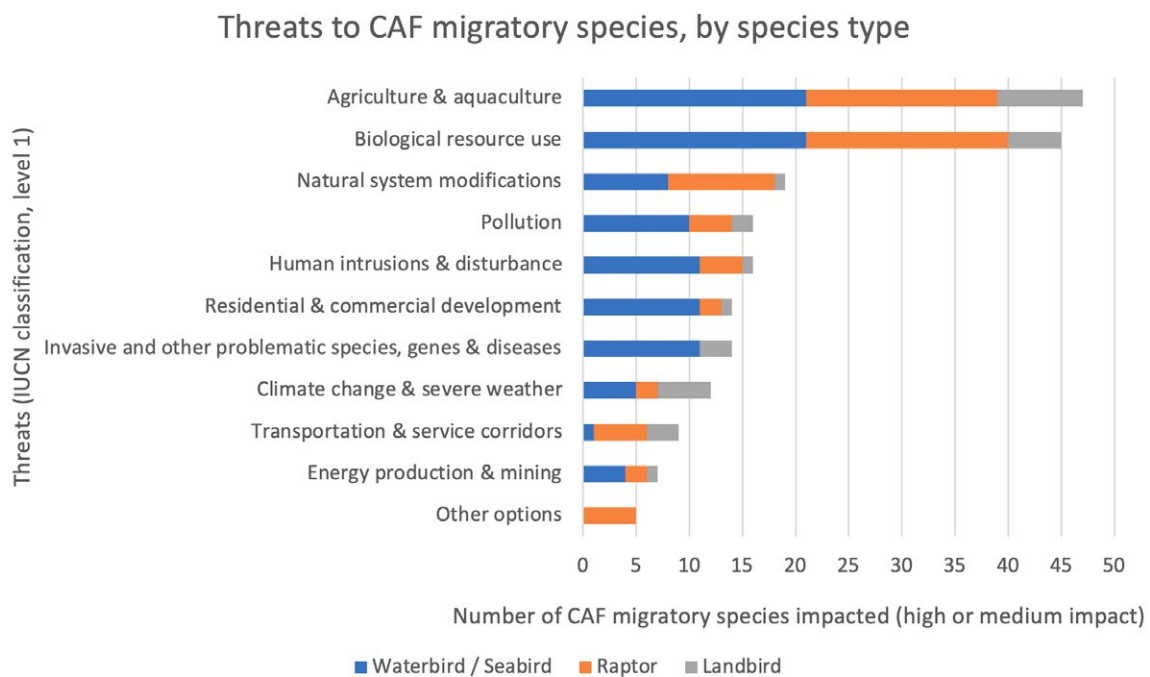
|   |     |
|---|-----|
| Development of Species Conservation Plans   | 70% |
| National Reports for Conventions, Agreements, regional initiatives                                | 61% |
| National Biodiversity Strategies & Action Plans   | 57% |
| Decisions concerning utilisation of migratory bird populations through a legalised hunting system | 36% |

Further details per country in Annexe 8

#### h. Threats and pressures affecting migratory birds and habitats/sites

This review focuses on threats and pressures that have or are likely to have a population-level impact. Information is drawn from the literature and the questionnaires.

Various threats currently pressure the migratory bird populations in the CAF region, including agriculture and aquaculture, biological resource use (legal and illegal hunting), modifications of natural systems (water management, fire/fire suppression and other ecosystem modifications), pollution, human disturbance, and invasive species, as summarised in Fig 13.



**Fig 13.** High or medium impact threats to CAF migratory species, based on IUCN classification (level 1).  
Source: BirdLife International Data Zone (2023).

The following is a list of pressures affecting the birds, grouped into two categories based on the national questionnaire responses (not in order of intensity):

- a. **Habitat loss and degradation**
- b. **Direct threats to birds**

### a. Habitat loss and degradation

High-quality natural habitats are important to sustain migratory populations. However, many parts of the CAF region have dense and growing human populations that have altered the landscape significantly. As an example, an assessment of the anthropogenic pressures affecting coastal regions has revealed that the entire Indian Ocean coastline of South and West Asia (apart from a small part of the coastline in Oman) had less than 20% of intact habitat, reflecting the high levels of human impact on these habitats (Williams *et al.* 2021). These are important non-breeding grounds for migratory shorebirds, other waterbirds and seabirds. As a comparison, the Arctic coast of Russia, which serves as the breeding ground for many CAF species, retains more than 80% of its coastline intact. However, in these Arctic latitudes, temperatures are rising more than twice as fast as the global average. The thawing of permafrost is resulting in landscape-scale changes that are expected to have impacts on the availability of adequate breeding habitats for shorebirds, ducks, geese and other arctic breeding migrants, as well as the availability of food caused by changes in the phenology of vegetation and insects (Lameris *et al.* 2021) (also see section on Climate Change). Inland wetlands are important habitats for migratory waterbirds, raptors and many landbirds and are also under serious threat (Convention of Wetlands 2021). The expansion of deserts in Central Asia (Guglielmi 2022, Hu & Han 2022) and loss of lakes, peat bogs, wet meadows and other breeding habitat in some high altitude areas such as western Tianshan, Hindu Kush and Himalayas is also expected to have a negative impact on migratory birds.

With rapid human development in many countries, the pressure on natural habitats (including coasts, grasslands and forests) is increasing, with large-scale changes evident in the last decades. Feedback from the national questionnaires has shown a wide range of threats affecting migratory birds (Table 8). The degradation and destruction of habitats important for migratory birds are reported to be moderate to severe in most countries.

**Table 8.** Summary of main threats to habitats used by migratory birds during their annual cycle in the CAF based on the national questionnaires

| Threat and pressure   | Overall relative severity of impact | Species/groups affected  |
|---|-------------------------------------|--|
| Habitat loss/destruction                                      | Severe-moderate                     | All migratory species in all habitats  |
| Habitat degradation (loss of quality)                         | Moderate-severe                     | All migratory species in all habitats  |
| Urbanization  | Moderate                            | All migratory species in all habitats  |
| Road/highway construction                                     | Moderate                            | Farmland birds, forest birds, waterbirds, and cliff-nesting raptors.   |
| Unsustainable land/resource use e.g. overharvesting of plants | Moderate                            | All migratory species in all habitats  |
| Mineral exploration/extraction                                | Low-moderate                        | All migratory species, esp. bustards, ground nesting passerines  |
| Sand mining from rivers                                       | Moderate                            | Ground-nesting waterbirds (Indian Skimmer, Black-bellied Tern, River Tern) and landbirds (larks, bee-eaters)                       |
| Marine/coastal debris (including plastics)                    | Moderate                            | Coastal waterbirds (gulls, terns, herons and waders), seabirds   |
| Other forms of solid or liquid pollution                      | Moderate                            | Farmland birds, waterbirds, and raptors.   |
| Too much/too little water                                     | Severe-moderate                     | All migratory species  |
| Fire damage to habitat  | Moderate                            | Forest-dependent and grassland birds. fires to remove agricultural stubble affects forest and farmland dependent breeding species. |

Further details per country in Annexe 9

In most countries, agricultural lands are used by many migratory species, landbirds, raptors and waterbirds. Intensification of agriculture with increased use of agrochemicals and pesticides impacts a range of migratory birds that use these habitats (also see direct threats below).

On the other hand, abandonment of agriculture in Russia and Kazakhstan is also having negative impacts on the breeding habitats of species such as the Critically Endangered Sociable Lapwing (Kamp *et al.* 2011, Sheldon *et al.* 2012), which largely depends on pasture lands, agricultural lands and other open habitat through its annual cycle; although these new habitats might favour other species.

Information on changes to waterbird populations (dependent on various wetlands across their annual cycle), with many in decline at the decadal level, is available from the citizen-science-led Asian Waterbird Census reports (Li *et al.* 2019). Similar data for most landbirds, including forest species within the CAF, is unavailable.

## **b. Direct threats to birds**

### **i. Unsustainable and illegal killing, capturing and trade of migratory birds, their young and eggs**

The illegal capture and local trade of wild birds for food by local people across the region has been a traditional source of protein for some communities (e.g. Bahadur *et al.* 2023, Hussain and Khan 2023; Yong *et al.* 2021). Estimates of the scale of illegal hunting and capturing are limited in different countries based on the consultation, with perceptions of the overall relative severity of impacts ranging from low to severe. Preliminary estimates of birds that are illegally killed/taken annually reveals an estimated take of at least seven million individuals based on information for some CAF countries (Table 9). As information is incomplete and not available for all CAF countries where large numbers are known to be taken, this estimate may be considered a minimum. Both migratory and resident species are targeted based on timing of and availability of species (for e.g. in Bangladesh - BirdLife International, in prep, India - Ahmed, 2017, Iran – Noghani, 2023, and in Nepal - Katuwal *et al.* 2023).

In Iraq, Al Kerwi *et al.* (2022) reported that the emergence of some non-traditional methods of hunting by bird hunters, such as the establishment of artificial waterbodies to attract waterfowl, has led to large numbers of deaths. The lack of legal oversight and accountability and the tendency of hunters to operate in under-monitored areas increase the impact on wild bird populations. From one assessment of the Arabian Peninsula, in Iran and Iraq (Brochet *et al.* 2019a), an estimated 879,000–3,100,000 Passerines, 607,000–1,100,000 Waterbirds/ Seabirds, 168,000–421,000 Gamebirds (bustards, partridge, sandgrouse), 3,300–11,700 Raptors and 6,800–30,100 other birds were illegally killed or captured per year. These included a wide variety of species, including some globally threatened (5,000–15,000 individuals of the Near Threatened Marbled Teal and up to 325 of the Critically Endangered Sociable Lapwing annually).

While in Bangladesh, a recent survey reveals that more 250 migratory and resident species of birds are hunted, the majority for recreation hunting and for domestic consumption, especially by rural and indigenous communities (BirdLife International, in prep). Recreation hunters are reported to use mainly air guns and slingshots to hunt herons, pigeons, starlings, and bulbuls. In the “haors” low-lying seasonal wetlands of northern Bangladesh, migratory Northern Pintail is among the most trapped species using poison baits, alongside other migratory duck species such as Gadwall, Ruddy Shelduck and Ferruginous Duck that are sold to local markets and restaurants. Professional or seasonal hunters operating in rural Bangladesh are known to use different traps and lures to capture pigeons, herons, as well as several species of rails, which are then traded at local markets or along village streets. A minority of the species (6.1%) are regularly traded in Bangladesh’s cagebird trade, but formed the majority of species taken from the wild (up to 45,000 individuals per annum), and include mostly parakeets, munias, starlings and pigeons.

**Table 9.** Overview of individual birds illegally killed/taken in the CAF

| Country       | Mean estimated no. of individual birds illegally killed/taken |                     |
|---------------|---|---------------------|
|               | per year  | (min – max)         |
| Azerbaijan    | 594,000   | 191,000–997,000     |
| Armenia       | 41,000  | 24,300–57,700       |
| Bahrain       | 2,700   | 1900–3400           |
| Bangladesh    | 45,000  | 45,000–             |
| Georgia       | 22,900  | 8,600–37,100        |
| India         | 1,350,000   | 64,800–             |
| Iran*         | 801,000   | 598,000–1,000,000   |
| Iraq          | 329,000   | 135,000–524,000     |
| Kuwait        | 23,600  | 13,200–34,000       |
| Myanmar       | 2,118,300   | 525,600 – 3,711,000 |
| Oman          | 7,800   | 1,100–14,400        |
| Qatar         | 13,500  | 600–26,400          |
| Saudi Arabia* | 1,700,000   | 708,000–2,700,000   |
| Yemen         | 273,000   | 207,000–339,000     |
| <b>Total</b>  | <b>7,321,800</b>  |                     |

\* *Partial coverage*

From feedback in the national questionnaires (Table 10), the illegal capture of different species of birds (and their young) takes place in nearly all CAF countries, reflecting weaknesses in legislation and enforcement. Illegal taking and killing of birds by shooting, trapping and poisoning are reported for the purposes of (a) recreation/sport, (b) food, (c) pet trade, (d) merit release as part of religious customs, € “traditional medicine”, and (f) persecution due to conflict with aquaculture and agriculture.

**Table 10.** CAF species that face threats and pressures from hunting and capturing and the different methods used to hunt/capture, based on the national questionnaires. (for sources see text)

| Threat and pressure   | Main methods   | Species or species groups affected   |
|---|--|--|
| Killing or taking birds or eggs for recreation/ sport       | Shooting, trapping (nets), poisoning   | Waterbirds (cranes, ducks, geese, passerines, flamingo, waders), Landbirds (Asian Houbara, Great Bustard and Little Bustard), Raptors (vultures, eagles and falcons),  |
| Killing, taking, trading birds or eggs for food             | Shooting, trapping (nets), poisoning   | Waterbirds (cranes, ducks, geese, passerines, flamingo, waders), Landbirds (Asian Houbara), Raptors (vultures, eagles and falcons)   |
| Persecution   | Shooting, poisoning  | Raptors killed by pigeon fanciers.   |
| Persecution (Superstition)                                  | Shooting, trapping (nets), poisoning   | Waterbirds (Great Cormorant, Dalmatian Pelican), Raptors (eagles, Eurasian Eagle Owl, Cinereous Vulture, vultures, owls)   |
| Cagebird trade  | Trapping (nets)  | Landbirds, Raptors (falcons), and Waterbirds (cranes).   |
| Belief-based use (e.g. merit release, traditional medicine) | Trapping (nets), shooting  | Landbirds (sparrows), Waterbirds (pelicans)  |
| Persecution (Human/ wild bird conflict in agriculture)      | Shooting, trapping, poisoning and crop protection measures (nets in crop fields) | Landbirds (grain and fruit eating species of Yellow-breasted Bunting, buntings, doves, and cuckoos, starlings, warblers and Common Raven), Raptors (owls), Waterbirds (ducks, ibises, storks, herons, egrets and shorebirds) |

| Threat and pressure                                    | Main methods  | Species or species groups affected   |
|--|---|--|
| Persecution (Human/ wild bird conflict in aquaculture) | Shooting, trapping, poisoning and crop protection measures (nets in fish and shrimp farms)  | Waterbirds (Great Cormorant, egrets, ibises, storks, ducks, shorebirds), Raptors (Osprey), small migratory passerines, and owls. |
| Bycatch in inland wetlands                             | Nets  | Waterbirds (Oriental Darter, grebes, goose, ruddy shelduck, ducks, coots, swamphen, gulls).                                      |
| Bycatch in agricultural lands                          | Direct mortality of incubating adults and chicks through crushing by agricultural machinery | Landbirds (bustards and quails)  |
| Bycatch in coastal and marine waters                   | Nets  | Waterbirds (Socotra Cormorant, other cormorants, ducks, egrets, Whimbrel, Eurasian Curlew and other waders)                      |

Threatened species taken illegally include the Critically Endangered Yellow-breasted Bunting, the Dalmatian Pelican (west Mongolian breeding population), and the Vulnerable Asian Houbara. Legal and illegal capture of falcons for falconry is reported in some countries. Illegal killing of falcons by pigeon fanciers is also reported as a threat in some countries.

In Central and West Asia, poisoning is the biggest threat to Egyptian Vultures. In most cases, the vultures are not the targeted species but victims of intentional poisoning of predators or other animals that cause economic damage (Nikolov *et al.* 2018). In addition, shepherds are reported to shoot or destroy vulture nests because they consider them predators of lambs (Kashkarov *et al.* 2011).

The use of raptor feathers and body parts has been reported in shamanistic practices. Some organs of eagles, vultures, crows and owls are reportedly used for adorning shaman dresses and religious tools in Mongolia.

Information provided on the persecution of migratory birds due to their potential conflict with agriculture or aquaculture is difficult to separate from bycatch, defined here as “birds that are caught accidentally in fish nets or fishing lines or nets used to protect fruit, vegetable or other crops or aquaculture”. The threat is considered severe in some traditional fishing areas, such as the Hakaluki Haor Ramsar Site and the wider inland floodplain region in Bangladesh.

As species identification and differentiation of migratory and resident species can be difficult, both types are listed in the responses to the national questionnaire (see Table 10 for examples of migratory species), requiring further validation. A more systematic national tracking system that includes rigorous identification of species, methods of capture and scale would support a more robust flyway assessment.

## ii. Collisions and electrocution with man-made structures

Accidental deaths of migratory birds through collision (and electrocution) with power lines, wind turbines, gas flares, and buildings/built-up structures are being reported in nearly all countries for a wide variety of large and small-sized species, including threatened species (see Table 11).

**Table 11.** Species and species groups in the CAF that face threats and pressures from energy infrastructure based on the national questionnaires

| Threat and pressure                          | Species/species groups affected   |
|--|---|
| Collision with power lines                   | Raptors (Pallas's Fish-eagle, vultures), Waterbirds (Black-necked Crane and other cranes, flamingos, swans, ducks, egrets, crakes, gulls), and Landbirds (Great Indian Bustard, Pallas's Sandgrouse, larks, kingfishers). |
| Electrocution by power lines                 | Raptors (Pallas's Fish-eagle, vultures), Waterbirds (Black-necked Crane and other cranes, storks, flamingos, swans,)  |
| Collision with wind turbines                 | Raptors, Waterbirds, Landbirds  |
| Collision with buildings/built up structures | Landbirds (green pigeons, bulbuls, doves, crows, woodpeckers, barbets, pittas, spider hunters and orioles, quails, nightjars), Waterbirds (waders, bitterns), Raptors (Levant Sparrowhawk)                                |
| Collision with other structures              | Raptors (Pallas's Fish-eagle, vultures), Waterbirds (egrets).   |

Estimates of the scale of annual deaths are limited in different countries, with perceptions of the overall relative severity of impacts ranging from low to severe (see details in individual country reports). However, as the scale of linear infrastructure development (power lines) has accelerated in the flyway, the risk has increased for migratory birds, such as most bustard and florican species (Collar *et al.* 2017), including the Critically Endangered Great Indian Bustard, Bengal Florican and Lesser Florican (India), Vulnerable Asian Houbara and Great Bustard (Mongolia and China) and Critically Endangered Pallas's Fish-eagle (Bangladesh), with mass mortalities being reported for some species (e.g. Pallas's Sandgrouse (Nyambayar *et al.* 2016) and raptors in Mongolia (Dixon *et al.* 2013), Russia and Kazakhstan (Dwyer *et al.* 2023). On the other hand, collision and electrocution is not considered an issue in the Maldives, where there are few overhead power lines.

### iii. Human disturbance and disruption to migratory birds or their habitats

**Human disturbance:** Across the CAF, migratory birds share their breeding, staging and non-breeding habitats with local people, often living in high densities. As many species of migratory birds tend to flock in large numbers and mixed groups, they can be very sensitive to disturbances from the presence of people and their activities. Disturbance is any activity that risks disrupting the feeding, breeding, roosting or other behaviour of the birds or that increases their stress levels to a degree that affects their nutrition, reproduction or life expectancy.

While there are no detailed studies on the impact of disturbance on migratory birds within the CAF, feedback from the national questionnaires identified agriculture and fishing, recreation, religious and other types of tourism as activities that may affect the birds. Disturbance may be a major issue during breeding season, as the presence of humans may scare away adults and allow predators to take eggs and young. For more sensitive species, such as raptors, even recreational activities, such as hiking, climbing, and paragliding, are known to have a significant negative impact (Martínez-Abraín *et al.* 2010 and Tobajas *et al.* 2022). In addition, disturbance can have severe consequences for migratory waders that forage and roost in the coastal mudflats (Das *et al.* 2022 a & b, Jackson *et al.* 2020). Additionally, domestic dogs are reported as an increasing source of disturbance and predation to migratory waterbirds (Mundkur & Langendoen 2019), bustards (Collar *et al.* 2017) and other species. Non-recreational operations (mining, logging, construction, energy extraction, etc.) can also indirectly impact breeding populations as they increase the flow of people and activities in an area. Military activity is also a common disturbance that can negatively affect bird reproduction rates (summarised in Nikolov *et al.* 2016), although restricted public access to military areas provide protection to some species.

**Table 11.** Summary of information on species affected by each threat and examples from different countries based on the national questionnaires

| Threat and pressure                            | Species/species groups affected  | Anecdotal information on threats   |
|--|--|--|
| Disturbance to breeding areas                  | Raptors (vultures and Pallas's Fish-eagle), Waterbirds (White-bellied Heron, herons, egrets, storks, bitterns, flamingo, Sarus Crane, jacanas, coots, Watercock, Cotton Pygmy-goose, African Comb Duck, Spot-billed Duck, Ruddy Shelduck and ducks, waders), Landbirds (pittas, cuckoos, flycatchers, bustards), Seabirds. | Fishing industry, agriculture, and tourism cause disturbance. Pilgrimage by people visiting high altitude lakes in Bhutan during the breeding season. Nesting areas of birds are affected by people, livestock, or feral dogs (Bhutan, India). Rat-infestation of islands are a huge threat to seabird colonies (British Indian Ocean Territories) Agricultural practices affect breeding bustards (Collar <i>et al.</i> 2017).                            |
| Disturbance to feeding areas                   | Raptors (vultures and Pallas's Fish-eagle), Waterbirds (Ruddy Shelduck White-bellied Heron, cranes, waders, ducks, storks, Indian Skimmer, geese, waders, jacanas, Watercock), Landbirds (buntings, flycatchers and cuckoos).  | Severe for migratory waders in the coastal mudflats in Bangladesh (Das <i>et al.</i> 2022 a & b). Fishing industry, agriculture, and tourism cause disturbance. Sometimes recreational activities cause some disturbances in major lakes, especially during summer holiday season. Infrastructure development, illegal fishing activity, and recreational activities. People passing by and dogs, extraction of sand and boulders from banks of riverbeds. |
| Disturbance to roosting areas                  | Raptors (vultures), Waterbirds (shorebirds, storks, Indian Skimmer, Black-necked Crane). Waterbirds (waders in the coastal mudflats of Bangladesh).  |  |
| Afforestation in non-forest habitats           | Landbirds (bustards in grasslands), Waterbirds (Black-necked Crane inland marshes, waders in the coastal mudflats)   | Forest species plantation in open grasslands (India) and mangroves in open mudflats. Loss of suitable non-breeding habitat for Black-necked Crane due to bamboo plantation in wetlands (Bhutan)  |
| Alien invasive species (incl. plants, animals) | Landbirds (bustards, sandgrouse)   | <i>Prosopis</i> affecting breeding and non-breeding habitat of Great Indian Bustard, Asian Houbara, and other species dependent on grasslands and open scrub forests (India).  |
| Light pollution                                | Raptors (Pallas's Fish Eagle), Waterbirds (Ruddy Shelduck, Eurasian Curlew, Great Cormorant, Common Pochard and Black-necked Crane).   | Recreational activities and urban area development.  |

**Invasive species:** while there is growing awareness of the spread of invasive species worldwide, alien (non-native) plants and animals are being increasingly reported within the CAF region; few studies have assessed their impacts on the region's migratory birds.

Mesquite (*Prosopis juliflora*) has taken over grasslands and open scrub forests in India and Pakistan in recent decades. It is likely to have impacted species dependent on such habitats as the Vulnerable Asian Houbara, the Critically Endangered Great Indian Bustard, sandgrouse, and buntings. For example, Mesquite has been predicted to occupy over 56% of the Banni grasslands of Gujarat in west India (Kumar *et al.* 2015, Manjunatha *et al.* 2023), an important area for the Asian Houbara and Great Indian Bustard. While providing some livelihood options to local people, Mesquite can alter the services that the native ecosystems provide to these communities. Altering the composition of the natural vegetation cover can impact the soil quality and grazing potential and the hydrological dynamics and water supply (Shackleton *et al.* 2014).

Szabo & Mundkur (2017) have reported freshwater lakes and rivers choked by Water Hyacinth *Eichhornia crassipes*, reducing feeding and roosting habitat for ducks and other open-water waterbird species, open water for water flows, sunlight for native aquatic plants and oxygen for fish.

**Light pollution:** artificial lighting negatively affects a bird's navigation at night and can cause them to fly into lighthouses, illuminated buildings, towers and other manmade structures (Cabrera-Cruz *et al.* 2018). The increasing electrification of urban and rural areas and highways has increased the artificial light across large landscape stretches, particularly in many central and southern parts of the CAF in the last decades. Nevertheless, the impacts of light pollution on migratory birds are not adequately recognised or addressed in the CAF and require further research.

#### iv. Other causes of mortality

**Poisoning:** in addition to the aforementioned intentional poisoning by farmers who consider them pests or threats to livestock, birds suffer other unintentional poisoning risks. These include the incidental intake of: (a) agrochemicals (pesticides, fungicides, algicides) through accidental/indirect poisoning from toxic substances or where poisons are being used to intentionally kill wild birds, (b) veterinary pharmaceutical treatments like (Non-Steroidal Anti-inflammatory drugs (NSAIDs) (e.g. diclofenac) to cattle whose corpses are consumed by vultures, to which these drugs are poisonous), (c) lead for hunting and fishing, (d) unintentional secondary poisoning of vultures resulting from the legal/illegal/improper intensive use of rodenticides (Nikolov *et al.* 2018) and owls (Cooke *et al.* 2023), and (e) heavy metals and other chemicals through biomagnification, known to affect waterbirds, bustards and others.

Species reported in the national questionnaires as being affected by poisoning include raptors (White-tailed Sea-eagle), waterbirds (Great Cormorant, cranes, herons, storks, coots, ducks, geese, egrets, gulls and waders), grain and fruit-eating passerines (bulbuls, cuckoos, doves, mynas, pipits, sparrows, starlings, and wagtails), and other small migratory landbirds, bustards, and breeding seabirds. Estimates of annual deaths are limited, with perceptions of relative severity ranging from unknown to severe (see details in individual country reports).

**Plastics:** some groups of migratory birds are susceptible to impacts from plastic pollution due to their specific behaviours (Horton & Blissett 2021). Examples include the unintentional contact and entanglement, intentional use of plastics as nest building materials and microplastic ingestion by adults and juveniles.

**Avian diseases:** a range of zoonotic viral, bacterial and other diseases are reported to occur in migratory birds, including Highly Pathogenic Avian Influenza (HPAI) and avian botulism in waterbirds (Ruddy Shelduck and other ducks, Bar-headed Goose). HPAI in migratory birds has been the focus of much research in the past two decades, given its association with the loss of domestic poultry and human deaths (e.g. Bridge *et al.* 2014, Gilbert *et al.* 2010, Iverson *et al.* 2011).

**Changes and declines in food availability:** impacts of changes in food composition or availability for migratory birds have not been widely reported in the CAF region, but some studies have provided representative evidence. Andevski *et al.* (2017) have reported a decline in herbivore populations – both wildlife and livestock – with a consequential reduction in the number of wild carcasses, impacting the Cinereous Vulture's breeding success. Similarly, the decline of bees and other insect populations in agriculture and forestry areas from intense pesticide use is well documented as lowering food availability for insectivorous birds and bustards in the CAF.

#### i. Climate change

The CAF region is particularly vulnerable to climate change, with geographical variations (IPCC 2022). The region experiences an increased threat of extreme weather events such as heatwaves, droughts, forest fires, flooding, storms, coastal swells, and coastal erosion in the monsoon regions of South,



Southeast and East Asia. Increased rainfall and higher temperatures have caused the melting of 30% of its glaciers over the past 60 years, increasing the risk of floods and landslides in the Himalayan region (IPCC 2022; ADB 2022). Desert landscapes have increased by up to 100 km northward since the 1980s in parts of Uzbekistan, southern Kazakhstan, Kyrgyzstan and northwest China (Guglielmi 2022; Hu & Han 2022). Recent years have seen an increase in the drying of wetlands, such as that experienced by the high-altitude lakes of the Pamir in Tajikistan, the Tengiz-Korgalzhyn and Alakol-Sasykkol lake systems and the delta of the Ural River in Kazakhstan<sup>29</sup>, although wetlands in the region are known to be subject to long term hydrological cycles. Sea level rise also risks causing the irreversible loss of marine, coastal and intertidal habitats, such as tidal marshes, in the region, especially at a 2°C increase scenario (IPCC 2022). These impacts are altering marine, terrestrial and freshwater ecosystems worldwide, with impacts to local species, increases in disease and mass mortality events, including across the CAF (IPCC 2022).

Climate change poses a significant threat to migratory birds. The most immediate threats will be the loss of vital habitat from increased desertification and flooding from glacial, sea ice and tundra permafrost melts, as well as the collapse of food webs in the oceans linked to changing zooplankton abundance (McNamara 2010). Most species are expected to respond by shifting distributions towards the poles or higher elevations. The Arctic coastline could soon constrain these northward shifts, resulting in habitat constricting for these species (Wauchope *et al.* 2017).

Temperature increases can also change the timing of migration patterns. In addition to species choosing to avoid areas outside their temperature and humidity comfort ranges, the potential phenological mismatch between peaks of food demand and availability may shift the moment of migration and the consequent distribution of species over seasons (Seri & Rahman 2021). However, there is a limit to how much a species' distribution can shift, and changes in migratory and breeding cycles can lead to disrupted relationships between predators, prey, and competitors, affecting survival rates (BirdLife International, 2022).

Changes in precipitation and occurrence of extreme weather conditions will also significantly impact migratory species, as they may cause a reduction in key habitats, such as wetlands and wet grasslands, and food distribution and abundance (McNamara 2020). Losses of these valuable habitats will significantly impact migratory species feeding and breeding in the CAF. The changes in ocean circulations will also make migration routes difficult for species that depend on specific currents to feed or aid in the migration (McNamara 2010). Climate change is also impacting species' physiology, with reductions in size, differences in sex ratios, and increasing metabolic costs (Scheffers *et al.* 2016; Seri & Rahman 2021).

Key migratory species currently at threat from climate change include the Asian Houbara and Sociable Lapwing, which are affected by changes in ecosystem structures on the migratory routes (McNamara 2010; Frenette-Dussault *et al.* 2013; BirdLife International 2023). A more systematic process to identify species at risk due to climate change is required for the CAF.

#### **j. Raising Awareness and Communication**

Awareness of the benefits of and threats to migratory birds and their habitats is essential for the long-term success of conservation efforts. It forms the foundation for the support of relevant legislation and its effective implementation in each country.

<sup>29</sup> NDP (2021). Protection of migratory birds and their habitats for people and the planet. <https://www.undp.org/kazakhstan/stories/protection-migratory-birds-and-their-habitats-people-and-planet>

From the feedback received, at a national level, general awareness amongst stakeholders in the CAF countries varies from low to moderate (Table 13). A range of awareness-raising programmes in the last three years have been reported to have positively impacted the local population's perception of the value and conservation needs of migratory birds.

**Table 13.** Awareness levels about migratory birds and their habitats by different stakeholder groups along the CAF based on the national questionnaires

| Stakeholder  | Overall level of awareness |
|--|----------------------------|
| National authorities responsible for habitat and migratory bird management | Moderate                   |
| Local authorities responsible for habitat and migratory bird management    | Moderate                   |
| General urban adult population   | Low                        |
| General rural adult population   | Low                        |
| School and college children  | Low                        |

*Further details per country in Annexe 10*

Activities range from awareness campaigns targeting different audiences; annual celebrations of the World Migratory Birds Day, World Wetlands Day, and bird festivals including cranes, eagles, shorebirds, swans and other species; and other national and local events, ranging from improved school curricula to improved information sheets at nature visitor centres, reserves and other sites. The recent increase in traditional and social media access has also helped increase awareness. From the feedback received, at a national level, the success of these awareness-raising activities has ranged from moderate to slightly positive (Table 14). Nevertheless, there is a persistent need for resources to increase awareness across the flyway, as highlighted in some countries (e.g. Yemen).

**Table 14.** Success levels of awareness-raising activities in CAF countries in the past three years based on the national questionnaires

| Awareness raising activities implemented in the last three years   | Success of awareness actions in achieving impact |
|--|--|
| Public awareness-raising campaigns                                 | moderately positive                              |
| Teaching programmes in schools or colleges                         | moderately positive                              |
| Community-based celebrations, exhibitions and other events         | moderately positive                              |
| Press and media publicity, including social media                  | moderately positive                              |
| Interpretation at nature visitor centres, reserves and other sites | moderately positive                              |
| Dissemination of special publications, information resources       | Slightly positive                                |

*Further details per country in Annexe 11*

#### k. Capacity for research and conservation action

Considering the limited research conducted and information available in the flyway region, it does not come as a surprise that the result from the national questionnaire on the overall capacity of countries for migratory bird research, monitoring and implementation of conservation action was moderate to low across the different stakeholders.

**Table 15.** Overall capacity for stakeholder groups along the CAF to conduct specific activities to conserve migratory birds as per the national questionnaires

| Stakeholder group  | Overall capacity for migratory bird research | Overall capacity for bird monitoring | Overall capacity to implement conservation action | Additional Comments  |
|--|--|--------------------------------------|---|--|
| National authorities responsible for habitat and migratory bird management | Low  | Low                                  | Moderate  |  |
| Local authorities responsible for habitat and migratory bird management    | Low  | Low                                  | Low   |  |
| Research Institutions  | Moderate                                     | Moderate                             | Low   | Increasing quality in last decade, but need improving (Mongolia) |
| Universities   | Moderate                                     | Moderate                             | Low   | Decreasing quality (Mongolia)                                    |
| Schools  | Low  | Low                                  | Low   |  |
| NGOs   | Moderate                                     | Moderate                             | Moderate  | Resources limited (Nepal)  |
| Volunteers / birding community   | Low  | Moderate                             | Low   | No active birding community (Maldives)                           |
| Local communities  | Low  | Low                                  | Low   |  |

*Further details per country in Annexes 12, 13 and 14*

As per the African–Eurasian Landbird Action Plan, presently in parts of Central Asia and the Middle East, there is a need to build capacity among the national agencies to collate data and develop or revive their national databases, with a focus on online resources that can make that data more widely accessible. The Action Plan has outlined actions needed to build capacity and improve the exchange of information, collaboration and coordination between researchers studying migratory landbird species.

## 4. Taking conservation action





## 4. Taking conservation action

### a. *International Cooperation*

International cooperation takes many forms. Governments participate in international MEAs, such as the CBD, Ramsar, and – of particular relevance to migratory species – the CMS. International and national NGOs partner to deliver local projects over multiple regions. Universities collaborate with researchers in other countries to reveal the flyways of particular species.

Integration is key to understanding and meeting the conservation needs of migratory birds and their habitats, but bringing these groups from different countries to work under a shared framework is challenging. Formally or not, process consolidation would help build a participatory and decision-useful initiative in the region. This requires an incremental approach, building on successes, best practices and opportunities for engagement.

#### a. MEA frameworks

*i. Conventions.* All 30 CAF countries are Contracting Parties to global and regional multilateral environmental agreements, particularly the Convention on Biological Diversity (CBD) and the United Nations Framework Convention on Climate Change (UNFCCC). At the same time, a majority (86%) are party to the Ramsar Convention on Wetlands, and about 73% are party to the Convention on Migratory Species (CMS) (see Table 16). Most countries (83%) are also party to the United Nations Convention to Combat Desertification (UNCCD) – relevant to habitats important to migratory birds – and the Convention on the International Trade in Endangered Species (CITES) (96%).

**Table 16.** Summary of CAF range states formally involved in global conservation frameworks (as of 1 July 2023)

| Conservation framework                                      | No. of Contracting Parties/ Partners/ Signatories | Total of Range States covered | Percentage of Contracting Parties/ Partners/ Signatories |
|---|---|-------------------------------|--|
| Ramsar Convention on Wetlands                               | 26  | 30                            | 86.7%  |
| Convention on Migratory Species                             | 22  | 30                            | 73.3%  |
| Convention on the International Trade in Endangered Species | 29  | 30                            | 96.7%  |
| Convention on Biological Diversity                          | 30  | 30                            | 100.0%   |
| United Nations Framework Convention on Climate Change       | 30  | 30                            | 100.0%   |
| United Nations Convention to Combat Desertification         | 25  | 30                            | 83.3%  |

Under the CMS, 36 migratory species are listed under two Appendix I and 385 under Appendix II to prioritise their conservation. In addition, CMS’s global “Programme of Work on Migratory Birds and Flyways” (POW) for the period 2014-2023<sup>30</sup> has prioritised the need for international collaboration and conservation of migratory birds and their habitats in the CAF with four major objectives:

1. Strengthen the formal framework for the conservation of migratory waterbirds through increased synergies with AEWA.
2. Strengthen the implementation of the Western/Central Asian Site Network for the Siberian Crane and Other Migratory Waterbirds.
3. Establish the Action Plan and the formal implementation framework for the conservation of landbirds (as part of the African–Eurasian Landbird Action Plan).
4. Strengthen the implementation of Raptor MoU in the Central Asian flyway region.

The POW also identifies the need to improve the monitoring of waterbird populations (status and trends) in the CAF, including capacity building.

Several CMS Resolutions prioritise addressing direct and indirect threats to migratory birds and their habitats (Annex 15). Recognising the importance of habitat management for migratory birds, CMS Resolution 10.3 on *The Role of Ecological Networks in the Conservation of Migratory Species* calls on Parties to consider the network approach in implementing CMS instruments and initiatives. It invites Parties, Range States, and other relevant organisations to identify, designate and maintain comprehensive and coherent ecological networks of protected sites and other adequately managed sites of national and international importance for migratory birds.

Most MEAs, including the CMS<sup>31</sup> and the Ramsar Convention, have called for synergies and partnerships with other MEAs, international, national and local stakeholders to meet the conservation targets, including actions for conservation of CAF migrants and their habitats.

CMS Resolution 12.11 (Rev.COP13) *Flyways in 2020*<sup>32</sup> has welcomed the continuation of a process to develop an institutional instrument under CMS “to support the implementation of increased conservation action for migratory birds and their habitats in the CAF, as well as to support this initiative with resources, in coordination with the existing CMS avian-related instruments”.

**b. Migratory bird frameworks.** Besides MEAs, the CAF falls within the range of four major migratory bird conservation frameworks under the CMS family (Table 17). Only 31% of range states have signed up to the AEWA, which covers the CAF’s northern, central and western parts, and 33% to the African–Eurasian Raptors MOU. In 2006, all range states of the Central Asian Waterbird Action Plan, to which CMS Parties, have signed up. In addition, the East Asian–Australasian Flyway Partnership provides an informal multi-stakeholder approach to conserving migratory birds and their habitats. Details of the current status of countries participating in the most important treaties and initiatives for the CAF are listed in Annex 1.

30 CMS Res 12.11 (Rev.COP13) Flyways <https://www.cms.int/en/document/flyways-4>

31 CMS Res 11.10 (Rev.COP13) Synergies and Partnerships <https://www.cms.int/en/document/synergies-and-partnerships-9>

32 CMS Res 12.11 (Rev.COP13) Flyways <https://www.cms.int/en/document/flyways-4>

**Table 17.** Summary of major regional frameworks and action plans covering migratory birds of the CAF (as of 1 July 2023)

| Framework (f) /action plan (a) (year established) | No of migratory species covered  | Geographic scope   | CAF range states formally involved |
|---|--|--|------------------------------------|
| Raptors MoU <sup>†</sup> (2008)                   | 76   | Including Africa, Europe east to Russia, Mongolia, China and south Asia (not Myanmar);   | 9 of 27                            |
| AEWA <sup>†</sup> (1995)                          | 255  | 118 countries, including Russia, Central and south west Asia   | 5 of 16                            |
| EAAFP <sup>†</sup> (2006)                         | 276 biogeographic populations, including at least 12 that overlap with CAF | Covers Asian Russia to Alaska through East & SE Asia to Australasia. Overlaps with northern and eastern side of the CAF (breeding and staging areas) - involves Bangladesh China, Mongolia, Myanmar and Russia <sup>33</sup> . | 5 of 5                             |
| CAF Waterbird Action Plan <sup>a</sup> (2006)     | 279 biogeographic populations of 182 species                               | 30 CAF countries, see Fig 1, section 1.  | -                                  |
| AEMLAP <sup>a</sup> (2014)                        | 246  | Including Africa, Europe east to Russia, Mongolia and south Asia (not Bangladesh)  | 28 of 30                           |

Each of these frameworks has produced a list of prioritised actions. These actions are based on the needs of the species groups and the threats to them and their habitats and are expected to be implemented within varying time frames (see Annex 16 for details). The sustainable management of migratory bird species must be developed alongside national laws and administrative mechanisms to oversee their implementation. They are being developed in overlapping flyways – including geese populations under the AEWA covering part of north, central and southwest Asia.

The CMS MOU for the Siberian Crane (1991) and associated conservation action plans is one of the first species-focused international mechanisms in the CAF to engage governments, research institutions, NGOs and local groups in all range states. It covers the breeding grounds in northern Russia, the Central Asian staging sites, and its non-breeding grounds in Iran and India. These plans kickstarted a major UNEP GEF multi-year project led by the International Crane Foundation and CMS (Prentice *et al.* 2006). The project implemented surveys, colour marking and tracking, field monitoring, local awareness-raising activities and conservation action to conserve wetlands. It brought together stakeholders in regular meetings and enabled information exchange amongst countries along the flyway. Ultimately, it laid the foundation for the West–Central Asian Flyway Site Network for the Siberian Crane and other waterbirds in 2007 to focus attention on the management of a coherent network of sites along the flyways. Although the species has been functionally lost in the west and central Asian flyways in the last decades, the actions undertaken were valuable lessons for conservation action for other species.

Under the Arctic Council, the Arctic Migratory Bird Initiative provides a cooperative framework for the conservation of birds breeding in the Arctic that migrate to the CAF region and other global flyways. While Russia is the only CAF signatory, flyway plans and projects on migratory species are being developed with observer countries, including India. Armenia and Georgia, two CAF countries, also participate in the Convention on the Conservation of European Wildlife and Natural Habitats (Bern Convention).

At least two regional and subregional agreements/frameworks for environmental cooperation cover migratory birds within their mandate: the Gulf Cooperation Council (GCC) and the South Asian

33 India (particularly eastern part and Andaman & Nicobar islands) falls within staging & non-breeding ranges of many migratory waterbird populations of the EAAF, particularly along western EAAF boundary, but has yet to consider formal involvement in the Partnership.

Cooperative Environmental Programme (SACEP). These could be encouraged to support conservation action for CAF species and their habitats.

Countries of the CAF also participate in various bilateral agreements to promote the conservation of species and habitats. For example, the Russia–India agreement was signed in 1984 (during the Soviet Union, which, at the time, included all the Central Asian Republics), under which both countries have undertaken various collaborative actions. This review has not attempted to document all existing bilateral agreements.

There is also the potential for more international cooperation in finding and implementing solutions to shared problems within the CAF. Few active task forces are covering this region, such as the CMS Energy Task Force, a multi-stakeholder platform that brings together governments, multilateral environmental agreements, investors, the private sector and non-governmental organisations with an aim of avoiding and minimising negative impacts of energy developments on migratory species<sup>34</sup>. Their value has been shown in other flyways, such as the work to tackle illegal killing by the CMS Intergovernmental Task Force on Illegal Killing, Taking and Trade of Migratory Birds in the Mediterranean<sup>35</sup>. There is great potential for sharing experiences and best practices within and between flyways, as has been recognised through the Global Interflyway Network<sup>36</sup>. Likewise, sharing experience with the CMS Central Asian Mammals Initiative<sup>37</sup> could be fruitful, as they share similar threats (e.g. habitat management and illegal killing).

The main challenges lie in translating these international commitments into national and local actions within a useful timeframe.

**c. Conservation action plans for migratory species** provide a framework for collaboration. Several action plans have been developed under CMS, AEWA, EAAFP and similar frameworks. These are available for at least 20 threatened and near-threatened species and species groups – such as vultures, with development of additional plans underway (see Annex 17). These flyway-scale plans enable multiple national and international stakeholders to collaborate across the species' range under common priorities and to collectively build the knowledge on the species' status, key threats and lessons learnt.

As outlined above, multiple frameworks cover differing geographic regions with different priorities, governance mechanisms and timeframes for action. There are also many collaborative informal and semi-formal research and other citizen-science-led initiatives underway that support conservation efforts of migratory birds and their habitats in the CAF. **As such, an international multi stakeholder flyway-wide framework for conserving migratory birds and their habitats is urgently needed to streamline action, strengthen cooperation and solidify resources.**

#### **b. National legislation and policies for migratory species and their habitats**

This review covers a wide range of migratory species across many countries, including species traditionally hunted or captured and used for falconry. Based on the national questionnaires (details in Annex 18):

- Twenty-six countries in CAF have confirmed national legislation that covers the protection and management of birds, including migratory species.

<sup>34</sup> <https://www.cms.int/en/taskforce/energy-task-force>

<sup>35</sup> <https://www.cms.int/en/taskforce/mikt>

<sup>36</sup> <https://www.cms.int/en/news/publication-global-interflyway-network-launched-ramsar-cop>

<sup>37</sup> <https://www.cms.int/cami/en>



- It is unclear whether separate legislation exists for migratory species in all countries.
- Pakistan has only provincial legislation defining what species and numbers of birds can be hunted; the development of national legislation is underway.
- While all species are protected in Nepal, a few species, including the Bengal Florican, Lesser Florican, Sarus Crane, White Stork and Black Stork, are prioritised for conservation action.
- About half the countries reported adequate national and local legislation to protect migratory birds. These might not be effectively enforced since illegal killing is reported in nearly all countries (see section 3).
- Legislation that details what species of migratory birds can be hunted is reported in at least five countries.
- In Myanmar, while lacking a specific list of migratory species, hunting is permitted, except in protected areas and for certain protected species.
- In Mongolia, while geese and ducks are designated as game birds by law, there is no specific list of huntable migratory species. However, with little bird hunting tradition, few birds appear to be effectively hunted.
- While national legislation exists in Afghanistan, proper enforcement of the legal framework is reported as challenging.
- In addition to hunting, the legal collection of eggs of migratory species for food or other purposes is permitted in seven countries. In Kazakhstan, where a legal provision for egg collection exists, it is practised to breed species in captivity and only with special permits. In Nepal, it is permitted only for scientific purposes.
- Recent changes to legislation around hunting are reported in Turkmenistan, where there has been a ban since the COVID-19 pandemic and all weapons were withdrawn from the population.

Additional information on threats to migratory birds from legal and illegal take is provided in section 3.5.b.i. Based on this first analysis, a comprehensive review of legislation covering protection and the legal and illegal capture of migratory species and their eggs in the CAF would provide valuable insights.

**Table 18.** The percentage of countries in the CAF with specific legislation that protects migratory bird species

| Legislation for protection and management of migratory species  | Status |
|---|--------|
| No. of countries where protection and management of migratory bird species is covered under national legislation and/or policies                        | 93%    |
| No. of countries with national and local legislation measures regarded by respondents to national questionnaires as adequate to protect migratory birds | 54%    |
| No. of countries with a specific list of huntable migratory species   | 28%    |
| No. of countries where hunting quotas are set at levels intended to be sustainable for the migratory population/species                                 | 28%    |
| No. of countries permitting legal collection of eggs of migratory species for food or other purposes.   | 27%    |
| No. of countries with adequate local enforcement of hunting legislation.  | 35%    |
| No. of countries with an adequate system for hunters to report their catch/ hunting bag.  | 22%    |

*Further details per country in Annex 19*

### c. *Implementing conservation action*

Taking short and long-term action requires the involvement and commitment of multiple stakeholders and adequate technical capacity and resources.

Across the region, stakeholders are involved in a variety of activities to conserve migratory birds and

their habitats at the local and national levels, as summarised in Table 19. Their roles and responsibilities vary by country, influenced by local political systems and structures.

**Table 19.** Activities that support migratory bird and habitat conservation in which stakeholders in the CAF are involved

| Stakeholders                          | Policy & legislation | Research | Monitoring | Conservation | Awareness raising | Capacity strengthening |
|---------------------------------------|----------------------|----------|------------|--------------|-------------------|------------------------|
| National government agencies          | x                    |          | x          |              | x                 | x                      |
| Subnational government agencies       | x                    |          | x          | x            | x                 | x                      |
| Research Institutions                 | x                    | x        | x          | x            |                   | x                      |
| Universities                          |                      | x        | x          |              |                   |                        |
| NGOs                                  | x                    | x        | x          |              | x                 | x                      |
| Birding community/ groups             |                      | x        | x          | x            | x                 |                        |
| Foundations                           |                      | x        | x          | x            | x                 | x                      |
| Corporates                            |                      | x        | x          | x            | x                 | x                      |
| International agencies/ organisations |                      | x        | x          | x            | x                 | x                      |

Based on the national questionnaire, there is varied involvement of other stakeholders. Conservation efforts range from the policy level to community-based actions and involve different stakeholders, including NGOs, research institutions and universities. Several countries identified stakeholders in all three categories (e.g. with up to four NGOs listed in Mongolia). Table 20 below provides examples of the range of actions being undertaken by government and other stakeholders for the conservation of birds and their habitats in the last five years. More details are available in the national reports.

**Table 20.** Examples of actions for migratory birds and their habitats that specific stakeholders have conducted in the past five years, as provided through the national questionnaires

| Stakeholders                    | Examples of actions for migratory birds and their habitats in the last five years  |
|---------------------------------|--|
| National government agencies    | <ul style="list-style-type: none"> <li>Assessment of new areas for conservation under AEWA (Armenia)</li> <li>National Action Plan for Conservation of Migratory birds along with Central Asian Flyway 2018-2023 (India)</li> <li>Creation and management of the National Protected Areas (Kazakhstan, Turkmenistan and Mongolia)</li> <li>Protection of Asian Houbara habitats by the Wildlife and Forestry Committee of the Ministry of Nature Resources (Kazakhstan)</li> <li>National legislation for construction of overhead power lines developed, approved and implemented nationwide (Mongolia) Identification of priority sites for nature conservation and protected area network expansion, with successful designation of some into protected areas (Mongolia)</li> <li>IBAs identified for protection (UAE)</li> <li>Preparation of nominations of internationally important wetlands for the Ramsar Convention by the State Committee for Ecology (Uzbekistan)</li> </ul> |
| Subnational government agencies | <ul style="list-style-type: none"> <li>Declaration of 28 as Ramsar sites in 2022, bringing the total to 75 wetlands, highest in Asia (India)</li> <li>Establishment of Bird rescue centre (Nepal)</li> <li>Declaration of wetlands or important sites as sanctuaries (e.g. Jagdishpur Reservoir bird sanctuary by Sudurpaschim Province authorities, and Pokhara Metropolitan and Annapurna/Rupa Rural Municipality in managing a lake cluster of Pokhara Valley) (Nepal).</li> </ul>  |
| Research Institutions           | <ul style="list-style-type: none"> <li>Research on birds by the Museum of Natural History (Pakistan)</li> </ul>  |
| Universities                    | <ul style="list-style-type: none"> <li>Annual monitoring and satellite tagging of geese (North Kazakhstan State University)</li> <li>Support to creation of new wetland protected areas through support in the description and selection of territories, compilation of a list of rare species by the Institute of Zoology, Academy of Sciences of the Republic of Karakalpakstan (Uzbekistan)</li> </ul>  |

| Stakeholders             | Examples of actions for migratory birds and their habitats in the last five years   |
|--------------------------|---|
| NGOs                     | <ul style="list-style-type: none"> <li>· Development of win-win models for management of community/private areas and wetland restoration by BirdLinks Armenia (Armenia)</li> <li>· Restoring degraded habitat and protection of foraging sites of Black-necked Crane by Royal Society for the Protection of Nature (Bhutan)</li> <li>· Capacity building of state governments and implementation of National Action Plan for Conservation of Migratory Species under CAF by the BNHS (India)</li> <li>· Preparation of national overview of the State of India's Birds, including trends and conservation status by the SoIB Partnership (India, SoIB 2023)</li> <li>· Taldykol lake protection campaign in Astana (Kazakhstan)</li> <li>· Work with national agencies to develop and implement national legislation for construction of overhead power lines (Mongolia)</li> <li>· Work with national and subnational government agencies for identification of priority sites for nature conservation and protected area network expansion (Mongolia)</li> <li>· Waterbird research and conservation and Yellow-breasted Bunting research by Wildlife Science and Conservation Center, the Mongolian Bird Conservation Center, the Mongolian Ornithological Society, and Mongolian Bird Watching Club (Mongolia)</li> <li>· Recovery program for Asian Houbara through release of birds, collaring, transmitters by Emirates Birds Breeding Center (Uzbekistan)</li> <li>· Creation of new desert protected areas for birds of prey (and preparation of justification and preparation of the UNESCO nomination) (Uzbekistan)</li> </ul> |
| Birding community/groups | <ul style="list-style-type: none"> <li>· Protection to bird colonies by local community groups (Bangladesh)</li> <li>· Awareness, seizure and confiscation of catapults and traps. Rescue and treatment of injured birds (Nepal)</li> <li>· White-headed Duck lake in Almaty region protection campaign (Kazakhstan)</li> </ul>   |
| Foundations              | <ul style="list-style-type: none"> <li>· Habitat conservation action by Isabella Foundation (Bangladesh)</li> <li>· Various research and conservation activities carried out support of major international foundations, incl. International Crane Foundation, Peregrine Fund, Succow Foundation (Mongolia, Turkmenistan).</li> </ul>   |
| Community groups         | <ul style="list-style-type: none"> <li>· Establishment of community-managed vulture feeding sites at multiple locations (Nepal)</li> <li>· Involvement of Community Forest User's Groups and Mother's groups in species conservation (Nepal).</li> <li>· Action by local communities and Community Controlled Hunting Areas (Pakistan)</li> </ul>   |
| Business sector          | <ul style="list-style-type: none"> <li>· Monitoring of waterbirds with oil companies (Kazakhstan)</li> </ul>  |

In addition to these in-country actions, ongoing international research is done more informally among researchers, NGOs and universities across and beyond the CAF. For example, BirdLife Partners and associated non-governmental nature conservation organisations work together in the Central Asian Flyway. They focus on scientific research and monitoring, habitat conservation and restoration, transboundary cooperation, national and international policy advocacy, and capacity building. The role of BirdLife Partners in Central Asian Flyway conservation has been vital in recent years. For instance, the support and efforts by BNHS (BirdLife in India), have supported the Government of India to launch its National Action Plan for the Conservation of Migratory birds and take a leadership role in promoting and developing conservation partnerships for the CAF. Through a local-to-global, science-based approach, the BirdLife Partnership is well-placed to support year-round conservation action for migratory birds in the Central Asian Flyway.

We also surveyed participants on management practices applied specifically to benefit migratory birds, particularly in protected areas. As may be expected from such a diverse group of respondents, the response was that some types of management practices are partly implemented. Actions vary from trees are being removed to restore open areas preferred by Black-necked Cranes as roost sites in Bumdeling, Bhutan, to banning boating in core areas of protected areas in India, and to regulation of water levels to provide appropriate habitat conditions for the birds in Al Wathba Wetland Reserve in the Abu Dhabi Emirate. Other actions include eradication or control of invasive species of plants and animals, regulation of use of certain fish nets / tackle that can lead to bycatch of birds, tourism activities (control on numbers, access to areas at certain times of year) and seasonal restrictions on cattle grazing within sensitive areas that are known to harm nesting birds or disturb other activities. The impact of using drones and feral dogs and cats on wild birds is widely not recognised as a threat and, therefore, not yet managed in most countries (see further details per country in Annex 20).

#### d. *Resourcing conservation action*

**International finance.** As covered in Sections 4.1 and 4.2, there are adequate frameworks to promote conservation action. Implementing these at international, national and local levels requires predictable, adequate and ongoing resources from various sources. In the last five years, funding has become available in many countries through multilateral financial lending institutions (e.g. Global Environment Facility, UNDP, UNEP, Asian Development Bank).

Questionnaire respondents have listed the international funding sources for research, monitoring, conservation and promoting awareness of migratory birds and their habitats, listed in Table 21. These examples provide an understanding of the wide range of funding sources available to stakeholders in CAF countries.

**Table 21.** Overview of funding bodies supporting work in the CAF region as provided through the national questionnaires

| Category                                    | Examples of funders supporting work in the CAF region  |
|---|--|
| Bilateral funding from national governments | Japan Fund of Global Environment, CADI – the Central Asian Desert Initiative and other programmes supported by International Climate Initiative (IKI) of the German government, Swedish International Development Cooperation Agency (SIDA), US Department of Agriculture (USDA), US Forest Service (USFS) |
| Trust funds                                 | Critical Ecosystem Partnership Fund (CEPF) a joint initiative of l'Agence Française de Développement, Conservation International, the European Union, the Global Environment Facility, the Government of Japan and the World Bank.   |
| International development agencies          | Asian Development Bank, European Commission, Global Environment Facility (GEF), IUCN, United Nations Development Programme (UNDP), United Nations Environment Programme (UNEP), World Bank   |
| Conventions, agreements                     | AEWA, Ramsar Convention, East Asian – Australasian Flyway Partnership (EAAFP)  |
| International NGOs                          | BirdLife International, Friends of the Environment Center (Qatar), International Crane Foundation (ICF), IUCN, Royal Society for the Protection of Birds (RSPB), Swiss Society for the Study and Conservation of Birds, Wildlife Conservation Society (WCS), WWF, Wetlands International                   |
| Research institutions                       | Max Planck Institute for Animal Behaviour (Germany)  |
| Universities                                | Linnaeus University (Sweden)   |
| Foundations/trusts                          | Rain Forest Trust, Succow Foundation, National Geographic Society  |
| Corporates                                  | Swarovski Optik, Tengizchevroil (Kazakhstan), Dhilma Conservation (Sri Lanka), Tokyo Cement Group  |

**National sources.** Almost all countries reported allocating national and local budgets towards managing important habitats, particularly protected areas, national parks, sanctuaries, and Ramsar and World Heritage sites. Resourcing the management of protected areas across the region has been a challenge, and the degree to which the needs are under-resourced remains largely unknown due to a lack of comparable data (Coad *et al.* 2019).

The national questionnaires sought to collect information on funding being allocated towards migratory species and habitat-related work through three questions:

- a) What are the estimated annual government budgets allocated to the conservation of migratory birds and their habitats in your country (inc. sites) for the last three years?
- b) What are the estimated annual budgets allocated from sources other than government to the conservation of migratory birds and their habitats in your country (inc. sites) for the last three years?
- c) How would you rate the adequacy of the combined annual budget to effectively conserve migratory birds and their habitats in your country?

Overall, the information received was often inconsistent and incomplete, hindering meaningful interpretation of results. No country reports to have a budget allocated directly to migratory bird conservation. Governments fund a wide range of conservation efforts among the surveyed countries, except in Afghanistan and Yemen, where ongoing political circumstances have prioritised resources elsewhere. Resource allocations for protecting and restoring habitats, waterbodies, and protected areas are the indirect contributions expected to help conserve migratory bird species. For some countries, information on upcoming projects was provided; see case study for Nepal below.

**CASE STUDY (Division Forest Office (2022))** - In Nepal, the Lumbini Provincial Government allocated a budget for managing the Jagdishpur Lake Ramsar Site, including the preparation and execution of a management plan. At the same time, the Sudurpaschim Provincial Government and Ghodaghodi Municipality supported similar actions for the conservation of the Ghodaghodi. Both are also important IBAs for migratory birds.

With a project 1.8 million US\$ sanctioned by the provincial government, work at Jagdishpur Lake will begin in 2023. The annual budget committed for five years is Year 1 US\$ 269,812; Year 2 US\$ 482,969; Year 3 US\$ 344,240; Year 4 US\$ 272,819 and Year 5 US\$ 265,300. The main objectives of this investment are: Participatory conservation and wise use of Jagdishpur Bird Sanctuary and fair distribution of resources; Support local communities living around Jagdishpur on tourism promotion and other income generation activities for livelihood benefit; Raise awareness on conservation and wise use; develop environment friendly infrastructure maintaining ecological integrity; conduct research on wetland and birds.

Similarly, besides northern winter bird survey activities, patrolling to curb migratory bird poaching and removal of nets/traps, very few activities are directly focused on migratory birds.

The work being done nationally and locally by multiple stakeholders has been supported by the national government, national and local NGOs, corporations (including the tourism companies Tiger Tops and Tiger Mountain in Nepal), foundations and private individuals. Additional resources for this work have been sourced from international organisations (as covered in the previous section).

The private sector, foundations and individuals have also contributed resources. They have supported migratory species and habitat conservation with awareness raising, research and monitoring, capacity building and related conservation activities.

Generating estimates of annual government budgets allocated specifically to the conservation of migratory birds and the management of habitats of particular importance to migratory species requires a more granular analysis. Without such detailed information from across the region, it is premature to evaluate the adequacy of the combined annual budget available to conserve migratory birds and their habitats.

#### e. *Taking Action Against Climate Change*

##### **Integrated climate and biodiversity policy and planning**

The climate and biodiversity crises are interlinked. Despite this recognition, they are typically addressed separately within their own domains. This “siloeing” creates the risk of generating actions that may prevent solutions to one or the other crises (Portner *et al.* 2021). The IPBES (2019) Global Assessment report states that around 25% of assessed species are threatened or facing extinction. This number will likely increase unless the direct drivers of change in land and sea use, exploitation, climate change, pollution, and invasive alien species are addressed. The Convention on Biological Diversity (CBD) Kunming-Montreal Global Biodiversity Framework (GBF) (CBD/COP/DEC/15/4), agreed in December

2022, responds to this threat. It promotes integration and cooperation between and across Conventions and multilateral environmental agreements, such as the United Nations Framework Convention on Climate Change (UNFCCC), recognising the need to address climate and biodiversity jointly, using tools such as the Nationally Determined Contributions (NDCs), the National Adaptation Plans (NAPs), and the National Biodiversity Strategic Action Plans (NBSAPs). The CBD GBF (Target 8<sup>38</sup>), Ramsar Convention on Wetlands and the CMS have also recognised the need for multilateral decisions on climate change and have made several decisions that prioritise actions to reduce climate change impacts on migratory species (e.g., UNEP/CMS/Resolution 12.21).

A review of the international climate and biodiversity frameworks indicates that all states surveyed – apart from BIOT – have such policies (refer to Annex 21). The national questionnaire results have shown variation in the knowledge and understanding of respondents of the impact of climate change on migratory species and their habitats. This may reflect how information on biodiversity, migratory birds and climate change in many CAF states is often held by different people. This disconnect between the responses and national policies highlights the common disconnect of the biodiversity conservation and climate change agendas, with the consequent lack of synergistic action in many countries, as outlined by Portner *et al.* (2021).

The national questionnaire results have also indicated that the Maldives, Bangladesh, Bhutan, Mongolia, Pakistan, Sri Lanka, and Nepal have the most comprehensive set of climate and biodiversity national and regional climate and biodiversity policies. However, Bangladesh reported that their climate action focuses on human migration, not wildlife, with a need for people to be at the centre. The recognition of a human-centric approach is likely due to the significant vulnerability of the local population to losses and damages from climate impacts. However, NDCs of Bangladesh and many others, including China, India, Maldives and Kazakhstan, include significant references to ecosystem restoration. Mongolia and Bhutan were the only countries that indicated having protected species plans that include the impacts of climate change.

As of January 2023, a review of the UNFCCC NDC Registry for CAF countries<sup>39</sup> indicated the following NDC references to nature by CAF countries:

**Afghanistan** – protection of forests and rangelands

**Armenia** – protection of aquatic and terrestrial ecosystems, afforestation, soil

**Bahrain** – afforestation, mangrove transplantation

**Bangladesh** - afforestation, reforestation, forest conservation and restoration, improved land management, climate-smart agriculture, and marsh restoration.

**Bhutan** - forest conservation, biodiversity conservation and protection, climate-smart restoration, agro-forestry, wetland conservation.

**China** – protection and restoration of forests, conserving water and soil

**India** – reforestation, investment in the Himalayas, coastal regions and water resources.

**Iran** – conservation of forests, sustainable agriculture

**Kazakhstan** – Nature-based Solutions (NbS), sustainable land management, protection and restoration of ecosystems, water resource management, reforestation

**Kuwait** – cultivation of mangroves, sustainable land management and green belt programmes.

**Maldives** – restoration of mangroves, coral reef restoration, protection of forests and critical watershed hydrological services

**Mongolia** – ecosystem-based adaptation/nature-based solutions (NbS), including wetlands, sustainable land management, and forests

38 CBD/COP/DEC/15/4 Target 8: Minimize the impact of climate change and ocean acidification on biodiversity and increase its resilience through mitigation, adaptation, and disaster risk reduction actions, including through nature-based solution and/or ecosystem-based approaches, while minimizing negative and fostering positive impacts of climate action on biodiversity.

39 Some NDCs were in their national languages, without translations, so were unable to be assessed in this report.

**Myanmar** – NbS, agroforestry, afforestation, restoration of mangroves and coral ecosystems.

**Nepal** – afforestation, ecosystem protection, sustainable management of wetlands

**Pakistan** – reforestation, climate-smart agriculture, adaptation for vulnerable ecosystems, such as coastal areas, Indus deltaic region and forests

**Russia** – forest management and protection

**Saudi Arabia** – planting of mangroves, blue carbon, coral reef restoration, ecosystem-based adaptation, tree planting, natural resource conservation

**Sri Lanka** – NbS, targets for wetland restoration, prevention of coastal degradation through mangroves, water retention, and introduction of city parks. Identified threats to biodiversity from climate have not been studied adequately, but they expect significant impacts on species relying on coastal habitats, such as coral, seagrass meadows and lagoons.

**UAE** – restoration, protection and planting of mangroves, seagrass meadows, and coral reefs. A focus on blue carbon.

**Uzbekistan** – conservation and restoration of forests, afforestation of the dried Aral Sea bottom, conservation of deserts and semi-deserts, climate resilient agriculture

**Qatar** – nature-based adaptation, restoration of marine habitats, mangroves, and tree planting.

Protection and restoration of migratory bird habitats, such as coastal wetlands, can sequester significant amounts of carbon. They should be included in the accounting of greenhouse gas emissions under NDCs and incorporated as key mitigation actions. NbS relating to ecosystem conservation, protection, and restoration can also have adaptation value through natural flood management, coastal protection, and increased ecosystem resilience. Including them in NAPs is strategic, as they provide benefits for both migratory species and people. Increasing the resilience of biodiversity and ecosystem services includes the need to invest in NbS with a rights-based approach, such as ecosystem protection and restoration, to minimise the impact of climate change on migratory species.

**Table 22.** Documents/strategies/policies/planning relating to climate change and biodiversity based on national questionnaires

| Existing policy and legislative frameworks   | Number of range states providing evidence (n = 25 respondents)   |
|--|--|
| Legislation  | 36% (9)  |
| Nationally determined contribution (NDC)   | 56% (14)<br>Only one country stated their NDC specifically outlined biodiversity measures.   |
| National Adaptation Plans (NAPs), National Adaptation Programme of Action (NAPA), and related significant national adaptation projects completed or underdevelopment | 38% (9)  |
| National biodiversity strategies and action plans (NBSAPs)   | 63% (16)   |
| Regional, sub-national, or local policies  | 40% (10)<br>Examples provided include Ramsar Strategy and Action Plans, sub-national, or local climate related policies. No broader supranational regional policies were identified. |
| Site species management plans  | 32% (8)<br>Examples provided include protected area and site plans, forests, and for freshwater lakes.   |
| Species management plans   | 8% (2)<br>Examples provided include Black-necked Crane and protected species plans.  |
| Other issues   | Examples provided include river water quality reports (Bangladesh) and National Communications to the UNFCCC   |

Countries were asked to identify the main sources of evidence relating to climate impacts on ecosystems and migratory birds within their national context (Table 23). The quality of evidence varied, with few states having completed a full impact, risk, or vulnerability assessment to identify key vulnerable locations and corresponding actions. However, Nepal and Yemen identified the specific at-risk sites of Koshi and Ghodaghodi (Nepal) and the Socotra archipelago (Yemen) as important areas for migratory species. Armenia identified their mountain forest ecosystems as vital for migratory species.

**Table 23.** Evidence sources available for climate impacts on ecosystems, sites, and migratory birds based on national questionnaire results

| Identified evidence  | Number of range states providing evidence (n = 24 respondents) |
|--|--|
| Climate impact, risk, and vulnerability assessments                            | 16% (4)  |
| National/regional adaptation action plans                                      | 13% (3)  |
| Forest fire impact reports   | 4% (1)   |
| Observed climate change changes in localised habitats/bird community structure | 8% (2)   |
| Academic papers/reports  | 25% (6)  |
| CBD reports, e.g., NBSAPs  | 13% (3)  |
| Communication to the UNFCCC  | 4% (1)   |
| Important Bird and Biodiversity Areas (IBA) report                             | 4% (1)   |

#### f. *Integration across Sectors*

##### **Integrated action for climate and migratory species**

IPCC (2022) and BirdLife International (2022) have recognised the role of ecosystem protection and restoration as a nature-based solution to build ecosystem resilience and restore services that benefit species, people, and the climate. In 2022, at CBD COP15, the world's governments agreed to Target 3<sup>40</sup> under the GBF.

National questionnaire respondents identified a few examples of such synergies. Various ecosystem restoration programs are underway in BIOT (mangroves), Myanmar (rivers and wetlands), and Nepal (water holes, forests, grasslands, and wetlands), providing resilient habitats and increased ecological connectivity for migrating species. These are listed as actions in NDCs, NAPs and NBSAPs, as outlined in the section above and Annex 21. However, ecosystem restoration focused on site restoration, with only indirect benefits for migratory species, such as the return of the Lesser Adjutant Stork and Bristled Grassbird at key sites in Nepal.

Given the socio-economic conditions of most CAF countries and competing pressures for development, integrating the needs of migratory birds – including the management of habitats and sites important for their conservation – within the legislations and policies of other sectors (such as agriculture, forestry, energy, transport, waste, tourism, climate) is not prioritised and is reported to be partly achieved on average. In many countries, there is little recognition of the need for this integration.

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Ensure and enable that by 2030, at least 30 per cent of terrestrial and inland water and coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem functions and services, are effectively conserved and managed through ecologically representative, well-connected, and equitably governed systems of protected areas and other effective area-based conservation measures, recognising indigenous and traditional territories, where applicable, and integrated into wider landscapes, seascapes and the ocean, while ensuring that any sustainable use, where appropriate in such areas, is fully consistent with conservation outcomes, recognising and respecting the rights of indigenous peoples and local communities, including over their traditional territories.



Some countries have been integrating the needs of migratory birds within the frameworks of Environmental Impact Assessments (EIA) and Strategic Environmental Assessments (SEA). These are mainly expressed in new development projects, particularly in habitats near protected areas that require mitigation measures. However, the conservation effectiveness of EIAs and SEAs for migratory birds, including threatened species, requires further investigation.

## 5. Recommendations



Flock of Critically Endangered Sociable lapwings  
(photo: Oleg Kashkarov)



## 5. Recommendations

Preventing or reversing the population declines of the 605 migratory CAF species requires a wide range of species-focused conservation actions and habitat management and restoration at the local, national, and flyway levels.

This review recognises all the past work and range conservation actions undertaken by local, national and international stakeholders. It also acknowledges the gaps in knowledge, legislation, capacity, awareness and resources needed to achieve species effective conservation.

The socio-economic conditions and developmental pressures of most CAF countries require the integration with legislations and policies of sectors such as agriculture, forestry, energy, transport, waste, tourism, and climate. As such, there is an opportunity and urgency to align conservation needs with regional development agendas, particularly those related to climate change mitigation and adaptation.

A set of recommendations are provided within the following action areas:

- A. ***CAF collaborative framework***
- B. ***Species management***
- C. ***Reducing direct mortality***
- D. ***Management of important sites and networks***
- E. ***Landscape management***
- F. ***Research and monitoring***
- G. ***Education and information***
- H. ***Integrating actions for climate and migratory species***
- I. ***Financing an order of magnitude increase in flyway conservation efforts***
- J. ***Capacity development for scaling up, as well as integration into intervention-wise recommendations***

These recommendations are based on the strategic plans, action plans and priorities of the relevant international frameworks (in Section 4.a) and the gaps identified in this review. They are also informed by the feedback received from the countries to our questionnaire (see Annex 22 on legislation and policy, Annex 23 on priority actions for conservation of birds, Annex 24 on managing/restoring habitats, Annex 25 on awareness raising, Annex 26 on capacity building and Annex 27 on enhancing international cooperation).

The recommendations are presented in a format adapted from the current version of the AEMLAP.

### A. ***CAF COLLABORATIVE FRAMEWORK***

1. *Develop a collaborative and cooperative multistakeholder CAF flyway-wide framework for the conservation of migratory birds and their habitats.*

This Situation Analysis provides the foundation upon which a comprehensive analysis of opportunities can be built. This would include mapping (a) the existing programmes related to relevant conventions, agreements and frameworks, (b) the work of international NGOs, and (c) the existing research collaborations. This would provide the blueprint of a cooperative framework that builds upon the strengths and responsibilities of stakeholders, enabling CAF to become a strong collaborative effort by governments, NGOs, scientists and civil society. Some key principles

and attributes of a framework could be laid out, so that for example it could be innovative, non-bureaucratic, dynamic and inclusive.

## **B. SPECIES MANAGEMENT**

2. *Implement existing single-species or multispecies action plans for globally threatened species and others for which plans exist.*

Plans developed by CMS, AEWA, AEMLAP, Raptors MOU and EAAFP are outlined in sections 4.1 and 4.2 (*Annex 17*). In addition, local, national and international NGOs, community groups and researchers often cooperate informally around many key species, which could also be integrated.

3. *Develop and implement single-species conservation plans (or as part of multispecies action plans) for selected high-priority, globally threatened species, building on existing work and promoting international communication and collaboration (see list in Table 24).*
4. *Recommend that the CMS Scientific Council consider eight globally threatened and one near-threatened CAF species identified for listing under CMS Appendix I or II. This would help highlight their conservation needs in the national and international scenes (see list in Table 25).*
5. *Refine the Working List of CAF Migratory Birds prepared for this review in consultation with national experts, the current status of species in countries, and migration information (see list in Annex 4).*

6. *Establish maintenance and breeding of captive ark populations as an essential tool for species threatened with extinction.*

As identified in the CMS Vulture Multi-Species Action Plan, develop conservation breeding programs for critically endangered and endangered vulture species as a last resort, along with a reintroduction strategy using the IUCN guidelines and criteria<sup>41</sup>.

## **C. REDUCING DIRECT MORTALITY, TAKING AND TRADE OF MIGRATORY BIRDS**

7. *Review the legislation in the CAF covering the protection and legal take of migratory birds, their young and eggs.*
8. *Identify the species targeted for taking and trade and determine the extent to which this exploitation is regulated. Request from Range States that the relevant authorities and hunting groups demonstrate the sustainability of the activity at a CAF population level.*
9. *Develop a systematic national tracking system consistent across Range States to enable rigorous identification of species, methods of capture and the extent of legal and illegal taking to inform decision-making.*

### **i. Regulation of legal taking**

10. *Ensure legal protection of migratory species of greatest conservation concern.* Follow existing prioritisation of AEMLAP (listing in its Annex 1), Raptor MOU, AEWA and CAF Action Plan.
11. *Give conservation priority to migratory species with declining global population trends.* Adopting appropriate monitoring systems and producing adaptive management plans for these species, especially legal quarry species, for which taking may be a significant contributor to population declines. i.e. species listed in Category B of Annex 3 of the AEMLAP and priority lists of the Raptor MOU, AEWA and CAF Waterbird Action Plan.

41 <https://www.iucn.org/resources/publication/guidelines-reintroductions-and-other-conservation-translocations>

12. *Establish limits on the number and means of taking migratory species and provide adequate controls to ensure these limits are observed.*  
National management plans for the harvest and exploitation of migratory species should involve the prohibition of all indiscriminate forms of taking.
13. *Regulate and monitor all taking and trade of migratory species with increasing, stable or unknown global population trends.*  
i.e. species listed in Category C of Annex 3 of the AEMLAP and priority lists of the Raptor MOU, AEWA and CAF Waterbird Action Plan.
14. *Compile national lists of quarry migratory species, hunting seasons and trade across the Range States to accurately determine hunting pressure and ensure the sustainability of taking at the flyway scale.*
15. *Develop and refine the concept of sustainable management of migratory species in the CAF in line with national laws and mechanisms.* Models and lessons from other flyways can serve as inspiration.
16. *Implement alternative livelihood programmes or captive breeding programmes for migratory bird species utilised as food sources where evidence indicates the presence of unsustainable subsistence hunting.*

#### **ii. Illegal taking**

17. *Promote international cooperation between enforcement authorities and other stakeholders in the regulation and enforcement of the taking and trade of migratory species, and implement measures outlined in CMS Resolution 11.16 on Illegal Killing, Taking and Trade of Migratory Birds.*
18. *Take action through existing legal instruments regulating domestic and international trade (e.g. CITES) where there is evidence that trade (legal or illegal) drives unsustainable taking of birds.* Encourage the participation of all Range States in CITES. Where domestic instruments do not exist, explore processes for their introduction and enforcement.
19. *Take action to reduce or eliminate bycatch (accidental killing in fishing nets and lines) of migratory birds in inland, coastal and marine waters at national and local level.*

#### **iii. Disturbance from human activities**

20. *Develop and implement effective management plans at sensitive sites, including appropriate regulation of hunting and recreational activities to eliminate disturbance at critical periods during the annual cycle of migratory birds.*

#### **iv. Human-wildlife conflict**

21. *Conduct national reviews to identify the species targeted in human-wildlife conflicts.*  
This information is the basis for implementing national control or culling programmes. Exceptions to, or derogations from, protective legislation to allow control and culling should only be given under strict conditions and be subject to careful monitoring and reporting, especially for threatened species.
22. *Ensure adequate statutory controls and, where practicable, guide liaison with agriculture departments regarding appropriate control of pest bird species.*
23. *Promote alternative, non-lethal means of avoiding conflict with migratory birds in liaison with agriculture departments and other relevant regulatory bodies.*

#### **v. Poisoning**

24. *Substitute, restrict or ban substances of high risk to migratory birds, including insecticides, second-*

generation anticoagulant rodenticides (SGARs) and veterinary pharmaceuticals for domestic ungulates that cause lethal and sub-lethal effects to migratory birds, and implement the measures outlined in CMS Resolution 11.15 on Guidelines to Prevent Poisoning of Migratory Birds.

25. *Encourage legislative mechanisms to monitor the use of pesticides and the adoption of certified integrated pest management (IPM) practices by farmers.*  
IPM is a sustainable approach to crop production and protection that combines different management strategies and practices to grow healthy crops while minimising the use of pesticides. This limits the risk of poisoning non-target species, including birds. Many countries will need to create incentives to promote the adoption of IPM.
26. *Discourage long-term and permanent baiting, applying pesticides only when infestations are present, followed by prompt bait removal. This will reduce the risk to non-target bird species.*
27. *Reduce the impacts of plastic pollution (including microplastic poisoning) on birds and habitats.* Plastic pollution affects many migratory species, and little is still known about its short and long-term impacts. Therefore, research on this topic should be promoted.

#### vi. Collisions

28. *Set in place appropriate legislation and enforcement to restrict the construction of structures posing collision risks at known migration staging sites and along migration routes.*  
Some species may require additional measures at congregatory sites in non-breeding or moulting areas.
29. *Introduce appropriate mitigation measures for the various collision risks.* E.g. adapting types of light sources to reduce light pollution where these result in incidences of window strikes by migratory bird species and introducing measures to reduce the collision risk posed by wind farms. Implement measures outlined in CMS Resolution 10.11 on *Power Lines and Migratory Birds*.

#### vii. Diseases

30. *In the event of a disease outbreak or mass mortality episode, conduct epidemiological research to inform mitigation and response actions.*  
Integrate prevention of disease transmission into the management planning of protected areas following a One Health approach. Guidance can be drawn from the Ramsar Wetland Disease Manual<sup>42</sup>. This will also require strengthening the local capacity of veterinarians, wildlife staff and public health workers to work together.
31. *Develop and implement emergency measures that ensure close collaboration across the CAF when exceptionally unfavourable or endangering conditions occur (e.g. pesticides, wildlife disease, harsh weather).*

### D. MANAGEMENT OF IMPORTANT SITES AND NETWORKS

32. *Undertake and publish national inventories of the sites of importance to migratory species in liaison, where appropriate, with competent international conservation organisations.*  
Build on existing databases, including the IBA/KBA database by BirdLife International, the Critically Important Sites for Waterbirds by Wetlands International and BirdLife International, the waterbird site network development by AEWA, the list of important sites for migratory raptors recently developed by the Raptors MOU, and the Marine IBAs by the BirdLife International Marine Programme.

33. *Facilitate and promote the designation of important sites for migratory birds under appropriate national and international conservation categories.*  
E.g. nationally as nature reserves, national parks, wildlife reserves, sanctuaries, and non-hunting areas; and internationally as Ramsar, World Heritage Sites and Flyway Network Sites.
34. *Refine the Working List of Internationally Important Sites for CAF Migratory Birds prepared for this review by consulting with national experts and in-country information on their status (see list in Annex 6).*
35. *Establish a CAF Critical Site Network that connects sites and landscapes ecologically linked. These can be linked physically, such as by connecting habitat corridors, or in other ways. For example, breeding areas can be related to distant non-breeding, stopover, feeding and resting areas. Research on migratory movement is essential to inform these site networks since different species require different habitat types.*
36. *Establish or review conservation site management plans incorporating prescriptions for migrant species.*  
At least national protected areas, Ramsar Sites, WHS and Flyway Network Sites require management planning to meet national and international requirements to conserve migratory species.

## **E. LANDSCAPE MANAGEMENT**

### **i. Land-use changes**

37. *Encourage local implementation of land-use management policies through appropriate incentive programmes.*  
Provide national support for cross-cutting themes such as the CBD Ecosystem Approach, a strategy for the integrated management of land, water and living resources that promotes sustainable, fair, and equitable resource use.
38. *Enhance management (including restoration) to address the degradation and destruction of important migratory bird habitats and landscapes (including OECMs) caused by encroachment and development activities, particularly those not currently covered in recommendations 32 to 36.*

#### ***Intensive agriculture***

39. *Develop and review policies that maintain and manage natural and semi-natural habitats of value to migratory bird species within wide-scale and intensive agricultural landscapes, including the promotion of agri-environment schemes and the removal of perverse incentives and subsidies.*
40. *Promote biodiversity-friendly farming systems that are favourable to migratory birds.*
41. *Undertake Strategic Environmental Assessments to determine overall policies and plans for agriculture, industry, energy, infrastructure, urban and other developments that consider migratory birds, other biodiversity and their habitats.*
42. *Develop landscape design principles and guidance to mitigate the negative consequences of large-scale and intensive agriculture and share relevant experiences and best practices through collaboration between Range States.*
43. *Develop land-use planning strategies using an ecosystem approach to ensure the integration of environmental considerations within national agricultural policies.*

#### ***Traditional agriculture, including pastoralism and small-scale cropping systems***

44. *Promote agricultural policies that support participatory, sustainable natural resource management practices, e.g. small-scale agriculture and traditional farming methods (including pastoralism),*

the promotion of appropriate measures within agro-environment schemes, and the removal of perverse incentives and subsidies.

45. *Work with and empower local communities to advocate, develop and implement participatory approaches and incentives aimed at integrated, sustainable management of natural resources.* This should encourage sustainable small-scale agriculture and forest management, zonation of grazing, and alternative income generation, including habitat restoration, improving both human livelihoods and habitat quality for migratory bird species.

#### **Grassland management**

46. *Protect and restore grasslands to meet the specialised needs of open land migratory species.* This should encourage the management of grasslands that are underrepresented in the Protected Areas networks and are at high risk of conversion, especially through afforestation and spread of invasive species.

#### **Timber and non-timber forest products**

47. *Include the habitat requirements of migratory birds in developing and implementing national integrated forest and scrub forest management plans.* Where appropriate, woodlots or plantations of timber trees and sustainably managed community forest initiatives should be promoted to reduce pressures on natural forest habitats. Contribute to the implementation of the CBD's Work Programme on Forests.

### **ii. Water management**

48. *Implement and promote the Ramsar Convention's guidance on wetlands and river basin management (Ramsar Res X.19), particularly the need to maintain natural river flows that sustain the associated wetlands.*
49. *Mitigate the effects of existing hydro-dams by allowing well-managed, artificial discharge and flooding downstream.* This can restore floodplain habitats (including flood forests) and local livelihoods that depend on rice and other arable crops.
50. *Regulate anthropogenic degradation and loss of wetlands important for migratory bird species and initiate rehabilitation or restoration programmes*  
This will involve the enforcement of appropriate regulations and control measures at important wetland sites and those that have suffered degradation from unsustainable use, agriculture, uncontrolled fires, the spread of aquatic invasive species, hydrological change, climate change, natural succession, eutrophication and pollution.
51. *Conserve and promote the sustainable use of intertidal wetlands and other coastal habitats (CMS Res.12.25 and Ramsar Res 13.20) and active involvement in activities of the World Coastal Forum.*
52. *Identify priority issues for the conservation of seabirds in the Arabian Gulf, Arabian Sea and Bay of Bengal, including information on the current and future threats of bycatch, illegal killing and oil pollution.*

### **iii. Energy**

53. *Ensure that new energy developments likely to impact migratory bird species adopt early-stage and high-level planning processes involving Strategic Environmental Impact Assessments (SEA) and stakeholder consultation concerning the location of alternative renewable energy developments.* This should include mapping renewable energy potential and overlaying this information with maps of key sites, habitats and corridors for migratory bird species. Use sensitivity mapping to underpin strategic planning, including innovative tools (such as Avian Sensitivity Tool for Energy Planning <https://avistep.birdlife.org/> and mitigation TransMIT <http://datazone.birdlife.org/info/transmit>).



54. *Reduce bird mortality caused by powerlines and wind farms.*

A range of well-tested measures include the underground burial of powerlines in areas of high impact and comprehensive retrofitting of powerlines to eliminate electrocution as a major cause of bird fatality. Adopt the mitigation prescriptions standards of Bird Flight Diverters for powerlines and the use of Shutdown on Demand and automated curtailment at wind farms.

55. *Institute sustainable land-use and energy management policies* that consider biodiversity, including migratory bird species and their habitats.

56. *Ensure that planned new hydroelectric reservoirs and other natural hydrology-modifying projects are subject to rigorous Environmental Impact Assessments* to mitigate impacts and maximise the benefits to migratory birds and their habitats.

57. *Institute policies to reduce the dependence on wood fuel* and support initiatives that promote alternative renewable energy sources for heating, lighting and cooking.

**iv. Re-vegetation (including reforestation) and reducing desertification and carbon emissions from deforestation and degradation**

58. *Encourage the use of indigenous trees or other plants of high value to migratory bird species in afforestation and re-afforestation initiatives.*

This action will require detailed monitoring and research into resource use by migratory species, including those that depend on grasslands, mudflats and open landscapes during their annual cycles.

59. *Incorporate into the UN Convention to Combat Desertification (UNCCD) measures the recommendations in this review.*

**F. RESEARCH AND MONITORING**

**i. Understanding migration patterns and connectivity along the flyway**

60. *Develop existing and establish new international and local collaborative projects* that refine existing field protocols and data sets and advance a flyway-scale understanding of migratory patterns of all bird species, habitat use and carry-over effects.

**ii. Monitoring of population trends**

61. *Implement standardised national monitoring schemes for migratory bird species and their habitats.* For landbirds, consider following the successful models in Europe and some African countries that are based on a participatory approach that involves volunteer observers, local conservation groups and Site Support Groups, and synchronised monitoring protocols. For Raptors, use the structure proposed by the Raptors MOU and Action Plans. For waterbirds, use the International Waterbird Census structure.

62. *Promote and support standardised bird monitoring* and research on the ecology of relevant sites to migratory birds. Produce regular national and regional reports detailing the findings of these studies.

63. *Encourage the use of existing regional and sub-regional online databases by Range States and establish modalities for information sharing and linkage between existing databases.*

**iii. Understanding causes of population change in migratory species**

64. *Understand the connections between ecological factors limiting migratory bird populations and socio-economic issues, policies, and changes, especially land use and energy-related.* These include

key threats and causes of mortality, such as infrastructure blackspots. Additionally, research from a social science perspective can help understand the human drivers of key threats and how to address them.

65. *Diagnose the causes of population change and undertake targeted ecological studies of selected 'indicator species' and associated habitats, including comparative approaches with populations that are not declining.*

#### **iv. Habitat use and management**

66. *Evaluate the effect of human disturbance at key sites and use the results in the management of negative effects.*

#### **v. Build capacity and improve the exchange of information, collaboration and coordination between researchers studying migratory birds**

67. *Facilitate comprehensive gap analyses to identify and prioritise research needs, including an inventory of past and ongoing research within sub-regions of the CAF by encouraging the engagement of national experts.*
68. *Promote the Migrant Landbird Species Study Group (MLSG), an international network of specialists and organisations involved in the research, monitoring and conservation of migratory landbird species. The MLSG will be run voluntarily by researchers and should consider playing a clearing house function (collect, consolidate and distribute migratory landbird conservation-related research and monitoring information in the CAF).*
69. *Encourage researchers and funders to focus on the priority issues for migratory species and habitat conservation. This includes promoting priority needs, analysing existing data, establishing research consortia and supporting the development of sub-regional research institutes.*
70. *Support the targeted development of migratory bird conservation research and monitoring skills and expertise within countries.*

### **G. EDUCATION AND INFORMATION**

#### **i. Improve public awareness and understanding of migratory bird species**

71. *Promote public experience of the wonder of migration and migratory bird species by raising awareness, providing information, and regulating access to congregatory sites or bottlenecks.*
72. *Strengthen capacity to implement awareness-raising programmes. Stakeholders include national (provincial and local) authorities responsible for habitat and migratory bird management, universities, research institutions, NGOs, volunteers, birding communities, local communities and youth groups (schools and colleges). Access to information to support the development of awareness-raising tools and resources (resources in local languages).*
73. *Support and encourage public participation in migratory bird conservation awareness programmes. These include World Migratory Bird Days for all migratory birds, World Wetlands Day and World Environment Day. 'Friends of the Landbirds Action Plan' (FLAP), an initiative that will use online social media to provide a forum for all interested in and who care about migratory landbird species to follow, support and contribute to the work of the African Eurasian Migratory Landbird -Working Group.*
74. *Encourage local, national and international engagement with private organisations and public agencies, particularly in the agriculture, energy and manufacturing sectors, to share information and develop strategies that are economically and ecologically sustainable.*

## H. INTEGRATING ACTION FOR CLIMATE AND MIGRATORY SPECIES

75. *Review the most climate-vulnerable CAF states and assess the potential to apply landscape-scale restoration action.*

This may include mangrove restoration (while recognising the importance of maintaining open intertidal habitats); afforestation; increased number of reserves and protected areas; ecosystem restoration; construction of water holes; grassland management; forest fire controls; and forest and landscape restoration.

Any identified action must be delivered using a rights-based approach and the right species in the right place.<sup>43</sup>

76. *CAF range states should mainstream Nature-based Solutions in their national policies, planning and legislation to address the climate and biodiversity crises and contribute to the broader delivery of the Sustainable Development Goals. NbS have the potential to provide benefits for migratory species through ecosystem protection, restoration, and conservation. The role of NbS must be recognised in migratory species conservation while integrating the needs of local livelihoods and climate adaptation actions<sup>44</sup>.*

77. *CAF range states to review the Global Environment Facility (GEF) and Green Climate Fund (GCF) for opportunities to deliver landscape-scale NbS, benefiting migratory species through increased ecosystem connectivity and integrity while addressing local livelihoods and the climate emergency<sup>45</sup>.*

Such actions must align and mainstream the conservation of migratory birds and their habitats with climate mitigation and adaptation measures, which presents a major opportunity to strengthen measures for grasslands, freshwater and coastal sites and landscapes and strengthen traditional agricultural and land use practices.

78. *CAF states to increase research assessing the impacts on and resilience of migratory species. Improved evidence of current and expected changes to migratory species behaviours, distribution and habitats would strengthen collaboration on multi-benefit actions, enable targeted landscape-scale actions in key vulnerable locations identified in each state, and provide maximum benefits for migratory species, climate, and people. Including such actions (e.g., NbS) in country NDCs and NAPs is recommended to integrate and access climate/biodiversity-related funding.<sup>46</sup>*

## I. FINANCING

79. *Identify innovative and sustainable financing from local, national and international sources from all stakeholders, including from the private sector, to ensure support and sustain the wide range of long-term actions needed for species and habitat-related conservation.*

There is a need for all Range States to develop national budget overviews from government and non-government sources.

80. *Approach major financiers to pitch the importance of a large-scale flyway financing effort.*

43 UNFCCC, CBD, UNCCD, and Ramsar Convention have recognised the value and multiple benefits of NbS for nature, climate, and people.

44 Parties to the UNFCCC and CBD have committed to mobilising billions of dollars for climate and biodiversity action. By reviewing the potential benefits for migratory species conservation through multi-benefit activities such as NbS it may be possible to access additional funding through sources such as the GEF or GCF (NbS framed through climate adaptation/mitigation lens). Although the GEF is not the financial mechanism for CMS and will not directly support countries' CMS implementation activities, the GEF-8 programme can indirectly contribute to the maintenance of ecological connectivity and wildlife health (Global Environment Facility 2022).

45 The limited recognition by the questionnaire respondents of their country's existing climate change policies demonstrated a disconnect between climate and biodiversity conservation management across the region. Increased integration between climate and migratory species conservation is needed if the climate impacts on migratory species are to be better understood, including identification of what action is needed.

46 The questionnaire results and review of State NDCs provided limited evidence that significant landscape-scale ecosystem restoration occurs across the CAF to deliver the much-needed multiple benefits for migratory species, climate, and people.

81. *Seek grant financing of several million dollars to fund the preparation of a sound large-scale flyway support programme.*

Preparation work for this would:

- Make an improved estimate of existing funding for flyway conservation efforts in each of the areas considered by the report,
- Estimate approximate additional financing needs to implement the report's recommendations over a medium-long term (10-15 year) period, and
- Refine this overall estimate into estimates for successive five-year phases, considering both conservation priorities (critical policy changes, critical species, critical sites) and range states' differing implementation capacity, which will determine how fast priority needs can be met.

#### J. **BUILDING CAPACITY**

82. *Initiate a comprehensive programme to strengthen national and local capacity to implement integrated interventions.*

Preparation work for such a programme would:

- Identify the set of capacities that will be needed to prepare and implement an order-of-magnitude increase in the conservation effort,
- Assess the current capacities of key potential implementing organisations in each range state, together with their capacity strengthening needs, which will vary substantially by country, by organisation and by intervention proposed under the CAF initiative, and
- Identify the potential sources/resources available to strengthen institutional capacity, locally and internationally.

83. *Consider the development of a regional centre or centres of excellence in capacity strengthening to provide inter-country technical assistance, and assess the needs such centres would have.*

**Table 24:** Recommended CAF flyway level priority species for conservation action (as listed under the CMS Appendix 1).

Priority for action - H – threatened species for which no action plans exist, M - species for which single/multi-species action plans exist (see Annex 17 for details)

| Common Name            | Red List status (2022) | Pop Trend | Raptors MoU | AEMLAP | AEWA | CAF | Priority |
|------------------------|------------------------|-----------|-------------|--------|------|-----|----------|
| <b>Raptors</b>         |                        |           |             |        |      |     |          |
| Indian Vulture         | CR                     | Dec       | Y           |        |      |     | M        |
| Red-headed Vulture     | CR                     | Dec       | Y           |        |      |     | M        |
| Slender-billed Vulture | CR                     | Dec       | Y           |        |      |     | M        |
| White-rumped Vulture   | CR                     | Dec       | Y           |        |      |     | M        |
| Egyptian Vulture       | EN                     | Dec       | Y           |        |      |     | M        |
| Lappet-faced Vulture   | EN                     | Dec       | Y           |        |      |     | M        |
| Pallas's Fish-eagle    | EN                     | Dec       | Y           |        |      |     | M        |
| Saker Falcon           | EN                     | Dec       | Y           |        |      |     | M        |
| Steppe Eagle           | EN                     | Dec       | Y           |        |      |     | M        |
| Eastern Imperial Eagle | VU                     | Dec       | Y           |        |      |     | M        |
| Greater Spotted Eagle  | VU                     | Dec       | Y           |        |      |     | M        |
| Lesser Kestrel         | LC                     | Sta       | Y           |        |      |     | M        |
| White-tailed Sea-eagle | LC                     | Inc       | Y           |        |      |     | M        |
| <b>Waterbirds</b>      |                        |           |             |        |      |     |          |
| Baer's Pochard         | CR                     | Dec       |             |        |      | Y   | H        |
| Siberian Crane         | CR                     | Dec       |             |        | Y    | Y   | H        |
| Slender-billed Curlew  | CR                     | Dec       |             |        | Y    | Y   | M        |

| Common Name                | Red List status (2022) | Pop Trend | Raptors MoU | AEMLAP | AEWA | CAF | Priority |
|----------------------------|------------------------|-----------|-------------|--------|------|-----|----------|
| <b>Raptors</b>             |                        |           |             |        |      |     |          |
| Sociable Lapwing           | CR                     | Dec       |             |        | Y    | Y   | M        |
| Spoon-billed Sandpiper     | CR                     | Dec       |             |        |      | Y   | H        |
| Great Knot                 | EN                     | Dec       |             |        | Y    | Y   | H        |
| Spotted Greenshank         | EN                     | Dec       |             |        |      | Y   | H        |
| White-headed Duck          | EN                     | Dec       |             |        | Y    | Y   | H        |
| Great White Pelican        | LC                     | Unk       |             |        | Y    | Y   | H        |
| Red-breasted Goose         | VU                     | Dec       |             |        | Y    | Y   | H        |
| Lesser White-fronted Goose | VU                     | Dec       |             |        | Y    | Y   | H        |
| Relict Gull                | VU                     | Dec       |             |        |      | Y   | H        |
| Black-necked Crane         | NT                     | Sta       |             |        |      | Y   | H        |
| Dalmatian Pelican          | NT                     | Dec       |             |        | Y    | Y   | H        |
| Ferruginous Duck           | NT                     | Dec       |             |        | Y    | Y   | M        |
| Marbled Teal               | NT                     | Dec       |             |        | Y    | Y   | M        |
| Red Knot                   | NT                     | Dec       |             |        | Y    | Y   | M        |
| <b>Landbirds</b>           |                        |           |             |        |      |     |          |
| Bengal Florican            | CR                     | Dec       |             | Y      |      |     | H        |
| Great Indian Bustard       | CR                     | Dec       |             |        |      |     | H        |
| Yellow-breasted Bunting    | CR                     | Dec       |             | Y      |      |     | H        |
| Great Bustard              | VU                     | Dec       |             |        |      |     | H        |
| Asian Houbara              | VU                     | Dec       |             | Y      |      |     | H        |
| Little Bustard             | NT                     | Dec       |             | Y      |      |     | M        |

**Table 25.** Priority species recommended to the CMS for listing under CMS Appendix I or II, as appropriate.

| Common Name                     | Species Name                       | Red List Category (2022) | Trend      |
|---------------------------------|------------------------------------|--------------------------|------------|
| 1. Dark-rumped Swift            | <i>Apus acuticauda</i>             | VU                       | Stable     |
| 2. Greater Adjutant             | <i>Leptoptilos dubius</i>          | EN                       | Decreasing |
| 3. Lesser Adjutant              | <i>Leptoptilos javanicus</i>       | VU                       | Decreasing |
| 4. Yellow-eyed Pigeon           | <i>Columba eversmanni</i>          | VU                       | Decreasing |
| 5. Indian Skimmer <sup>47</sup> | <i>Rynchops albicollis</i>         | EN                       | Decreasing |
| 6. Lesser Florican              | <i>Sypheotides indicus</i>         | CR                       | Decreasing |
| 7. Snowy Owl                    | <i>Bubo scandiacus</i>             | VU                       | Decreasing |
| 8. Matsudaira's Storm-petrel    | <i>Hydrobates matsudairae</i>      | VU                       | Unknown    |
| 9. Black-headed Ibis            | <i>Threskiornis melanocephalus</i> | NT                       | Decreasing |

*Note: All these species are now included in the priority list being tabled at CMS COP14<sup>48</sup>.*

<sup>47</sup> Prioritised for listing and development of a single species action plan as per UNEP/CMS/Resolution 12.12 (Rev.COP13).

<sup>48</sup> ScC-SC6/Doc.13.3 Potential Avian Taxa for Listing <https://www.cms.int/en/document/potential-avian-taxa-listing>

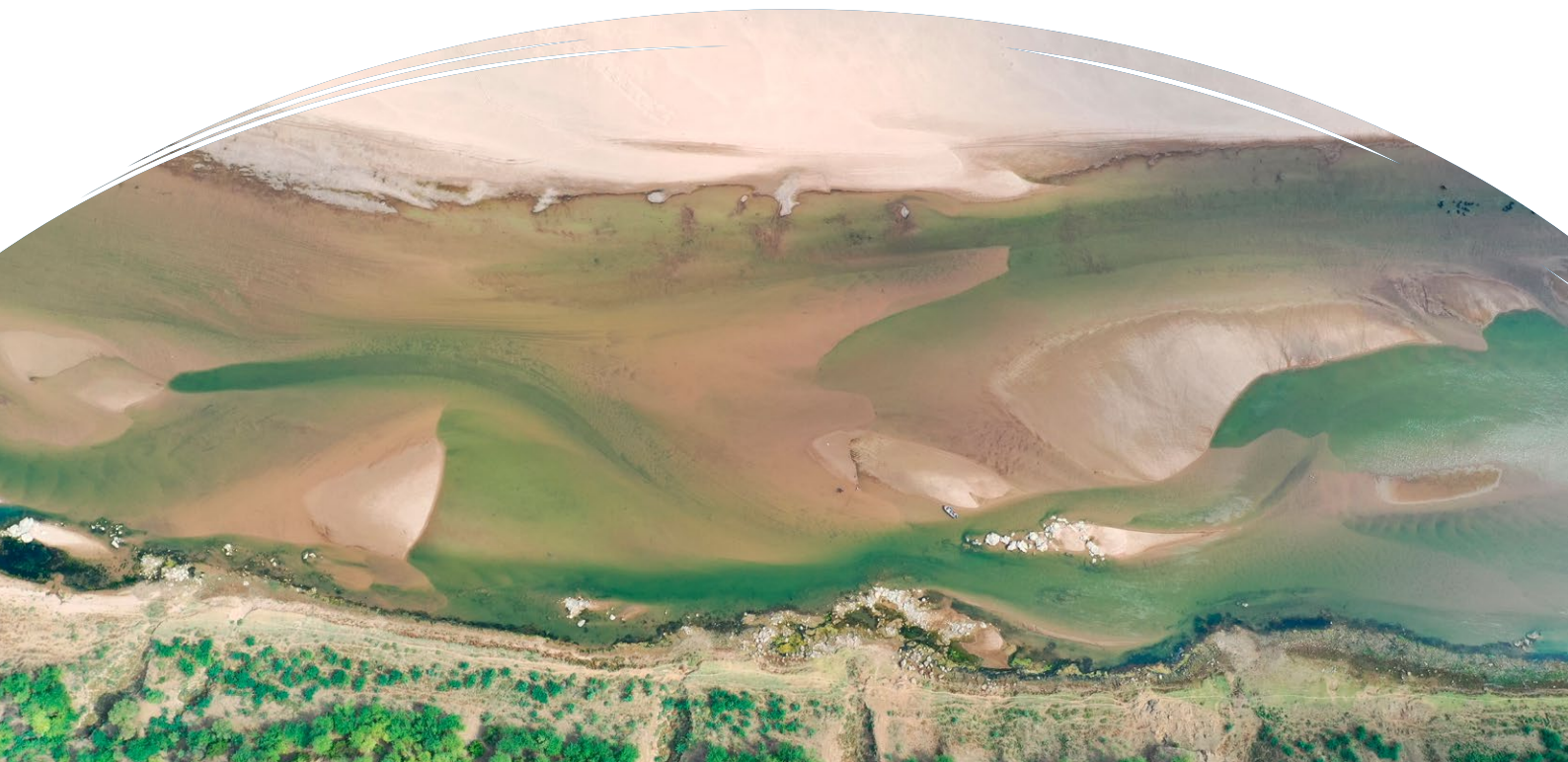


## Acronyms and Abbreviations

|                 |   |
|-----------------|---|
| <b>AEMLAP</b>   | African-Eurasian Migratory Landbirds Action Plan  |
| <b>AEWA</b>     | African Eurasian Migratory Waterbird Agreement  |
| <b>AMBI</b>     | Arctic Migratory Bird Initiative  |
| <b>CAF</b>      | Central Asian Flyway  |
| <b>CAFF</b>     | Conservation of Arctic Flora and Fauna  |
| <b>CBD</b>      | Convention on Biological Diversity  |
| <b>CHM</b>      | Clearing House Mechanism  |
| <b>CIC</b>      | International Council for Game & Wildlife Conservation  |
| <b>CMS</b>      | Convention on the Conservation of Migratory Species of Wild Animals                                 |
| <b>EAAFP</b>    | East Asian - Australasian Flyway Partnership  |
| <b>FAO</b>      | Food and Agriculture Organisation   |
| <b>FLAP</b>     | Friends of the Landbirds Action Plan linked to the African-Eurasian Migratory Landbirds Action Plan |
| <b>FWG</b>      | CMS Flyways Working Group   |
| <b>GBF</b>      | Global Biodiversity Framework.  |
| <b>GCF</b>      | Green Climate Fund  |
| <b>GEF</b>      | Global Environment Facility   |
| <b>GFN</b>      | Global Flyways Network  |
| <b>ICF</b>      | International Crane Foundation  |
| <b>IPBES</b>    | Intergovernmental Platform on Biodiversity and Ecosystem Services                                   |
| <b>IPM</b>      | Integrated Pest Management  |
| <b>IRENA</b>    | International Renewable Energy Agency   |
| <b>IUCN SSC</b> | World Conservation Union Species Survival Commission  |
| <b>MEA</b>      | Multilateral Environmental Agreement  |
| <b>MLSG</b>     | Migrant Landbird species Study Group linked to the African-Eurasian Migratory Landbirds Action Plan |
| <b>NAP</b>      | National Adaptation Plans under UNFCCC  |
| <b>NBS</b>      | Nature-based Solutions  |
| <b>NBSAP</b>    | National Biodiversity Strategy and Action Plan under UNFCCC   |
| <b>NDC</b>      | Nationally Determined Contribution under UNFCCC   |

|               |  |
|---------------|--|
| <b>NGO</b>    | Non-Government Organization  |
| <b>POW</b>    | Programme of Work on Migratory Birds and Flyways                               |
| <b>POWPA</b>  | Programme of Work on Protected Areas of the Convention on Biological Diversity |
| <b>RFMO</b>   | Regional Fisheries Management Organization                                     |
| <b>SSAP</b>   | Single Species Action Plan   |
| <b>SGAR</b>   | Second Generation Anticoagulant Rodenticides                                   |
| <b>SPMS</b>   | Strategic Plan for Migratory Species 2015-2023                                 |
| <b>SSAP</b>   | Single Species Action Plan   |
| <b>TNC</b>    | The Nature Conservancy   |
| <b>UNCCD</b>  | United Nations Convention to Combat Desertification                            |
| <b>UNEP</b>   | United Nations Environment Programme   |
| <b>UNFCCC</b> | United Nations Framework Convention on Climate Change                          |
| <b>UNWTO</b>  | United Nations World Tourism Organisation                                      |
| <b>WCASN</b>  | West/Central Asian Site Network for Siberian Crane and other waterbirds        |
| <b>WCS</b>    | Wildlife Conservation Society  |
| <b>WHC</b>    | World Heritage Convention  |
| <b>WHS</b>    | World Heritage Site  |
| <b>WI</b>     | Wetlands International   |
| <b>WMBD</b>   | World Migratory Bird Day   |
| <b>WWF</b>    | World Wide Fund for Nature   |

Aerial view of emerging sandbars in Chambal, India. (Photo: Sajal Sharma)





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# Annexes



Greater Flamingo  
(photo: Arnold Meijer / Agami)



## Annexes

### Annex 1. Overview of international cooperation frameworks within the CAF

| Country <sup>1</sup>   | Country code | Raptors MOU | AEWA        | CAF Water bird AP | AEMLAP    | EAAFP        | Ramsar      | CMS         | CITES       |
|--|--------------|-------------|-------------|-------------------|-----------|--------------|-------------|-------------|-------------|
| Afghanistan  | AF           | R           |             | R                 | R         |              |             | C           | C           |
| Armenia  | AM           | C           | C           | R                 | R         |              | C           | C           | C           |
| Azerbaijan   | AZ           | R           | R           | R                 | R         |              | C           |             | C           |
| Bahrain  | BH           | R           | R           | R                 | R         |              | C           | C           | C           |
| Bangladesh   | BD           | R           |             | R                 |           | C            | C           | C           | C           |
| Bhutan   | BT           | R           |             | R                 |           |              | C           |             | C           |
| BIOT (United Kingdom)  | IO           |             |             | R                 | R         |              | C           | C           | C           |
| China, People's Republic                                     | CN           | R           |             | R                 |           | C            | C           |             | C           |
| Georgia  | GE           | R           | C           | R                 | R         |              | C           | C           | C           |
| India  | IN           | C           |             | R                 | R         |              | C           | C           | C           |
| Iran, Islamic Republic                                       | IR           | C           | R           | R                 | R         |              | C           | C           | C           |
| Iraq   | IQ           | R           | R           | R                 | R         |              | C           | C           | C           |
| Kazakhstan   | KZ           | R           | R           | R                 | R         |              | C           | C           | C           |
| Kuwait   | KW           | R           | R           | R                 | R         |              | C           |             | C           |
| Kyrgyzstan   | KG           | R           |             | R                 | R         |              | C           | C           | C           |
| Maldives   | MV           |             |             | R                 | R         |              |             | C           | C           |
| Mongolia   | MN           | C           |             | R                 |           | C            | C           | C           | C           |
| Myanmar  | MM           |             |             | R                 |           | C            | C           |             | C           |
| Nepal  | NP           | C           |             | R                 | R         |              | C           |             | C           |
| Oman   | OM           | R           | R           | R                 | R         |              | C           | C           | C           |
| Pakistan   | PK           | C           |             | R                 | R         |              | C           | C           | C           |
| Qatar  | QA           | R           | R           | R                 | R         |              |             |             | C           |
| Russian Federation   | RU           | R           | R           | R                 | R         | C            | C           |             | C           |
| Saudi Arabia   | SA           | C           | C           | R                 | R         |              |             | C           | C           |
| Sri Lanka  | LK           | R           |             | R                 | R         |              | C           | C           | C           |
| Tajikistan   | TJ           | R           |             | R                 | R         |              | C           |             | C           |
| Turkmenistan   | TM           | R           | C           | R                 | R         |              | C           | C           | C           |
| United Arab Emirates   | AE           | C           | R           | R                 | R         |              | C           | C           | C           |
| Uzbekistan   | UZ           | R           | C           | R                 | R         |              | C           | C           | C           |
| Yemen  | YE           | C           | R           | R                 | R         |              | C           | C           | C           |
| <b>No. of Contracting Parties/<br/>Partners/ Signatories</b> |              | <b>9</b>    | <b>5</b>    | <b>0</b>          | <b>0</b>  | <b>5</b>     | <b>26</b>   | <b>22</b>   | <b>29</b>   |
| <b>Total no. of Range States</b>                             |              | <b>27</b>   | <b>16</b>   | <b>30</b>         | <b>25</b> | <b>5</b>     | <b>30</b>   | <b>30</b>   | <b>30</b>   |
| <b>%</b>   |              | <b>33.3</b> | <b>31.3</b> |                   |           | <b>100.0</b> | <b>86.7</b> | <b>73.3</b> | <b>96.7</b> |

**Key** - C - Contracting Party/Partner/Signatory; R - Range State

1 <https://www.un.org/en/about-us/member-states>

All 30 countries are party to the United Nations Framework Convention on Climate Change (UNFCCC) and United Nations Convention to Combat Desertification (UNCCD) and these are not included in the table above.

#### Sources:

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## Annex 2. BirdLife International's CAF Situation Analysis Project plan 2022-2023

### Objective

To advance conservation of migratory birds in the Central Asian Flyway, BirdLife International, under the current project and in line with CMS objectives, aims:

- To produce a concise situation analysis that serves as a generally accepted baseline for priority setting of migratory bird conservation actions in the (CMS-defined) geography of the Central Asian Flyway and places these priorities in the context of the wider development agenda for the region.
- The situation analysis will support the planning and work of the CMS CAF Secretariat and will be one of 5 outputs that will be presented to the CMS Conference of Parties at CMS COP 14 in May 2023.
- On the basis of a literature review and consultation with national and international experts, the conservation status of migratory birds of the CAF will be summarized, the most important existing and emerging threats and opportunities affecting them will be identified and their impacts reviewed.

A Brown-headed gull being satellite-tagged at Mannar, Sri Lanka. (Photo: Hima Kumari)



Particular emphasis will be given to the development context within which these priorities will need to be addressed, particularly the pressing need for urgent action to mitigate and adapt to climate change. Governments and other key stakeholders are invited to join in information collection and review to ensure maximal alignment with ongoing policy, planning and conservation initiatives at national and international levels, and especially with the development of a programme of work for the CMS CAF secretariat and institutional framework.

Apart from providing crucial information for conservation planning, the development of the situation analysis is also an instrumental step in strengthening flyway-scale collaboration.

### **Content of the report**

The report will summarize key information relevant for the conservation of migratory birds in the Central Asian Flyway, covering all taxonomic groups: waterbirds, seabirds, raptors and other land birds. The information gathered will be reviewed and aligned in the context of existing international commitments of countries, especially under the Convention on Migratory Species (CMS).

The report will cover the following aspects:

- Ecology and importance of Central Asian Flyway, including a comprehensive review of conservation status of migratory species, key habitats and sites, and knowledge gaps
- Critical Site Networks across the flyway for waterbirds, raptors and land birds
- Ranked list of threats to migratory birds and their drivers
- Measures in place to protect and conserve migratory birds, key sites and habitats, and identification of effectiveness and gaps
- Priorities for conservation action
- Opportunities to build on for successful conservation of migratory species and their habitats
- Opportunities to align these priorities with development agendas in the region particularly climate change mitigation and adaptation measures

As much as possible the information will be presented at the level of the whole Flyway and per country.

### **Project components**

1. **Project definition:** Project initiation to develop a comprehensive review of migratory birds of Central Asian Flyway as defined by CMS. Recruitment of consultants and creation of project team. Identification of sources of information (e.g. literature, datasets, organisations and experts). Strategies for data collection and analysis defined. Government and other key stakeholders will be informed through CMS and AEWA Secretariats about the scope, methodology and consultation/adoption/dissemination plans, and requested to participate.
2. **Data collection:** Data requests to BirdLife International, Wetlands International and other identified data holders. Review of scientific literature (including in English and Russian). Review of national reports to relevant treaties. Submitting questionnaires (with guidance notes) to national and international experts. Online consultation with stakeholders and experts.
3. **A. Context assessment - Climate Change:** Review of climate change scenarios for the flyway (IPCC report). Estimation implications for species, sites and habitats. Review planned national response to climate change as set out in the Nationally Determined Contributions (NDCs) to combat climate change in the context of the UN Framework Convention on Combating Climate Change (UNFCCC). Identification of alignment opportunities for flyway conservation and Climate Change mitigation and adaptation measures in the region (win-win opportunities).  
**B. Context assessment - Institutional Resources:** Review of institutional resources of key government agencies/institutions for the conservation of migratory bird species and their habitats. Review planned national response to biodiversity conservation, such as set out in National Biodiversity Strategies and Action Plans. Preliminary identification of alignment opportunities for flyway and biodiversity conservation measures in the region from major multilateral public and private sources.

4. Analysis: Data compilation and synthesis. Drafting of report for consultation.
5. Review: Consultation with key stakeholders, including government agencies, relevant MEAs, and international experts. Comments from the various consultations will be incorporated into the drafts as appropriate and where consensus cannot be reached, all key varying opinions (especially of governments) will be recorded in the report.
6. Communication: Final draft report and development, production, translation and dissemination of a summary leaflet.
7. Endorsement: As appropriate by first intergovernmental meeting of CAF institutional framework established under CMS, following consultation also with the CMS Scientific Council, sharing for information with CMS COP14 and relevant other parties.

### Timelines

The project will start as soon as all necessary resources have been secured. The draft report for consultation will be ready by November 2022. Review process will be led by CMS Secretariat and will take place between November 2022 and May 2023.

A detailed planning will be developed in the first phase of the project.

### Relevant project partners

While this project proposal is initiated and led by BirdLife International via its Central Asian Flyway Initiative (CAFI), it is intended to support the work of the CMS CAF Secretariat and be embraced also by the relevant intergovernmental processes and all key stakeholders involved in the conservation of the CAF, and to provide a common baseline for all conservation action to address threats along the flyway.

BirdLife Partners and associated non-governmental nature conservation organisations from throughout the Central Asian Flyway work together through the BirdLife Central Asian Flyway Initiative (CAFI), an inclusive collaborative effort led by BirdLife International Partners to conserve migratory species and natural habitats along the Central Asian Flyway. Key strategic objectives of CAFI include Scientific research & monitoring, Habitat conservation and restoration, Transboundary cooperation, National and international policy advocacy, and Capacity building.

Other organisations that will be consulted (and their expertise sought) in the project include:

- Government agencies dealing with migratory bird conservation in India and other CAF range states
- Convention on the Conservation of Migratory Species of Wild Animals (CMS), including Agreement on the Conservation of African-Eurasian Migratory Waterbirds (AEWA), Memorandum of Understanding on the Conservation of Migratory Birds of Prey in Africa and Eurasia (Raptors MoU), and African-Eurasian Migratory Landbirds Action Plan (AEMLAP)
- Wildlife Institute of India.
- Arctic Migratory Bird Initiative (AMBI) of the Council of the Arctic Flora and Fauna (CAFF), essentially with a bilateral Russia-India focus
- The East Asian - Australasian Flyway Partnership (EAAFP)
- International Union for Conservation of Nature (IUCN)
- BirdLife Partner Organizations operating in Central Asian Flyway range states.
- Wetlands International
- International Crane Foundation (ICF)

### Contacts

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**Countries included in the CAF Situation Analysis include:**

Central/North Asia Azerbaijan, Armenia, Georgia, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Turkmenistan, Uzbekistan, Russia, China West Asia/Middle East Bahrain, Iran, Iraq, Kuwait, Oman, Qatar, Saudi Arabia, United Arab Emirates, Yemen South Asia Afghanistan, Bangladesh, Bhutan, British Indian Ocean Territory, India, Maldives, Myanmar, Nepal, Pakistan, and Sri Lanka.

For some countries, such as China, Iraq, Georgia, Russia and Saudi Arabia, part of the country may be included, as defined by the migratory movements of the bird populations into the CAF.

Capacity building of young Omanis to conduct the annual International Waterbird Census, Barr Al Hikman, Oman, a newly designated Ramsar Site, January 2022 (Photo Taej Mundkur)



### Annex 3. Overview of Migratory Birds of the CAF Region included in the Situation Analysis

| Family                               | No of species |
|--------------------------------------|---------------|
| Accipitridae (Hawks, Eagles)         | 47            |
| Acrocephalidae (Reed-warblers)       | 12            |
| Aegithalidae (Long-tailed Tits)      | 2             |
| Alaudidae (Larks)                    | 12            |
| Alcedinidae (Kingfishers)            | 3             |
| Anatidae (Ducks, Geese, Swans)       | 38            |
| Apodidae (Swifts)                    | 4             |
| Ardeidae (Hérons)                    | 17            |
| Bombycillidae (Waxwings)             | 1             |
| Burhinidae (Thick-knees)             | 1             |
| Calcariidae (Longspurs)              | 2             |
| Campephagidae (Cuckooshrikes)        | 5             |
| Caprimulgidae (Nightjars)            | 3             |
| Charadriidae (Plovers)               | 15            |
| Ciconiidae (Storks)                  | 6             |
| Cinclidae (Dippers)                  | 1             |
| Cisticolidae (Cisticolas and allies) | 1             |
| Columbidae (Pigeons, Doves)          | 11            |
| Coraciidae (Rollers)                 | 1             |
| Corvidae (Crows and jays)            | 5             |
| Cuculidae (Cuckoos)                  | 12            |
| Dicruridae (Drongos)                 | 3             |
| Dromadidae (Crab-plover)             | 1             |
| Emberizidae (Old World Buntings)     | 11            |
| Falconidae (Falcons, Caracaras)      | 10            |
| Fregatidae (Frigate birds)           | 1             |
| Fringillidae (Finches)               | 17            |
| Gaviidae (Loons/Divers)              | 1             |
| Glareolidae (Coursers, Pratincoles)  | 5             |
| Gruidae (Cranes)                     | 5             |
| Haematopodidae (Oystercatchers)      | 1             |
| Hirundinidae (Swallows and martins)  | 9             |
| Hydrobatidae (Storm-petrels)         | 2             |
| Hypocoliidae (Hypocolius)            | 1             |

| <b>Family</b>  | <b>No of species</b> |
|--|----------------------|
| Ibidorhynchidae (Ibisbill)                           | 1                    |
| Jacanidae (Jacanas)                                  | 1                    |
| Laniidae (Shrikes)                                   | 8                    |
| Laridae (Gulls, Terns, Skimmers)                     | 29                   |
| Locustellidae (Grasshopper-warblers and grassbirds)  | 9                    |
| Meropidae (Bee-eaters)                               | 4                    |
| Monarchidae (Monarch-flycatchers)                    | 2                    |
| Motacillidae (Pipits and Wagtails)                   | 16                   |
| Muscicapidae (Old World Flycatchers and Chats)       | 61                   |
| Oceanitidae (Southern Storm-petrels)                 | 3                    |
| Oriolidae (Old World Orioles)                        | 5                    |
| Otididae (Bustards)                                  | 6                    |
| Pandionidae (Osprey)                                 | 1                    |
| Panuridae (Bearded Reedling)                         | 1                    |
| Paridae ( Tits and chickadees)                       | 1                    |
| Passeridae (Old World Sparrows)                      | 1                    |
| Pelecanidae (Pelicans)                               | 3                    |
| Phaethontidae (Tropicbirds)                          | 1                    |
| Phalacrocoracidae (Cormorants)                       | 3                    |
| Phasianidae (Pheasants, Partridges, Turkeys, Grouse) | 1                    |
| Phoenicopteridae (Flamingos)                         | 2                    |
| Phylloscopidae (Leaf-warblers)                       | 27                   |
| Picidae (Woodpeckers)                                | 5                    |
| Pittidae (Pittas)                                    | 1                    |
| Podicipedidae (Grebes)                               | 5                    |
| Procellariidae (Petrels, Shearwaters)                | 6                    |
| Prunellidae (Accentors)                              | 2                    |
| Psittacidae (Parrots)                                | 2                    |
| Pteroclididae (Sandgrouse)                           | 4                    |
| Pycnonotidae (Bulbuls)                               | 2                    |
| Rallidae (Rails, Gallinules, Coots)                  | 13                   |
| Recurvirostridae (Avocets, Stilts)                   | 2                    |
| Regulidae (Kinglets and firecrests)                  | 1                    |
| Remizidae (Penduline-tits)                           | 1                    |
| Rhipiduridae (Fantails)                              | 1                    |
| Scolopacidae (Sandpipers, Snipes, Phalaropes)        | 36                   |
| Scotocercidae (Bush-warblers)                        | 13                   |
| Sittidae (Nuthatches)                                | 1                    |
| Stenostiridae (Fairy Flycatcher and allies)          | 2                    |
| Stercorariidae (Skuas)                               | 2                    |

| <b>Family</b>                          | <b>No of species</b> |
|--|----------------------|
| Strigidae (Typical Owls)               | 11                   |
| Sturnidae (Starlings)                  | 3                    |
| Sulidae (Gannets, Boobies)             | 2                    |
| Sylviidae (Old World Warblers)         | 5                    |
| Threskiornithidae (Ibises, Spoonbills) | 4                    |
| Troglodytidae (Wrens)                  | 1                    |
| Turdidae (Thrushes)                    | 25                   |
| Turnicidae (Buttonquails)              | 1                    |
| Upupidae (Hoopoes)                     | 1                    |
| Zosteropidae (White eyes)              | 1                    |
| <b>Total number of species</b>         | <b>605</b>           |

A Sociable lapwing seen next to a Yellow wagtail in Uzbekistan. (Photo: Oleg Kashkarov)



#### Annex 4. Working List of Migratory Birds of the CAF Region included in the Situation Analysis

| Family       | Scientific Name            | Common Name            | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEM LAP | AEWA | CAF Waterbird Action Plan |
|--------------|----------------------------|------------------------|--------------------------|-----------|------------|-------------|-------------|---------|------|---------------------------|
| Accipitridae | <i>Accipiter badius</i>    | Shikra                 | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Accipiter gentilis</i>  | Northern Goshawk       | LC                       | Unk       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Accipiter nisus</i>     | Eurasian Sparrowhawk   | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Accipiter virgatus</i>  | Besra                  | LC                       | Dec       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Aegypius monachus</i>   | Cinereous Vulture      | NT                       | Dec       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Aquila chrysaetos</i>   | Golden Eagle           | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Aquila fasciata</i>     | Bonelli's Eagle        | LC                       | Dec       |            | Y           |             |         |      |                           |
| Accipitridae | <i>Aquila heliaca</i>      | Eastern Imperial Eagle | VU                       | Dec       | Y          | Y           | Y           |         |      |                           |
| Accipitridae | <i>Aquila nipalensis</i>   | Steppe Eagle           | EN                       | Dec       | Y          | Y           | Y           |         |      |                           |
| Accipitridae | <i>Aquila rapax</i>        | Tawny Eagle            | VU                       | Dec       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Aviceda jerdoni</i>     | Jerdon's Baza          | LC                       | Dec       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Aviceda leuphotes</i>   | Black Baza             | LC                       | Dec       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Butastur teesa</i>      | White-eyed Buzzard     | LC                       | Sta       |            | Y           |             |         |      |                           |
| Accipitridae | <i>Buteo buteo</i>         | Eurasian Buzzard       | LC                       | Inc       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Buteo hemilasius</i>    | Upland Buzzard         | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Buteo japonicus</i>     | Japanese Buzzard       | LC                       | Unk       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Buteo lagopus</i>       | Rough-legged Buzzard   | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Buteo rufinus</i>       | Long-legged Buzzard    | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Circaetus gallicus</i>  | Short-toed Snake-eagle | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Circus aeruginosus</i>  | Western Marsh-harrier  | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Circus cyaneus</i>      | Hen Harrier            | LC                       | Dec       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Circus macrourus</i>    | Pallid Harrier         | NT                       | Dec       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Circus melanoleucos</i> | Pied Harrier           | LC                       | Dec       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Circus pygargus</i>     | Montagu's Harrier      | LC                       | Dec       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Circus spilonotus</i>   | Eastern Marsh-harrier  | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Clanga clanga</i>       | Greater Spotted Eagle  | VU                       | Dec       | Y          | Y           | Y           |         |      |                           |
| Accipitridae | <i>Clanga pomarina</i>     | Lesser Spotted Eagle   | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Gypaetus barbatus</i>   | Bearded Vulture        | NT                       | Dec       |            | Y           | Y           |         |      |                           |
| Accipitridae | <i>Gyps bengalensis</i>    | White-rumped Vulture   | CR                       | Dec       | Y          | Y           | Y           |         |      |                           |
| Accipitridae | <i>Gyps fulvus</i>         | Griffon Vulture        | LC                       | Inc       |            | Y           | Y           |         |      |                           |

| Family         | Scientific Name                  | Common Name               | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|----------------|----------------------------------|---------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Accipitridae   | <i>Gyps himalayensis</i>         | Himalayan Griffon         | NT                       | Dec       |            | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Gyps indicus</i>              | Indian Vulture            | CR                       | Dec       | Y          | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Gyps tenuirostris</i>         | Slender-billed Vulture    | CR                       | Dec       | Y          | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Haliaeetus albicilla</i>      | White-tailed Sea-eagle    | LC                       | Inc       | Y          | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Haliaeetus leucoryphus</i>    | Pallas's Fish-eagle       | EN                       | Dec       | Y          | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Haliaastur indus</i>          | Brahminy Kite             | LC                       | Dec       |            | Y           |             |        |      |                           |
| Accipitridae   | <i>Hieraaetus pennatus</i>       | Booted Eagle              | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Icthyophaga humilis</i>       | Lesser Fish-eagle         | NT                       | Dec       |            | Y           |             |        |      |                           |
| Accipitridae   | <i>Ictinaetus malaiensis</i>     | Black Eagle               | LC                       | Dec       |            | Y           |             |        |      |                           |
| Accipitridae   | <i>Milvus migrans</i>            | Black Kite                | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Neophron percnopterus</i>     | Egyptian Vulture          | EN                       | Dec       | Y          | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Nisaetus nipalensis</i>       | Mountain Hawk-eagle       | NT                       | Dec       |            | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Pernis apivorus</i>           | European Honey-buzzard    | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Pernis ptilorhynchus</i>      | Oriental Honey-buzzard    | LC                       | Dec       |            | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Sarcogyps calvus</i>          | Red-headed Vulture        | CR                       | Dec       | Y          | Y           | Y           |        |      |                           |
| Accipitridae   | <i>Spilornis cheela</i>          | Crested Serpent-eagle     | LC                       | Sta       |            | Y           |             |        |      |                           |
| Accipitridae   | <i>Torgos tracheliotos</i>       | Lappet-faced Vulture      | EN                       | Dec       | Y          | Y           | Y           |        |      |                           |
| Acrocephalidae | <i>Acrocephalus agricola</i>     | Paddyfield Warbler        | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Acrocephalus bistrigiceps</i> | Black-browed Reed-warbler | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Acrocephalus concinens</i>    | Blunt-winged Warbler      | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Acrocephalus dumetorum</i>    | Blyth's Reed-warbler      | LC                       | Inc       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Acrocephalus melanopogon</i>  | Moustached Warbler        | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Acrocephalus orientalis</i>   | Oriental Reed-warbler     | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Acrocephalus orinus</i>       | Large-billed Reed-warbler | DD                       | Unk       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Acrocephalus scirpaceus</i>   | Common Reed-warbler       | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Acrocephalus stentoreus</i>   | Clamorous Reed-warbler    | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Arundinax aedon</i>           | Thick-billed Warbler      | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Iduna caligata</i>            | Booted Warbler            | LC                       | Inc       |            | Y           |             | Y      |      |                           |
| Acrocephalidae | <i>Iduna rama</i>                | Sykes's Warbler           | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Aegithalidae   | <i>Aegithalos caudatus</i>       | Long-tailed Tit           | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Aegithalidae   | <i>Leptopoecile sophiae</i>      | White-browed Tit-warbler  | LC                       | Sta       |            | Y           |             |        |      |                           |
| Alaudidae      | <i>Alauda arvensis</i>           | Eurasian Skylark          | LC                       | Dec       |            |             |             | Y      |      |                           |
| Alaudidae      | <i>Alauda gulgula</i>            | Oriental Skylark          | LC                       | Dec       |            |             |             | Y      |      |                           |
| Alaudidae      | <i>Alauda leucoptera</i>         | White-winged Lark         | LC                       | Dec       |            |             |             | Y      |      |                           |
| Alaudidae      | <i>Alauda rufescens</i>          | Lesser Short-toed Lark    | LC                       | Dec       |            |             |             | Y      |      |                           |
| Alaudidae      | <i>Calandrella acutirostris</i>  | Hume's Lark               | LC                       | Sta       |            |             |             | Y      |      |                           |

| Family      | Scientific Name                  | Common Name               | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|-------------|----------------------------------|---------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Alaudidae   | <i>Calandrella brachydactyla</i> | Greater Short-toed Lark   | LC                       | Unk       |            |             |             | Y      |      |                           |
| Alaudidae   | <i>Calandrella dukhunensis</i>   | Eastern Short-toed Lark   | LC                       | Unk       |            |             |             |        |      |                           |
| Alaudidae   | <i>Eremophila alpestris</i>      | Horned Lark               | LC                       | Dec       |            |             |             | Y      |      |                           |
| Alaudidae   | <i>Galerida cristata</i>         | Crested Lark              | LC                       | Dec       |            |             |             | Y      |      |                           |
| Alaudidae   | <i>Melanocorypha bimaculata</i>  | Bimaculated Lark          | LC                       | Sta       |            |             |             | Y      |      |                           |
| Alaudidae   | <i>Melanocorypha mongolica</i>   | Mongolian Lark            | LC                       | Sta       |            |             |             | Y      |      |                           |
| Alaudidae   | <i>Mirafra javanica</i>          | Horsfield's Bushlark      | LC                       | Sta       |            |             |             | Y      |      |                           |
| Alcedinidae | <i>Alcedo atthis</i>             | Common Kingfisher         | LC                       | Unk       |            |             |             | Y      |      |                           |
| Alcedinidae | <i>Ceyx erithaca</i>             | Oriental Dwarf-kingfisher | LC                       | Dec       |            |             |             | Y      |      |                           |
| Alcedinidae | <i>Halcyon pileata</i>           | Black-capped Kingfisher   | LC                       | Dec       |            |             |             | Y      |      |                           |

**Oriental Skylark** (photo: Ralph Martin / Agami)



| Family   | Scientific Name                    | Common Name                 | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEM LAP | AEWA | CAF Waterbird Action Plan |
|----------|------------------------------------|-----------------------------|--------------------------|-----------|------------|-------------|-------------|---------|------|---------------------------|
| Anatidae | <i>Anas acuta</i>                  | Northern Pintail            | LC                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Anas crecca</i>                 | Common Teal                 | LC                       | Unk       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Anas platyrhynchos</i>          | Mallard                     | LC                       | Inc       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Anas poecilorhyncha</i>         | Indian Spot-billed Duck     | LC                       | Dec       |            | Y           |             |         |      | Y                         |
| Anatidae | <i>Anser albifrons</i>             | Greater White-fronted Goose | LC                       | Unk       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Anser anser</i>                 | Greylag Goose               | LC                       | Inc       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Anser erythropus</i>            | Lesser White-fronted Goose  | VU                       | Dec       | Y          | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Anser fabalis</i>               | Bean Goose                  | LC                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Anser indicus</i>               | Bar-headed Goose            | LC                       | Dec       |            | Y           |             |         |      | Y                         |
| Anatidae | <i>Aythya baeri</i>                | Baer's Pochard              | CR                       | Dec       | Y          | Y           |             |         |      | Y                         |
| Anatidae | <i>Aythya ferina</i>               | Common Pochard              | VU                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Aythya fuligula</i>             | Tufted Duck                 | LC                       | Sta       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Aythya marila</i>               | Greater Scaup               | LC                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Aythya nyroca</i>               | Ferruginous Duck            | NT                       | Dec       | Y          | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Branta ruficollis</i>           | Red-breasted Goose          | VU                       | Dec       | Y          | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Bucephala clangula</i>          | Common Goldeneye            | LC                       | Sta       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Clangula hyemalis</i>           | Long-tailed Duck            | VU                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Cygnus columbianus</i>          | Tundra Swan                 | LC                       | Unk       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Cygnus cygnus</i>               | Whooper Swan                | LC                       | Unk       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Cygnus olor</i>                 | Mute Swan                   | LC                       | Inc       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Dendrocygna bicolor</i>         | Fulvous Whistling-duck      | LC                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Dendrocygna javanica</i>        | Lesser Whistling-duck       | LC                       | Dec       |            | Y           |             |         |      | Y                         |
| Anatidae | <i>Mareca falcata</i>              | Falcated Duck               | NT                       | Dec       |            | Y           |             |         |      | Y                         |
| Anatidae | <i>Mareca penelope</i>             | Eurasian Wigeon             | LC                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Mareca strepera</i>             | Gadwall                     | LC                       | Inc       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Marmaronetta angustirostris</i> | Marbled Teal                | NT                       | Dec       | Y          | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Melanitta fusca</i>             | Velvet Scoter               | VU                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Mergellus albellus</i>          | Smew                        | LC                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Mergus merganser</i>            | Goosander                   | LC                       | Unk       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Mergus serrator</i>             | Red-breasted Merganser      | LC                       | Sta       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Netta rufina</i>                | Red-crested Pochard         | LC                       | Unk       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Nettapus coromandelianus</i>    | Cotton Pygmy-goose          | LC                       | Sta       |            | Y           |             |         |      | Y                         |
| Anatidae | <i>Oxyura leucocephala</i>         | White-headed Duck           | EN                       | Dec       | Y          | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Sarkidiornis melanotos</i>      | African Comb Duck           | LC                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Anatidae | <i>Spatula clypeata</i>            | Northern Shoveler           | LC                       | Dec       |            | Y           |             |         | Y    | Y                         |



| Family        | Scientific Name                 | Common Name               | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|---------------|---------------------------------|---------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Anatidae      | <i>Spatula querquedula</i>      | Garganey                  | LC                       | Dec       |            | Y           |             | Y      | Y    |                           |
| Anatidae      | <i>Tadorna ferruginea</i>       | Ruddy Shelduck            | LC                       | Unk       |            | Y           |             | Y      | Y    |                           |
| Anatidae      | <i>Tadorna tadorna</i>          | Common Shelduck           | LC                       | Inc       |            | Y           |             | Y      | Y    |                           |
| Apodidae      | <i>Apus acuticauda</i>          | Dark-rumped Swift         | VU                       | Sta       |            |             | Y           |        |      |                           |
| Apodidae      | <i>Apus affinis</i>             | Little Swift              | LC                       | Inc       |            |             | Y           |        |      |                           |
| Apodidae      | <i>Apus pacificus</i>           | Pacific Swift             | LC                       | Sta       |            |             | Y           |        |      |                           |
| Apodidae      | <i>Tachymarptis melba</i>       | Alpine Swift              | LC                       | Sta       |            |             | Y           |        |      |                           |
| Ardeidae      | <i>Ardea alba</i>               | Great White Egret         | LC                       | Unk       |            | Y           |             | Y      | Y    |                           |
| Ardeidae      | <i>Ardea cinerea</i>            | Grey Heron                | LC                       | Unk       |            |             |             | Y      | Y    |                           |
| Ardeidae      | <i>Ardea goliath</i>            | Goliath Heron             | LC                       | Sta       |            |             |             |        | Y    |                           |
| Ardeidae      | <i>Ardea intermedia</i>         | Intermediate Egret        | LC                       | Dec       |            |             |             |        |      |                           |
| Ardeidae      | <i>Ardea purpurea</i>           | Purple Heron              | LC                       | Dec       |            | Y           |             | Y      | Y    |                           |
| Ardeidae      | <i>Ardeola ralloides</i>        | Squacco Heron             | LC                       | Unk       |            |             |             | Y      | Y    |                           |
| Ardeidae      | <i>Botaurus stellaris</i>       | Eurasian Bittern          | LC                       | Dec       |            | Y           |             | Y      | Y    |                           |
| Ardeidae      | <i>Bubulcus ibis</i>            | Cattle Egret              | LC                       | Inc       |            |             |             | Y      | Y    |                           |
| Ardeidae      | <i>Butorides striata</i>        | Green-backed Heron        | LC                       | Dec       |            |             |             |        |      |                           |
| Ardeidae      | <i>Egretta garzetta</i>         | Little Egret              | LC                       | Inc       |            |             |             | Y      | Y    |                           |
| Ardeidae      | <i>Egretta gularis</i>          | Western Reef-egret        | LC                       | Sta       |            |             |             | Y      | Y    |                           |
| Ardeidae      | <i>Gorsachius melanolophus</i>  | Malay Night-heron         | LC                       | Unk       |            |             |             |        | Y    |                           |
| Ardeidae      | <i>Ixobrychus cinnamomeus</i>   | Cinnamon Bittern          | LC                       | Sta       |            |             |             |        | Y    |                           |
| Ardeidae      | <i>Ixobrychus flavicollis</i>   | Black Bittern             | LC                       | Dec       |            |             |             |        | Y    |                           |
| Ardeidae      | <i>Ixobrychus minutus</i>       | Common Little Bittern     | LC                       | Dec       |            | Y           |             | Y      | Y    |                           |
| Ardeidae      | <i>Ixobrychus sinensis</i>      | Yellow Bittern            | LC                       | Unk       |            |             |             |        |      |                           |
| Ardeidae      | <i>Nycticorax nycticorax</i>    | Black-crowned Night-heron | LC                       | Dec       |            |             |             | Y      | Y    |                           |
| Bombycillidae | <i>Bombycilla garrulus</i>      | Bohemian Waxwing          | LC                       | Inc       |            |             |             | Y      |      |                           |
| Burhinidae    | <i>Burhinus oedicnemus</i>      | Eurasian Thick-knee       | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Calcariidae   | <i>Calcarius lapponicus</i>     | Lapland Longspur          | LC                       | Inc       |            |             |             | Y      |      |                           |
| Calcariidae   | <i>Plectrophenax nivalis</i>    | Snow Bunting              | LC                       | Dec       |            |             |             | Y      |      |                           |
| Campephagidae | <i>Lalage melanoptera</i>       | Black-headed Cuckooshrike | LC                       | Sta       |            |             |             | Y      |      |                           |
| Campephagidae | <i>Lalage melaschistos</i>      | Black-winged Cuckooshrike | LC                       | Dec       |            |             |             | Y      |      |                           |
| Campephagidae | <i>Pericrocotus divaricatus</i> | Ashy Minivet              | LC                       | Dec       |            |             |             | Y      |      |                           |
| Campephagidae | <i>Pericrocotus ethologus</i>   | Long-tailed Minivet       | LC                       | Dec       |            |             |             | Y      |      |                           |
| Campephagidae | <i>Pericrocotus roseus</i>      | Rosy Minivet              | LC                       | Dec       |            |             |             | Y      |      |                           |
| Caprimulgidae | <i>Caprimulgus indicus</i>      | Jungle Nightjar           | LC                       | Sta       |            |             |             | Y      |      |                           |

| Family        | Scientific Name                 | Common Name          | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|---------------|---------------------------------|----------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Caprimulgidae | <i>Caprimulgus jotaka</i>       | Grey Nightjar        | LC                       | Sta       |            |             |             |        |      |                           |
| Caprimulgidae | <i>Caprimulgus mahrattensis</i> | Sykes's Nightjar     | LC                       | Sta       |            |             |             | Y      |      |                           |
| Charadriidae  | <i>Charadrius alexandrinus</i>  | Kentish Plover       | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Charadriidae  | <i>Charadrius asiaticus</i>     | Caspian Plover       | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Charadriidae  | <i>Charadrius dubius</i>        | Little Ringed Plover | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Charadriidae  | <i>Charadrius hiaticula</i>     | Common Ringed Plover | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Charadriidae  | <i>Charadrius leschenaultii</i> | Greater Sandplover   | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Charadriidae  | <i>Charadrius mongolus</i>      | Lesser Sandplover    | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Charadriidae  | <i>Charadrius placidus</i>      | Long-billed Plover   | LC                       | Dec       |            | Y           |             |        |      | Y                         |

**Yellow Bittern** (photo: Bas van den Bogaard / Agami)



| Family       | Scientific Name                   | Common Name             | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|--------------|-----------------------------------|-------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Charadriidae | <i>Eudromias morinellus</i>       | Eurasian Dotterel       | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Charadriidae | <i>Pluvialis apricaria</i>        | Eurasian Golden Plover  | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |
| Charadriidae | <i>Pluvialis fulva</i>            | Pacific Golden Plover   | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Charadriidae | <i>Pluvialis squatarola</i>       | Grey Plover             | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Charadriidae | <i>Vanellus cinereus</i>          | Grey-headed Lapwing     | LC                       | Dec       |            | Y           |             |        |      | Y                         |
| Charadriidae | <i>Vanellus gregarius</i>         | Sociable Lapwing        | CR                       | Dec       | Y          | Y           |             |        | Y    | Y                         |
| Charadriidae | <i>Vanellus leucurus</i>          | White-tailed Lapwing    | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Charadriidae | <i>Vanellus vanellus</i>          | Northern Lapwing        | NT                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Ciconiidae   | <i>Ciconia ciconia</i>            | White Stork             | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |
| Ciconiidae   | <i>Ciconia nigra</i>              | Black Stork             | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Ciconiidae   | <i>Leptoptilos dubius</i>         | Greater Adjutant        | EN                       | Dec       |            |             |             |        |      | Y                         |
| Ciconiidae   | <i>Leptoptilos javanicus</i>      | Lesser Adjutant         | VU                       | Dec       |            |             |             |        |      | Y                         |
| Ciconiidae   | <i>Anastomus oscitans</i>         | Asian Openbill          | LC                       | Unk       |            |             |             |        |      | Y                         |
| Ciconiidae   | <i>Mycteria leucocephala</i>      | Painted Stork           | NT                       | Dec       |            |             |             |        |      |                           |
| Cinclidae    | <i>Cinclus cinclus</i>            | White-throated Dipper   | LC                       | Dec       |            |             |             | Y      |      |                           |
| Cisticolidae | <i>Cisticola juncidis</i>         | Zitting Cisticola       | LC                       | Inc       |            |             |             | Y      |      |                           |
| Columbidae   | <i>Columba eversmanni</i>         | Yellow-eyed Pigeon      | VU                       | Dec       |            |             |             | Y      |      |                           |
| Columbidae   | <i>Columba hodgsonii</i>          | Speckled Woodpigeon     | LC                       | Sta       |            |             |             | Y      |      |                           |
| Columbidae   | <i>Columba leuconota</i>          | Snow Pigeon             | LC                       | Sta       |            |             |             | Y      |      |                           |
| Columbidae   | <i>Columba oenas</i>              | Stock Dove              | LC                       | Inc       |            |             |             | Y      |      |                           |
| Columbidae   | <i>Columba palumbus</i>           | Common Woodpigeon       | LC                       | Inc       |            |             |             | Y      |      |                           |
| Columbidae   | <i>Spilopelia senegalensis</i>    | Laughing Dove           | LC                       | Sta       |            |             |             | Y      |      |                           |
| Columbidae   | <i>Spilopelia suratensis</i>      | Western Spotted Dove    | LC                       | Inc       |            |             |             |        |      |                           |
| Columbidae   | <i>Streptopelia decaocto</i>      | Eurasian Collared-dove  | LC                       | Inc       |            |             |             | Y      |      |                           |
| Columbidae   | <i>Streptopelia orientalis</i>    | Oriental Turtle-dove    | LC                       | Sta       |            |             |             | Y      |      |                           |
| Columbidae   | <i>Streptopelia tranquebarica</i> | Red Turtle-dove         | LC                       | Dec       |            |             |             | Y      |      |                           |
| Columbidae   | <i>Treron apicauda</i>            | Pin-tailed Green-pigeon | LC                       | Dec       |            |             |             | Y      |      |                           |
| Coraciidae   | <i>Coracias benghalensis</i>      | Indian Roller           | LC                       | Inc       | Y          | Y           |             | Y      |      |                           |
| Corvidae     | <i>Corvus corax</i>               | Common Raven            | LC                       | Inc       |            |             |             | Y      |      |                           |
| Corvidae     | <i>Corvus corone</i>              | Carrion Crow            | LC                       | Inc       |            |             |             | Y      |      |                           |
| Corvidae     | <i>Corvus frugilegus</i>          | Rook                    | LC                       | Dec       |            |             |             | Y      |      |                           |
| Corvidae     | <i>Corvus monedula</i>            | Eurasian Jackdaw        | LC                       | Sta       |            |             |             | Y      |      |                           |
| Corvidae     | <i>Pica pica</i>                  | Eurasian Magpie         | LC                       | Sta       |            |             |             | Y      |      |                           |
| Cuculidae    | <i>Cacomantis merulinus</i>       | Plaintive Cuckoo        | LC                       | Sta       |            |             |             |        |      |                           |
| Cuculidae    | <i>Cacomantis passerinus</i>      | Grey-bellied Cuckoo     | LC                       | Sta       |            |             |             | Y      |      |                           |
| Cuculidae    | <i>Cacomantis sonneratii</i>      | Banded Bay Cuckoo       | LC                       | Sta       |            |             |             | Y      |      |                           |
| Cuculidae    | <i>Chrysococcyx maculatus</i>     | Asian Emerald Cuckoo    | LC                       | Dec       |            |             |             | Y      |      |                           |

| Family     | Scientific Name                 | Common Name               | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|------------|---------------------------------|---------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Cuculidae  | <i>Clamator coromandus</i>      | Chestnut-winged Cuckoo    | LC                       | Sta       |            |             |             | Y      |      |                           |
| Cuculidae  | <i>Clamator jacobinus</i>       | Jacobin Cuckoo            | LC                       | Sta       |            |             |             | Y      |      |                           |
| Cuculidae  | <i>Cuculus micropterus</i>      | Indian Cuckoo             | LC                       | Dec       |            |             |             | Y      |      |                           |
| Cuculidae  | <i>Cuculus poliocephalus</i>    | Lesser Cuckoo             | LC                       | Sta       |            |             |             | Y      |      |                           |
| Cuculidae  | <i>Eudynamys scolopaceus</i>    | Western Koel              | LC                       | Sta       |            |             |             | Y      |      |                           |
| Cuculidae  | <i>Hierococyx sparverioides</i> | Large Hawk-cuckoo         | LC                       | Sta       |            |             |             | Y      |      |                           |
| Cuculidae  | <i>Hierococyx varius</i>        | Common Hawk-cuckoo        | LC                       | Sta       |            |             |             | Y      |      |                           |
| Cuculidae  | <i>Surniculus dicruroides</i>   | Fork-tailed Drongo-cuckoo | LC                       | Dec       |            |             |             |        |      |                           |
| Dicruridae | <i>Dicrurus hottentottus</i>    | Hair-crested Drongo       | LC                       | Unk       |            |             |             | Y      |      |                           |
| Dicruridae | <i>Dicrurus leucophaeus</i>     | Ashy Drongo               | LC                       | Unk       |            |             |             | Y      |      |                           |
| Dicruridae | <i>Dicrurus macrocercus</i>     | Black Drongo              | LC                       | Unk       |            |             |             | Y      |      |                           |
| Dromadidae | <i>Dromas ardeola</i>           | Crab-plover               | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |

**Crab Plover** (photo: Arie Ouwerkerk / Agami)



| Family       | Scientific Name                      | Common Name                | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEM LAP | AEWA | CAF Waterbird Action Plan |
|--------------|--------------------------------------|----------------------------|--------------------------|-----------|------------|-------------|-------------|---------|------|---------------------------|
| Emberizidae  | <i>Emberiza aureola</i>              | Yellow-breasted Bunting    | CR                       | Dec       | Y          |             |             | Y       |      |                           |
| Emberizidae  | <i>Emberiza bruniceps</i>            | Red-headed Bunting         | LC                       | Sta       |            |             |             | Y       |      |                           |
| Emberizidae  | <i>Emberiza buchanani</i>            | Grey-necked Bunting        | LC                       | Sta       |            |             |             | Y       |      |                           |
| Emberizidae  | <i>Emberiza calandra</i>             | Corn Bunting               | LC                       | Dec       |            |             |             | Y       |      |                           |
| Emberizidae  | <i>Emberiza cia</i>                  | Rock Bunting               | LC                       | Inc       |            |             |             | Y       |      |                           |
| Emberizidae  | <i>Emberiza citrinella</i>           | Yellowhammer               | LC                       | Dec       |            |             |             | Y       |      |                           |
| Emberizidae  | <i>Emberiza fucata</i>               | Chestnut-eared Bunting     | LC                       | Sta       |            |             |             | Y       |      |                           |
| Emberizidae  | <i>Emberiza leucocephalos</i>        | Pine Bunting               | LC                       | Sta       |            |             |             | Y       |      |                           |
| Emberizidae  | <i>Emberiza melanocephala</i>        | Black-headed Bunting       | LC                       | Unk       |            |             |             | Y       |      |                           |
| Emberizidae  | <i>Emberiza schoeniclus</i>          | Reed Bunting               | LC                       | Dec       |            |             |             | Y       |      |                           |
| Emberizidae  | <i>Emberiza stewarti</i>             | White-capped Bunting       | LC                       | Sta       |            |             |             | Y       |      |                           |
| Falconidae   | <i>Falco biarmicus</i>               | Lanner Falcon              | LC                       | Dec       |            | Y           | Y           |         |      |                           |
| Falconidae   | <i>Falco cherrug</i>                 | Saker Falcon               | EN                       | Dec       | Y          | Y           | Y           |         |      |                           |
| Falconidae   | <i>Falco chicquera</i>               | Red-headed Falcon          | NT                       | Dec       |            | Y           |             |         |      |                           |
| Falconidae   | <i>Falco columbarius</i>             | Merlin                     | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Falconidae   | <i>Falco naumanni</i>                | Lesser Kestrel             | LC                       | Sta       | Y          | Y           | Y           |         |      |                           |
| Falconidae   | <i>Falco peregrinus</i>              | Peregrine Falcon           | LC                       | Inc       |            | Y           | Y           |         |      |                           |
| Falconidae   | <i>Falco rusticolus</i>              | Gyr Falcon                 | LC                       | Sta       |            | Y           | Y           |         |      |                           |
| Falconidae   | <i>Falco severus</i>                 | Oriental Hobby             | LC                       | Dec       |            | Y           | Y           |         |      |                           |
| Falconidae   | <i>Falco subbuteo</i>                | Eurasian Hobby             | LC                       | Dec       |            | Y           | Y           |         |      |                           |
| Falconidae   | <i>Falco tinnunculus</i>             | Common Kestrel             | LC                       | Dec       |            | Y           | Y           |         |      |                           |
| Fregatidae   | <i>Fregata ariel</i>                 | Lesser Frigatebird         | LC                       | Dec       |            |             |             |         | Y    |                           |
| Fringillidae | <i>Acanthis flammea</i>              | Redpoll                    | LC                       | Dec       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Carduelis caniceps</i>            | Eastern Goldfinch          | LC                       | Sta       |            |             |             |         |      |                           |
| Fringillidae | <i>Carduelis carduelis</i>           | European Goldfinch         | LC                       | Dec       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Carpodacus erythrinus</i>         | Common Rosefinch           | LC                       | Dec       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Carpodacus roseus</i>             | Pallas's Rosefinch         | LC                       | Sta       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Carpodacus sibiricus</i>          | Long-tailed Rosefinch      | LC                       | Sta       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Chloris chloris</i>               | European Greenfinch        | LC                       | Sta       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Chloris spinoides</i>             | Yellow-breasted Greenfinch | LC                       | Sta       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Coccothraustes coccothraustes</i> | Hawfinch                   | LC                       | Inc       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Fringilla coelebs</i>             | Common Chaffinch           | LC                       | Inc       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Fringilla montifringilla</i>      | Brambling                  | LC                       | Dec       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Leucosticte brandti</i>           | Brandt's Mountain-finch    | LC                       | Sta       |            |             |             | Y       |      |                           |
| Fringillidae | <i>Leucosticte nemoricola</i>        | Plain Mountain-finch       | LC                       | Sta       |            |             |             | Y       |      |                           |

| Family          | Scientific Name                  | Common Name                   | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMPLAP | AEWA | CAF Waterbird Action Plan |
|-----------------|----------------------------------|-------------------------------|--------------------------|-----------|------------|-------------|-------------|---------|------|---------------------------|
| Fringillidae    | <i>Linaria flavirostris</i>      | Twite                         | LC                       | Dec       |            |             |             | Y       |      |                           |
| Fringillidae    | <i>Pinicola enucleator</i>       | Pine Grosbeak                 | LC                       | Dec       |            |             |             | Y       |      |                           |
| Fringillidae    | <i>Pyrrhula pyrrhula</i>         | Eurasian Bullfinch            | LC                       | Dec       |            |             |             | Y       |      |                           |
| Fringillidae    | <i>Rhodopechys sanguineus</i>    | Eurasian Crimson-winged Finch | LC                       | Sta       |            |             |             | Y       |      |                           |
| Gaviidae        | <i>Gavia stellata</i>            | Red-throated Loon             | LC                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Glareolidae     | <i>Cursorius cursor</i>          | Cream-coloured Courser        | LC                       | Dec       |            |             |             | Y       |      |                           |
| Glareolidae     | <i>Glareola lactea</i>           | Little Pratincole             | LC                       | Unk       |            |             |             |         |      |                           |
| Glareolidae     | <i>Glareola maldivarum</i>       | Oriental Pratincole           | LC                       | Dec       |            |             |             |         |      | Y                         |
| Glareolidae     | <i>Glareola nordmanni</i>        | Black-winged Pratincole       | NT                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Glareolidae     | <i>Glareola pratincola</i>       | Collared Pratincole           | LC                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Gruidae         | <i>Anthropoides virgo</i>        | Demoiselle Crane              | LC                       | Inc       |            | Y           |             |         | Y    | Y                         |
| Gruidae         | <i>Grus antigone</i>             | Sarus Crane                   | VU                       | Dec       |            | Y           |             |         |      |                           |
| Gruidae         | <i>Grus grus</i>                 | Common Crane                  | LC                       | Inc       |            | Y           |             |         | Y    | Y                         |
| Gruidae         | <i>Grus nigricollis</i>          | Black-necked Crane            | NT                       | Sta       | Y          | Y           |             |         |      | Y                         |
| Gruidae         | <i>Leucogeranus leucogeranus</i> | Siberian Crane                | CR                       | Dec       | Y          | Y           |             |         | Y    | Y                         |
| Haematopodidae  | <i>Haematopus ostralegus</i>     | Eurasian Oystercatcher        | NT                       | Dec       |            | Y           |             |         | Y    | Y                         |
| Hirundinidae    | <i>Cecropis daurica</i>          | Red-rumped Swallow            | LC                       | Sta       |            |             |             | Y       |      |                           |
| Hirundinidae    | <i>Delichon dasypus</i>          | Asian House Martin            | LC                       | Inc       |            |             |             | Y       |      |                           |
| Hirundinidae    | <i>Hirundo rustica</i>           | Barn Swallow                  | LC                       | Dec       |            |             |             | Y       |      |                           |
| Hirundinidae    | <i>Hirundo smithii</i>           | Wire-tailed Swallow           | LC                       | Inc       |            |             |             | Y       |      |                           |
| Hirundinidae    | <i>Petrochelidon fluvicola</i>   | Streak-throated Swallow       | LC                       | Inc       |            |             |             | Y       |      |                           |
| Hirundinidae    | <i>Ptyonoprogne rupestris</i>    | Eurasian Crag Martin          | LC                       | Sta       |            |             |             | Y       |      |                           |
| Hirundinidae    | <i>Riparia chinensis</i>         | Asian Plain Martin            | LC                       | Dec       |            |             |             |         |      |                           |
| Hirundinidae    | <i>Riparia diluta</i>            | Pale Sand Martin              | LC                       | Unk       |            |             |             |         |      |                           |
| Hirundinidae    | <i>Riparia riparia</i>           | Collared Sand Martin          | LC                       | Dec       |            |             |             | Y       |      |                           |
| Hydrobatidae    | <i>Hydrobates matsudairae</i>    | Matsudaira's Storm-petrel     | VU                       | Unk       |            |             |             |         |      |                           |
| Hydrobatidae    | <i>Hydrobates monorhis</i>       | Swinhoe's Storm-petrel        | NT                       | Sta       |            |             |             |         |      |                           |
| Hypocoliidae    | <i>Hypocolius ampelinus</i>      | Hypocolius                    | LC                       | Unk       |            |             |             | Y       |      |                           |
| Ibidorhynchidae | <i>Ibidorhyncha struthersii</i>  | Ibisbill                      | LC                       | Unk       |            | Y           |             |         |      | Y                         |
| Jacanidae       | <i>Hydrophasianus chirurgus</i>  | Pheasant-tailed Jacana        | LC                       | Dec       |            |             |             |         |      | Y                         |
| Laniidae        | <i>Lanius borealis</i>           | Northern Grey Shrike          | LC                       | Sta       |            |             |             |         |      |                           |
| Laniidae        | <i>Lanius cristatus</i>          | Brown Shrike                  | LC                       | Dec       |            |             |             | Y       |      |                           |
| Laniidae        | <i>Lanius excubitor</i>          | Great Grey Shrike             | LC                       | Dec       |            | Y           |             | Y       |      |                           |
| Laniidae        | <i>Lanius isabellinus</i>        | Isabelline Shrike             | LC                       | Sta       |            |             |             | Y       |      |                           |
| Laniidae        | <i>Lanius phoenicuroides</i>     | Red-tailed Shrike             | LC                       | Sta       |            |             |             |         |      |                           |

| Family   | Scientific Name               | Common Name             | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|----------|-------------------------------|-------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Laniidae | <i>Lanius schach</i>          | Long-tailed Shrike      | LC                       | Unk       |            |             |             | Y      |      |                           |
| Laniidae | <i>Lanius tephronotus</i>     | Grey-backed Shrike      | LC                       | Sta       |            |             |             | Y      |      |                           |
| Laniidae | <i>Lanius vittatus</i>        | Bay-backed Shrike       | LC                       | Sta       |            |             |             | Y      |      |                           |
| Laridae  | <i>Anous stolidus</i>         | Brown Noddy             | LC                       | Sta       |            |             |             |        | Y    |                           |
| Laridae  | <i>Anous tenuirostris</i>     | Lesser Noddy            | LC                       | Sta       |            |             |             |        | Y    |                           |
| Laridae  | <i>Chlidonias hybrida</i>     | Whiskered Tern          | LC                       | Sta       |            |             |             |        | Y    | Y                         |
| Laridae  | <i>Chlidonias leucopterus</i> | White-winged Tern       | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Laridae  | <i>Gelochelidon nilotica</i>  | Common Gull-billed Tern | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Laridae  | <i>Hydrocoloeus minutus</i>   | Little Gull             | LC                       | Inc       |            |             |             |        | Y    | Y                         |
| Laridae  | <i>Hydroprogne caspia</i>     | Caspian Tern            | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |

**Red-tailed Shrike** (photo: Arend Wassink / Agami)



| Family        | Scientific Name                | Common Name                     | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|---------------|--------------------------------|---------------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Laridae       | <i>Larus armenicus</i>         | Armenian Gull                   | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |
| Laridae       | <i>Larus brunnicephalus</i>    | Brown-headed Gull               | LC                       | Sta       |            |             |             |        |      | Y                         |
| Laridae       | <i>Larus cachinnans</i>        | Caspian Gull                    | LC                       | Inc       |            |             |             |        | Y    |                           |
| Laridae       | <i>Larus canus</i>             | Mew Gull                        | LC                       | Unk       |            |             |             |        | Y    | Y                         |
| Laridae       | <i>Larus fuscus</i>            | Lesser Black-backed Gull        | LC                       | Inc       |            |             |             |        | Y    | Y                         |
| Laridae       | <i>Larus genei</i>             | Slender-billed Gull             | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Laridae       | <i>Larus hemprichii</i>        | Sooty Gull                      | LC                       | Dec       |            | Y           |             |        | Y    |                           |
| Laridae       | <i>Larus ichthyaetus</i>       | Pallas's Gull                   | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |
| Laridae       | <i>Larus michahellis</i>       | Yellow-legged Gull              | LC                       | Inc       |            |             |             |        | Y    | Y                         |
| Laridae       | <i>Larus relictus</i>          | Relict Gull                     | VU                       | Dec       | Y          |             |             |        |      | Y                         |
| Laridae       | <i>Larus ridibundus</i>        | Black-headed Gull               | LC                       | Unk       |            |             |             |        | Y    | Y                         |
| Laridae       | <i>Onychoprion anaethetus</i>  | Bridled Tern                    | LC                       | Unk       |            |             |             |        | Y    |                           |
| Laridae       | <i>Onychoprion fuscatus</i>    | Sooty Tern                      | LC                       | Unk       |            |             |             |        | Y    |                           |
| Laridae       | <i>Rynchops albigollis</i>     | Indian Skimmer                  | EN                       | Dec       |            |             |             |        |      | Y                         |
| Laridae       | <i>Sterna dougallii</i>        | Roseate Tern                    | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Laridae       | <i>Sterna hirundo</i>          | Common Tern                     | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Laridae       | <i>Sterna repressa</i>         | White-cheeked Tern              | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Laridae       | <i>Sternula albifrons</i>      | Little Tern                     | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Laridae       | <i>Sternula saundersi</i>      | Saunders's Tern                 | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Laridae       | <i>Thalasseus bengalensis</i>  | Lesser Crested Tern             | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Laridae       | <i>Thalasseus bergii</i>       | Greater Crested Tern            | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Laridae       | <i>Thalasseus sandvicensis</i> | Sandwich Tern                   | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Locustellidae | <i>Chaetornis striata</i>      | Bristled Grassbird              | VU                       | Dec       |            | Y           |             | Y      |      |                           |
| Locustellidae | <i>Locustella certhiola</i>    | Pallas's Grasshopper-warbler    | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Locustellidae | <i>Locustella davidi</i>       | Baikal Grasshopper-warbler      | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Locustellidae | <i>Locustella kashmirensis</i> | Himalayan Grasshopper-warbler   | LC                       | Sta       |            |             |             |        |      |                           |
| Locustellidae | <i>Locustella lanceolata</i>   | Lanceolated Warbler             | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Locustellidae | <i>Locustella major</i>        | Long-billed Grasshopper-warbler | NT                       | Dec       |            | Y           |             |        |      |                           |
| Locustellidae | <i>Locustella naevia</i>       | Common Grasshopper-warbler      | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Locustellidae | <i>Locustella tacsanowskia</i> | Chinese Grasshopper-warbler     | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Locustellidae | <i>Locustella thoracica</i>    | Spotted Grasshopper-warbler     | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Meropidae     | <i>Merops apiaster</i>         | European Bee-eater              | LC                       | Sta       |            | Y           |             | Y      |      |                           |



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|--------------|----------------------------------|-------------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Meropidae    | <i>Merops leschenaulti</i>       | Chestnut-headed Bee-eater     | LC                       | Inc       |            |             |             | Y      |      |                           |
| Meropidae    | <i>Merops orientalis</i>         | Asian Green Bee-eater         | LC                       | Inc       |            |             |             | Y      |      |                           |
| Meropidae    | <i>Merops philippinus</i>        | Blue-tailed Bee-eater         | LC                       | Sta       |            |             |             | Y      |      |                           |
| Monarchidae  | <i>Hypothymis azurea</i>         | Black-naped Monarch           | LC                       | Sta       |            |             |             | Y      |      |                           |
| Monarchidae  | <i>Terpsiphone paradisi</i>      | Indian Paradise-flycatcher    | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Anthus campestris</i>         | Tawny Pipit                   | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Anthus cervinus</i>           | Red-throated Pipit            | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Anthus godlewskii</i>         | Blyth's Pipit                 | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Anthus hodgsoni</i>           | Olive-backed Pipit            | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Anthus pratensis</i>          | Meadow Pipit                  | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Anthus richardi</i>           | Richard's Pipit               | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Anthus roseatus</i>           | Rosy Pipit                    | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Anthus rubescens</i>          | Buff-bellied Pipit            | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Anthus spinoletta</i>         | Water Pipit                   | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Anthus trivialis</i>          | Tree Pipit                    | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Dendronanthus indicus</i>     | Forest Wagtail                | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Motacilla alba</i>            | White Wagtail                 | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Motacilla cinerea</i>         | Grey Wagtail                  | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Motacilla citreola</i>        | Citrine Wagtail               | LC                       | Inc       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Motacilla flava</i>           | Western Yellow Wagtail        | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Motacillidae | <i>Motacilla maderaspatensis</i> | White-browed Wagtail          | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Brachypteryx hyperythra</i>   | Rusty-bellied Shortwing       | NT                       | Dec       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Calliope calliope</i>         | Siberian Rubythroat           | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Calliope pectardens</i>       | Firethroat                    | NT                       | Dec       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Calliope pectoralis</i>       | Himalayan Rubythroat          | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Calliope tschebaiewi</i>      | Chinese Rubythroat            | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Cinclidium frontale</i>       | Blue-fronted Robin            | LC                       | Dec       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Cyanecula svecica</i>         | Bluethroat                    | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Cyornis rubeculoides</i>      | Blue-throated Blue-flycatcher | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Cyornis tickelliae</i>        | Tickell's Blue-flycatcher     | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Cyornis unicolor</i>          | Pale Blue-flycatcher          | LC                       | Dec       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Enicurus scouleri</i>         | Little Forktail               | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Erithacus rubecula</i>        | European Robin                | LC                       | Inc       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Eumyias thalassinus</i>       | Verditer Flycatcher           | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Ficedula albicilla</i>        | Red-throated Flycatcher       | LC                       | Sta       |            | Y           |             | Y      |      |                           |

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|--------------|------------------------------------|------------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Muscicapidae | <i>Ficedula erithacus</i>          | Slaty-backed Flycatcher      | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Ficedula hyperythra</i>         | Snowy-browed Flycatcher      | LC                       | Dec       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Ficedula hypoleuca</i>          | European Pied Flycatcher     | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Ficedula parva</i>              | Red-breasted Flycatcher      | LC                       | Inc       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Ficedula ruficauda</i>          | Rusty-tailed Flycatcher      | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Ficedula sapphira</i>           | Sapphire Flycatcher          | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Ficedula strophiate</i>         | Rufous-gorgeted Flycatcher   | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Ficedula subrubra</i>           | Kashmir Flycatcher           | VU                       | Dec       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Ficedula superciliaris</i>      | Ultramarine Flycatcher       | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Ficedula tricolor</i>           | Slaty-blue Flycatcher        | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Ficedula westermanni</i>        | Little Pied Flycatcher       | LC                       | Dec       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Hodgsonius phaenicuroides</i>   | White-bellied Redstart       | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Larvivora brunnea</i>           | Indian Blue Robin            | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Monticola cinclorhyncha</i>     | Blue-capped Rock-thrush      | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Monticola rufiventris</i>       | Chestnut-bellied Rock-thrush | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Monticola solitarius</i>        | Blue Rock-thrush             | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Muscicapa dauurica</i>          | Asian Brown Flycatcher       | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Muscicapa muttui</i>            | Brown-breasted Flycatcher    | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Myophonus caeruleus</i>         | Blue Whistling-thrush        | LC                       | Unk       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Niltava grandis</i>             | Large Niltava                | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Niltava macgrigoriae</i>        | Small Niltava                | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Niltava oatesi</i>              | Large Vivid Niltava          | LC                       | Dec       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Niltava sundara</i>             | Rufous-bellied Niltava       | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Oenanthe albonigra</i>          | Hume's Wheatear              | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Oenanthe chrysopygia</i>        | Red-tailed Wheatear          | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Oenanthe deserti</i>            | Desert Wheatear              | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Oenanthe finschii</i>           | Finsch's Wheatear            | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Oenanthe isabellina</i>         | Isabelline Wheatear          | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Oenanthe picata</i>             | Variable Wheatear            | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Oenanthe pleschanka</i>         | Pied Wheatear                | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Phoenicurus aureus</i>          | Daurian Redstart             | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae | <i>Phoenicurus coeruleocephala</i> | Blue-capped Redstart         | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Phoenicurus erythrogastrus</i>  | White-winged Redstart        | LC                       | Sta       |            | Y           |             | Y      |      |                           |

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|--------------|----------------------------------|-----------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Muscicapidae | <i>Phoenicurus erythronotus</i>  | Eversmann's Redstart        | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Phoenicurus frontalis</i>     | Blue-fronted Redstart       | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Phoenicurus fuliginosus</i>   | Plumbeous Water-redstart    | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Phoenicurus hodgsoni</i>      | Hodgson's Redstart          | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Muscicapidae | <i>Phoenicurus leucocephalus</i> | White-capped Water-redstart | LC                       | Sta       |            | Y           |             |        |      |                           |
| Muscicapidae | <i>Phoenicurus ochruros</i>      | Black Redstart              | LC                       | Inc       |            | Y           | Y           |        |      |                           |
| Muscicapidae | <i>Phoenicurus phoenicurus</i>   | Common Redstart             | LC                       | Inc       |            | Y           | Y           |        |      |                           |
| Muscicapidae | <i>Saxicola caprata</i>          | Pied Bushchat               | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Muscicapidae | <i>Saxicola ferreus</i>          | Grey Bushchat               | LC                       | Sta       |            | Y           |             |        |      |                           |

**Bluethroat** (photo: Markus Varesvuo/ Agami)



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|-------------------|-----------------------------------|----------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Muscicapidae      | <i>Saxicola insignis</i>          | White-throated Bushchat    | VU                       | Dec       |            | Y           |             | Y      |      |                           |
| Muscicapidae      | <i>Saxicola macrorhynchus</i>     | White-browed Bushchat      | VU                       | Dec       |            | Y           |             |        |      |                           |
| Muscicapidae      | <i>Saxicola torquatus</i>         | Common Stonechat           | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae      | <i>Tarsiger chrysaeus</i>         | Golden Bush-robin          | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Muscicapidae      | <i>Tarsiger rufilatus</i>         | Himalayan Bush-robin       | LC                       | Sta       |            | Y           |             |        |      |                           |
| Oceanitidae       | <i>Fregetta tropica</i>           | Black-bellied Storm-petrel | LC                       | Dec       |            |             |             |        |      |                           |
| Oceanitidae       | <i>Oceanites oceanicus</i>        | Wilson's Storm-petrel      | LC                       | Sta       |            |             |             |        |      |                           |
| Oceanitidae       | <i>Pelagodroma marina</i>         | White-faced Storm-petrel   | LC                       | Dec       |            |             |             |        |      |                           |
| Oriolidae         | <i>Oriolus chinensis</i>          | Black-naped Oriole         | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Oriolidae         | <i>Oriolus kundoo</i>             | Indian Golden Oriole       | LC                       | Unk       |            | Y           |             |        |      |                           |
| Oriolidae         | <i>Oriolus tenuirostris</i>       | Slender-billed Oriole      | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Oriolidae         | <i>Oriolus traillii</i>           | Maroon Oriole              | LC                       | Sta       |            |             |             | Y      |      |                           |
| Oriolidae         | <i>Oriolus xanthornus</i>         | Black-hooded Oriole        | LC                       | Sta       |            | Y           |             |        |      |                           |
| Otididae          | <i>Ardeotis nigriceps</i>         | Great Indian Bustard       | CR                       | Dec       | Y          |             |             |        |      |                           |
| Otididae          | <i>Chlamydotis macqueenii</i>     | Asian Houbara              | VU                       | Dec       |            | Y           |             |        |      |                           |
| Otididae          | <i>Houbaropsis bengalensis</i>    | Bengal Florican            | CR                       | Dec       | Y          |             |             | Y      |      |                           |
| Otididae          | <i>Otis tarda</i>                 | Great Bustard              | VU                       | Dec       | Y          | Y           |             |        |      |                           |
| Otididae          | <i>Sypheotides indicus</i>        | Lesser Florican            | CR                       | Dec       |            |             |             | Y      |      |                           |
| Otididae          | <i>Tetrax tetrax</i>              | Little Bustard             | NT                       | Dec       | Y          | Y           |             | Y      |      |                           |
| Pandionidae       | <i>Pandion haliaetus</i>          | Osprey                     | LC                       | Inc       |            | Y           | Y           |        |      |                           |
| Panuridae         | <i>Panurus biarmicus</i>          | Bearded Reedling           | LC                       | Unk       |            | Y           |             | Y      |      |                           |
| Paridae           | <i>Cephalopyrus flammiceps</i>    | Fire-capped Tit            | LC                       | Unk       |            |             |             | Y      |      |                           |
| Passeridae        | <i>Passer hispaniolensis</i>      | Spanish Sparrow            | LC                       | Dec       |            |             |             | Y      |      |                           |
| Pelecanidae       | <i>Pelecanus crispus</i>          | Dalmatian Pelican          | NT                       | Dec       | Y          | Y           |             |        | Y    | Y                         |
| Pelecanidae       | <i>Pelecanus onocrotalus</i>      | Great White Pelican        | LC                       | Unk       | Y          | Y           |             |        | Y    | Y                         |
| Pelecanidae       | <i>Pelecanus philippensis</i>     | Spot-billed Pelican        | NT                       | Dec       |            |             |             |        |      | Y                         |
| Phaethontidae     | <i>Phaethon aethereus</i>         | Red-billed Tropicbird      | LC                       | Dec       |            |             |             |        | Y    |                           |
| Phalacrocoracidae | <i>Microcarbo pygmaeus</i>        | Pygmy Cormorant            | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |
| Phalacrocoracidae | <i>Phalacrocorax carbo</i>        | Great Cormorant            | LC                       | Inc       |            |             |             |        | Y    | Y                         |
| Phalacrocoracidae | <i>Phalacrocorax nigrogularis</i> | Socotra Cormorant          | VU                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Phasianidae       | <i>Coturnix coturnix</i>          | Common Quail               | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Phoenicopteridae  | <i>Phoeniconaias minor</i>        | Lesser Flamingo            | NT                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Phoenicopteridae  | <i>Phoenicopterus roseus</i>      | Greater Flamingo           | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |
| Phylloscopidae    | <i>Phylloscopus affinis</i>       | Tickell's Leaf-warbler     | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Phylloscopidae    | <i>Phylloscopus burkii</i>        | Green-crowned Warbler      | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Phylloscopidae    | <i>Phylloscopus cantator</i>      | Yellow-vented Warbler      | LC                       | Sta       |            | Y           |             |        |      |                           |

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| Phylloscopidae | <i>Phylloscopus castaniceps</i>    | Chestnut-crowned Warbler     | LC                       | Sta       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus chloronotus</i>    | Lemon-rumped Leaf-warbler    | LC                       | Sta       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus claudiae</i>       | Claudia's Leaf-warbler       | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus collybita</i>      | Common Chiffchaff            | LC                       | Inc       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus fulgiventor</i>    | Smoky Warbler                | LC                       | Sta       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus fuscatus</i>       | Dusky Warbler                | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus griseolus</i>      | Sulphur-bellied Warbler      | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus humei</i>          | Hume's Leaf-warbler          | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus inornatus</i>      | Yellow-browed Warbler        | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus intermedius</i>    | White-spectacled Warbler     | LC                       | Sta       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus maculipennis</i>   | Ashy-throated Warbler        | LC                       | Sta       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus magnirostris</i>   | Large-billed Leaf-warbler    | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus neglectus</i>      | Plain Leaf-warbler           | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus nitidus</i>        | Green Warbler                | LC                       | Sta       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus occipitalis</i>    | Western Crowned Leaf-warbler | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus poliogenys</i>     | Grey-cheeked Warbler         | LC                       | Sta       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus pulcher</i>        | Buff-barred Warbler          | LC                       | Sta       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus reguloides</i>     | Blyth's Leaf-warbler         | LC                       | Sta       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus sindianus</i>      | Mountain Chiffchaff          | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus subviridis</i>     | Brooks's Leaf-warbler        | LC                       | Sta       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus tristis</i>        | Siberian Chiffchaff          | LC                       | Unk       |            | Y           |             |        |      |                           |
| Phylloscopidae | <i>Phylloscopus trochiloides</i>   | Greenish Warbler             | LC                       | Inc       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus tytleri</i>        | Tytler's Leaf-warbler        | NT                       | Dec       |            | Y           | Y           |        |      |                           |
| Phylloscopidae | <i>Phylloscopus xanthoschistos</i> | Grey-hooded Warbler          | LC                       | Sta       |            | Y           |             |        |      |                           |
| Picidae        | <i>Dendrocopos hyperythrus</i>     | Rufous-bellied Woodpecker    | LC                       | Dec       |            |             | Y           |        |      |                           |
| Picidae        | <i>Dryobates minor</i>             | Lesser Spotted Woodpecker    | LC                       | Dec       |            |             | Y           |        |      |                           |
| Picidae        | <i>Dryocopus martius</i>           | Black Woodpecker             | LC                       | Inc       |            |             | Y           |        |      |                           |
| Picidae        | <i>Jynx torquilla</i>              | Eurasian Wryneck             | LC                       | Dec       |            |             | Y           |        |      |                           |
| Picidae        | <i>Picoides tridactylus</i>        | Three-toed Woodpecker        | LC                       | Sta       |            |             | Y           |        |      |                           |
| Pittidae       | <i>Pitta brachyura</i>             | Indian Pitta                 | LC                       | Dec       |            |             | Y           |        |      |                           |
| Podicipedidae  | <i>Podiceps auritus</i>            | Horned Grebe                 | VU                       | Dec       |            | Y           |             | Y      | Y    |                           |
| Podicipedidae  | <i>Podiceps cristatus</i>          | Great Crested Grebe          | LC                       | Unk       |            |             |             | Y      | Y    |                           |
| Podicipedidae  | <i>Podiceps grisegena</i>          | Red-necked Grebe             | LC                       | Dec       |            | Y           |             | Y      | Y    |                           |

| Family         | Scientific Name               | Common Name             | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|----------------|-------------------------------|-------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Podicipedidae  | <i>Podiceps nigricollis</i>   | Black-necked Grebe      | LC                       | Unk       |            |             |             |        | Y    | Y                         |
| Podicipedidae  | <i>Tachybaptus ruficollis</i> | Little Grebe            | LC                       | Dec       |            |             |             |        | Y    | Y                         |
| Procellariidae | <i>Ardenna carneipes</i>      | Flesh-footed Shearwater | NT                       | Dec       |            |             |             |        |      |                           |
| Procellariidae | <i>Ardenna pacifica</i>       | Wedge-tailed Shearwater | LC                       | Dec       |            |             |             |        |      |                           |
| Procellariidae | <i>Bulweria bulwerii</i>      | Bulwer's Petrel         | LC                       | Sta       |            |             |             |        |      |                           |
| Procellariidae | <i>Bulweria fallax</i>        | Jouanin's Petrel        | NT                       | Unk       |            |             |             |        |      |                           |
| Procellariidae | <i>Puffinus bailloni</i>      | Tropical Shearwater     | LC                       | Sta       |            |             |             |        |      |                           |
| Procellariidae | <i>Puffinus persicus</i>      | Persian Shearwater      | LC                       | Dec       |            |             |             |        |      |                           |
| Prunellidae    | <i>Prunella atrogularis</i>   | Black-throated Accentor | LC                       | Sta       |            |             |             | Y      |      |                           |

**Great Bustard** (photo: Laurens Steijn / Agami)



| Family           | Scientific Name                 | Common Name                 | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|------------------|---------------------------------|-----------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Prunellidae      | <i>Prunella collaris</i>        | Alpine Accentor             | LC                       | Sta       |            |             |             | Y      |      |                           |
| Psittacidae      | <i>Loriculus vernalis</i>       | Vernal Hanging-parrot       | LC                       | Sta       |            |             |             | Y      |      |                           |
| Psittacidae      | <i>Psittacula derbiana</i>      | Lord Derby's Parakeet       | NT                       | Dec       |            |             |             | Y      |      |                           |
| Pteroclididae    | <i>Pterocles alchata</i>        | Pin-tailed Sandgrouse       | LC                       | Sta       |            |             |             | Y      |      |                           |
| Pteroclididae    | <i>Pterocles orientalis</i>     | Black-bellied Sandgrouse    | LC                       | Dec       |            |             |             | Y      |      |                           |
| Pteroclididae    | <i>Pterocles senegallus</i>     | Spotted Sandgrouse          | LC                       | Sta       |            |             |             | Y      |      |                           |
| Pteroclididae    | <i>Syrrhaptes paradoxus</i>     | Pallas's Sandgrouse         | LC                       | Sta       |            |             |             | Y      |      |                           |
| Pycnonotidae     | <i>Hypsipetes leucocephalus</i> | Black Bulbul                | LC                       | Sta       |            |             |             | Y      |      |                           |
| Pycnonotidae     | <i>Pycnonotus leucogenys</i>    | Himalayan Bulbul            | LC                       | Inc       |            |             |             | Y      |      |                           |
| Rallidae         | <i>Amaurornis phoenicurus</i>   | White-breasted Waterhen     | LC                       | Unk       |            |             |             |        |      | Y                         |
| Rallidae         | <i>Crex crex</i>                | Corncrake                   | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Rallidae         | <i>Fulica atra</i>              | Common Coot                 | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |
| Rallidae         | <i>Gallicrex cinerea</i>        | Watercock                   | LC                       | Dec       |            |             |             |        |      |                           |
| Rallidae         | <i>Gallinula chloropus</i>      | Common Moorhen              | LC                       | Sta       |            |             |             |        | Y    | Y                         |
| Rallidae         | <i>Porzana porzana</i>          | Spotted Crake               | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Rallidae         | <i>Rallina eurizonoides</i>     | Slaty-legged Crake          | LC                       | Dec       |            |             |             |        |      | Y                         |
| Rallidae         | <i>Rallus aquaticus</i>         | Western Water Rail          | LC                       | Dec       |            |             |             |        | Y    | Y                         |
| Rallidae         | <i>Rallus indicus</i>           | Eastern Water Rail          | LC                       | Dec       |            |             |             |        |      |                           |
| Rallidae         | <i>Zapornia akool</i>           | Brown Crake                 | LC                       | Unk       |            |             |             |        |      |                           |
| Rallidae         | <i>Zapornia fusca</i>           | Ruddy-breasted Crake        | LC                       | Dec       |            |             |             |        |      | Y                         |
| Rallidae         | <i>Zapornia parva</i>           | Little Crake                | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Rallidae         | <i>Zapornia pusilla</i>         | Baillon's Crake             | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Recurvirostridae | <i>Himantopus himantopus</i>    | Black-winged Stilt          | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |
| Recurvirostridae | <i>Recurvirostra avosetta</i>   | Pied Avocet                 | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Regulidae        | <i>Regulus regulus</i>          | Goldcrest                   | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Remizidae        | <i>Remiz coronatus</i>          | White-crowned Penduline-tit | LC                       | Dec       |            |             |             | Y      |      |                           |
| Rhipiduridae     | <i>Rhipidura albicollis</i>     | White-throated Fantail      | LC                       | Sta       |            | Y           |             |        |      |                           |
| Scolopacidae     | <i>Actitis hypoleucos</i>       | Common Sandpiper            | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae     | <i>Arenaria interpres</i>       | Ruddy Turnstone             | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae     | <i>Calidris alba</i>            | Sanderling                  | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae     | <i>Calidris alpina</i>          | Dunlin                      | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae     | <i>Calidris canutus</i>         | Red Knot                    | NT                       | Dec       | Y          | Y           |             |        | Y    | Y                         |
| Scolopacidae     | <i>Calidris falcinellus</i>     | Broad-billed Sandpiper      | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae     | <i>Calidris ferruginea</i>      | Curlew Sandpiper            | NT                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae     | <i>Calidris minuta</i>          | Little Stint                | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |

| Family        | Scientific Name                 | Common Name                   | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|---------------|---------------------------------|-------------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Scolopacidae  | <i>Calidris pugnax</i>          | Ruff                          | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Calidris pygmaea</i>         | Spoon-billed Sandpiper        | CR                       | Dec       | Y          | Y           |             |        |      | Y                         |
| Scolopacidae  | <i>Calidris ruficollis</i>      | Red-necked Stint              | NT                       | Dec       |            | Y           |             |        |      | Y                         |
| Scolopacidae  | <i>Calidris subminuta</i>       | Long-toed Stint               | LC                       | Unk       |            | Y           |             |        |      | Y                         |
| Scolopacidae  | <i>Calidris temminckii</i>      | Temminck's Stint              | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Calidris tenuirostris</i>    | Great Knot                    | EN                       | Dec       | Y          | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Gallinago gallinago</i>      | Common Snipe                  | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Gallinago megala</i>         | Swinhoe's Snipe               | LC                       | Unk       |            | Y           |             |        |      | Y                         |
| Scolopacidae  | <i>Gallinago nemoricola</i>     | Wood Snipe                    | VU                       | Dec       |            | Y           |             |        |      | Y                         |
| Scolopacidae  | <i>Gallinago solitaria</i>      | Solitary Snipe                | LC                       | Sta       |            | Y           |             |        |      | Y                         |
| Scolopacidae  | <i>Gallinago stenura</i>        | Pintail Snipe                 | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Limnodromus semipalmatus</i> | Asian Dowitcher               | NT                       | Dec       |            | Y           |             |        |      | Y                         |
| Scolopacidae  | <i>Limosa lapponica</i>         | Bar-tailed Godwit             | NT                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Limosa limosa</i>            | Black-tailed Godwit           | NT                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Lymnocyptes minimus</i>      | Jack Snipe                    | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Numenius arquata</i>         | Eurasian Curlew               | NT                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Numenius phaeopus</i>        | Whimbrel                      | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Numenius tenuirostris</i>    | Slender-billed Curlew         | CR                       | Dec       | Y          | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Phalaropus lobatus</i>       | Red-necked Phalarope          | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Scolopax rusticola</i>       | Eurasian Woodcock             | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Tringa erythropus</i>        | Spotted Redshank              | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Tringa glareola</i>          | Wood Sandpiper                | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Tringa guttifer</i>          | Spotted Greenshank            | EN                       | Dec       | Y          | Y           |             |        |      | Y                         |
| Scolopacidae  | <i>Tringa nebularia</i>         | Common Greenshank             | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Tringa ochropus</i>          | Green Sandpiper               | LC                       | Inc       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Tringa stagnatilis</i>       | Marsh Sandpiper               | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Tringa totanus</i>           | Common Redshank               | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Scolopacidae  | <i>Xenus cinereus</i>           | Terek Sandpiper               | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Scotocercidae | <i>Abroscopus schisticeps</i>   | Black-faced Warbler           | LC                       | Sta       |            | Y           |             |        |      |                           |
| Scotocercidae | <i>Abroscopus superciliosus</i> | Yellow-bellied Warbler        | LC                       | Sta       |            | Y           |             |        |      |                           |
| Scotocercidae | <i>Cettia brunnifrons</i>       | Grey-sided Bush-warbler       | LC                       | Sta       |            | Y           |             |        |      |                           |
| Scotocercidae | <i>Cettia castaneocoronata</i>  | Chestnut-headed Tesia         | LC                       | Sta       |            | Y           |             |        |      |                           |
| Scotocercidae | <i>Cettia cetti</i>             | Cetti's Warbler               | LC                       | Inc       |            | Y           |             | Y      |      |                           |
| Scotocercidae | <i>Cettia major</i>             | Chestnut-crowned Bush-warbler | LC                       | Dec       |            | Y           |             |        |      |                           |
| Scotocercidae | <i>Hemitesia pallidipes</i>     | Pale-footed Bush-warbler      | LC                       | Sta       |            | Y           |             |        |      |                           |
| Scotocercidae | <i>Horornis brunescens</i>      | Hume's Bush-warbler           | LC                       | Dec       |            | Y           |             |        |      |                           |



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|---------------|----------------------------------|-------------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Scotocercidae | <i>Horornis flavolivaceus</i>    | Aberrant Bush-warbler         | LC                       | Sta       |            | Y           |             |        |      |                           |
| Scotocercidae | <i>Horornis fortipes</i>         | Brownish-flanked Bush-warbler | LC                       | Dec       |            | Y           |             |        |      |                           |
| Scotocercidae | <i>Scotocerca inquieta</i>       | Streaked Scrub-warbler        | LC                       | Dec       |            | Y           |             |        |      |                           |
| Scotocercidae | <i>Tesia cyaniventer</i>         | Grey-bellied Tesia            | LC                       | Sta       |            | Y           |             |        |      |                           |
| Scotocercidae | <i>Tesia olivea</i>              | Slaty-bellied Tesia           | LC                       | Sta       |            | Y           |             |        |      |                           |
| Sittidae      | <i>Tichodroma muraria</i>        | Wallcreeper                   | LC                       | Sta       |            |             | Y           |        |      |                           |
| Stenostiridae | <i>Chelidorhynch hypoxanthus</i> | Yellow-bellied Fairy-fantail  | LC                       | Sta       |            | Y           |             |        |      |                           |
| Stenostiridae | <i>Culicicapa ceylonensis</i>    | Grey-headed Canary-flycatcher | LC                       | Sta       |            | Y           |             |        |      |                           |

**Near threatened Asian Dowitcher** (photo: Dani Lopez Velasco / Agami)



| Family                 | Scientific Name                    | Common Name              | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|------------------------|------------------------------------|--------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Stercorariidae (Skuas) | <i>Stercorarius parasiticus</i>    | Arctic Jaeger            | LC                       | Sta       |            |             |             |        |      |                           |
| Stercorariidae (Skuas) | <i>Stercorarius pomarinus</i>      | Pomarine Jaeger          | LC                       | Sta       |            |             |             |        |      |                           |
| Strigidae              | <i>Aegolius funereus</i>           | Boreal Owl               | LC                       | Sta       |            |             | Y           |        |      |                           |
| Strigidae              | <i>Asio flammeus</i>               | Short-eared Owl          | LC                       | Dec       |            |             | Y           |        |      |                           |
| Strigidae              | <i>Asio otus</i>                   | Northern Long-eared Owl  | LC                       | Dec       |            |             | Y           |        |      |                           |
| Strigidae              | <i>Bubo scandiacus</i>             | Snowy Owl                | VU                       | Dec       |            |             | Y           |        |      |                           |
| Strigidae              | <i>Ninox scutulata</i>             | Brown Boobook            | LC                       | Dec       |            |             | Y           |        |      |                           |
| Strigidae              | <i>Otus brucei</i>                 | Pallid Scops-owl         | LC                       | Sta       |            |             | Y           |        |      |                           |
| Strigidae              | <i>Otus scops</i>                  | Eurasian Scops-owl       | LC                       | Dec       |            |             | Y           |        |      |                           |
| Strigidae              | <i>Otus sunia</i>                  | Oriental Scops-owl       | LC                       | Sta       |            |             | Y           |        |      |                           |
| Strigidae              | <i>Strix nebulosa</i>              | Great Grey Owl           | LC                       | Inc       |            |             | Y           |        |      |                           |
| Strigidae              | <i>Strix uralensis</i>             | Ural Owl                 | LC                       | Sta       |            |             | Y           |        |      |                           |
| Strigidae              | <i>Surnia ulula</i>                | Northern Hawk-owl        | LC                       | Sta       |            |             | Y           |        |      |                           |
| Sturnidae              | <i>Pastor roseus</i>               | Rosy Starling            | LC                       | Unk       |            |             |             | Y      |      |                           |
| Sturnidae              | <i>Sturnia pagodarum</i>           | Brahminy Starling        | LC                       | Unk       |            |             |             | Y      |      |                           |
| Sturnidae              | <i>Sturnus vulgaris</i>            | Common Starling          | LC                       | Dec       |            |             |             | Y      |      |                           |
| Sulidae                | <i>Sula dactylatra</i>             | Masked Booby             | LC                       | Dec       |            |             |             |        |      |                           |
| Sulidae                | <i>Sula sula</i>                   | Red-footed Booby         | LC                       | Dec       |            |             |             |        |      |                           |
| Sylviidae              | <i>Sylvia communis</i>             | Common Whitethroat       | LC                       | Inc       |            | Y           |             | Y      |      |                           |
| Sylviidae              | <i>Sylvia crassirostris</i>        | Eastern Orphean Warbler  | LC                       | Inc       |            | Y           |             |        |      |                           |
| Sylviidae              | <i>Sylvia curruca</i>              | Lesser Whitethroat       | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Sylviidae              | <i>Sylvia mystacea</i>             | Menetries's Warbler      | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Sylviidae              | <i>Sylvia nana</i>                 | Asian Desert Warbler     | LC                       | Sta       |            | Y           |             | Y      |      |                           |
| Threskiornithidae      | <i>Platalea leucorodia</i>         | Eurasian Spoonbill       | LC                       | Unk       |            | Y           |             |        | Y    | Y                         |
| Threskiornithidae      | <i>Plegadis falcinellus</i>        | Glossy Ibis              | LC                       | Dec       |            | Y           |             |        | Y    | Y                         |
| Threskiornithidae      | <i>Threskiornis aethiopicus</i>    | African Sacred Ibis      | LC                       | Sta       |            | Y           |             |        | Y    | Y                         |
| Threskiornithidae      | <i>Threskiornis melanocephalus</i> | Black-headed Ibis        | NT                       | Dec       |            |             |             |        |      | Y                         |
| Troglodytidae          | <i>Troglodytes troglodytes</i>     | Northern Wren            | LC                       | Inc       |            |             |             | Y      |      |                           |
| Turdidae               | <i>Cochoa purpurea</i>             | Purple Cochoa            | LC                       | Dec       |            | Y           |             |        |      |                           |
| Turdidae               | <i>Geokichla citrina</i>           | Orange-headed Thrush     | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Turdidae               | <i>Geokichla wardii</i>            | Pied Thrush              | LC                       | Dec       |            | Y           |             | Y      |      |                           |
| Turdidae               | <i>Grandala coelicolor</i>         | Grandala                 | LC                       | Sta       |            | Y           |             |        |      |                           |
| Turdidae               | <i>Turdus albocinctus</i>          | White-collared Blackbird | LC                       | Unk       |            | Y           |             |        |      |                           |
| Turdidae               | <i>Turdus atrogularis</i>          | Black-throated Thrush    | LC                       | Unk       |            | Y           |             |        |      |                           |
| Turdidae               | <i>Turdus boulboul</i>             | Grey-winged Blackbird    | LC                       | Dec       |            | Y           |             |        |      |                           |

| Family       | Scientific Name              | Common Name               | Red List Category (2022) | Pop Trend | CMS Appx I | CMS Appx II | Raptors MoU | AEMLAP | AEWA | CAF Waterbird Action Plan |
|--------------|------------------------------|---------------------------|--------------------------|-----------|------------|-------------|-------------|--------|------|---------------------------|
| Turdidae     | <i>Turdus dissimilis</i>     | Black-breasted Thrush     | LC                       | Dec       |            | Y           |             |        |      |                           |
| Turdidae     | <i>Turdus eunomus</i>        | Dusky Thrush              | LC                       | Unk       |            | Y           |             |        |      |                           |
| Turdidae     | <i>Turdus feae</i>           | Grey-sided Thrush         | VU                       | Dec       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Turdus iliacus</i>        | Redwing                   | NT                       | Dec       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Turdus merula</i>         | Eurasian Blackbird        | LC                       | Inc       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Turdus obscurus</i>       | Eyebrowed Thrush          | LC                       | Unk       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Turdus philomelos</i>     | Song Thrush               | LC                       | Inc       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Turdus pilaris</i>        | Fieldfare                 | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Turdus rubrocanus</i>     | Chestnut Thrush           | LC                       | Unk       |            | Y           |             |        |      |                           |
| Turdidae     | <i>Turdus ruficollis</i>     | Rufous-throated Thrush    | LC                       | Unk       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Turdus torquatus</i>      | Ring Ouzel                | LC                       | Sta       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Turdus unicolor</i>       | Tickell's Thrush          | LC                       | Unk       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Turdus viscivorus</i>     | Mistle Thrush             | LC                       | Dec       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Zoothera dauma</i>        | Scaly Thrush              | LC                       | Dec       |            | Y           | Y           |        |      |                           |
| Turdidae     | <i>Zoothera dixonii</i>      | Long-tailed Thrush        | LC                       | Unk       |            | Y           |             |        |      |                           |
| Turdidae     | <i>Zoothera griseiceps</i>   | Sichuan Forest Thrush     | LC                       | Sta       |            | Y           |             |        |      |                           |
| Turdidae     | <i>Zoothera monticola</i>    | Long-billed Thrush        | LC                       | Dec       |            | Y           |             |        |      |                           |
| Turdidae     | <i>Zoothera salimalii</i>    | Himalayan Forest Thrush   | LC                       | Sta       |            | Y           |             |        |      |                           |
| Turnicidae   | <i>Turnix tanki</i>          | Yellow-legged Buttonquail | LC                       | Sta       |            |             | Y           |        |      |                           |
| Upupidae     | <i>Upupa epops</i>           | Common Hoopoe             | LC                       | Dec       |            |             | Y           |        |      |                           |
| Zosteropidae | <i>Zosterops palpebrosus</i> | Indian White-eye          | LC                       | Dec       |            |             | Y           |        |      |                           |

## Annex 5. Overview of Working List of Internationally Important Sites for Migratory Birds by CAF range state

| Country                        | No. of IBAs identified as Important Sites | No. of additional sites proposed through consultation | Working total no. of important sites |
|--------------------------------|---|---|--------------------------------------|
| Afghanistan                    | 15  |   | 15                                   |
| Armenia                        | 13  | 6   | 19                                   |
| Azerbaijan                     | 36  |   | 36                                   |
| Bahrain                        | 4   |   | 4                                    |
| Bangladesh                     | 13  | 3   | 16                                   |
| Bhutan                         | 15  |   | 15                                   |
| British Indian Ocean Territory | 2   |   | 2                                    |
| China                          | 125                                       |   | 125                                  |
| Georgia                        | 7   | 14  | 21                                   |
| India                          | 422                                       |   | 422                                  |
| Iran, Islamic Republic of      | 99  |   | 99                                   |
| Iraq                           | 12  |   | 12                                   |
| Kazakhstan                     | 127                                       |   | 127                                  |
| Kuwait                         | 6   |   | 6                                    |
| Kyrgyzstan                     | 7   | 41  | 48                                   |
| Maldives                       | 1   |   | 1                                    |
| Mongolia                       | 69  | 14  | 83                                   |
| Myanmar                        | 30  |   | 30                                   |
| Nepal                          | 27  |   | 27                                   |
| Oman                           | 29  |   | 29                                   |
| Pakistan                       | 40  | 1   | 41                                   |
| Qatar                          | 4   |   | 4                                    |
| Russia                         | 345                                       |   | 345                                  |
| Saudi Arabia                   | 6   |   | 6                                    |
| Sri Lanka                      | 35  |   | 35                                   |
| Tajikistan                     | 18  |   | 18                                   |
| Turkmenistan                   | 49  |   | 49                                   |
| United Arab Emirates           | 29  |   | 29                                   |
| Uzbekistan                     | 51  |   | 51                                   |
| Yemen                          | 2   |   | 2                                    |
| <b>Grand Total</b>             | <b>1638</b>                               | <b>79</b>   | <b>1717</b>                          |

## Annex 6. Working List of Important Sites for Migratory Birds in the CAF

| Country     | Site Name                               | Subnational unit(s)           | IBA no | Latitude | Longitude | Site Area Reported (ha) | Source (IBA - Y, consultation C) |
|-------------|---|-------------------------------|--------|----------|-----------|-------------------------|----------------------------------|
| Afghanistan | <a href="#">Big Pamir</a>               | Badakhshan                    | AF003  | 37.17    | 73.00     | 67,938                  | Y                                |
| Afghanistan | <a href="#">Small Pamir</a>             | Badakhshan                    | AF004  | 37.08    | 74.33     | 200,000                 | Y                                |
| Afghanistan | <a href="#">North-western steppe</a>    | Badghis   Herat               | AF006  | 35.17    | 62.00     | 80,000                  | Y                                |
| Afghanistan | <a href="#">Salang Kotal</a>            | Baghlan                       | AF005  | 35.43    | 68.99     | 2,000                   | Y                                |
| Afghanistan | <a href="#">Bande Amir</a>              | Bamian                        | AF008  | 34.87    | 67.17     | 41,000                  | Y                                |
| Afghanistan | <a href="#">Ab-i-Istada</a>             | Ghazni                        | AF015  | 32.50    | 67.92     | 27,000                  | Y                                |
| Afghanistan | <a href="#">Dashte Nawar</a>            | Ghazni                        | AF013  | 33.83    | 67.75     | 70,000                  | Y                                |
| Afghanistan | <a href="#">Hari Rud valley</a>         | Herat                         | AF011  | 34.35    | 62.63     | 35,000                  | Y                                |
| Afghanistan | <a href="#">Kole Hashmat Khan</a>       | Kabul                         | AF009  | 34.50    | 69.20     | 250                     | Y                                |
| Afghanistan | <a href="#">Registan desert</a>         | Kandahar                      | AF017  | 30.50    | 65.00     | 3,000,000               | Y                                |
| Afghanistan | <a href="#">Pech and Waygal valleys</a> | Konar                         | AF007  | 35.00    | 70.83     | 120,000                 | Y                                |
| Afghanistan | <a href="#">Imam Sahib</a>              | Konduz                        | AF002  | 37.25    | 68.83     | 20,000                  | Y                                |
| Afghanistan | <a href="#">Safed Koh</a>               | Nangarhar   Paktia            | AF012  | 34.00    | 70.33     | 200,000                 | Y                                |
| Afghanistan | <a href="#">Hamun-i-Puzak</a>           | Nimruz                        | AF016  | 31.60    | 61.80     | 35,000                  | Y                                |
| Afghanistan | <a href="#">Darqad</a>                  | Takhar                        | AF001  | 37.42    | 69.50     | 20,000                  | Y                                |
| Armenia     | <a href="#">Mount Ara</a>               | Aragatsotn                    | AM010  | 40.40    | 44.45     | 2,540                   | Y                                |
| Armenia     | <a href="#">Arماش fish-farm</a>         | Ararat                        | AM004  | 39.75    | 44.77     | 4,639                   | Y                                |
| Armenia     | <a href="#">Gndasar</a>                 | Ararat                        | AM013  | 39.86    | 45.17     | 2,345                   | Y                                |
| Armenia     | <a href="#">Khosrov Reserve</a>         | Ararat                        | AM003  | 40.03    | 44.91     | 24,422                  | Y                                |
| Armenia     | <a href="#">Lake Sevan and environs</a> | Gegharkunik                   | AM005  | 40.35    | 45.34     | 154,627                 | Y                                |
| Armenia     | <a href="#">Dsegh</a>                   | Lori                          | AM008  | 40.87    | 44.69     | 18,508                  | Y                                |
| Armenia     | <a href="#">Pombak mountain chain</a>   | Lori                          | AM002  | 40.69    | 44.59     | 56,675                  | Y                                |
| Armenia     | <a href="#">Gorayk</a>                  | Syunik                        | AM016  | 39.68    | 45.78     | 5,923                   | Y                                |
| Armenia     | <a href="#">Meghri</a>                  | Syunik                        | AM018  | 39.01    | 46.38     | 33,331                  | Y                                |
| Armenia     | <a href="#">Zangezor</a>                | Syunik                        | AM017  | 39.18    | 46.09     | 23,236                  | Y                                |
| Armenia     | <a href="#">Haghartsin</a>              | Tavush                        | AM009  | 40.81    | 44.95     | 6,137                   | Y                                |
| Armenia     | <a href="#">Jermook</a>                 | Vayots Dzor                   | AM015  | 39.79    | 45.64     | 9,467                   | Y                                |
| Armenia     | <a href="#">Noravank</a>                | Vayots Dzor                   | AM014  | 39.66    | 45.23     | 14,002                  | Y                                |
| Armenia     | <a href="#">Amasia</a>                  |                               |        |          |           |                         | C                                |
| Armenia     | <a href="#">Arailer</a>                 |                               |        |          |           |                         | C                                |
| Armenia     | <a href="#">Lake Arpi</a>               |                               |        |          |           |                         | C                                |
| Armenia     | <a href="#">Metsamor</a>                |                               |        |          |           |                         | C                                |
| Armenia     | <a href="#">Sardarapat</a>              |                               |        |          |           |                         | C                                |
| Armenia     | <a href="#">Tashir</a>                  |                               |        |          |           |                         | C                                |
| Azerbaijan  | <a href="#">Yashma Island</a>           | Absheron                      | AZ033  | 40.73    | 49.53     | 250                     | Y                                |
| Azerbaijan  | <a href="#">Barda tugai forest</a>      | Agdash   Barda                | AZ029  | 40.38    | 47.37     | 4,000                   | Y                                |
| Azerbaijan  | <a href="#">Aggyol</a>                  | Agjabedy                      | AZ030  | 40.07    | 47.63     | 17,924                  | Y                                |
| Azerbaijan  | <a href="#">Lake Boz-Koba</a>           | Agjabedy   Beilagan   Imishli | AZ031  | 40.03    | 47.88     | 4,000                   | Y                                |
| Azerbaijan  | <a href="#">Karayazi forest</a>         | Akstafa   Kazakh              | AZ005  | 41.32    | 45.17     | 10,000                  | Y                                |
| Azerbaijan  | <a href="#">Lake Hajigabul</a>          | Ali-Bayramli                  | AZ041  | 39.99    | 48.93     | 8,000                   | Y                                |

| Country    | Site Name  | Subnational unit(s)                               | IBA no | Latitude | Longitude | Site Area Reported (ha) | Source (IBA - Y, consultation C) |
|------------|--|---|--------|----------|-----------|-------------------------|----------------------------------|
| Azerbaijan | <a href="#">Astara-chai valley</a>                                     | Astara  | AZ052  | 38.42    | 48.70     | 2,000                   | Y                                |
| Azerbaijan | <a href="#">Absheron archipelago (north) and Pirallahı bay</a>         | Baku  | AZ034  | 40.47    | 50.33     | 140,000                 | Y                                |
| Azerbaijan | <a href="#">Alazani river valley</a>                                   | Belokany   Zakataly   Kakhi                       | AZ003  | 41.45    | 46.48     | 5,000                   | Y                                |
| Azerbaijan | <a href="#">Lake Mahmudchala</a>                                       | Bilasuvar   Neftchala   Jalilabad   Masally       | AZ045  | 39.42    | 48.67     | 23,000                  | Y                                |
| Azerbaijan | <a href="#">Divichi liman (or Lake Akzibir)</a>                        | Divichi   | AZ024  | 41.32    | 49.08     | 7,000                   | Y                                |
| Azerbaijan | <a href="#">Red Lake</a>   | Garadag   | AZ036  | 40.33    | 49.75     | 500                     | Y                                |
| Azerbaijan | <a href="#">Sahil settlement - Shelf factory</a>                       | Garadag   | AZ053  | 40.18    | 49.60     | 50,000                  | Y                                |
| Azerbaijan | <a href="#">Shahdidi spit</a>  | Garadag   | AZ035  | 40.28    | 50.37     | 10,313                  | Y                                |
| Azerbaijan | <a href="#">Lake Sarysu</a>  | Imishli   | AZ032  | 40.08    | 48.17     | 11,000                  | Y                                |
| Azerbaijan | <a href="#">Ismaily area</a>   | Ismaily   | AZ026  | 40.93    | 48.17     | 5,778                   | Y                                |
| Azerbaijan | <a href="#">Glynyani island</a>  | Karadag   | AZ040  | 39.95    | 49.48     | 200                     | Y                                |
| Azerbaijan | <a href="#">Pirsagat Islands and Los Island</a>                        | Karadag   | AZ042  | 39.83    | 49.50     | 250                     | Y                                |
| Azerbaijan | <a href="#">Sangachal Bay</a>  | Karadag   | AZ039  | 40.15    | 49.50     | 4,000                   | Y                                |
| Azerbaijan | <a href="#">Akstafa-chai valley</a>                                    | Kazakh  | AZ006  | 41.13    | 45.43     | 200                     | Y                                |
| Azerbaijan | <a href="#">Lake Gey Gel</a>   | Khanlar   | AZ012  | 40.43    | 46.32     | 7,131                   | Y                                |
| Azerbaijan | <a href="#">Korchai area</a>   | Khanlar   Mingechaur                              | AZ008  | 40.87    | 46.60     | 15,000                  | Y                                |
| Azerbaijan | <a href="#">Alty Agach area</a>  | Khizi   | AZ027  | 40.83    | 48.90     | 5,500                   | Y                                |
| Azerbaijan | <a href="#">Mount Babadag</a>  | Kuba   Ismailly                                   | AZ025  | 41.03    | 48.12     | 9,000                   | Y                                |
| Azerbaijan | <a href="#">Lachin area</a>  | Lachin  | AZ015  | 39.78    | 46.42     | 20,000                  | Y                                |
| Azerbaijan | <a href="#">Gizilagach State Reserve</a>                               | Lenkoran  | AZ048  | 39.08    | 49.05     | 132,500                 | Y                                |
| Azerbaijan | <a href="#">Mount Kargabazar and Mount Gush-gavya</a>                  | Maraza  | AZ037  | 40.37    | 49.33     | 3,000                   | Y                                |
| Azerbaijan | <a href="#">Varvara Reservoir</a>                                      | Mingechaur  | AZ009  | 40.73    | 47.05     | 4,000                   | Y                                |
| Azerbaijan | <a href="#">Kura Delta</a>   | Neftchala   | AZ046  | 39.33    | 49.40     | 15,000                  | Y                                |
| Azerbaijan | <a href="#">Gekchai Bozdag mountains</a>                               | Oguz (Vartashen)   Gabala (Kutgashen)             | AZ011  | 40.70    | 47.62     | 5,000                   | Y                                |
| Azerbaijan | <a href="#">Lake Ych-chala (Novogolovka-chala)</a>                     | Saliyany   Massally                               | AZ047  | 39.23    | 48.72     | 2,500                   | Y                                |
| Azerbaijan | <a href="#">Shorgel lakes/Shirvan reserve</a>                          | Saliyany   Neftchala                              | AZ043  | 39.50    | 49.25     | 26,000                  | Y                                |
| Azerbaijan | <a href="#">Mugan steppe</a>   | Saliyany   Pushkin   Imishli   Saatly   Sabirabad | AZ044  | 39.63    | 48.57     | 100,000                 | Y                                |
| Azerbaijan | <a href="#">Shamkhor area</a>  | Shamkhor  | AZ007  | 40.93    | 46.25     | 10,000                  | Y                                |
| Azerbaijan | <a href="#">Sheki upland</a>   | Sheki   | AZ004  | 41.20    | 47.17     | 10,400                  | Y                                |
| Azerbaijan | <a href="#">Zuvand upland</a>  | Yardymly   Lerik                                  | AZ050  | 38.83    | 48.25     | 15,000                  | Y                                |
| Bahrain    | <a href="#">Tubli Bay</a>  | Capital   Central                                 | BH001  | 26.17    | 50.57     | 1,350                   | Y                                |
| Bahrain    | <a href="#">Maqabah</a>  | Northern  | BH002  | 26.20    | 50.49     | 200                     | Y                                |
| Bahrain    | <a href="#">Hawar Islands</a>  | Southern  | BH004  | 25.66    | 50.75     | 22,854                  | Y                                |
| Bahrain    | <a href="#">South-west Coast</a>                                       | Southern  | BH003  | 25.91    | 50.54     | 1,600                   | Y                                |
| Bangladesh | <a href="#">Aila Beel</a>  |   | BD003  | 24.88    | 91.20     | 160                     | Y                                |
| Bangladesh | <a href="#">Ganges-Brahmaputra-Meghna delta</a>                        |   | BD011  | 22.30    | 91.17     | 75,000                  | Y                                |
| Bangladesh | <a href="#">Hail Haor</a>  |   | BD006  | 24.37    | 91.68     | 8,906                   | Y                                |
| Bangladesh | <a href="#">Hakaluki Haor</a>  |   | BD004  | 24.65    | 92.08     | 20,400                  | Y                                |
| Bangladesh | <a href="#">Jamuna-Brahmaputra river</a>                               |   | BD009  | 24.50    | 89.67     | 200,000                 | Y                                |
| Bangladesh | <a href="#">Lawachara / West Bhanugach Reserved Forest</a>             |   | BD005  | 24.35    | 91.80     | 900                     | Y                                |
| Bangladesh | <a href="#">Muhuri Dam</a>   |   | BD012  | 22.85    | 91.47     | 500                     | Y                                |
| Bangladesh | <a href="#">Pabla khali Wildlife Sanctuary</a>                         |   | BD014  | 23.18    | 92.28     | 42,087                  | Y                                |
| Bangladesh | <a href="#">Padma river and charlands, Bakhor Ali, Chapainawabgonj</a> |   |        | 24.53    | 88.17     |                         | C                                |

| Country                        | Site Name   | Subnational unit(s)                                     | IBA no | Latitude | Longitude | Site Area Reported (ha) | Source (IBA - Y, consultation C) |
|--------------------------------|---|---|--------|----------|-----------|-------------------------|----------------------------------|
| Bangladesh                     | Padma river and charlands, Rajshahi                                       |   |        | 24.36    | 88.73     |                         | C                                |
| Bangladesh                     | <a href="#">Patenga Beach</a>   |   | BD016  | 22.23    | 91.80     | 500                     | Y                                |
| Bangladesh                     | Rajshahi district   |   |        | 24.66    | 88.83     | 240701                  | C                                |
| Bangladesh                     | <a href="#">Sonadia Island</a>  |   | BD020  | 21.50    | 91.88     | 4,916                   | Y                                |
| Bangladesh                     | <a href="#">Sunderbans (East, South, West Wildlife Sanctuaries)</a>       |   | BD010  | 21.83    | 89.67     | 139,699                 | Y                                |
| Bangladesh                     | <a href="#">Tanguar Haor and Panabeel</a>                                 |   | BD002  | 25.13    | 91.03     | 1,566                   | Y                                |
| Bangladesh                     | <a href="#">Teknaf Game Reserve</a>                                       |   | BD019  | 21.00    | 92.23     | 11,615                  | Y                                |
| Bhutan                         | <a href="#">Bumthang wetlands</a>   | Bumthang  | BT014  | 27.60    | 90.72     | 2,000                   | Y                                |
| Bhutan                         | <a href="#">Ada lake / Puna Tsangchu</a>                                  | Dagana   Punakha   Thimphu   Tsirang   Wangdi Phodrang  | BT008  | 27.37    | 89.92     | 35,000                  | Y                                |
| Bhutan                         | <a href="#">Jigme Dorji National Park</a>                                 | Gasa   Paro   Punakha   Thimphu   Wangdi Phodrang       | BT001  | 27.92    | 89.70     | 390,000                 | Y                                |
| Bhutan                         | <a href="#">Chele La</a>  | Ha   Paro   | BT004  | 27.38    | 89.37     | 5,000                   | Y                                |
| Bhutan                         | <a href="#">Toorsa Strict Nature Reserve</a>                              | Ha   Samtse   | BT002  | 27.35    | 89.07     | 64,400                  | Y                                |
| Bhutan                         | <a href="#">Menji wetland</a>   | Lhuntshi  | BT017  | 27.62    | 91.22     | 2,000                   | Y                                |
| Bhutan                         | <a href="#">Bumdelling Wildlife Sanctuary</a>                             | Lhuntshi   Mongar   Yangtse                             | BT018  | 27.72    | 91.45     | 125,000                 | Y                                |
| Bhutan                         | <a href="#">Paro wetlands</a>   | Paro  | BT005  | 27.35    | 89.48     | 2,000                   | Y                                |
| Bhutan                         | <a href="#">Deothang / Narphang / Samdrup Jongkhar</a>                    | Pemagatsel   Samdrup Jongkhar   Tashigang               | BT021  | 26.90    | 91.52     | 50,000                  | Y                                |
| Bhutan                         | <a href="#">Royal Manas National Park</a>                                 | Samdrup Jongkhar   Sarpang   Shemgang                   | BT015  | 26.85    | 90.77     | 97,500                  | Y                                |
| Bhutan                         | <a href="#">Jigme Singye Wangchuk National Park</a>                       | Sarpang   Shemgang   Tongsa   Tsirang   Wangdi Phodrang | BT012  | 27.23    | 90.37     | 130,000                 | Y                                |
| Bhutan                         | <a href="#">Kanglung wetlands</a>   | Tashigang   | BT020  | 27.33    | 91.62     | 1,000                   | Y                                |
| Bhutan                         | <a href="#">Thimphu wetlands</a>  | Thimphu   | BT006  | 27.47    | 89.63     | 2,000                   | Y                                |
| Bhutan                         | <a href="#">Tshangkha</a>   | Tongsa  | BT013  | 27.47    | 90.47     | 1,500                   | Y                                |
| Bhutan                         | <a href="#">Phopjiika and Khatékha valleys</a>                            | Wangdi Phodrang   | BT009  | 27.47    | 90.18     | 3,500                   | Y                                |
| British Indian Ocean Territory | <a href="#">Eastern Diego Garcia island group</a>                         |   | IO001  | -7.33    | 72.47     | 3,300                   | Y                                |
| British Indian Ocean Territory | <a href="#">Nelson Island</a>   |   | IO007  | -5.68    | 72.32     | 81                      | Y                                |
| China (mainland)               | <a href="#">Dongling Shan</a>   | Beijing   | CN324  | 40.03    | 115.42    | 13,000                  | Y                                |
| China (mainland)               | <a href="#">Guanting Reservoir</a>  | Beijing   | CN323  | 40.43    | 115.83    | 10,000                  | Y                                |
| China (mainland)               | <a href="#">Song Shan Nature Reserve</a>                                  | Beijing   | CN322  | 40.55    | 115.77    | 4,660                   | Y                                |
| China (mainland)               | <a href="#">Baishui Jiang Nature Reserve</a>                              | Gansu   | CN169  | 32.77    | 104.75    | 213,750                 | Y                                |
| China (mainland)               | <a href="#">Dunhuang Nature Reserve and Western Qilian Shan mountains</a> | Gansu   | CN159  | 39.00    | 96.42     | 7,280,000               | Y                                |
| China (mainland)               | <a href="#">Eastern Qilian Shan mountains</a>                             | Gansu   | CN161  | 38.25    | 101.00    | 4,284,000               | Y                                |
| China (mainland)               | <a href="#">Ganligahai-Zecha Nature Reserve</a>                           | Gansu   | CN165  | 34.23    | 102.32    | 247,431                 | Y                                |
| China (mainland)               | <a href="#">Heshui</a>  | Gansu   | CN172  | 36.00    | 108.33    | 290,000                 | Y                                |
| China (mainland)               | <a href="#">Huang He Shouqu Nature Reserve</a>                            | Gansu   | CN166  | 33.50    | 102.25    | 37,500                  | Y                                |
| China (mainland)               | <a href="#">Jinta</a>   | Gansu   | CN160  | 40.50    | 99.20     | 1,800,000               | Y                                |
| China (mainland)               | <a href="#">Jonê</a>  | Gansu   | CN167  | 34.47    | 103.35    | 250,000                 | Y                                |
| China (mainland)               | <a href="#">Loess Plateau in western Gansu</a>                            | Gansu   | CN163  | 36.03    | 103.98    | 1,509,624               | Y                                |
| China (mainland)               | <a href="#">Minqin</a>  | Gansu   | CN162  | 38.78    | 103.25    | 1,600,000               | Y                                |
| China (mainland)               | <a href="#">Pingliang</a>   | Gansu   | CN171  | 35.50    | 106.83    | 190,000                 | Y                                |
| China (mainland)               | <a href="#">Hala Hai</a>  | Heilongjiang  | CN009  | 47.55    | 123.45    | 29,473                  | Y                                |
| China (mainland)               | <a href="#">Huma He Nature Reserve</a>                                    | Heilongjiang  | CN002  | 51.97    | 124.87    | 60,000                  | Y                                |
| China (mainland)               | <a href="#">Huzhong Nature Reserve</a>                                    | Heilongjiang  | CN001  | 51.62    | 123.05    | 167,213                 | Y                                |

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|------------------|---|---------------------|--------|----------|-----------|-------------------------|----------------------------------|
| China (mainland) | <a href="#">Keluo He Nature Reserve</a>   | Heilongjiang        | CN004  | 49.13    | 125.87    | 3,577                   | Y                                |
| China (mainland) | <a href="#">Lianhuanhu Waterbird Nature Reserve</a>                                       | Heilongjiang        | CN010  | 47.00    | 123.13    | 43,000                  | Y                                |
| China (mainland) | <a href="#">Maoshan Nature Reserve</a>  | Heilongjiang        | CN005  | 48.70    | 125.83    | 26,641                  | Y                                |
| China (mainland) | <a href="#">Tailai Dongfanghong</a>   | Heilongjiang        | CN012  | 46.43    | 123.47    | 32,000                  | Y                                |
| China (mainland) | <a href="#">Wuda Lianchi Nature Reserve</a>   | Heilongjiang        | CN006  | 48.67    | 126.20    | 100,800                 | Y                                |
| China (mainland) | <a href="#">Zhalong Nature Reserve</a>  | Heilongjiang        | CN011  | 47.20    | 124.20    | 210,000                 | Y                                |
| China (mainland) | <a href="#">Bayan Obo Nature Reserve</a>  | Inner Mongolia      | CN080  | 43.55    | 117.18    | 13,862                  | Y                                |
| China (mainland) | <a href="#">Caimushan Nature Reserve</a>  | Inner Mongolia      | CN083  | 42.37    | 116.78    | 42,477                  | Y                                |
| China (mainland) | <a href="#">Dalai Nur Nature Reserve</a>  | Inner Mongolia      | CN070  | 49.00    | 117.38    | 740,000                 | Y                                |
| China (mainland) | <a href="#">Dali Nur Nature Reserve</a>   | Inner Mongolia      | CN081  | 43.32    | 116.83    | 119,413                 | Y                                |
| China (mainland) | <a href="#">Damaoqi</a>   | Inner Mongolia      | CN085  | 41.50    | 109.58    | 1,100,000               | Y                                |
| China (mainland) | <a href="#">Ejin Qidaoqiao Nature Reserve</a>   | Inner Mongolia      | CN090  | 42.00    | 101.17    | 26,253                  | Y                                |
| China (mainland) | <a href="#">Genhe</a>   | Inner Mongolia      | CN066  | 51.00    | 122.00    | 40,900                  | Y                                |
| China (mainland) | <a href="#">Hasuhai Nature Reserve</a>  | Inner Mongolia      | CN077  | 40.60    | 110.98    | 5,360                   | Y                                |
| China (mainland) | <a href="#">Holqin Nature Reserve</a>   | Inner Mongolia      | CN074  | 44.90    | 121.95    | 126,987                 | Y                                |
| China (mainland) | <a href="#">Honggolj Nature Reserve</a>   | Inner Mongolia      | CN072  | 48.17    | 120.22    | 20,085                  | Y                                |
| China (mainland) | <a href="#">Huihe Nature Reserve</a>  | Inner Mongolia      | CN071  | 48.68    | 118.87    | 120,000                 | Y                                |
| China (mainland) | <a href="#">Mangui</a>  | Inner Mongolia      | CN064  | 52.13    | 122.20    | 385,000                 | Y                                |
| China (mainland) | <a href="#">Nei Mongol Helan Shan Nature Reserve</a>                                      | Inner Mongolia      | CN089  | 38.65    | 105.82    | 67,700                  | Y                                |
| China (mainland) | <a href="#">Nudeng</a>  | Inner Mongolia      | CN088  | 42.23    | 106.52    | 28,040                  | Y                                |
| China (mainland) | <a href="#">Nuomin - Bila He - Dayangshu</a>  | Inner Mongolia      | CN069  | 49.67    | 122.83    | 148,770                 | Y                                |
| China (mainland) | <a href="#">Ordos Taolimiao - Alashanwan Haizi</a>  | Inner Mongolia      | CN087  | 39.80    | 109.33    | 8,800                   | Y                                |
| China (mainland) | <a href="#">Orqohan</a>   | Inner Mongolia      | CN068  | 49.75    | 121.83    | 1,640,000               | Y                                |
| China (mainland) | <a href="#">Saihan UI Nature Reserve</a>  | Inner Mongolia      | CN078  | 44.23    | 118.60    | 100,400                 | Y                                |
| China (mainland) | <a href="#">Tumuji Nature Reserve</a>   | Inner Mongolia      | CN073  | 46.23    | 122.93    | 94,830                  | Y                                |
| China (mainland) | <a href="#">Ulansuhai Nur Nature Reserve</a>  | Inner Mongolia      | CN086  | 41.10    | 108.83    | 29,333                  | Y                                |
| China (mainland) | <a href="#">Ulgai</a>   | Inner Mongolia      | CN076  | 45.75    | 118.50    | 1,800,000               | Y                                |
| China (mainland) | <a href="#">Xilin Gol Nature Reserve</a>  | Inner Mongolia      | CN082  | 44.13    | 116.30    | 1,078,600               | Y                                |
| China (mainland) | <a href="#">Beidagang</a>   | Jilin               | CN038  | 45.92    | 122.92    | 48,600                  | Y                                |
| China (mainland) | <a href="#">Melmeg (Momege) Nature Reserve</a>  | Jilin               | CN039  | 46.00    | 123.75    | 144,000                 | Y                                |
| China (mainland) | <a href="#">Xianghai Nature Reserve</a>   | Jilin               | CN037  | 45.08    | 122.33    | 105,467                 | Y                                |
| China (mainland) | <a href="#">Helan Shan Nature Reserve (Ningxia)</a>                                       | Ningxia             | CN174  | 38.58    | 106.00    | 157,000                 | Y                                |
| China (mainland) | <a href="#">Liupan Shan Nature Reserve</a>  | Ningxia             | CN177  | 35.70    | 106.67    | 67,300                  | Y                                |
| China (mainland) | <a href="#">Qingtongxia reservoir and Yellow River wetlands in Zhongning and Zhongwei</a> | Ningxia             | CN175  | 37.60    | 105.67    | 60,000                  | Y                                |
| China (mainland) | <a href="#">Yinchuan plain</a>  | Ningxia             | CN173  | 38.68    | 106.45    | 448,000                 | Y                                |
| China (mainland) | <a href="#">Area between Qinghai Hu and A'nyê-maqên</a>                                   | Qinghai             | CN158  | 35.70    | 100.45    | 1,620,000               | Y                                |
| China (mainland) | <a href="#">Qinghai Hu (Koko Nor)</a>   | Qinghai             | CN156  | 37.00    | 100.83    | 495,200                 | Y                                |
| China (mainland) | <a href="#">Sanjiangyuan Nature Reserve</a>   | Qinghai             | CN154  | 33.37    | 100.10    | 15,230,000              | Y                                |
| China (mainland) | <a href="#">Xining</a>  | Qinghai             | CN157  | 36.90    | 101.68    | 1,008,000               | Y                                |
| China (mainland) | <a href="#">Hongjian Nur</a>  | Shaanxi             | CN291  | 39.08    | 109.92    | 21,700                  | Y                                |
| China (mainland) | <a href="#">Panguangou Nature Reserve</a>   | Shanxi              | CN306  | 37.83    | 111.45    | 10,466                  | Y                                |
| China (mainland) | <a href="#">Xiaruyue Reservoir</a>  | Shanxi              | CN304  | 39.22    | 113.37    | 267                     | Y                                |
| China (mainland) | <a href="#">Babso Nature Reserve</a>  | Sichuan             | CN183  | 33.40    | 103.38    | 143,800                 | Y                                |
| China (mainland) | <a href="#">Baiyang Nature Reserve</a>  | Sichuan             | CN192  | 32.27    | 104.00    | 76,710                  | Y                                |
| China (mainland) | <a href="#">Changshagongma Nature Reserve</a>   | Sichuan             | CN178  | 33.58    | 98.00     | 669,759                 | Y                                |
| China (mainland) | <a href="#">Haizishan Nature Reserve</a>  | Sichuan             | CN180  | 29.50    | 100.00    | 459,161                 | Y                                |
| China (mainland) | <a href="#">Heishuihe Nature Reserve (Dayi)</a>   | Sichuan             | CN203  | 30.70    | 103.12    | 31,800                  | Y                                |



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| China (mainland) | <a href="#">Kasha Hu Nature Reserve</a>   | Sichuan             | CN179  | 31.67    | 100.27    | 19,200                  | Y                                |
| China (mainland) | <a href="#">Labahe Nature Reserve</a>   | Sichuan             | CN205  | 30.20    | 102.43    | 13,241                  | Y                                |
| China (mainland) | <a href="#">Têwo Nature Reserve</a>   | Sichuan             | CN181  | 34.08    | 103.02    | 20,000                  | Y                                |
| China (mainland) | <a href="#">Wolong Nature Reserve</a>   | Sichuan             | CN201  | 31.10    | 103.13    | 200,000                 | Y                                |
| China (mainland) | <a href="#">Xiaohegou Nature Reserve</a>  | Sichuan             | CN188  | 32.58    | 104.33    | 28,227                  | Y                                |
| China (mainland) | <a href="#">Xuebaoding Nature Reserve</a>                                       | Sichuan             | CN191  | 32.35    | 104.13    | 63,615                  | Y                                |
| China (mainland) | <a href="#">Zoigê (Ruo'ergai) Marshes</a>                                       | Sichuan             | CN182  | 33.55    | 102.48    | 500,000                 | Y                                |
| China (mainland) | <a href="#">Bangong Co</a>  | Tibet               | CN131  | 33.70    | 79.20     | 560,000                 | Y                                |
| China (mainland) | <a href="#">Changtang plateau</a>   | Tibet               | CN132  | 35.17    | 88.00     | 33,792,000              | Y                                |
| China (mainland) | <a href="#">Damxung</a>   | Tibet               | CN140  | 30.48    | 91.13     | 20,000                  | Y                                |
| China (mainland) | <a href="#">Gongbo Nature Reserve</a>   | Tibet               | CN149  | 29.55    | 93.97     | 2,212,833               | Y                                |
| China (mainland) | <a href="#">Karze Reservoir</a>   | Tibet               | CN142  | 29.90    | 91.17     | 4,000                   | Y                                |
| China (mainland) | <a href="#">Nam Co</a>  | Tibet               | CN139  | 30.70    | 90.90     | 1,060,000               | Y                                |
| China (mainland) | <a href="#">Siling Co Nature Reserve</a>  | Tibet               | CN133  | 30.48    | 87.50     | 2,032,380               | Y                                |
| China (mainland) | <a href="#">Yamdruk Co</a>  | Tibet               | CN145  | 29.18    | 90.62     | 90,000                  | Y                                |
| China (mainland) | <a href="#">Yarlong Zangpo Middle Reaches Black-necked Crane Nature Reserve</a> | Tibet               | CN144  | 29.82    | 91.42     | 614,350                 | Y                                |
| China (mainland) | <a href="#">Yarlung Zangbo Daxiagu Nature Reserve</a>                           | Tibet               | CN148  | 29.62    | 95.32     | 961,800                 | Y                                |
| China (mainland) | <a href="#">Aksayqin Hu and alpine grassland</a>                                | Xinjiang            | CN130  | 35.37    | 79.93     | 495,200                 | Y                                |
| China (mainland) | <a href="#">Aksu River basin</a>  | Xinjiang            | CN122  | 40.27    | 80.90     | 290,000                 | Y                                |
| China (mainland) | <a href="#">Altay forest and steppe</a>   | Xinjiang            | CN092  | 47.83    | 88.67     | 120,000                 | Y                                |
| China (mainland) | <a href="#">Aqqik Kol and alpine grassland</a>                                  | Xinjiang            | CN110  | 37.08    | 88.42     | 62,000                  | Y                                |
| China (mainland) | <a href="#">Ayark Kol and alpine grassland</a>                                  | Xinjiang            | CN109  | 37.50    | 89.50     | 125,000                 | Y                                |
| China (mainland) | <a href="#">Ayding Kol</a>  | Xinjiang            | CN105  | 42.83    | 89.08     | 64,000                  | Y                                |
| China (mainland) | <a href="#">Bachu Oasis</a>   | Xinjiang            | CN123  | 39.75    | 78.75     | 50,000                  | Y                                |
| China (mainland) | <a href="#">Barkol Lake and grassland</a>                                       | Xinjiang            | CN103  | 43.58    | 92.75     | 98,000                  | Y                                |
| China (mainland) | <a href="#">Bayanbulak and Kaidu River Valley</a>                               | Xinjiang            | CN114  | 42.75    | 84.33     | 136,894                 | Y                                |
| China (mainland) | <a href="#">Baytik Shan</a>   | Xinjiang            | CN101  | 45.17    | 90.75     | 73,000                  | Y                                |
| China (mainland) | <a href="#">Bogda (Tian Chi)</a>  | Xinjiang            | CN098  | 44.00    | 88.25     | 160,000                 | Y                                |
| China (mainland) | <a href="#">Bosten Lake</a>   | Xinjiang            | CN106  | 42.00    | 87.00     | 190,000                 | Y                                |
| China (mainland) | <a href="#">Bulungkol grassland and wetland</a>                                 | Xinjiang            | CN126  | 38.75    | 74.92     | 25,000                  | Y                                |
| China (mainland) | <a href="#">Burgen River Valley</a>   | Xinjiang            | CN100  | 46.25    | 90.33     | 15,000                  | Y                                |
| China (mainland) | <a href="#">Burqin River and Kanas Lake</a>                                     | Xinjiang            | CN091  | 48.33    | 87.00     | 210,000                 | Y                                |
| China (mainland) | <a href="#">Desert and wetland from Northern Urumqi to Dabancheng</a>           | Xinjiang            | CN097  | 44.17    | 87.50     | 80,000                  | Y                                |
| China (mainland) | <a href="#">Ebi Nur and Kuytun River</a>  | Xinjiang            | CN112  | 44.88    | 82.92     | 120,000                 | Y                                |
| China (mainland) | <a href="#">Gongliu spruce forest</a>   | Xinjiang            | CN119  | 43.25    | 82.75     | 38,000                  | Y                                |
| China (mainland) | <a href="#">Hotan Oasis</a>   | Xinjiang            | CN129  | 37.58    | 80.00     | 280,000                 | Y                                |
| China (mainland) | <a href="#">Ili River basin</a>   | Xinjiang            | CN118  | 43.58    | 82.00     | 36,000                  | Y                                |
| China (mainland) | <a href="#">Jingyu Hu</a>   | Xinjiang            | CN111  | 36.33    | 89.42     | 27,000                  | Y                                |
| China (mainland) | <a href="#">Karamay desert and lakes</a>  | Xinjiang            | CN095  | 45.67    | 85.17     | 38,000                  | Y                                |
| China (mainland) | <a href="#">Karamay Mountains</a>   | Xinjiang            | CN099  | 45.00    | 89.25     | 560,000                 | Y                                |
| China (mainland) | <a href="#">Kunes forest</a>  | Xinjiang            | CN113  | 43.25    | 84.50     | 54,000                  | Y                                |
| China (mainland) | <a href="#">Lower reaches of Tarim River</a>                                    | Xinjiang            | CN107  | 40.50    | 87.50     | 750,000                 | Y                                |
| China (mainland) | <a href="#">Markit-Yarkant Oasis</a>  | Xinjiang            | CN127  | 38.67    | 77.50     | 240,000                 | Y                                |
| China (mainland) | <a href="#">Mori Grassland</a>  | Xinjiang            | CN102  | 43.83    | 90.67     | 75,000                  | Y                                |
| China (mainland) | <a href="#">Mount Tuomuer Nature Reserve</a>                                    | Xinjiang            | CN121  | 42.00    | 80.50     | 237,600                 | Y                                |
| China (mainland) | <a href="#">Oasis and Desert in Hami</a>  | Xinjiang            | CN104  | 42.92    | 93.50     | 28,000                  | Y                                |
| China (mainland) | <a href="#">Oasis, Desert and Wetland at Mosuowan</a>                           | Xinjiang            | CN096  | 44.50    | 86.00     | 125,000                 | Y                                |

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| China (mainland) | <a href="#">Qapqal grassland and wetland</a>   | Xinjiang            | CN117  | 43.83    | 81.00     | 75,000                  | Y                                |
| China (mainland) | <a href="#">Qiemo Oasis and Qarqan River</a>   | Xinjiang            | CN108  | 38.50    | 85.83     | 85,000                  | Y                                |
| China (mainland) | <a href="#">Sayram Nur</a>   | Xinjiang            | CN116  | 44.67    | 81.17     | 62,000                  | Y                                |
| China (mainland) | <a href="#">Tacheng (Qoqek) area</a>   | Xinjiang            | CN094  | 46.83    | 83.00     | 45,000                  | Y                                |
| China (mainland) | <a href="#">Tarim Euphrates Poplar Forest Nature Reserve</a>                               | Xinjiang            | CN115  | 41.17    | 84.83     | 387,900                 | Y                                |
| China (mainland) | <a href="#">Ulugqat grassland and wetland</a>  | Xinjiang            | CN125  | 39.83    | 74.33     | 85,000                  | Y                                |
| China (mainland) | <a href="#">Ulungur Hu and Jili Hu (Fu Hai)</a>  | Xinjiang            | CN093  | 47.25    | 87.33     | 110,000                 | Y                                |
| China (mainland) | <a href="#">Xayar forest and wetland</a>   | Xinjiang            | CN120  | 41.00    | 83.08     | 280,000                 | Y                                |
| China (mainland) | <a href="#">Xekar Reservoir</a>  | Xinjiang            | CN124  | 39.80    | 77.33     | 5,000                   | Y                                |
| China (mainland) | <a href="#">Baima Xueshan Nature Reserve</a>   | Yunnan              | CN233  | 28.08    | 99.17     | 190,144                 | Y                                |
| China (mainland) | <a href="#">Dulong Jiang River Valley</a>  | Yunnan              | CN232  | 27.73    | 98.42     | 337,585                 | Y                                |
| China (mainland) | <a href="#">Naqpag Co (Napa Hai) Nature Reserve</a>  | Yunnan              | CN234  | 27.87    | 99.63     | 2,400                   | Y                                |
| China (mainland) | <a href="#">Nanweng He Nature Reserve</a>  | Yunnan              | CN003  | 51.25    | 125.92    | 229,523                 | Y                                |
| China (mainland) | <a href="#">Tongbiguan</a>   | Yunnan              | CN245  | 24.37    | 97.73     | 34,158                  | Y                                |
| Georgia          | <a href="#">Alazani Valley</a>   | Kakheti             | GE025  | 41.83    | 45.82     | 64,311                  | Y                                |
| Georgia          | <a href="#">Iori Region</a>  | Kakheti             | GE011  | 41.42    | 46.00     | 239,374                 | Y                                |
| Georgia          | <a href="#">Kazbegi</a>  | Khevi               | GE021  | 42.67    | 44.67     | 94,889                  | Y                                |
| Georgia          | <a href="#">Jandari Lake</a>   | Kvemo Kartli        | GE027  | 41.43    | 45.22     | 2,229                   | Y                                |
| Georgia          | <a href="#">Lower Kura Valley</a>  | Kvemo Kartli        | GE026  | 41.42    | 45.92     | 10,933                  | Y                                |
| Georgia          | <a href="#">Eastern Caucasus mountains</a>   |                     | GE032  | 42.08    | 45.92     | 37,370                  | Y                                |
| Georgia          | <a href="#">Kvernaki Ridge</a>   |                     | GE020  | 41.98    | 44.32     | 12,969                  | Y                                |
| Georgia          | Kvernakis Kedi   |                     |        |          |           |                         | C                                |
| Georgia          | Liakhvi  |                     |        |          |           |                         | C                                |
| Georgia          | Madatafis Tba  |                     |        |          |           |                         | C                                |
| Georgia          | Meskheti   |                     |        |          |           |                         | C                                |
| Georgia          | Mesxetis Kedi  |                     |        |          |           |                         | C                                |
| Georgia          | Paravnis Tba   |                     |        |          |           |                         | C                                |
| Georgia          | Pskhu  |                     |        |          |           |                         | C                                |
| Georgia          | Racha  |                     |        |          |           |                         | C                                |
| Georgia          | Ritsa  |                     |        |          |           |                         | C                                |
| Georgia          | Sagamos Tba  |                     |        |          |           |                         | C                                |
| Georgia          | Shavshetis Kedi  |                     |        |          |           |                         | C                                |
| Georgia          | Svaneti  |                     |        |          |           |                         | C                                |
| Georgia          | Tabatskuris Tba  |                     |        |          |           |                         | C                                |
| Georgia          | Trialetis Kedi   |                     |        |          |           |                         | C                                |
| India            | <a href="#">Coringa Wildlife Sanctuary and Godavari estuary</a>                            | Andhra Pradesh      | IN215  | 16.83    | 82.34     | 23,570                  | Y                                |
| India            | <a href="#">Horsley Hills</a>  | Andhra Pradesh      | IN216  | 13.68    | 78.47     | 940                     | Y                                |
| India            | <a href="#">Kolleru Lake Wildlife Sanctuary</a>  | Andhra Pradesh      | IN218  | 16.79    | 81.39     | 67,300                  | Y                                |
| India            | <a href="#">Manjira Wildlife Sanctuary</a>   | Andhra Pradesh      | IN219  | 17.96    | 78.04     | 2,000                   | Y                                |
| India            | <a href="#">Nelapattu Bird Sanctuary</a>   | Andhra Pradesh      | IN221  | 13.84    | 79.99     | 440                     | Y                                |
| India            | <a href="#">Noorukuppalakonda Reserve Forest</a>   | Andhra Pradesh      |        | 13.61    | 78.60     | 3,424                   | Y                                |
| India            | <a href="#">Pakhal Lake Wildlife Sanctuary</a>   | Andhra Pradesh      | IN222  | 17.90    | 80.08     | 87,930                  | Y                                |
| India            | <a href="#">Pocharam Wildlife Sanctuary</a>  | Andhra Pradesh      | IN223  | 18.17    | 78.20     | 13,000                  | Y                                |
| India            | <a href="#">Pulicat Lake</a>   | Andhra Pradesh      | IN224  | 13.67    | 80.18     | 60,000                  | Y                                |
| India            | <a href="#">Rajiv Gandhi Wildlife Sanctuary (Nagarjunasagar - Srisailem Tiger Reserve)</a> | Andhra Pradesh      | IN220  | 16.53    | 79.32     | 356,809                 | Y                                |
| India            | <a href="#">Rollapadu Wildlife Sanctuary</a>   | Andhra Pradesh      | IN225  | 15.75    | 78.45     | 614                     | Y                                |

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|---------|--|---------------------|--------|----------|-----------|-------------------------|----------------------------------|
| India   | <a href="#">Sri Venkateswara Wildlife Sanctuary and National Park</a>    | Andhra Pradesh      | IN228  | 13.84    | 79.41     | 50,694                  | Y                                |
| India   | <a href="#">Telineelapuram</a>   | Andhra Pradesh      | IN229  | 19.12    | 84.68     | 460                     | Y                                |
| India   | <a href="#">Uppalapadu</a>   | Andhra Pradesh      | IN230  | 16.27    | 80.37     | 15                      | Y                                |
| India   | <a href="#">Chaglagaum - Denning</a>                                     | Arunachal Pradesh   |        | 27.83    | 96.00     | 150,000                 | Y                                |
| India   | <a href="#">Chayang Tajo - Khenewa - Lada</a>                            | Arunachal Pradesh   | IN339  | 27.61    | 93.08     | 160,000                 | Y                                |
| India   | <a href="#">D'Ering Memorial Wildlife Sanctuary</a>                      | Arunachal Pradesh   | IN340  | 27.94    | 95.45     | 19,000                  | Y                                |
| India   | <a href="#">Dibang Reserve Forest and adjacent areas</a>                 | Arunachal Pradesh   | IN341  | 28.10    | 95.63     | 20,200                  | Y                                |
| India   | <a href="#">Dichu Reserve Forest</a>                                     | Arunachal Pradesh   | IN343  | 28.20    | 97.35     | 179,200                 | Y                                |
| India   | <a href="#">Eaglenest Wildlife Sanctuary</a>                             | Arunachal Pradesh   |        | 27.15    | 92.36     | 21,700                  | Y                                |
| India   | <a href="#">Itanagar Wildlife Sanctuary</a>                              | Arunachal Pradesh   | IN345  | 27.09    | 93.50     | 14,030                  | Y                                |
| India   | <a href="#">Kamlang Wildlife Sanctuary and Reserve Forest</a>            | Arunachal Pradesh   |        | 27.64    | 96.62     | 181,500                 | Y                                |
| India   | <a href="#">Koloriang - Sarli - Damin area</a>                           | Arunachal Pradesh   | IN347  | 27.67    | 93.30     | 200,000                 | Y                                |
| India   | <a href="#">Magu Thingbu</a>   | Arunachal Pradesh   | IN348  | 27.67    | 92.17     | 82,000                  | Y                                |
| India   | <a href="#">Mandla Phudung</a>   | Arunachal Pradesh   |        | 27.39    | 92.29     | 50,000                  | Y                                |
| India   | <a href="#">Mehao Wildlife Sanctuary</a>                                 | Arunachal Pradesh   | IN351  | 28.21    | 95.82     | 28,150                  | Y                                |
| India   | <a href="#">Monigong - Jorgging - Tuting</a>                             | Arunachal Pradesh   |        | 28.50    | 94.50     | 210,000                 | Y                                |
| India   | <a href="#">Mouling National Park</a>                                    | Arunachal Pradesh   | IN352  | 28.54    | 94.77     | 48,300                  | Y                                |
| India   | <a href="#">Nachu - Limeking - Taksing - Majha</a>                       | Arunachal Pradesh   | IN353  | 28.58    | 93.52     | 200,000                 | Y                                |
| India   | <a href="#">Namdapha National Park</a>                                   | Arunachal Pradesh   |        | 27.64    | 96.63     | 198,500                 | Y                                |
| India   | <a href="#">Namsangmukh - Borduria</a>                                   | Arunachal Pradesh   | IN356  | 27.22    | 95.50     | 8,000                   | Y                                |
| India   | <a href="#">Pakhui or Pakke Wildlife Sanctuary</a>                       | Arunachal Pradesh   | IN357  | 27.32    | 92.87     | 86,195                  | Y                                |
| India   | <a href="#">Sangti Valley</a>  | Arunachal Pradesh   | IN359  | 27.45    | 92.08     | 500                     | Y                                |
| India   | <a href="#">Sessa Orchid Sanctuary</a>                                   | Arunachal Pradesh   |        | 27.14    | 92.36     | 10,000                  | Y                                |
| India   | <a href="#">Shergaon - Tenzinggang - Kalaktang</a>                       | Arunachal Pradesh   |        | 27.40    | 92.30     | 50,000                  | Y                                |
| India   | <a href="#">Taley Valley Wildlife Sanctuary</a>                          | Arunachal Pradesh   | IN361  | 27.69    | 93.85     | 51,587                  | Y                                |
| India   | <a href="#">The Chapories of Lohit Reserve</a>                           | Arunachal Pradesh   | IN362  | 27.88    | 96.08     | 20,000                  | Y                                |
| India   | <a href="#">Thungri - Chaglang - Poshingla Maji, Basti and Liak area</a> | Arunachal Pradesh   | IN363  | 27.53    | 92.37     | 50,000                  | Y                                |
| India   | <a href="#">Walong</a>   | Arunachal Pradesh   |        | 27.83    | 96.83     | 100,000                 | Y                                |
| India   | <a href="#">Zemithang - Nelya</a>  | Arunachal Pradesh   | IN365  | 27.71    | 92.38     | 30,000                  | Y                                |
| India   | <a href="#">Amchang Hills</a>  | Assam               | IN366  | 26.10    | 91.75     | 7,400                   | Y                                |
| India   | <a href="#">Barail Range forests</a>                                     | Assam               |        | 25.00    | 93.00     | 50,000                  | Y                                |
| India   | <a href="#">Barail Wildlife Sanctuary</a>                                | Assam               |        | 25.00    | 92.44     | 32,600                  | Y                                |
| India   | <a href="#">Barnadi Wildlife Sanctuary</a>                               | Assam               | IN368  | 26.79    | 91.73     | 2,622                   | Y                                |
| India   | <a href="#">Bauwwa Beel</a>  | Assam               | IN369  | 24.63    | 92.58     | 70                      | Y                                |
| India   | <a href="#">Behali Reserve Forest</a>                                    | Assam               | IN370  | 26.92    | 93.38     | 14,000                  | Y                                |
| India   | <a href="#">Bherjan-Borajan-Podumoni Wildlife Sanctuary</a>              | Assam               | IN371  | 27.48    | 95.38     | 774                     | Y                                |
| India   | <a href="#">Bordoibam-Bilmukh Bird Sanctuary</a>                         | Assam               | IN372  | 27.33    | 94.33     | 1,125                   | Y                                |
| India   | <a href="#">Bordoloni - Sampora</a>                                      | Assam               | IN373  | 27.42    | 94.38     | 3,000                   | Y                                |
| India   | <a href="#">Chakrashila Complex</a>                                      | Assam               | IN374  | 26.31    | 90.37     | 5,300                   | Y                                |
| India   | <a href="#">Chandubi Lake and adjoining areas</a>                        | Assam               | IN375  | 25.87    | 91.42     | 2,000                   | Y                                |
| India   | <a href="#">Chirang Reserve Forest</a>                                   | Assam               |        | 26.79    | 90.33     | 40,000                  | Y                                |
| India   | <a href="#">Dadara-Pasariya-Singimari</a>                                | Assam               |        | 26.25    | 91.67     | 300                     | Y                                |
| India   | <a href="#">Deeopor Beel Bird Sanctuary</a>                              | Assam               | IN379  | 26.12    | 91.67     | 414                     | Y                                |
| India   | <a href="#">Deobali Jalah</a>  | Assam               |        | 26.25    | 92.58     | 1,000                   | Y                                |
| India   | <a href="#">Dhansiri Reserve Forest</a>                                  | Assam               | IN377  | 25.66    | 93.45     | 77,000                  | Y                                |
| India   | <a href="#">Dibru - Saikhowa Complex</a>                                 | Assam               | IN378  | 27.69    | 95.35     | 80,000                  | Y                                |

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| India   | <a href="#">Dum Duma, Dangori and Kumsong Reserve Forests</a>                        | Assam               | IN380  | 27.66    | 95.73     | 6,050                   | Y                                |
| India   | <a href="#">East and North Karbi Anglong Wildlife Sanctuaries</a>                    | Assam               | IN381  | 26.47    | 93.36     | 31,781                  | Y                                |
| India   | <a href="#">Garampani, Nambor and Doigrung</a>                                       | Assam               | IN382  | 26.42    | 93.73     | 15,000                  | Y                                |
| India   | <a href="#">Gibbon (Hollongapar) Sanctuary</a>                                       | Assam               | IN383  | 26.63    | 94.38     | 2,098                   | Y                                |
| India   | <a href="#">Habang</a>   | Assam               | IN384  | 25.80    | 92.25     | 1,000                   | Y                                |
| India   | <a href="#">Innerline (East) and Barak Reserve Forests</a>                           | Assam               |        | 24.18    | 92.50     | 62,300                  | Y                                |
| India   | <a href="#">Innerline (West) and Katakhal Reserve Forests</a>                        | Assam               |        | 24.18    | 92.50     | 75,000                  | Y                                |
| India   | <a href="#">Jamjing and Sengajan</a>   | Assam               | IN386  | 27.59    | 94.91     | 9,500                   | Y                                |
| India   | <a href="#">Jatinga</a>  | Assam               | IN387  | 25.10    | 92.98     | 1,000                   | Y                                |
| India   | <a href="#">Jengdia Beel and Satgaon</a>   | Assam               | IN388  | 26.27    | 91.77     | 500                     | Y                                |
| India   | <a href="#">Jhanjimukh - Kokilamukh</a>  | Assam               | IN389  | 26.86    | 94.32     | 2,500                   | Y                                |
| India   | <a href="#">Kaziranga National Park</a>  | Assam               | IN390  | 26.65    | 93.35     | 84,980                  | Y                                |
| India   | <a href="#">Krungring Reserve Forest, Khorongma &amp; Kopili-Umrangsu Reservoirs</a> | Assam               |        | 25.50    | 91.68     | 15,000                  | Y                                |
| India   | <a href="#">Kuarbari Dalani</a>  | Assam               | IN391  | 27.23    | 94.31     | 15                      | Y                                |
| India   | <a href="#">Laokhowa and Burhachapori Sanctuaries</a>                                | Assam               | IN393  | 26.55    | 92.77     | 11,417                  | Y                                |
| India   | <a href="#">Lumding Reserve Forest</a>   | Assam               |        | 25.80    | 93.02     | 22,300                  | Y                                |
| India   | <a href="#">Maguri and Motapung Beels</a>  | Assam               |        | 27.69    | 95.35     | 1,000                   | Y                                |
| India   | <a href="#">Majuli</a>   | Assam               | IN395  | 26.89    | 94.01     | 88,000                  | Y                                |
| India   | <a href="#">Manas National Park</a>  | Assam               | IN396  | 26.72    | 90.93     | 50,000                  | Y                                |
| India   | <a href="#">Manas Reserve Forest</a>   | Assam               |        | 26.75    | 90.48     | 30,000                  | Y                                |
| India   | <a href="#">Marat Longri Wildlife Sanctuary</a>                                      | Assam               |        | 25.79    | 93.02     | 45,100                  | Y                                |
| India   | <a href="#">Nameri National Park</a>   | Assam               | IN397  | 27.01    | 92.79     | 20,000                  | Y                                |
| India   | <a href="#">Orang National Park</a>  | Assam               | IN398  | 26.64    | 92.39     | 7,881                   | Y                                |
| India   | <a href="#">Pabho Reserve Forest</a>   | Assam               | IN399  | 27.05    | 94.00     | 4,900                   | Y                                |
| India   | <a href="#">Pabitora Wildlife Sanctuary</a>  | Assam               | IN400  | 26.16    | 92.18     | 3,883                   | Y                                |
| India   | <a href="#">Pani-Dihing Bird Sanctuary</a>   | Assam               | IN401  | 27.07    | 94.58     | 4,000                   | Y                                |
| India   | <a href="#">Ripu Reserve Forest</a>  | Assam               |        | 26.79    | 90.33     | 50,000                  | Y                                |
| India   | <a href="#">Sareswar Beel</a>  | Assam               |        | 26.16    | 89.92     | 200                     | Y                                |
| India   | <a href="#">Sibsagar Tanks</a>   | Assam               | IN403  | 26.98    | 94.63     | 150                     | Y                                |
| India   | <a href="#">Son Beel</a>   | Assam               | IN404  | 24.67    | 92.45     | 1,500                   | Y                                |
| India   | <a href="#">Sonai-Rupai Wildlife Sanctuary</a>                                       | Assam               | IN405  | 26.92    | 92.58     | 22,000                  | Y                                |
| India   | <a href="#">Subansiri</a>  | Assam               | IN406  | 27.56    | 94.29     | 18,000                  | Y                                |
| India   | <a href="#">Tamaranga - Dalani - Bhairab Complex</a>                                 | Assam               | IN407  | 26.25    | 90.50     | 4,600                   | Y                                |
| India   | <a href="#">Tirap - Burhidihing</a>  | Assam               | IN408  | 27.33    | 95.85     | 15,450                  | Y                                |
| India   | <a href="#">Upper Dihing (East) Complex</a>  | Assam               | IN409  | 27.40    | 95.63     | 19,200                  | Y                                |
| India   | <a href="#">Upper Dihing (West) Complex</a>  | Assam               | IN410  | 27.27    | 95.48     | 46,775                  | Y                                |
| India   | <a href="#">Urpod Beel</a>   | Assam               | IN411  | 26.08    | 90.60     | 1,000                   | Y                                |
| India   | <a href="#">Chauras of North Bihar</a>   | Bihar               | IN292  | 26.13    | 86.17     | 2,200                   | Y                                |
| India   | <a href="#">Danapur cantonment area</a>  | Bihar               | IN293  | 25.64    | 85.04     | 400                     | Y                                |
| India   | <a href="#">Gogabil Pakshi Vihar, Baghar Beel and Baldia Chaur</a>                   | Bihar               | IN294  | 25.40    | 87.75     | 200                     | Y                                |
| India   | <a href="#">Jehanabad Administrative Area</a>  | Bihar               |        | 25.20    | 84.99     | 3,000                   | Y                                |
| India   | <a href="#">Kachhudah Lake and Mahananda River Course</a>                            | Bihar               |        | 26.38    | 88.11     | 1,650                   | Y                                |
| India   | <a href="#">Kajra Dhar and Raniganj Protected Forest</a>                             | Bihar               |        | 26.10    | 87.27     | 270                     | Y                                |
| India   | <a href="#">Kawar (Kabar) Lake Wildlife Sanctuary</a>                                | Bihar               | IN295  | 25.62    | 86.13     | 6,311                   | Y                                |

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| India   | <a href="#">Kurseala River Course and Diyara Floodplain</a>          | Bihar                 | IN296  | 25.45    | 87.25     | 220,000                 | Y                                |
| India   | <a href="#">Kusheshwarsthan</a>                                      | Bihar                 | IN297  | 26.17    | 86.04     | 2,932                   | Y                                |
| India   | <a href="#">Mokama Taal (Barah) Wetlands</a>                         | Bihar                 | IN298  | 25.47    | 85.70     | 1,000                   | Y                                |
| India   | <a href="#">Nagi Dam and Nakti Dam Bird Sanctuary</a>                | Bihar                 | IN299  | 24.81    | 86.41     | 1,123                   | Y                                |
| India   | <a href="#">Reservoirs of Chota Nagpur Plateau</a>                   | Bihar                 | IN300  | 24.17    | 84.52     | 15,500                  | Y                                |
| India   | <a href="#">Valmiki Tiger Reserve and Saraiyaman Lake</a>            | Bihar                 | IN301  | 27.31    | 84.14     | 88,078                  | Y                                |
| India   | <a href="#">Vikramshila Gangetic Dolphin Sanctuary</a>               | Bihar                 | IN302  | 25.29    | 86.93     | 5,000                   | Y                                |
| India   | <a href="#">Achanakmar Wildlife Sanctuary and Maniyari Reservoir</a> | Chhattisgarh          |        | 22.48    | 81.75     | 55,755                  | Y                                |
| India   | <a href="#">Barnawapara Wildlife Sanctuary</a>                       | Chhattisgarh          | IN306  | 21.42    | 82.44     | 24,466                  | Y                                |
| India   | <a href="#">Gomarda Wildlife Sanctuary</a>                           | Chhattisgarh          | IN307  | 21.51    | 83.11     | 27,791                  | Y                                |
| India   | <a href="#">Guru Ghasidas Tiger Reserve</a>                          | Chhattisgarh          |        | 23.88    | 82.05     | 144,000                 | Y                                |
| India   | <a href="#">Indravati National Park and Tiger Reserve</a>            | Chhattisgarh          | IN308  | 19.11    | 80.49     | 125,837                 | Y                                |
| India   | <a href="#">Udanti and Sitanadi Wildlife Sanctuaries</a>             | Chhattisgarh          | IN309  | 20.17    | 82.08     | 80,096                  | Y                                |
| India   | <a href="#">Okhla Bird Sanctuary</a>                                 | Delhi   Uttar Pradesh | IN057  | 28.55    | 77.30     | 400                     | Y                                |
| India   | <a href="#">Bhagwan Mahavir Wildlife Sanctuary (including Molem)</a> | Goa                   | IN174  | 15.30    | 74.22     | 14,852                  | Y                                |
| India   | <a href="#">Bondla Wildlife Sanctuary</a>                            | Goa                   |        | 15.44    | 74.11     | 798                     | Y                                |
| India   | <a href="#">Carambolim Wetlands</a>                                  | Goa                   | IN175  | 15.38    | 73.83     | 72                      | Y                                |
| India   | <a href="#">Cotigao Wildlife Sanctuary</a>                           | Goa                   | IN176  | 14.98    | 74.20     | 8,565                   | Y                                |
| India   | <a href="#">Navelim wetland</a>                                      | Goa                   |        | 15.53    | 74.00     | 82                      | Y                                |
| India   | <a href="#">Netravali Wildlife Sanctuary</a>                         | Goa                   |        | 15.12    | 74.25     | 21,105                  | Y                                |
| India   | <a href="#">Banni Grassland and Chhari Dhand</a>                     | Gujarat               | IN082  | 23.70    | 69.40     | 384,700                 | Y                                |
| India   | <a href="#">Bhal area</a>  | Gujarat               | IN083  | 22.33    | 72.00     | 259,000                 | Y                                |
| India   | <a href="#">Bhashkarpara</a>   | Gujarat               |        | 22.93    | 72.05     | 200                     | Y                                |
| India   | <a href="#">Charakla Saltworks</a>                                   | Gujarat               | IN084  | 22.35    | 68.97     | 8,200                   | Y                                |
| India   | <a href="#">Flamingo City</a>  | Gujarat               | IN085  | 24.00    | 69.87     | 750,722                 | Y                                |
| India   | <a href="#">Gir National Park and Wildlife Sanctuary</a>             | Gujarat               | IN086  | 21.29    | 70.81     | 141,213                 | Y                                |
| India   | <a href="#">Gosabara (Mokarsar) wetland complex</a>                  | Gujarat               |        | 21.62    | 69.68     | 9,670                   | Y                                |
| India   | <a href="#">Kaj Lake (Pipalava Bandharo)</a>                         | Gujarat               | IN087  | 20.81    | 70.81     | 720                     | Y                                |
| India   | <a href="#">Khijadiya Lake and Bird Sanctuary</a>                    | Gujarat               | IN088  | 22.53    | 70.15     | 1,650                   | Y                                |
| India   | <a href="#">Marine National Park and Wildlife Sanctuary</a>          | Gujarat               | IN089  | 22.65    | 70.01     | 45,792                  | Y                                |
| India   | <a href="#">Naliya Grassland (Lala Bustard Wildlife Sanctuary)</a>   | Gujarat               | IN091  | 23.50    | 68.75     | 50,000                  | Y                                |
| India   | <a href="#">Nalsarovar Wildlife Sanctuary</a>                        | Gujarat               | IN090  | 22.78    | 72.03     | 12,082                  | Y                                |
| India   | <a href="#">Nikol-Samadhiyala-Malan Wetlands Complex</a>             | Gujarat               |        | 21.08    | 71.75     | 1,000                   | Y                                |
| India   | <a href="#">Rampura Grassland</a>                                    | Gujarat               | IN092  | 22.88    | 74.32     | 2,000                   | Y                                |
| India   | <a href="#">Salt pans of Bhavnagar</a>                               | Gujarat               | IN093  | 21.67    | 72.26     | 357,540                 | Y                                |
| India   | <a href="#">Thol Lake Wildlife Sanctuary</a>                         | Gujarat               | IN094  | 23.38    | 72.63     | 700                     | Y                                |
| India   | <a href="#">Velavadar National Park</a>                              | Gujarat               | IN095  | 21.89    | 72.00     | 3,408                   | Y                                |
| India   | <a href="#">Wetlands of Kheda</a>                                    | Gujarat               | IN096  | 22.68    | 72.82     | 8,700                   | Y                                |
| India   | <a href="#">Wild Ass Wildlife Sanctuary</a>                          | Gujarat               | IN097  | 23.71    | 71.02     | 495,371                 | Y                                |
| India   | <a href="#">Basai wetlands</a>                                       | Haryana               | IN052  | 28.48    | 76.98     | 100                     | Y                                |
| India   | <a href="#">Bhindawas Wildlife Sanctuary</a>                         | Haryana               | IN053  | 28.62    | 76.68     | 412                     | Y                                |
| India   | <a href="#">Dighal wetland</a>                                       | Haryana               |        | 28.75    | 76.62     | 81                      | Y                                |
| India   | <a href="#">Kalesar Wildlife Sanctuary</a>                           | Haryana               | IN054  | 30.37    | 77.54     | 10,088                  | Y                                |
| India   | <a href="#">Sultanpur National Park</a>                              | Haryana               | IN055  | 28.47    | 76.92     | 143                     | Y                                |
| India   | <a href="#">Wetlands of Yamuna River</a>                             | Haryana               | IN056  | 28.87    | 77.18     | 20,000                  | Y                                |

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| India   | <a href="#">Chail Wildlife Sanctuary</a>                                | Himachal Pradesh    | IN023  | 30.97    | 77.23     | 10,854                  | Y                                |
| India   | <a href="#">Dhauladhar Wildlife Sanctuary and McLeod Gunj</a>           | Himachal Pradesh    | IN026  | 32.25    | 76.32     | 94,398                  | Y                                |
| India   | <a href="#">Gobind Sagar and Naina Devi Wildlife Sanctuaries</a>        | Himachal Pradesh    | IN028  | 31.38    | 76.75     | 22,334                  | Y                                |
| India   | <a href="#">Inderkilla National Park</a>                                | Himachal Pradesh    |        | 32.24    | 77.29     | 9,400                   | Y                                |
| India   | <a href="#">Majathal Wildlife Sanctuary</a>                             | Himachal Pradesh    | IN036  | 31.27    | 76.98     | 4,000                   | Y                                |
| India   | <a href="#">Pong Dam Lake Wildlife Sanctuary</a>                        | Himachal Pradesh    | IN040  | 32.00    | 76.05     | 30,729                  | Y                                |
| India   | <a href="#">Sarah Valley, Lower Dharamshala</a>                         | Himachal Pradesh    | IN043  | 32.20    | 76.34     | 5,045                   | Y                                |
| India   | <a href="#">Simbalbara National Park</a>                                | Himachal Pradesh    |        | 30.45    | 77.49     | 2,788                   | Y                                |
| India   | <a href="#">Chushul marshes</a>   | Jammu & Kashmir     | IN001  | 33.58    | 78.75     | 1,500                   | Y                                |
| India   | <a href="#">Dachigam National Park</a>                                  | Jammu & Kashmir     | IN002  | 34.20    | 74.85     | 17,125                  | Y                                |
| India   | <a href="#">Dehra Gali (DKG) forest</a>                                 | Jammu & Kashmir     | IN003  | 33.57    | 74.40     | 1,800                   | Y                                |
| India   | <a href="#">Gharana Wetland Reserve</a>                                 | Jammu & Kashmir     | IN021  | 32.84    | 74.58     | 300                     | Y                                |
| India   | <a href="#">Gulmarg Wildlife Sanctuary</a>                              | Jammu & Kashmir     | IN004  | 34.27    | 74.22     | 13,925                  | Y                                |
| India   | <a href="#">Haigam Rakh (marshes)</a>                                   | Jammu & Kashmir     | IN005  | 34.28    | 74.60     | 1,400                   | Y                                |
| India   | <a href="#">Hanle Plains (Hanle River marshes)</a>                      | Jammu & Kashmir     | IN006  | 32.80    | 79.00     | 8,000                   | Y                                |
| India   | <a href="#">Hirapora Wildlife Sanctuary</a>                             | Jammu & Kashmir     | IN008  | 33.78    | 74.97     | 11,450                  | Y                                |
| India   | <a href="#">Hokarsar</a>  | Jammu & Kashmir     | IN009  | 34.00    | 74.93     | 1,375                   | Y                                |
| India   | <a href="#">Mirgund Jheel and Reserve</a>                               | Jammu & Kashmir     | IN013  | 33.78    | 74.77     | 300                     | Y                                |
| India   | <a href="#">Overa-Aru Wildlife Sanctuary</a>                            | Jammu & Kashmir     | IN014  | 34.19    | 75.31     | 51,100                  | Y                                |
| India   | <a href="#">Pangong Tso</a>   | Jammu & Kashmir     | IN015  | 33.83    | 78.58     | 65,000                  | Y                                |
| India   | <a href="#">Ramnagar Wildlife Sanctuary</a>                             | Jammu & Kashmir     | IN016  | 32.75    | 74.87     | 1,275                   | Y                                |
| India   | <a href="#">Shallabugh Conservation Reserve</a>                         | Jammu & Kashmir     | IN017  | 34.17    | 74.70     | 700                     | Y                                |
| India   | <a href="#">Tso Kar Basin</a>   | Jammu & Kashmir     | IN018  | 33.30    | 78.00     | 10,000                  | Y                                |
| India   | <a href="#">Tso Morari Lake and adjacent marshes</a>                    | Jammu & Kashmir     | IN019  | 32.88    | 78.32     | 20,000                  | Y                                |
| India   | <a href="#">Wular Lake and associated marshes</a>                       | Jammu & Kashmir     | IN020  | 34.43    | 74.70     | 2,400                   | Y                                |
| India   | <a href="#">Dalma Wildlife Sanctuary</a>                                | Jharkhand           |        | 22.87    | 86.27     | 19,322                  | Y                                |
| India   | <a href="#">Hazaribagh Wildlife Sanctuary</a>                           | Jharkhand           |        | 24.12    | 85.38     | 18,625                  | Y                                |
| India   | <a href="#">North Karanpura Valley</a>                                  | Jharkhand           |        | 23.80    | 85.13     | 123,000                 | Y                                |
| India   | <a href="#">Palamau Tiger Reserve</a>                                   | Jharkhand           | IN304  | 23.66    | 84.16     | 79,433                  | Y                                |
| India   | <a href="#">Tilaiya Dam</a>   | Jharkhand           |        | 24.32    | 85.52     | 5,921                   | Y                                |
| India   | <a href="#">Topchanchi Wildlife Sanctuary</a>                           | Jharkhand           |        | 23.88    | 86.17     | 1,281                   | Y                                |
| India   | <a href="#">Udhuwa Lake Bird Sanctuary</a>                              | Jharkhand           | IN305  | 25.00    | 87.82     | 565                     | Y                                |
| India   | <a href="#">Bandipur National Park</a>                                  | Karnataka           | IN180  | 11.83    | 76.37     | 87,420                  | Y                                |
| India   | <a href="#">Bannerghatta National Park</a>                              | Karnataka           | IN181  | 12.78    | 77.61     | 10,427                  | Y                                |
| India   | <a href="#">Bhadra Wildlife Sanctuary</a>                               | Karnataka           | IN182  | 13.56    | 75.60     | 49,246                  | Y                                |
| India   | <a href="#">Bhimgad Forests</a>   | Karnataka           | IN183  | 15.54    | 74.31     | 60,000                  | Y                                |
| India   | <a href="#">Biligiri Rangaswamy Temple Wildlife Sanctuary and Hills</a> | Karnataka           | IN184  | 11.83    | 77.09     | 53,952                  | Y                                |
| India   | <a href="#">Brahmagiri Wildlife Sanctuary</a>                           | Karnataka           | IN185  | 12.28    | 75.75     | 18,129                  | Y                                |
| India   | <a href="#">Cauvery Wildlife Sanctuary</a>                              | Karnataka           | IN186  | 12.31    | 77.45     | 52,696                  | Y                                |
| India   | <a href="#">Dandeli Wildlife Sanctuary</a>                              | Karnataka           | IN187  | 15.22    | 74.63     | 84,316                  | Y                                |
| India   | <a href="#">Gudavi Bird Sanctuary</a>                                   | Karnataka           | IN188  | 14.44    | 75.03     | 74                      | Y                                |
| India   | <a href="#">Hesaraghatta Lake</a>                                       | Karnataka           |        | 13.16    | 77.49     | 450                     | Y                                |
| India   | <a href="#">Hoskote Kere</a>  | Karnataka           |        | 13.08    | 77.77     | 400                     | Y                                |
| India   | <a href="#">Jogimatti Reserve Forest</a>                                | Karnataka           | IN190  | 14.22    | 76.22     | 10,718                  | Y                                |
| India   | <a href="#">Karanji Tank</a>  | Karnataka           | IN191  | 12.30    | 76.60     | 65                      | Y                                |
| India   | <a href="#">Kemmangundi and Bababudan Hills</a>                         | Karnataka           | IN192  | 13.48    | 75.74     | 10,292                  | Y                                |
| India   | <a href="#">Kokkare Bellur</a>  | Karnataka           | IN194  | 12.51    | 77.09     | 38                      | Y                                |

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|---------|---|------------------------------|--------|----------|-----------|-------------------------|----------------------------------|
| India   | <a href="#">Krishnarajasagar Reservoir</a>                    | Karnataka                    | IN195  | 12.40    | 76.43     | 12,500                  | Y                                |
| India   | <a href="#">Kudremukh National Park</a>                       | Karnataka                    | IN196  | 13.35    | 75.31     | 56,328                  | Y                                |
| India   | <a href="#">Kukkarahalli Tank</a>                             | Karnataka                    | IN197  | 12.31    | 76.63     | 58                      | Y                                |
| India   | <a href="#">Kunthur - Kallur Lakes</a>                        | Karnataka                    | IN198  | 12.13    | 77.03     | 460                     | Y                                |
| India   | <a href="#">Lingambudhi Lake and environs</a>                 | Karnataka                    | IN199  | 12.27    | 76.62     | 76                      | Y                                |
| India   | <a href="#">Magadi and Shetikere Wetlands</a>                 | Karnataka                    | IN200  | 15.23    | 75.52     | 192                     | Y                                |
| India   | <a href="#">Melkote Temple Wildlife Sanctuary</a>             | Karnataka                    | IN201  | 12.71    | 76.64     | 4,982                   | Y                                |
| India   | <a href="#">Nagarhole National Park</a>                       | Karnataka                    | IN202  | 12.02    | 76.15     | 64,339                  | Y                                |
| India   | <a href="#">Nandi Hills</a>                                   | Karnataka                    | IN203  | 13.36    | 77.68     | 890                     | Y                                |
| India   | <a href="#">Narasambudhi Lake</a>                             | Karnataka                    | IN204  | 12.08    | 76.72     | 809                     | Y                                |
| India   | <a href="#">Ramanagara Reserve Forest</a>                     | Karnataka                    | IN206  | 12.97    | 77.57     | 64,000                  | Y                                |
| India   | <a href="#">Ranebennur Blackbuck Sanctuary</a>                | Karnataka                    | IN207  | 14.63    | 75.65     | 11,900                  | Y                                |
| India   | <a href="#">Rangananthittu Bird Sanctuary</a>                 | Karnataka                    | IN208  | 12.38    | 76.65     | 68                      | Y                                |
| India   | <a href="#">Sharavathi Valley Wildlife Sanctuary</a>          | Karnataka                    | IN209  | 14.16    | 74.89     | 43,123                  | Y                                |
| India   | <a href="#">Shettihalli Wildlife Sanctuary</a>                | Karnataka                    | IN214  | 13.87    | 75.38     | 39,560                  | Y                                |
| India   | <a href="#">Someshwara Wildlife Sanctuary</a>                 | Karnataka                    | IN210  | 13.47    | 75.05     | 8,840                   | Y                                |
| India   | <a href="#">Sulekere Lake</a>                                 | Karnataka                    | IN211  | 12.67    | 76.83     | 500                     | Y                                |
| India   | <a href="#">Thippagondanahalli Reservoir</a>                  | Karnataka                    |        | 12.97    | 77.34     | 145                     | Y                                |
| India   | <a href="#">Amarambalam Reserved Forest - Nilambur</a>        | Kerala                       | IN232  | 11.23    | 76.18     | 26,572                  | Y                                |
| India   | <a href="#">Kattampally</a>                                   | Kerala                       | IN238  | 11.92    | 75.33     | 750                     | Y                                |
| India   | <a href="#">Kole Wetland</a>                                  | Kerala                       | IN239  | 10.19    | 76.18     | 13,632                  | Y                                |
| India   | <a href="#">Nelliampathy (Nemmara Division)</a>               | Kerala                       | IN243  | 10.57    | 76.71     | 20,005                  | Y                                |
| India   | <a href="#">Pampadum Shoia National Park</a>                  | Kerala                       |        | 10.14    | 77.27     | 132                     | Y                                |
| India   | <a href="#">Periyar Wildlife Sanctuary</a>                    | Kerala                       | IN248  | 9.45     | 77.25     | 77,700                  | Y                                |
| India   | <a href="#">Shendurney Wildlife Sanctuary</a>                 | Kerala                       | IN250  | 8.99     | 77.14     | 10,032                  | Y                                |
| India   | <a href="#">Vembanad Lake</a>                                 | Kerala                       | IN254  | 9.60     | 76.39     | 79,400                  | Y                                |
| India   | <a href="#">Wynaad Wildlife Sanctuary</a>                     | Kerala                       | IN255  | 11.91    | 76.08     | 34,444                  | Y                                |
| India   | <a href="#">Pitti Island</a>                                  | Lakshadweep                  | IN231  | 11.00    | 72.08     | 5                       | Y                                |
| India   | <a href="#">Bandhavgarh National Park</a>                     | Madhya Pradesh               | IN137  | 23.59    | 81.24     | 44,885                  | Y                                |
| India   | <a href="#">Barna Reservoir</a>                               | Madhya Pradesh               | IN138  | 23.08    | 78.12     | 7,690                   | Y                                |
| India   | <a href="#">Bhoj wetland</a>                                  | Madhya Pradesh               | IN139  | 23.23    | 77.36     | 3,072                   | Y                                |
| India   | <a href="#">Bori Wildlife Sanctuary</a>                       | Madhya Pradesh               | IN140  | 22.56    | 78.30     | 48,572                  | Y                                |
| India   | <a href="#">Dihaila Jheel and other wetlands</a>              | Madhya Pradesh               | IN141  | 25.70    | 78.17     | 371                     | Y                                |
| India   | <a href="#">Gandhi Sagar Wildlife Sanctuary and reservoir</a> | Madhya Pradesh               | IN142  | 24.60    | 75.68     | 36,862                  | Y                                |
| India   | <a href="#">Ghatigaon Bustard Sanctuary</a>                   | Madhya Pradesh               | IN143  | 26.03    | 77.86     | 51,100                  | Y                                |
| India   | <a href="#">Halali Reservoir</a>                              | Madhya Pradesh               | IN144  | 23.50    | 77.50     | 2,528                   | Y                                |
| India   | <a href="#">Kanha National Park</a>                           | Madhya Pradesh               | IN145  | 22.34    | 80.89     | 94,000                  | Y                                |
| India   | <a href="#">Madhav National Park</a>                          | Madhya Pradesh               | IN146  | 25.48    | 77.69     | 37,522                  | Y                                |
| India   | <a href="#">Pachmarhi Biosphere Reserve</a>                   | Madhya Pradesh               |        | 22.19    | 77.98     | 498,738                 | Y                                |
| India   | <a href="#">Panna National Park</a>                           | Madhya Pradesh               | IN147  | 24.43    | 80.08     | 54,267                  | Y                                |
| India   | <a href="#">Rangawa Reservoir</a>                             | Madhya Pradesh               | IN149  | 24.70    | 79.85     | 1,400                   | Y                                |
| India   | <a href="#">Ratapani Wildlife Sanctuary</a>                   | Madhya Pradesh               | IN150  | 23.12    | 77.88     | 82,384                  | Y                                |
| India   | <a href="#">Sailana Kharmor Sanctuary</a>                     | Madhya Pradesh               | IN151  | 23.41    | 74.97     | 1,296                   | Y                                |
| India   | <a href="#">Sardarpur Wildlife Sanctuary</a>                  | Madhya Pradesh               | IN152  | 22.60    | 75.21     | 34,812                  | Y                                |
| India   | <a href="#">Sirpur Lake</a>                                   | Madhya Pradesh               |        | 22.73    | 75.87     | 260                     | Y                                |
| India   | <a href="#">Yeshwantsagar Reservoir</a>                       | Madhya Pradesh               | IN153  | 22.82    | 75.68     | 14,000                  | Y                                |
| India   | <a href="#">Pench Tiger Reserve</a>                           | Madhya Pradesh   Maharashtra | IN148  | 21.85    | 79.46     | 75,789                  | Y                                |

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| India   | <a href="#">Amboli-Tilari Reserve Forest</a>                       | Maharashtra         |        | 15.85    | 74.07     | 51,802                  | Y                                |
| India   | <a href="#">Bhimashankar Wildlife Sanctuary</a>                    | Maharashtra         | IN154  | 19.24    | 73.59     | 13,078                  | Y                                |
| India   | <a href="#">Burnt Island (Bandra) Vengurla Rocks</a>               | Maharashtra         | IN155  | 15.89    | 73.47     | 6                       | Y                                |
| India   | <a href="#">Chandoli National Park</a>                             | Maharashtra         |        | 17.20    | 73.76     | 31,767                  | Y                                |
| India   | <a href="#">Gangapur Dam and grasslands</a>                        | Maharashtra         | IN156  | 20.05    | 73.68     | 4,000                   | Y                                |
| India   | <a href="#">Hatnur Dam</a>   | Maharashtra         |        | 21.09    | 76.03     | 13,502                  | Y                                |
| India   | <a href="#">INS - Shivaji and adjoining areas, Lonavla</a>         | Maharashtra         | IN157  | 18.77    | 73.41     | 1,000                   | Y                                |
| India   | <a href="#">Jaikwadi Wildlife Sanctuary</a>                        | Maharashtra         | IN158  | 19.50    | 75.29     | 34,105                  | Y                                |
| India   | <a href="#">Jawaharlal Nehru Bustard Sanctuary</a>                 | Maharashtra         | IN159  | 18.35    | 75.19     | 849,644                 | Y                                |
| India   | <a href="#">Karnala Bird Sanctuary</a>                             | Maharashtra         |        | 18.88    | 73.12     | 1,896                   | Y                                |
| India   | <a href="#">Koyna Wildlife Sanctuary</a>                           | Maharashtra         | IN160  | 17.64    | 73.71     | 42,652                  | Y                                |
| India   | <a href="#">Mahendri Reserve Forest</a>                            | Maharashtra         |        | 21.57    | 78.10     | 13,502                  | Y                                |
| India   | <a href="#">Mahul - Sewree Creek</a>                               | Maharashtra         | IN161  | 19.02    | 72.88     | 1,000                   | Y                                |
| India   | <a href="#">Melghat Tiger Reserve</a>                              | Maharashtra         | IN162  | 21.47    | 77.00     | 115,003                 | Y                                |
| India   | <a href="#">Nagzira Wildlife Sanctuary</a>                         | Maharashtra         | IN163  | 21.31    | 80.07     | 15,281                  | Y                                |
| India   | <a href="#">Nandur Madhmeshwar Wildlife Sanctuary</a>              | Maharashtra         | IN164  | 19.98    | 74.03     | 10,012                  | Y                                |
| India   | <a href="#">Navegaon National Park</a>                             | Maharashtra         | IN165  | 20.95    | 80.18     | 13,388                  | Y                                |
| India   | <a href="#">Ozar and adjoining grassland</a>                       | Maharashtra         | IN166  | 20.09    | 73.89     | 20,000                  | Y                                |
| India   | <a href="#">Pench Tiger Reserve</a>                                | Maharashtra         |        | 21.49    | 79.07     | 25,726                  | Y                                |
| India   | <a href="#">Phansad Wildlife Sanctuary</a>                         | Maharashtra         |        | 18.43    | 72.95     | 6,979                   | Y                                |
| India   | <a href="#">Radhanagari Wildlife Sanctuary</a>                     | Maharashtra         | IN167  | 16.38    | 74.00     | 35,116                  | Y                                |
| India   | <a href="#">Sanjay Gandhi National Park</a>                        | Maharashtra         | IN168  | 19.31    | 72.96     | 10,308                  | Y                                |
| India   | <a href="#">Tadoba National Park and Andhari Tiger Reserve</a>     | Maharashtra         | IN169  | 20.39    | 79.43     | 11,655                  | Y                                |
| India   | <a href="#">Taloda Reserve Forest</a>                              | Maharashtra         | IN170  | 21.63    | 74.20     | 33,400                  | Y                                |
| India   | <a href="#">Tansa Wildlife Sanctuary</a>                           | Maharashtra         | IN171  | 19.52    | 73.26     | 30,481                  | Y                                |
| India   | <a href="#">Thane Creek</a>  | Maharashtra         | IN172  | 19.13    | 72.96     | 12,200                  | Y                                |
| India   | <a href="#">Toranmal Reserve Forest</a>                            | Maharashtra         | IN173  | 21.75    | 74.50     | 26,000                  | Y                                |
| India   | <a href="#">Ujjani Reservoir</a>                                   | Maharashtra         |        | 18.07    | 75.12     | 35,700                  | Y                                |
| India   | <a href="#">Dailong Rongku Forest</a>                              | Manipur             |        | 25.02    | 93.52     | 2,000                   | Y                                |
| India   | <a href="#">Dzuku Valley</a>                                       | Manipur             | IN432  | 25.52    | 93.80     | 2,500                   | Y                                |
| India   | <a href="#">Keibul Lamjao National Park</a>                        | Manipur             |        | 24.58    | 93.83     | 4,000                   | Y                                |
| India   | <a href="#">Loktak Lake</a>  | Manipur             |        | 24.58    | 93.83     | 20,000                  | Y                                |
| India   | <a href="#">Balpakram Complex</a>                                  | Meghalaya           | IN412  | 25.25    | 90.89     | 26,947                  | Y                                |
| India   | <a href="#">Cherapunjee: cliffs, gorges and sacred groves</a>      | Meghalaya           | IN420  | 25.28    | 91.72     | 1,000                   | Y                                |
| India   | <a href="#">Nokrek National Park</a>                               | Meghalaya           | IN414  | 25.46    | 90.33     | 4,748                   | Y                                |
| India   | <a href="#">Nongkhyllem and adjacent areas</a>                     | Meghalaya           | IN415  | 25.86    | 91.84     | 14,891                  | Y                                |
| India   | <a href="#">Norpuh Reserve Forests</a>                             | Meghalaya           | IN416  | 25.15    | 92.46     | 16,110                  | Y                                |
| India   | <a href="#">Riat Khwan - Umiam Lake</a>                            | Meghalaya           | IN417  | 25.62    | 91.82     | 1,500                   | Y                                |
| India   | <a href="#">Upper Shillong</a>                                     | Meghalaya           | IN419  | 25.53    | 91.83     | 1,296                   | Y                                |
| India   | <a href="#">Blue Mountain (Phawngpui) National Park</a>            | Mizoram             | IN441  | 22.65    | 93.03     | 5,000                   | Y                                |
| India   | <a href="#">Dampa Tiger Reserve</a>                                | Mizoram             | IN442  | 23.65    | 92.42     | 50,000                  | Y                                |
| India   | <a href="#">Lengteng Wildlife Sanctuary</a>                        | Mizoram             | IN443  | 23.83    | 93.22     | 12,000                  | Y                                |
| India   | <a href="#">Murlen National Park</a>                               | Mizoram             | IN444  | 23.69    | 93.33     | 20,000                  | Y                                |
| India   | <a href="#">Doyang Reservoir and Pangti Forest</a>                 | Nagaland            |        | 26.22    | 94.29     | 8,440                   | Y                                |
| India   | <a href="#">Khonoma Nature Conservation and Tragopan Sanctuary</a> | Nagaland            | IN423  | 25.66    | 94.03     | 2,500                   | Y                                |



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| India   | <a href="#">Mount Ziphu</a>   | Nagaland                 | IN426  | 25.65    | 94.75     | 5,000                   | Y                                |
| India   | <a href="#">Puliebadze-Dzukou-Zapfu</a>                                   | Nagaland                 | IN428  | 25.88    | 94.01     | 10,923                  | Y                                |
| India   | <a href="#">Bhitarkanika Wildlife Sanctuary and National Park</a>         | Orissa                   | IN310  | 20.75    | 87.00     | 81,700                  | Y                                |
| India   | <a href="#">Chandaka - Dampara Wildlife Sanctuary</a>                     | Orissa                   | IN311  | 20.35    | 85.67     | 17,579                  | Y                                |
| India   | <a href="#">Heerakund Reservoir and Debrigarh Wildlife Sanctuary</a>      | Orissa                   |        | 21.67    | 83.78     | 74,600                  | Y                                |
| India   | <a href="#">Mangal Jodi</a>   | Orissa                   | IN313  | 19.87    | 85.43     | 7,038                   | Y                                |
| India   | <a href="#">Nalabana Bird Sanctuary (Chilika Lake)</a>                    | Orissa                   | IN312  | 19.71    | 85.48     | 1,553                   | Y                                |
| India   | <a href="#">Satkosia Gorge Wildlife Sanctuary</a>                         | Orissa                   | IN314  | 20.55    | 84.95     | 79,552                  | Y                                |
| India   | <a href="#">Simlipal National Park</a>                                    | Orissa                   | IN315  | 21.93    | 86.00     | 84,570                  | Y                                |
| India   | <a href="#">Sunabeda Wildlife Sanctuary</a>                               | Orissa                   | IN316  | 20.45    | 82.54     | 50,000                  | Y                                |
| India   | <a href="#">Bahour Lake</a>   | Pondicherry              | IN290  | 12.04    | 79.86     | 618                     | Y                                |
| India   | <a href="#">Ousteri Lake</a>  | Pondicherry   Tamil Nadu | IN291  | 11.95    | 79.74     | 800                     | Y                                |
| India   | <a href="#">Harike Lake Bird Sanctuary</a>                                | Punjab                   | IN049  | 31.15    | 74.98     | 8,600                   | Y                                |
| India   | <a href="#">Kanji Lake</a>  | Punjab                   | IN050  | 31.57    | 75.41     | 490                     | Y                                |
| India   | <a href="#">Keshopur Miani (or Chhamb) Community Reserve</a>              | Punjab                   |        | 32.09    | 75.40     | 340                     | Y                                |
| India   | <a href="#">Ropar Lake</a>  | Punjab                   | IN051  | 30.94    | 76.45     | 1,365                   | Y                                |
| India   | <a href="#">Alniya Dam</a>  | Rajasthan                | IN058  | 25.00    | 75.87     | 20,143                  | Y                                |
| India   | <a href="#">Badopal Lake</a>  | Rajasthan                |        | 29.37    | 74.09     | 2,500                   | Y                                |
| India   | <a href="#">Bagdarrah Closed Area</a>                                     | Rajasthan                | IN081  | 24.47    | 73.87     | 342                     | Y                                |
| India   | <a href="#">Bardha Dam</a>  | Rajasthan                | IN059  | 25.24    | 75.69     | 300                     | Y                                |
| India   | <a href="#">Desert National Park</a>                                      | Rajasthan                | IN060  | 26.58    | 70.75     | 316,200                 | Y                                |
| India   | <a href="#">Diyatra Closed Area</a>                                       | Rajasthan                | IN061  | 27.67    | 72.92     | 5,019                   | Y                                |
| India   | <a href="#">Gawana Arain, Mangaliyawas, Ramsar, Goyal, Ratakot, Badar</a> | Rajasthan                | IN062  | 26.43    | 74.62     | 3,269                   | Y                                |
| India   | <a href="#">Jaisamand Lake and Wildlife Sanctuary</a>                     | Rajasthan                | IN063  | 24.27    | 73.88     | 7,300                   | Y                                |
| India   | <a href="#">Jawahar Sagar Sanctuary</a>                                   | Rajasthan                |        | 25.02    | 75.64     | 15,341                  | Y                                |
| India   | <a href="#">Jawai Dam Leopard Conservation Reserve</a>                    | Rajasthan                |        | 25.15    | 73.08     | 20                      | Y                                |
| India   | <a href="#">Jor Beer</a>  | Rajasthan                |        | 27.97    | 73.38     | 2,250                   | Y                                |
| India   | <a href="#">Keoladeo National Park and Ajan Bande</a>                     | Rajasthan                | IN064  | 27.16    | 77.52     | 2,873                   | Y                                |
| India   | <a href="#">Kharda Dam</a>  | Rajasthan                |        | 25.85    | 73.25     | 1,700                   | Y                                |
| India   | <a href="#">Khichan</a>   | Rajasthan                | IN065  | 27.12    | 72.40     | 2,200                   | Y                                |
| India   | <a href="#">Kumbalgarh Wildlife Sanctuary</a>                             | Rajasthan                | IN066  | 24.56    | 73.90     | 57,825                  | Y                                |
| India   | <a href="#">Menar Lake</a>  | Rajasthan                |        | 24.59    | 74.11     | 6,000                   | Y                                |
| India   | <a href="#">Mount Abu Wildlife Sanctuary</a>                              | Rajasthan                | IN067  | 24.68    | 72.78     | 28,884                  | Y                                |
| India   | <a href="#">National Chambal Wildlife Sanctuary (Bundi/Kota)</a>          | Rajasthan                | IN068  | 26.67    | 78.08     | 5,200                   | Y                                |
| India   | <a href="#">Phulwari Wildlife Sanctuary</a>                               | Rajasthan                | IN069  | 24.37    | 73.17     | 51,114                  | Y                                |
| India   | <a href="#">Ramsagar Lake</a>   | Rajasthan                | IN070  | 25.60    | 75.05     | 400                     | Y                                |
| India   | <a href="#">Ranthambore National Park and Tiger Reserve</a>               | Rajasthan                | IN071  | 26.04    | 76.48     | 39,200                  | Y                                |
| India   | <a href="#">Sajjargarh Wildlife Sanctuary</a>                             | Rajasthan                | IN072  | 24.63    | 73.65     | 519                     | Y                                |
| India   | <a href="#">Sambhar Lake</a>  | Rajasthan                | IN073  | 26.95    | 75.07     | 19,000                  | Y                                |
| India   | <a href="#">Sardar Samand Lake</a>  | Rajasthan                |        | 25.98    | 73.38     | 500                     | Y                                |
| India   | <a href="#">Sareri Bandh</a>  | Rajasthan                | IN074  | 25.71    | 75.64     | 300                     | Y                                |
| India   | <a href="#">Sariska Tiger Reserve</a>                                     | Rajasthan                | IN075  | 27.43    | 76.46     | 86,600                  | Y                                |
| India   | <a href="#">Sei Dam reservoir and surrounding environs</a>                | Rajasthan                | IN076  | 24.72    | 73.20     | 300                     | Y                                |

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| India   | <a href="#">Sitamata Wildlife Sanctuary</a>   | Rajasthan           | IN077  | 23.92    | 74.42     | 42,294                  | Y                                |
| India   | <a href="#">Sonkhaliya Closed Area</a>  | Rajasthan           | IN078  | 26.30    | 74.77     | 17,134                  | Y                                |
| India   | <a href="#">Tal Chhappar Wildlife Sanctuary</a>   | Rajasthan           | IN079  | 27.87    | 74.51     | 790                     | Y                                |
| India   | <a href="#">Udaipur Lakes Complex</a>   | Rajasthan           | IN080  | 24.58    | 73.82     | 3,030                   | Y                                |
| India   | <a href="#">Barsey Rhododendron Sanctuary</a>   | Sikkim              | IN327  | 27.19    | 88.12     | 10,400                  | Y                                |
| India   | <a href="#">Dombang Valley - Lachung - Lema - Tsungthang</a>  | Sikkim              | IN328  | 27.63    | 88.75     | 60,000                  | Y                                |
| India   | <a href="#">Fambong Lho Wildlife Sanctuary - Himalayan Zoological Park - Ratey Chu Reserve Forest</a> | Sikkim              | IN329  | 27.31    | 88.53     | 5,381                   | Y                                |
| India   | <a href="#">Khangchendzonga National Park and Biosphere Reserve</a>                                   | Sikkim              | IN330  | 27.63    | 88.20     | 84,950                  | Y                                |
| India   | <a href="#">Kyongnosla Alpine Sanctuary - Tsomgo - Tamze - Chola Complex</a>                          | Sikkim              | IN331  | 27.38    | 88.74     | 3,100                   | Y                                |
| India   | <a href="#">Lhonak Valley</a>   | Sikkim              | IN332  | 27.92    | 88.42     | 50,000                  | Y                                |
| India   | <a href="#">Lowland forests of South Sikkim (Melli-Baguwa-Kitam, Jorethang-Namchi, Sombarey)</a>      | Sikkim              | IN333  | 27.15    | 88.33     | 2,000                   | Y                                |
| India   | <a href="#">Maenam Wildlife Sanctuary - Tendong Reserve Forest</a>                                    | Sikkim              | IN334  | 27.31    | 88.39     | 3,534                   | Y                                |
| India   | <a href="#">Pangolakha Wildlife Sanctuary - Zuluk - Bedang Tso - Natula Complex</a>                   | Sikkim              | IN335  | 27.34    | 88.78     | 12,400                  | Y                                |
| India   | <a href="#">Tso Lhamo Plateau - Lashar - Sebu La - Yumesamdong Complex</a>                            | Sikkim              | IN336  | 28.03    | 88.75     | 50,000                  | Y                                |
| India   | <a href="#">Yumthang - Shingba Rhododendron Wildlife Sanctuary</a>                                    | Sikkim              | IN337  | 27.84    | 88.74     | 4,300                   | Y                                |
| India   | <a href="#">Avalanche (Nilgiri)</a>   | Tamil Nadu          | IN256  | 11.30    | 76.59     | 7,846                   | Y                                |
| India   | <a href="#">Big Tank (Peria Kanmai) and Sakkarakotai Kanmai</a>                                       | Tamil Nadu          | IN258  | 9.37     | 78.87     | 2,541                   | Y                                |
| India   | <a href="#">Chitragudi and Kanjirankulam Bird Sanctuary</a>   | Tamil Nadu          | IN261  | 9.33     | 78.48     | 152                     | Y                                |
| India   | <a href="#">Grass Hills</a>   | Tamil Nadu          | IN263  | 10.50    | 76.83     | 65,700                  | Y                                |
| India   | <a href="#">Gulf of Mannar Marine National Park</a>   | Tamil Nadu          | IN264  | 8.67     | 78.17     | 623                     | Y                                |
| India   | <a href="#">Kaliveli Tank and Yeduyanthittu estuary</a>   | Tamil Nadu          | IN267  | 12.17    | 79.83     | 7,500                   | Y                                |
| India   | <a href="#">Karavetti Wildlife Sanctuary</a>  | Tamil Nadu          | IN268  | 10.97    | 79.19     | 454                     | Y                                |
| India   | <a href="#">Kullur Sandai Reservoir</a>   | Tamil Nadu          | IN271  | 9.56     | 78.01     | 1,362                   | Y                                |
| India   | <a href="#">Kunthangulam Bird Sanctuary</a>   | Tamil Nadu          | IN269  | 8.47     | 77.73     | 129                     | Y                                |
| India   | <a href="#">Megamalai Mountains</a>   | Tamil Nadu          |        | 9.68     | 77.33     | 49,000                  | Y                                |
| India   | <a href="#">Melagiris</a>   | Tamil Nadu          |        | 12.31    | 77.75     | 115,310                 | Y                                |
| India   | <a href="#">Mudumalai National Park</a>   | Tamil Nadu          | IN272  | 11.65    | 76.49     | 32,100                  | Y                                |
| India   | <a href="#">Naduvattam</a>  | Tamil Nadu          | IN274  | 11.32    | 76.57     | 3,538                   | Y                                |
| India   | <a href="#">Odiyur Lagoon</a>   | Tamil Nadu          |        | 12.17    | 80.05     | 1,000                   | Y                                |
| India   | <a href="#">Pichavaram mangroves</a>  | Tamil Nadu          |        | 11.42    | 79.78     | 1,474                   | Y                                |
| India   | <a href="#">Point Calimere Wildlife Sanctuary</a>   | Tamil Nadu          | IN275  | 10.30    | 79.85     | 37,733                  | Y                                |
| India   | <a href="#">Poomparai and Kukkal</a>  | Tamil Nadu          | IN276  | 10.37    | 77.35     | 6,450                   | Y                                |
| India   | <a href="#">Srivilliputhur Wildlife Sanctuary</a>   | Tamil Nadu          | IN278  | 9.52     | 77.42     | 48,520                  | Y                                |
| India   | <a href="#">Suchindram Therur, Vembanoor</a>  | Tamil Nadu          | IN279  | 8.08     | 77.50     | 430                     | Y                                |
| India   | <a href="#">Tirunelveli Reserve Forest</a>  | Tamil Nadu          | IN281  | 8.58     | 77.30     | 22,000                  | Y                                |
| India   | <a href="#">Tiruppadaimarudur Conservation Reserve</a>  | Tamil Nadu          |        | 8.73     | 77.50     | 3                       | Y                                |
| India   | <a href="#">Vaduvloor Lake Bird Sanctuary</a>   | Tamil Nadu          | IN283  | 10.71    | 79.31     | 128                     | Y                                |
| India   | <a href="#">Vandivoorand Kunnathur Tanks (Madurai)</a>  | Tamil Nadu          | IN282  | 9.92     | 78.15     | 278                     | Y                                |
| India   | <a href="#">Vedanthangal and Karikili Bird Sanctuary</a>  | Tamil Nadu          | IN284  | 12.53    | 79.87     | 80                      | Y                                |
| India   | <a href="#">Veeranam Lake</a>   | Tamil Nadu          | IN285  | 11.25    | 79.54     | 3,885                   | Y                                |

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| India   | <a href="#">Vettangudi Bird Sanctuary</a>                             | Tamil Nadu          | IN286  | 10.10    | 78.54     | 38                      | Y                                |
| India   | <a href="#">Watrap Periakulam and Virakasamuth-rakulam</a>            | Tamil Nadu          | IN287  | 9.53     | 77.52     | 251                     | Y                                |
| India   | <a href="#">Wellington Reservoir</a>                                  | Tamil Nadu          | IN288  | 11.42    | 79.00     | 650                     | Y                                |
| India   | <a href="#">Gumti Wildlife Sanctuary</a>                              | Tripura             | IN439  | 23.65    | 91.78     | 38,954                  | Y                                |
| India   | <a href="#">Rudrasagar Lake</a>                                       | Tripura             |        | 23.48    | 90.02     | 240                     | Y                                |
| India   | <a href="#">Amangarh Reserve Forest</a>                               | Uttar Pradesh       |        | 29.40    | 78.85     | 9,542                   | Y                                |
| India   | <a href="#">Bakhira Wildlife Sanctuary</a>                            | Uttar Pradesh       | IN112  | 26.58    | 83.00     | 2,894                   | Y                                |
| India   | <a href="#">Dhanauri wetland</a>                                      | Uttar Pradesh       |        | 28.34    | 77.61     | 110                     | Y                                |
| India   | <a href="#">Dudhwa National Park</a>                                  | Uttar Pradesh       | IN113  | 28.49    | 80.70     | 49,000                  | Y                                |
| India   | <a href="#">Hastinapur Wildlife Sanctuary</a>                         | Uttar Pradesh       | IN114  | 29.54    | 78.15     | 207,300                 | Y                                |
| India   | <a href="#">Katerniaghat Wildlife Sanctuary and Girijapur Barrage</a> | Uttar Pradesh       | IN115  | 28.24    | 81.19     | 40,069                  | Y                                |
| India   | <a href="#">Kishanpur Wildlife Sanctuary</a>                          | Uttar Pradesh       | IN116  | 28.40    | 80.36     | 22,700                  | Y                                |
| India   | <a href="#">Kudaiyya marshland</a>                                    | Uttar Pradesh       | IN117  | 27.00    | 78.98     | 300                     | Y                                |
| India   | <a href="#">Kurra Jheel</a>   | Uttar Pradesh       | IN118  | 27.02    | 79.10     | 200                     | Y                                |
| India   | <a href="#">Lagga - Bagga Reserve Forest</a>                          | Uttar Pradesh       | IN119  | 28.62    | 79.80     | 1,160                   | Y                                |
| India   | <a href="#">Lakh-Bahosi Bird Sanctuary</a>                            | Uttar Pradesh       | IN120  | 27.50    | 79.50     | 8,024                   | Y                                |
| India   | <a href="#">Mahaveer Swami Wildlife Sanctuary (Lalitpur)</a>          | Uttar Pradesh       |        | 24.68    | 78.58     | 75,478                  | Y                                |
| India   | <a href="#">Narora</a>  | Uttar Pradesh       | IN121  | 28.21    | 78.55     | 12,700                  | Y                                |
| India   | <a href="#">National Chambal Wildlife Sanctuary (Agra/Etawah)</a>     | Uttar Pradesh       | IN122  | 26.71    | 78.71     | 63,500                  | Y                                |
| India   | <a href="#">Nawabganj Bird Sanctuary</a>                              | Uttar Pradesh       | IN123  | 26.58    | 80.67     | 225                     | Y                                |
| India   | <a href="#">Parvati Aranga Wildlife Sanctuary</a>                     | Uttar Pradesh       | IN124  | 27.42    | 82.33     | 1,084                   | Y                                |
| India   | <a href="#">Patna Bird Sanctuary</a>                                  | Uttar Pradesh       | IN125  | 27.58    | 78.75     | 109                     | Y                                |
| India   | <a href="#">Pilibhit Tiger Reserve</a>                                | Uttar Pradesh       |        | 28.82    | 80.08     | 71,288                  | Y                                |
| India   | <a href="#">Pyagpur and Sitadwar Jheel</a>                            | Uttar Pradesh       | IN126  | 27.52    | 81.90     | 2,950                   | Y                                |
| India   | <a href="#">Saman Bird Sanctuary</a>                                  | Uttar Pradesh       | IN127  | 27.08    | 79.00     | 525                     | Y                                |
| India   | <a href="#">Samaspur Bird Sanctuary</a>                               | Uttar Pradesh       | IN128  | 26.00    | 81.42     | 799                     | Y                                |
| India   | <a href="#">Sandi Wildlife Sanctuary</a>                              | Uttar Pradesh       | IN129  | 27.25    | 79.92     | 309                     | Y                                |
| India   | <a href="#">Sarsai Nawar Lake</a>                                     | Uttar Pradesh       | IN130  | 26.97    | 79.25     | 690                     | Y                                |
| India   | <a href="#">Sauj Lake</a>   | Uttar Pradesh       | IN131  | 27.02    | 79.18     | 400                     | Y                                |
| India   | <a href="#">Sheikha Jheel</a>   | Uttar Pradesh       | IN132  | 27.82    | 78.17     | 250                     | Y                                |
| India   | <a href="#">Sohagibarwa Wildlife Sanctuary</a>                        | Uttar Pradesh       | IN133  | 27.29    | 83.73     | 42,820                  | Y                                |
| India   | <a href="#">Sur Sarovar Bird Sanctuary</a>                            | Uttar Pradesh       | IN135  | 27.00    | 77.75     | 403                     | Y                                |
| India   | <a href="#">Surajpur wetland</a>                                      | Uttar Pradesh       |        | 28.52    | 77.50     | 308                     | Y                                |
| India   | <a href="#">Surha Tal Wildlife Sanctuary</a>                          | Uttar Pradesh       | IN136  | 25.75    | 84.33     | 3,432                   | Y                                |
| India   | <a href="#">Vijay Sagar Wildlife Sanctuary</a>                        | Uttar Pradesh       |        | 25.29    | 79.91     | 262                     | Y                                |
| India   | <a href="#">Asan Barrage</a>  | Uttaranchal         | IN098  | 30.43    | 77.70     | 250                     | Y                                |
| India   | <a href="#">Corbett Tiger Reserve</a>                                 | Uttaranchal         | IN102  | 29.59    | 78.92     | 131,854                 | Y                                |
| India   | <a href="#">Jhilmil Jheel Conservation Reserve</a>                    | Uttaranchal         |        | 29.68    | 78.12     | 3,800                   | Y                                |
| India   | <a href="#">Naina Devi Himalayan Bird Conservation Reserve</a>        | Uttaranchal         |        | 29.45    | 79.37     | 11,192                  | Y                                |
| India   | <a href="#">Nandhour Wildlife Sanctuary</a>                           | Uttaranchal         |        | 29.15    | 78.77     | 27,000                  | Y                                |
| India   | <a href="#">Pawalgarh Conservation Reserve</a>                        | Uttaranchal         |        | 29.70    | 79.35     | 5,825                   | Y                                |
| India   | <a href="#">Rajaji National Park</a>                                  | Uttaranchal         | IN107  | 30.06    | 78.06     | 82,000                  | Y                                |
| India   | <a href="#">Sonanadi Wildlife Sanctuary</a>                           | Uttaranchal         | IN108  | 29.63    | 78.68     | 30,118                  | Y                                |
| India   | <a href="#">Buxa Tiger Reserve (National Park)</a>                    | West Bengal         | IN317  | 26.68    | 89.74     | 76,087                  | Y                                |
| India   | <a href="#">Farakka Barrage and adjoining area</a>                    | West Bengal         | IN318  | 25.10    | 87.81     | 2,000                   | Y                                |

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| India                     | <a href="#">Gorumara National Park</a>                               | West Bengal                | IN319  | 26.82    | 88.86     | 7,995                   | Y                                |
| India                     | <a href="#">Jaldapara Wildlife Sanctuary</a>                         | West Bengal                | IN320  | 26.52    | 89.47     | 21,651                  | Y                                |
| India                     | <a href="#">Kulik (Raiganj) Bird Sanctuary</a>                       | West Bengal                | IN321  | 25.97    | 87.88     | 130                     | Y                                |
| India                     | <a href="#">Lava - Neora Valley National Park</a>                    | West Bengal                | IN322  | 26.93    | 88.75     | 8,800                   | Y                                |
| India                     | <a href="#">Mahananda Wildlife Sanctuary</a>                         | West Bengal                | IN323  | 26.86    | 88.41     | 12,772                  | Y                                |
| India                     | <a href="#">Naya Bandh Wetland Complex</a>                           | West Bengal                | IN324  | 24.92    | 88.33     | 400                     | Y                                |
| India                     | <a href="#">Singhalila National Park</a>                             | West Bengal                | IN325  | 27.14    | 88.04     | 7,860                   | Y                                |
| India                     | <a href="#">Sundarbans Biosphere Reserve (National Park)</a>         | West Bengal                | IN326  | 22.18    | 88.97     | 133,010                 | Y                                |
| India                     | <a href="#">Beliyapani Island</a>                                    |                            |        | 12.35    | 71.91     | 5,000                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Dasht-e-Moghan</a>                                       | Ardebil                    | IR004  | 39.58    | 48.00     | 3,000                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Lisar Protected Area</a>                                 | Ardebil   Gilan            | IR015  | 37.98    | 48.25     | 31,044                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Bushire Bay</a>  | Bushehr                    | IR091  | 29.00    | 50.88     | 27,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Hilleh Protected Area</a>                                | Bushehr                    | IR090  | 29.17    | 50.83     | 41,642                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Kharku Wildlife Refuge</a>                               | Bushehr                    | IR089  | 29.32    | 50.35     | 312                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Monde Protected Area</a>                                 | Bushehr                    | IR092  | 28.17    | 51.30     | 53,705                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Nakhilu, Morghu and Ummal Karam islands</a>              | Bushehr                    | IR093  | 27.83    | 51.50     | 2,045                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Cheghakor marsh</a>                                      | Chahar Mahal and Bakhtiari | IR066  | 31.83    | 50.83     | 1,600                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Gandoman marsh</a>                                       | Chahar Mahal and Bakhtiari | IR067  | 31.83    | 51.10     | 1,500                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Arasbaran Protected Area</a>                             | East Azarbaijan            | IR003  | 38.75    | 46.83     | 73,460                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Gori Gol</a>   | East Azarbaijan            | IR005  | 37.92    | 46.70     | 120                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Gavekhoni lake, and marshes of the lower Zaindeh Rud</a> | Esfahan                    | IR068  | 32.33    | 52.78     | 63,300                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Mooteh Protected Area</a>                                | Esfahan                    | IR056  | 33.67    | 50.83     | 200,000                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Arjan Protected Area</a>                                 | Fars                       | IR074  | 29.57    | 51.88     | 59,784                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Bahram-e-Gour Protected Area</a>                         | Fars                       | IR080  | 29.00    | 55.00     | 408,000                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Bamou National Park</a>                                  | Fars                       | IR075  | 29.67    | 52.67     | 48,678                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Dorudsan dam</a>   | Fars                       | IR071  | 30.25    | 52.33     | 4,500                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Haft Barm</a>  | Fars                       | IR073  | 29.67    | 52.17     | 70                      | Y                                |
| Iran, Islamic Republic of | <a href="#">Harm lake</a>  | Fars                       | IR078  | 28.17    | 53.50     | 9,600                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Hormod Protected Area</a>                                | Fars                       | IR079  | 27.67    | 54.83     | 196,191                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Kaftar lake</a>  | Fars                       | IR072  | 30.57    | 52.78     | 4,700                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Lake Bakhtegan, Lake Tashk and Kamjan marshes</a>        | Fars                       | IR077  | 29.67    | 53.50     | 338,000                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Lake Maharlu</a>   | Fars                       | IR076  | 29.50    | 52.80     | 21,600                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Abbas-abad dam</a>                                       | Gilan                      | IR014  | 38.38    | 48.83     | 45                      | Y                                |

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| Iran, Islamic Republic of | <a href="#">Amirkelayeh lake</a>                                | Gilan                         | IR018  | 37.30    | 50.17     | 1,230                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Anzali Mordab complex</a>                           | Gilan                         | IR016  | 37.42    | 49.47     | 15,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Bandar Kiashar lagoon and mouth of Sefid Rud</a>    | Gilan                         | IR017  | 37.33    | 49.92     | 500                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Lavandavi Wildlife Refuge</a>                       | Gilan                         | IR013  | 38.33    | 48.83     | 949                     | Y                                |
| Iran, Islamic Republic of | <a href="#">South Caspian shore, from Astara to Gomishan</a>    | Gilan   Mazandaran   Golestan | IR012  | 36.60    | 52.11     | 65,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Golestan</a>  | Golestan                      | IR035  | 37.42    | 55.75     | 132,354                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Gomishan marshes and Turkoman steppes</a>           | Golestan                      | IR024  | 37.25    | 53.92     | 20,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Incheh Borun lake and marshes</a>                   | Golestan                      | IR026  | 37.22    | 54.50     | 50                      | Y                                |
| Iran, Islamic Republic of | <a href="#">Khosh-Yeilagh</a>                                   | Golestan                      | IR034  | 36.83    | 55.58     | 154,400                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Lake Alagol, Lake Ulmagol and Lake Aijgol</a>       | Golestan                      | IR025  | 37.38    | 54.63     | 1,540                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Lake Bibishervan and Lake Eymar</a>                 | Golestan                      | IR028  | 37.15    | 54.87     | 550                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Voshmigr dam</a>                                    | Golestan                      | IR027  | 37.20    | 54.75     | 500                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Assadabad plain</a>                                 | Hamadan                       | IR051  | 34.70    | 48.03     | 20,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Plains near Ghorveh</a>                             | Hamadan                       | IR050  | 35.08    | 47.90     | 5,000                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Faror islands</a>                                   | Hormozgan                     | IR095  | 26.25    | 54.52     | 3,080                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Hormoz island</a>                                   | Hormozgan                     | IR098  | 27.05    | 56.47     | 4,000                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Khouran Straits</a>                                 | Hormozgan                     | IR096  | 26.83    | 55.67     | 100,000                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Mehrouyeh Wildlife Refuge</a>                       | Hormozgan                     | IR083  | 28.10    | 57.42     | 7,535                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Rud-i-Shur, Rud-i-Shirin and Rud-i-Minab deltas</a> | Hormozgan                     | IR099  | 27.13    | 56.80     | 11,800                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Sheedvar island</a>                                 | Hormozgan                     | IR094  | 26.80    | 53.40     | 160                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Deh Bakhri area</a>                                 | Kerman                        | IR082  | 28.95    | 57.92     | 35,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Khabr-va-Rouchoon Wildlife Refuge</a>               | Kerman                        | IR081  | 28.85    | 56.47     | 173,750                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Hashelan marsh and Doh Tappeh plains</a>            | Kermanshah                    | IR052  | 34.55    | 46.92     | 10,050                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Oshtrankuh Protected Area</a>                       | Kermanshah                    | IR055  | 33.33    | 49.25     | 99,250                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Telesm plain</a>                                    | Kermanshah                    | IR053  | 34.13    | 46.37     | 4,500                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Dez dam</a>   | Khuzestan                     | IR057  | 32.63    | 48.47     | 1,500                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Dez river marshes and plains</a>                    | Khuzestan                     | IR059  | 31.83    | 48.63     | 22,834                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Hamidieh (Omidiyeh) plains</a>                      | Khuzestan                     | IR062  | 31.33    | 48.33     | 20,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Horeh Bamdej</a>                                    | Khuzestan                     | IR061  | 31.75    | 48.60     | 12,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Izeh and Sheikho lakes</a>                          | Khuzestan                     | IR065  | 31.87    | 49.90     | 1,400                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Karkheh river marshes</a>                           | Khuzestan                     | IR058  | 31.75    | 48.42     | 19,021                  | Y                                |

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| Iran, Islamic Republic of | <a href="#">Karun river marshes</a>  | Khuzestan              | IR060  | 31.75    | 48.90     | 2,500                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Shadegan marshes and tidal mudflats of Khor-al Amaya and Khor Musa</a> | Khuzestan              | IR064  | 30.17    | 48.67     | 425,140                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Susangerd marshes</a>  | Khuzestan              | IR063  | 31.75    | 47.92     | 30,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Dasht-i Gaz</a>  | Kordestan              | IR049  | 35.27    | 47.33     | 5,000                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Divandareh/Zarrineh Owbatu</a>   | Kordestan              | IR046  | 35.88    | 47.12     | 5,000                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Lake Zaribar</a>   | Kordestan              | IR047  | 35.53    | 46.12     | 1,550                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Western Zagros north of Nowsud</a>                                     | Kordestan              | IR048  | 35.22    | 46.23     | 57,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Alborz-e Markazi Protected Area</a>                                    | Mazandaran             | IR029  | 36.17    | 51.50     | 410,790                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Dasht-e Naz Wildlife Refuge</a>  | Mazandaran             | IR021  | 36.70    | 53.20     | 56                      | Y                                |
| Iran, Islamic Republic of | <a href="#">Fereidoonkenar marshes</a>   | Mazandaran             | IR019  | 36.58    | 52.52     | 1,000                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Lapoo - Zargmarz ab-bandans</a>  | Mazandaran             | IR022  | 36.83    | 53.28     | 950                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Miankaleh Peninsula and Gorgan Bay</a>                                 | Mazandaran             | IR023  | 36.83    | 53.75     | 97,200                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Seyed Mohalli, Zarin Kola and Larim Sara</a>                           | Mazandaran             | IR020  | 36.75    | 53.00     | 1,600                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Lotfatabad and Darregaz area</a>                                       | North Khorasan         | IR041  | 37.52    | 59.33     | 2,500                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Rud-i Jowin and Rud-i Kalshur</a>                                      | North Khorasan         | IR037  | 36.75    | 57.33     | 250,000                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Sarani</a>   | North Khorasan         | IR039  | 37.75    | 58.17     | 17,800                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Shirvan area</a>   | North Khorasan         | IR038  | 37.42    | 57.83     | 5,000                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Tandoureh</a>  | North Khorasan         | IR040  | 37.42    | 58.67     | 44,790                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Hari Rud valley near Sarrakhs</a>                                      | Razavi Khorasan        | IR042  | 36.50    | 61.15     | 8,000                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Tayebad plains at Ghoomi and Sarhad</a>                                | Razavi Khorasan        | IR043  | 34.75    | 60.92     | 40,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Parvar Protected Area</a>  | Semnan                 | IR033  | 35.95    | 53.58     | 66,626                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Touran</a>   | Semnan                 | IR036  | 35.67    | 56.33     | 1,346,992               | Y                                |
| Iran, Islamic Republic of | <a href="#">Bahu Kalat (Gandu) Protected Area</a>                                  | Sistan and Baluchestan | IR105  | 25.42    | 61.25     | 461,472                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Chahbahar Bay and Khor Konarak</a>                                     | Sistan and Baluchestan | IR104  | 25.33    | 60.33     | 33,500                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Hamoun-i Gabi</a>  | Sistan and Baluchestan | IR085  | 28.12    | 60.83     | 60,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Hamoun-i Sabari and Hamoun-i Hirmand</a>                               | Sistan and Baluchestan | IR087  | 31.17    | 61.17     | 293,030                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Khor Jask</a>  | Sistan and Baluchestan | IR101  | 25.67    | 57.67     | 11,500                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Kuh-i Bazman</a>   | Sistan and Baluchestan | IR084  | 28.08    | 60.00     | 324,688                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Kuh-i Taftan</a>   | Sistan and Baluchestan | IR086  | 28.60    | 61.13     | 180,000                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Pozam - Maytab coast</a>   | Sistan and Baluchestan | IR103  | 25.33    | 60.33     | 9,000                   | Y                                |

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|---------------------------|--|----------------------------------|--------|----------|-----------|-------------------------|----------------------------------|
| Iran, Islamic Republic of | <a href="#">Rud-i-Gaz and Rud-i-Hara deltas</a>            | Sistan and Baluchestan           | IR100  | 26.67    | 56.83     | 15,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Rud-i-Jagin and Rud-i-Gabrik deltas</a>        | Sistan and Baluchestan           | IR102  | 25.58    | 58.33     | 14,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">South end of the Hamoun-i Puzak</a>            | Sistan and Baluchestan           | IR088  | 31.33    | 61.75     | 14,900                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Kavir region</a>                               | Tehran                           | IR032  | 34.75    | 52.17     | 686,598                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Lar River Protected Area</a>                   | Tehran                           | IR030  | 35.95    | 51.60     | 28,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Lashgarak and Latian dam</a>                   | Tehran                           | IR031  | 35.78    | 51.67     | 110                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Akh Gol</a>                                    | West Azarbaijan                  | IR001  | 39.55    | 44.78     | 600                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Ghara Gheslhaq No-Hunting Area</a>             | West Azarbaijan                  | IR009  | 37.17    | 45.83     | 400                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Gordeh Git and Mamiyand</a>                    | West Azarbaijan                  | IR008  | 37.03    | 45.67     | 500                     | Y                                |
| Iran, Islamic Republic of | <a href="#">Lake Kobi</a>                                  | West Azarbaijan                  | IR010  | 36.95    | 45.50     | 1,200                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Lake Uromiyeh</a>                              | West Azarbaijan                  | IR006  | 37.50    | 45.50     | 483,000                 | Y                                |
| Iran, Islamic Republic of | <a href="#">Nowruzlu and Ghazanlu</a>                      | West Azarbaijan                  | IR011  | 36.92    | 46.17     | 17,000                  | Y                                |
| Iran, Islamic Republic of | <a href="#">Shur Gol, Yadegarlu and Dorgeh Sangi lakes</a> | West Azarbaijan                  | IR007  | 37.02    | 45.52     | 2,500                   | Y                                |
| Iran, Islamic Republic of | <a href="#">Kalmand Protected Area</a>                     | Yazd                             | IR069  | 31.50    | 54.67     | 232,326                 | Y                                |
| Iraq                      | <a href="#">East Hammar</a>                                | Basrah                           | IQ077  | 30.78    | 47.39     | 82,968                  | Y                                |
| Iraq                      | <a href="#">Fao</a>  | Basrah                           | IQ082  | 29.93    | 48.60     | 16,909                  | Y                                |
| Iraq                      | <a href="#">Khawr Abdallah</a>                             | Basrah                           |        | 29.92    | 48.53     | 126,000                 | Y                                |
| Iraq                      | <a href="#">Hawizeh</a>                                    | Basrah   Missan                  | IQ073  | 31.58    | 47.68     | 164,023                 | Y                                |
| Iraq                      | <a href="#">Central Marshes</a>                            | Basrah   Thi-Qar   Missan        | IQ075  | 30.96    | 46.99     | 131,780                 | Y                                |
| Iraq                      | <a href="#">Hoshiya and Saaroot</a>                        | Missan                           | IQ066  | 32.33    | 46.83     | 33,560                  | Y                                |
| Iraq                      | <a href="#">Sinnaf Seasonal Wetlands</a>                   | Missan                           | IQ069  | 31.87    | 47.32     | 26,049                  | Y                                |
| Iraq                      | <a href="#">Teab Seasonal Wetlands</a>                     | Missan                           | IQ068  | 32.17    | 47.38     | 14,827                  | Y                                |
| Iraq                      | <a href="#">Teeb Oasis and Zubaiddaat</a>                  | Missan                           | IQ067  | 32.38    | 47.37     | 28,578                  | Y                                |
| Iraq                      | <a href="#">Ahmed Awa</a>                                  | Sulaimani                        | IQ042  | 35.30    | 46.08     | 887                     | Y                                |
| Iraq                      | <a href="#">Hawraman Area</a>                              | Sulaimani                        | IQ043  | 35.22    | 46.19     | 4,463                   | Y                                |
| Iraq                      | <a href="#">Penjween</a>                                   | Sulaimani                        | IQ032  | 35.76    | 45.94     | 4,035                   | Y                                |
| Kazakhstan                | <a href="#">Aleksievskie steppe pine forests</a>           | Akmola region                    | KZ049  | 51.97    | 70.63     | 176,090                 | Y                                |
| Kazakhstan                | <a href="#">Amangeldy</a>                                  | Akmola region                    | KZ052  | 50.57    | 69.85     | 5,536                   | Y                                |
| Kazakhstan                | <a href="#">Iskrinskie Pine Forests</a>                    | Akmola region                    | KZ083  | 52.13    | 72.02     | 63,055                  | Y                                |
| Kazakhstan                | <a href="#">Korgalzhyn State Nature Reserve</a>            | Akmola region                    | KZ051  | 50.42    | 69.23     | 258,963                 | Y                                |
| Kazakhstan                | <a href="#">Kumdykol-Zharlykol Lake System</a>             | Akmola region                    | KZ056  | 50.58    | 70.88     | 20,350                  | Y                                |
| Kazakhstan                | <a href="#">Tuzashchy and Karasor Lakes</a>                | Akmola region                    | KZ058  | 50.35    | 70.28     | 8,582                   | Y                                |
| Kazakhstan                | <a href="#">Uyalysalkar Lake System</a>                    | Akmola region                    | KZ055  | 50.63    | 70.37     | 20,360                  | Y                                |
| Kazakhstan                | <a href="#">Vicinity of Korgalzhyn village</a>             | Akmola region                    | KZ054  | 50.58    | 70.05     | 10,280                  | Y                                |
| Kazakhstan                | <a href="#">Zhumay-Mayshukyr Lake System</a>               | Akmola region                    | KZ053  | 50.72    | 69.88     | 12,490                  | Y                                |
| Kazakhstan                | <a href="#">Ereymtau Mountains</a>                         | Akmola region   Karaganda region | KZ084  | 51.40    | 73.28     | 364,580                 | Y                                |
| Kazakhstan                | <a href="#">Zharkol Lakes</a>                              | Akmola region   Kostanay region  | KZ050  | 50.45    | 67.25     | 8,818                   | Y                                |
| Kazakhstan                | <a href="#">Irgiz-Turgay Lakes</a>                         | Aktobe region                    | KZ042  | 48.67    | 62.13     | 348,000                 | Y                                |

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|------------|---|--|--------|----------|-----------|-------------------------|----------------------------------|
| Kazakhstan | <a href="#">Mugodzhary</a>  | Aktobe region                                    | KZ022  | 48.75    | 58.80     | 241,925                 | Y                                |
| Kazakhstan | <a href="#">Zhagabulak Forest</a>                                       | Aktobe region                                    | KZ021  | 48.57    | 57.60     | 6,740                   | Y                                |
| Kazakhstan | <a href="#">Donyz-Tau cliff faces</a>                                   | Aktobe region   Atyrau region   Mangistau region | KZ019  | 46.48    | 56.63     | 387,110                 | Y                                |
| Kazakhstan | <a href="#">Almaty State Nature Reserve</a>                             | Almaty region                                    | KZ099  | 43.10    | 77.32     | 71,700                  | Y                                |
| Kazakhstan | <a href="#">Altyn-Emel National Park</a>                                | Almaty region                                    | KZ101  | 44.00    | 78.42     | 197,600                 | Y                                |
| Kazakhstan | <a href="#">Assy Plateau</a>  | Almaty region                                    | KZ100  | 43.25    | 78.05     | 41,050                  | Y                                |
| Kazakhstan | <a href="#">Big Almaty Gorge</a>  | Almaty region                                    | KZ098  | 43.07    | 76.98     | 22,305                  | Y                                |
| Kazakhstan | <a href="#">Ili River Delta</a>   | Almaty region                                    | KZ092  | 45.42    | 74.83     | 574,300                 | Y                                |
| Kazakhstan | <a href="#">Kapchagay Canyon</a>  | Almaty region                                    | KZ096  | 44.05    | 77.00     | 14,950                  | Y                                |
| Kazakhstan | <a href="#">Lower reaches of the Karatal River</a>                      | Almaty region                                    | KZ090  | 46.37    | 77.30     | 102,195                 | Y                                |
| Kazakhstan | <a href="#">Sorbulak Lake System</a>                                    | Almaty region                                    | KZ097  | 43.67    | 76.60     | 18,540                  | Y                                |
| Kazakhstan | <a href="#">Tentek River Delta</a>                                      | Almaty region                                    | KZ114  | 46.42    | 81.00     | 45,855                  | Y                                |
| Kazakhstan | <a href="#">Topar Lake System</a>                                       | Almaty region                                    | KZ093  | 44.97    | 75.15     | 32,530                  | Y                                |
| Kazakhstan | <a href="#">Toraygyr Ridge</a>  | Almaty region                                    | KZ102  | 43.30    | 78.75     | 38,565                  | Y                                |
| Kazakhstan | <a href="#">Tuzkol Lake</a>   | Almaty region                                    | KZ104  | 43.00    | 79.98     | 3,194                   | Y                                |
| Kazakhstan | <a href="#">Upper Charyn</a>  | Almaty region                                    | KZ103  | 43.22    | 79.25     | 4,700                   | Y                                |
| Kazakhstan | <a href="#">Ushkol Lake</a>   | Almaty region                                    | KZ091  | 45.67    | 78.09     | 886                     | Y                                |
| Kazakhstan | <a href="#">Zheltoranga</a>   | Almaty region                                    | KZ094  | 45.03    | 75.30     | 938                     | Y                                |
| Kazakhstan | <a href="#">Zhusandala</a>  | Almaty region                                    | KZ095  | 44.45    | 74.95     | 217,135                 | Y                                |
| Kazakhstan | <a href="#">Lake Alakol Islands</a>                                     | Almaty region   East-Kazakhstan region           | KZ115  | 46.17    | 81.82     | 7,400                   | Y                                |
| Kazakhstan | <a href="#">Caspian Sea shore between Volga and Ural River Deltas</a>   | Atyrau region                                    |        | 46.78    | 50.22     | 175,000                 | Y                                |
| Kazakhstan | <a href="#">Delta of the Ural River</a>                                 | Atyrau region                                    | KZ009  | 46.92    | 51.68     | 67,115                  | Y                                |
| Kazakhstan | <a href="#">Kazakhstan portion of the river Volga's Delta - Zhambay</a> | Atyrau region                                    | KZ008  | 46.33    | 49.50     | 248,480                 | Y                                |
| Kazakhstan | <a href="#">Lower reaches of the Emba River</a>                         | Atyrau region                                    | KZ010  | 46.98    | 53.57     | 208,990                 | Y                                |
| Kazakhstan | <a href="#">Sagyz</a>   | Atyrau region                                    | KZ020  | 48.28    | 54.68     | 11,280                  | Y                                |
| Kazakhstan | <a href="#">Uil River and Taysoygan Sands</a>                           | Atyrau region                                    | KZ007  | 48.83    | 53.52     | 32,285                  | Y                                |
| Kazakhstan | <a href="#">Arkaly Mountains</a>  | East-Kazakhstan region                           | KZ113  | 46.60    | 82.50     | 21,365                  | Y                                |
| Kazakhstan | <a href="#">Cherdoyak</a>   | East-Kazakhstan region                           | KZ118  | 49.82    | 83.82     | 29,620                  | Y                                |
| Kazakhstan | <a href="#">Cherniy (Black) Irtysh Delta</a>                            | East-Kazakhstan region                           | KZ120  | 47.82    | 84.63     | 104,200                 | Y                                |
| Kazakhstan | <a href="#">Chingiztau Mountains</a>                                    | East-Kazakhstan region                           | KZ109  | 48.42    | 79.67     | 863,490                 | Y                                |
| Kazakhstan | <a href="#">Eastern Kazakhstan uplands</a>                              | East-Kazakhstan region                           | KZ110  | 48.00    | 81.20     | 221,130                 | Y                                |
| Kazakhstan | <a href="#">Karabas Mountains</a>                                       | East-Kazakhstan region                           | KZ112  | 46.80    | 82.77     | 12,300                  | Y                                |
| Kazakhstan | <a href="#">Manyrak Mountains</a>                                       | East-Kazakhstan region                           | KZ121  | 47.50    | 84.15     | 259,460                 | Y                                |
| Kazakhstan | <a href="#">Markakol State Nature Reserve</a>                           | East-Kazakhstan region                           | KZ119  | 48.73    | 85.78     | 75,048                  | Y                                |
| Kazakhstan | <a href="#">Paradise Valley mountain plateau</a>                        | East-Kazakhstan region                           | KZ116  | 50.30    | 84.13     | 18,800                  | Y                                |
| Kazakhstan | <a href="#">Semey Ormany (Semipalatinsk Forest)</a>                     | East-Kazakhstan region                           | KZ107  | 50.68    | 79.97     | 662,167                 | Y                                |
| Kazakhstan | <a href="#">Tortoise Islands</a>  | East-Kazakhstan region                           | KZ117  | 49.02    | 83.77     | 1,059                   | Y                                |
| Kazakhstan | <a href="#">Western and northern foothills of the Kalba Range</a>       | East-Kazakhstan region                           | KZ108  | 49.75    | 81.67     | 657,170                 | Y                                |



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| Kazakhstan | <a href="#">Zhagalbayly and Tuyemoynak Hills</a>                   | East-Kazakhstan region  | KZ111  | 47.82    | 82.22     | 83,125                  | Y                                |
| Kazakhstan | <a href="#">Aktubek</a>  | Karaganda region  | KZ057  | 50.22    | 69.50     | 6,175                   | Y                                |
| Kazakhstan | <a href="#">Ashchykol and Barakkol Lakes</a>                       | Karaganda region  | KZ061  | 49.28    | 67.40     | 25,930                  | Y                                |
| Kazakhstan | <a href="#">Ayak-Bestau Hills</a>                                  | Karaganda region  | KZ063  | 47.83    | 70.35     | 340,410                 | Y                                |
| Kazakhstan | <a href="#">Balyktykol Lake</a>                                    | Karaganda region  | KZ089  | 49.79    | 75.93     | 10,430                  | Y                                |
| Kazakhstan | <a href="#">Irtys-Karaganda Waterworks 10</a>                      | Karaganda region  | KZ085  | 50.79    | 73.67     | 5,159                   | Y                                |
| Kazakhstan | <a href="#">Irtys-Karaganda Waterworks 9</a>                       | Karaganda region  | KZ086  | 50.79    | 73.83     | 3,782                   | Y                                |
| Kazakhstan | <a href="#">Karazor Lake</a>                                       | Karaganda region  | KZ088  | 49.87    | 75.37     | 37,286                  | Y                                |
| Kazakhstan | <a href="#">Kultansor and Tatyssor Lakes</a>                       | Karaganda region  | KZ060  | 49.77    | 71.47     | 6,204                   | Y                                |
| Kazakhstan | <a href="#">Ortau upland massif</a>                                | Karaganda region  | KZ064  | 47.72    | 72.25     | 1,071,750               | Y                                |
| Kazakhstan | <a href="#">Saumalkol Lake</a>                                     | Karaganda region  | KZ087  | 49.81    | 74.98     | 2,171                   | Y                                |
| Kazakhstan | <a href="#">Tassuat Lake</a>                                       | Karaganda region  | KZ059  | 49.84    | 71.30     | 3,589                   | Y                                |
| Kazakhstan | <a href="#">Ulytau Mountains</a>                                   | Karaganda region  | KZ062  | 48.40    | 66.68     | 186,100                 | Y                                |
| Kazakhstan | <a href="#">Western edge of the Karakoyin and Zhetikonyr Sands</a> | Karaganda region  | KZ067  | 46.50    | 68.33     | 49,690                  | Y                                |
| Kazakhstan | <a href="#">Lower reaches of the Sarysu River</a>                  | Karaganda region   Kyzylorda region   South-Kazakhstan region | KZ066  | 46.47    | 67.17     | 331,330                 | Y                                |
| Kazakhstan | <a href="#">Akzhan Lake</a>  | Kostanay region   | KZ024  | 54.18    | 65.70     | 3,026                   | Y                                |
| Kazakhstan | <a href="#">Amarkaragay Forest</a>                                 | Kostanay region   | KZ034  | 52.43    | 63.95     | 84,795                  | Y                                |
| Kazakhstan | <a href="#">Batpakkol lake</a>                                     | Kostanay region   |        | 51.42    | 62.65     | 2,690                   | Y                                |
| Kazakhstan | <a href="#">Kamyshovoe-Zhamankol Lakes</a>                         | Kostanay region   | KZ026  | 53.96    | 65.92     | 3,940                   | Y                                |
| Kazakhstan | <a href="#">Koybagar-Tyuntuyugur Lake System</a>                   | Kostanay region   | KZ033  | 52.65    | 65.63     | 62,345                  | Y                                |
| Kazakhstan | <a href="#">Kulykol-Taldykol Lake System</a>                       | Kostanay region   | KZ036  | 51.39    | 61.90     | 11,960                  | Y                                |
| Kazakhstan | <a href="#">Kushmurun Lake</a>                                     | Kostanay region   | KZ032  | 52.67    | 64.77     | 92,510                  | Y                                |
| Kazakhstan | <a href="#">Naurzum State Nature Reserve</a>                       | Kostanay region   | KZ040  | 51.52    | 64.28     | 191,381                 | Y                                |
| Kazakhstan | <a href="#">Russkiy Zharkol</a>                                    | Kostanay region   |        | 50.21    | 67.29     | 12,774                  | Y                                |
| Kazakhstan | <a href="#">Salmanykol lake</a>                                    | Kostanay region   |        | 51.52    | 63.47     | 1,813                   | Y                                |
| Kazakhstan | <a href="#">Sankebay Lakes</a>                                     | Kostanay region   | KZ039  | 51.40    | 63.53     | 4,675                   | Y                                |
| Kazakhstan | <a href="#">Sarykopa Lake System</a>                               | Kostanay region   | KZ041  | 50.22    | 64.13     | 51,200                  | Y                                |
| Kazakhstan | <a href="#">Shagyrykol and Mamyrykol lakes</a>                     | Kostanay region   |        | 51.68    | 62.67     | 1,875                   | Y                                |
| Kazakhstan | <a href="#">Shoshkaly Lake System</a>                              | Kostanay region   | KZ027  | 53.67    | 64.93     | 13,580                  | Y                                |
| Kazakhstan | <a href="#">Sulukol Lake</a>                                       | Kostanay region   | KZ035  | 52.02    | 63.63     | 3,091                   | Y                                |
| Kazakhstan | <a href="#">Teniz-Karakamys Lakes</a>                              | Kostanay region   | KZ023  | 54.12    | 64.53     | 12,528                  | Y                                |
| Kazakhstan | <a href="#">Tounsor Hollow Lakes</a>                               | Kostanay region   | KZ037  | 51.27    | 62.38     | 35,000                  | Y                                |
| Kazakhstan | <a href="#">Zharsor-Urkash Salt Lakes</a>                          | Kostanay region   | KZ038  | 51.34    | 62.75     | 35,170                  | Y                                |
| Kazakhstan | <a href="#">Lesser Aral Sea</a>                                    | Kyzylorda region  | KZ043  | 46.33    | 61.00     | 139,400                 | Y                                |
| Kazakhstan | <a href="#">Syrdarya Delta Lakes</a>                               | Kyzylorda region  | KZ044  | 46.07    | 61.70     | 144,165                 | Y                                |
| Kazakhstan | <a href="#">Telikol Lakes</a>                                      | Kyzylorda region  | KZ068  | 45.07    | 66.82     | 159,320                 | Y                                |
| Kazakhstan | <a href="#">Aktau cliff faces</a>                                  | Mangistau region  | KZ013  | 44.47    | 51.53     | 235,195                 | Y                                |
| Kazakhstan | <a href="#">Basgurly-Zhazgurly Depression</a>                      | Mangistau region  | KZ017  | 42.77    | 53.43     | 42,420                  | Y                                |
| Kazakhstan | <a href="#">Karagie Depression</a>                                 | Mangistau region  | KZ015  | 43.57    | 51.73     | 215,420                 | Y                                |
| Kazakhstan | <a href="#">Karakol Lake</a>                                       | Mangistau region  | KZ012  | 43.53    | 51.30     | 5,270                   | Y                                |
| Kazakhstan | <a href="#">Kaundy Depression</a>                                  | Mangistau region  | KZ016  | 42.92    | 52.93     | 78,220                  | Y                                |
| Kazakhstan | <a href="#">North-western cliff faces of the Ustyurt Plateau</a>   | Mangistau region  | KZ018  | 45.87    | 55.47     | 430,660                 | Y                                |
| Kazakhstan | <a href="#">Tyulení (Seal) Islands</a>                             | Mangistau region  | KZ011  | 44.92    | 50.37     | 166,880                 | Y                                |
| Kazakhstan | <a href="#">Western cliff faces of the Ustyurt Plateau</a>         | Mangistau region  | KZ014  | 44.87    | 53.77     | 790,825                 | Y                                |

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|------------|---|--|--------|----------|-----------|-------------------------|----------------------------------|
| Kazakhstan | <a href="#">Aksuat Lake</a>                                 | North-Kazakhstan region                  | KZ029  | 53.67    | 66.45     | 4,589                   | Y                                |
| Kazakhstan | <a href="#">Balykty Lake</a>                                | North-Kazakhstan region                  | KZ047  | 54.23    | 68.73     | 4,138                   | Y                                |
| Kazakhstan | <a href="#">Bolshoy Kak Lake</a>                            | North-Kazakhstan region                  | KZ028  | 53.57    | 66.20     | 11,500                  | Y                                |
| Kazakhstan | <a href="#">Maliy Kak Lake</a>                              | North-Kazakhstan region                  | KZ031  | 53.77    | 66.82     | 9,721                   | Y                                |
| Kazakhstan | <a href="#">Shaglyteniz Lake and marshes</a>                | North-Kazakhstan region                  | KZ048  | 54.10    | 69.87     | 34,750                  | Y                                |
| Kazakhstan | <a href="#">Sorbalyk-Maybalyk Lake System</a>               | North-Kazakhstan region                  | KZ025  | 54.27    | 66.72     | 3,400                   | Y                                |
| Kazakhstan | <a href="#">Teke Lake</a>                                   | North-Kazakhstan region                  | KZ080  | 53.83    | 72.93     | 70,370                  | Y                                |
| Kazakhstan | <a href="#">Terenkol Lake</a>                               | North-Kazakhstan region                  | KZ045  | 54.40    | 69.21     | 835                     | Y                                |
| Kazakhstan | <a href="#">Zhaltyr Lake</a>                                | North-Kazakhstan region                  | KZ030  | 53.98    | 67.27     | 2,594                   | Y                                |
| Kazakhstan | <a href="#">Zhylandy Lake</a>                               | North-Kazakhstan region                  | KZ046  | 54.23    | 68.73     | 3,410                   | Y                                |
| Kazakhstan | <a href="#">Ertis Ormany (Shaldai Forest)</a>               | Pavlodar region                          | KZ105  | 51.83    | 78.83     | 277,961                 | Y                                |
| Kazakhstan | <a href="#">Karasuk</a>                                     | Pavlodar region                          | KZ082  | 53.50    | 77.13     | 19,610                  | Y                                |
| Kazakhstan | <a href="#">Korgankol Lake</a>                              | Pavlodar region                          | KZ081  | 53.14    | 74.15     | 1,097                   | Y                                |
| Kazakhstan | <a href="#">Shcherbaky Lakes</a>                            | Pavlodar region                          | KZ106  | 51.35    | 78.25     | 2,955                   | Y                                |
| Kazakhstan | <a href="#">Arys-Karaktau State Reserved Zone</a>           | South-Kazakhstan region                  | KZ075  | 42.33    | 68.00     | 404,000                 | Y                                |
| Kazakhstan | <a href="#">Arystandy</a>                                   | South-Kazakhstan region                  | KZ073  | 43.20    | 69.50     | 19,840                  | Y                                |
| Kazakhstan | <a href="#">Chardara Reservoir</a>                          | South-Kazakhstan region                  | KZ076  | 41.17    | 68.18     | 96,010                  | Y                                |
| Kazakhstan | <a href="#">Kenshektau Mountains</a>                        | South-Kazakhstan region                  | KZ070  | 43.75    | 68.80     | 10,915                  | Y                                |
| Kazakhstan | <a href="#">Kyzykol Lake</a>                                | South-Kazakhstan region                  | KZ072  | 43.75    | 69.49     | 4,160                   | Y                                |
| Kazakhstan | <a href="#">Lakes in the lower reaches of the Chu River</a> | South-Kazakhstan region                  | KZ069  | 44.92    | 67.70     | 147,950                 | Y                                |
| Kazakhstan | <a href="#">Shoshkakol Lakes</a>                            | South-Kazakhstan region                  | KZ074  | 43.03    | 69.52     | 53,460                  | Y                                |
| Kazakhstan | <a href="#">Aksu-Dzhabagly State Nature Reserve</a>         | South-Kazakhstan region   Zhambyl region | KZ078  | 42.33    | 70.58     | 131,934                 | Y                                |
| Kazakhstan | <a href="#">Akzhar Lakes</a>                                | South-Kazakhstan region   Zhambyl region | KZ071  | 43.98    | 69.75     | 25,714                  | Y                                |
| Kazakhstan | <a href="#">Chokpak Pass</a>                                | South-Kazakhstan region   Zhambyl region | KZ077  | 42.52    | 70.63     | 10,160                  | Y                                |
| Kazakhstan | <a href="#">Kamysh-Samarskie Lakes</a>                      | West-Kazakhstan region                   | KZ006  | 48.88    | 49.85     | 114,860                 | Y                                |
| Kazakhstan | <a href="#">Kushum Lakes</a>                                | West-Kazakhstan region                   | KZ004  | 49.33    | 50.42     | 175,315                 | Y                                |
| Kazakhstan | <a href="#">Lower reaches of the Ashchyozek River</a>       | West-Kazakhstan region                   | KZ002  | 49.17    | 48.30     | 217,400                 | Y                                |
| Kazakhstan | <a href="#">Sarshyganak Lake</a>                            | West-Kazakhstan region                   | KZ003  | 49.44    | 49.85     | 2,978                   | Y                                |
| Kazakhstan | <a href="#">Shalkar Lake</a>                                | West-Kazakhstan region                   | KZ001  | 50.55    | 51.67     | 27,530                  | Y                                |
| Kazakhstan | <a href="#">Ural River Valley</a>                           | West-Kazakhstan region                   |        | 49.68    | 51.48     | 234,226                 | Y                                |
| Kazakhstan | <a href="#">Urda Sands</a>                                  | West-Kazakhstan region                   | KZ005  | 48.62    | 48.50     | 954,830                 | Y                                |

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| Kazakhstan | <a href="#">Ters-Ashchibulak Reservoir</a>               | Zhambyl region      | KZ079  | 42.68     | 70.90      | 3,310                   | Y                                |
| Kazakhstan | <a href="#">Middle reaches of the Sarysu River</a>       |                     | KZ065  | 47.08     | 68.00      | 142,165                 | Y                                |
| Kuwait     | <a href="#">Kubbar island</a>                            | Al Ahmadi           | KW008  | 29.07     | 48.49      | 18                      | Y                                |
| Kuwait     | <a href="#">Dawhat Kazima</a>                            | Al Jahrah           | KW002  | 29.38     | 47.78      | 1,660                   | Y                                |
| Kuwait     | <a href="#">Jal Az-Zor</a>                               | Al Jahrah           | KW001  | 29.55     | 47.78      | 25,000                  | Y                                |
| Kuwait     | <a href="#">Ad-Doha Nature Reserve</a>                   | Al Kuwayt           | KW003  | 29.37     | 47.82      | 450                     | Y                                |
| Kuwait     | <a href="#">Al-Jahra Pool Nature Reserve</a>             | Al Kuwayt           | KW006  | 29.35     | 47.71      | 250                     | Y                                |
| Kuwait     | <a href="#">Sulaibikhat Bay</a>                          | Al Kuwayt           | KW005  | 29.35     | 47.85      | 4,845                   | Y                                |
| Kyrgyzstan | Surmatash  | Batken              |        | N 39° 58' | E 071° 59' | 66194                   | C                                |
| Kyrgyzstan | Ak-Suu   | Chu                 |        | N 42° 28' | E 074° 07' | 7862                    | C                                |
| Kyrgyzstan | Ala-Archa  | Chu                 |        | N 42° 32' | E 074° 29' | 19400                   | C                                |
| Kyrgyzstan | Chon-Kemin   | Chu                 |        | N 42° 49' | E 076° 43' | 123,654                 | C                                |
| Kyrgyzstan | <a href="#">Tokmak Pheasant Reserve</a>                  | Chüy                |        | 42.77     | 75.24      | 3,000                   | Y                                |
| Kyrgyzstan | <a href="#">Tulek Valley</a>                             | Chüy                |        | 43.17     | 74.08      | 5,000                   | Y                                |
| Kyrgyzstan | <a href="#">Water reservation of Northern Chu Valley</a> | Chüy                |        | 43.02     | 74.11      | 2,000                   | Y                                |
| Kyrgyzstan | Kara-Kol   | Issyk-Kul           |        | N 42° 18' | E 078° 29' | 38148                   | C                                |
| Kyrgyzstan | Sarychat-Ertash Nature Reserve                           | Issyk-Kul           |        | N 41° 78' | E 078° 32' | 134140                  | C                                |
| Kyrgyzstan | Sary-Djaz and Khan-Tengri                                | Issyk-Kul           |        | N 41° 13' | E 079° 27' | 2758003                 | C                                |
| Kyrgyzstan | <a href="#">Gorge Tash-Rabat</a>                         | Naryn               |        | 40.94     | 75.25      | 2,250                   | Y                                |
| Kyrgyzstan | Karatal-Japaryk State Reserve                            | Naryn               |        | N 41° 40' | E 075° 24' | 36449                   | C                                |
| Kyrgyzstan | Salkyn-Tor   | Naryn               |        | N 41° 25' | E 076° 09' | 10419                   | C                                |
| Kyrgyzstan | Ak-Bura  | Osh                 |        | N 40° 19' | E 072° 57' | 19561                   | C                                |
| Kyrgyzstan | <a href="#">Eastern Alai</a>                             | Osh                 |        | 39.50     | 73.00      | 10,000                  | Y                                |
| Kyrgyzstan | Gulcha   | Osh                 |        | N 40° 14' | E 073° 28' | 1955                    | C                                |
| Kyrgyzstan | Kara-Shoro   | Osh                 |        | N 40° 44' | E 074° 01' | 14340                   | C                                |
| Kyrgyzstan | Kulun-Ata  | Osh                 |        | N 40° 32' | E 074° 19' | 27434                   | C                                |
| Kyrgyzstan | Kyrgyz-Ata   | Osh                 |        | N 40° 04' | E 072° 31' | 11172                   | C                                |
| Kyrgyzstan | <a href="#">Western Alai, Kok-Suu river</a>              | Osh                 |        | 39.60     | 72.19      | 10,000                  | Y                                |
| Kyrgyzstan | Besh-Tash  | Talass              |        | N 42° 11' | E 072° 30' | 13650                   | C                                |
| Kyrgyzstan | Kara-Bura  | Talass              |        | N 42° 16' | E 071° 15' | 59067                   | C                                |
| Kyrgyzstan | Talas River  | Talass              |        | N 42° 32' | E 072° 14' | 2511                    | C                                |
| Kyrgyzstan | <a href="#">Karkyra Valley</a>                           | Ysyk-Köl            |        | 42.72     | 79.21      | 5,000                   | Y                                |
| Kyrgyzstan | Alatai   | Zhalal-Abad         |        | N 41° 58' | E 072° 13' | 56826                   | C                                |
| Kyrgyzstan | Besh-Aral  | Zhalal-Abad         |        | N 41° 34' | E 070° 28' | 112018                  | C                                |
| Kyrgyzstan | Chandalash   | Zhalal-Abad         |        | N 42° 02' | E 071° 06' | 25270                   | C                                |
| Kyrgyzstan | Chychkan   | Zhalal-Abad         |        | N 42° 12' | E 072° 57' | 65551                   | C                                |
| Kyrgyzstan | Dashman  | Zhalal-Abad         |        | N 41° 20' | E 073° 01' | 7958                    | C                                |
| Kyrgyzstan | Kan-Achu   | Zhalal-Abad         |        | N 41° 23' | E 073° 33' | 30496                   | C                                |
| Kyrgyzstan | Karasu   | Zhalal-Abad         |        | N 41° 34' | E 073° 14' | 384                     | C                                |
| Kyrgyzstan | Saimaluu-Tash  | Zhalal-Abad         |        | N 41° 07' | E 073° 56' | 32007                   | C                                |
| Kyrgyzstan | Sary-Chalek  | Zhalal-Abad         |        | N 41° 53' | E 071° 58' | 23868                   | C                                |
| Kyrgyzstan | Ak-Sai   |                     |        |           |            |                         | C                                |
| Kyrgyzstan | Alai-Kuu   |                     |        |           |            |                         | C                                |
| Kyrgyzstan | Bazar-Korgon   |                     |        |           |            |                         | C                                |
| Kyrgyzstan | Bekechal   |                     |        |           |            |                         | C                                |
| Kyrgyzstan | Isfairam and Shakhimardan River Basins                   |                     |        |           |            |                         | C                                |
| Kyrgyzstan | Kassan-Say   |                     |        |           |            |                         | C                                |
| Kyrgyzstan | Kavak-Too and Moldo-Too                                  |                     |        |           |            |                         | C                                |

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|------------|--|--|--------|----------|-----------|-------------------------|----------------------------------|
| Kyrgyzstan | Kurpasay   |  |        |          |           |                         | C                                |
| Kyrgyzstan | Kyzyl-Unkur  |  |        |          |           |                         | C                                |
| Kyrgyzstan | Leilek   |  |        |          |           |                         | C                                |
| Kyrgyzstan | Nyldy  |  |        |          |           |                         | C                                |
| Kyrgyzstan | Sargata  |  |        |          |           |                         | C                                |
| Kyrgyzstan | Sumsar   |  |        |          |           |                         | C                                |
| Kyrgyzstan | Toktogul Reservoir   |  |        |          |           |                         | C                                |
| Kyrgyzstan | Torkent  |  |        |          |           |                         | C                                |
| Maldives   | <a href="#">Haa Alifu Atoll</a>                              |  | MV001  | 7.00     | 73.00     | 6,000                   | Y                                |
| Mongolia   | Khunt Lake   | Arkhangai                              |        | 48.44    | 102.58    |                         | C                                |
| Mongolia   | <a href="#">Ogii Lake</a>                                    | Arkhangai                              | MN042  | 47.77    | 102.70    | 15,200                  | Y                                |
| Mongolia   | <a href="#">Terkhiiin Tsagaan Lake</a>                       | Arkhangai                              | MN031  | 48.17    | 99.75     | 26,800                  | Y                                |
| Mongolia   | <a href="#">Khangain Nuruu National Park</a>                 | Arkhangai   Bayankhongor   Ovorkhangai | MN030  | 47.28    | 101.25    | 897,840                 | Y                                |
| Mongolia   | Gungaluut Lake   | Baganuur                               |        | 47.63    | 108.3     |                         | C                                |
| Mongolia   | Binderyaa Khukh Lake   | Bayankhongor                           |        | 47.36    | 99.29     |                         | C                                |
| Mongolia   | <a href="#">Boon Tsagaan Lake</a>                            | Bayankhongor                           | MN026  | 45.58    | 99.18     | 54,800                  | Y                                |
| Mongolia   | <a href="#">Orog Lake</a>                                    | Bayankhongor                           | MN028  | 45.07    | 100.75    | 28,000                  | Y                                |
| Mongolia   | <a href="#">Dayan Lake</a>                                   | Bayan-Olgii                            | MN003  | 48.33    | 88.83     | 20,800                  | Y                                |
| Mongolia   | <a href="#">Khoton-Khorgon Lakes</a>                         | Bayan-Olgii                            | MN001  | 48.58    | 88.42     | 34,000                  | Y                                |
| Mongolia   | <a href="#">Tolbo Lake</a>                                   | Bayan-Olgii                            | MN006  | 48.53    | 90.10     | 24,400                  | Y                                |
| Mongolia   | <a href="#">Tsengel Khairkhan Mountain</a>                   | Bayan-Olgii                            | MN002  | 48.60    | 89.15     | 52,726                  | Y                                |
| Mongolia   | <a href="#">Khokh Serkhiiin Nuruu</a>                        | Bayan-Olgii   Khovd                    | MN005  | 48.15    | 90.78     | 74,502                  | Y                                |
| Mongolia   | <a href="#">Achit Lake</a>                                   | Bayan-Olgii   Uvs                      | MN007  | 49.50    | 90.53     | 73,700                  | Y                                |
| Mongolia   | <a href="#">Airkhan Lake</a>                                 | Bulgan                                 | MN038  | 49.62    | 102.67    | 11,200                  | Y                                |
| Mongolia   | <a href="#">Dashinchilen Bayan Lake</a>                      | Bulgan                                 | MN043  | 47.85    | 104.05    | 50,200                  | Y                                |
| Mongolia   | <a href="#">Selenge - Teel</a>                               | Bulgan                                 | MN040  | 49.45    | 102.55    | 18,568                  | Y                                |
| Mongolia   | <a href="#">Sharga Lake</a>                                  | Bulgan                                 | MN041  | 48.92    | 101.95    | 2,118                   | Y                                |
| Mongolia   | <a href="#">Teshigiin Olon Lakes</a>                         | Bulgan                                 | MN037  | 49.90    | 102.67    | 12,800                  | Y                                |
| Mongolia   | Zed Khantai Nuruu  | Bulgan                                 |        | 49.67    | 103.5     |                         | C                                |
| Mongolia   | <a href="#">Buir Lake</a>                                    | Dornod                                 | MN068  | 47.77    | 117.80    | 43,200                  | Y                                |
| Mongolia   | <a href="#">Khukh Lake</a>                                   | Dornod                                 | MN067  | 49.52    | 115.58    | 13,200                  | Y                                |
| Mongolia   | <a href="#">Mongol Daguur</a>                                | Dornod                                 | MN066  | 49.72    | 115.25    | 65,000                  | Y                                |
| Mongolia   | <a href="#">Nomrog</a>                                       | Dornod                                 | MN070  | 46.62    | 119.55    | 378,097                 | Y                                |
| Mongolia   | <a href="#">Tashgain Tavan Lakes</a>                         | Dornod                                 | MN069  | 47.37    | 118.45    | 31,200                  | Y                                |
| Mongolia   | <a href="#">Tsengeleg Lakes</a>                              | Dornod                                 | MN063  | 48.45    | 113.47    | 25,000                  | Y                                |
| Mongolia   | <a href="#">Turgen Tsagaan, Zegst, Tuulaitiyn Burd Lakes</a> | Dornod                                 | MN064  | 49.38    | 113.25    | 35,282                  | Y                                |
| Mongolia   | <a href="#">Ugtam Nature Reserve</a>                         | Dornod                                 | MN065  | 49.28    | 113.73    | 46,162                  | Y                                |
| Mongolia   | Valley Of Onon-Balj Rivers                                   | Dornod, Khentii                        |        | 49.07    | 111.08    |                         | C                                |
| Mongolia   | <a href="#">Ikh Nartiin Chuluu Nature Reserve</a>            | Dornogobi                              | MN050  | 45.72    | 108.63    | 43,740                  | Y                                |
| Mongolia   | <a href="#">Maikhant Mountain</a>                            | Dornogobi   Khentii                    | MN057  | 46.67    | 109.92    | 42,015                  | Y                                |
| Mongolia   | Ooshiin Gobi   | Dornogovi                              |        | 44.07    | 109.28    |                         | C                                |
| Mongolia   | <a href="#">Ikh Gazriin Chuluu</a>                           | Dundgobi                               | MN049  | 45.75    | 107.25    | 9,300                   | Y                                |
| Mongolia   | Zagiin us  | Dundgovi                               |        | 44.61    | 107.56    |                         | C                                |
| Mongolia   | <a href="#">Zavkhan River - Ereen Lake</a>                   | Gobi Altai                             | MN023  | 47.16    | 96.00     | 65,735                  | Y                                |
| Mongolia   | Gegeen Lake  | Govi-Altai                             |        | 46.7     | 96.77     |                         | C                                |
| Mongolia   | Zarmangiin Gobi  | Govi-Altai                             |        | 44.87    | 97.17     |                         | C                                |
| Mongolia   | Bayankhuree  | Khentii                                |        | 47.36    | 111.35    |                         | C                                |

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| Mongolia | <a href="#">Valleys of Khurkh-Khuiten Rivers</a>     | Khentii                 | MN058  | 48.32    | 110.37    | 42,900                  | Y                                |
| Mongolia | <a href="#">Onon-Balj</a>                            | Khentii   Dornod        | MN059  | 49.12    | 111.13    | 104,841                 | Y                                |
| Mongolia | <a href="#">Khan Khentii Strictly Protected Area</a> | Khentii   Selenge   Tov | MN055  | 48.80    | 108.17    | 1,234,755               | Y                                |
| Mongolia | <a href="#">Khar Yamaat Nature Reserve</a>           | Khentii   Sukhbaatar    | MN060  | 47.63    | 112.12    | 51,404                  | Y                                |
| Mongolia | <a href="#">Bulgan River</a>                         | Khovd                   | MN004  | 46.05    | 91.40     | 36,800                  | Y                                |
| Mongolia | <a href="#">Burgedtei Khaikhan Mountain</a>          | Khovd                   |        | 47.5     | 91.3      |                         | C                                |
| Mongolia | <a href="#">Jargalant Khaikhan Mountain</a>          | Khovd                   | MN015  | 47.93    | 92.40     | 15,600                  | Y                                |
| Mongolia | <a href="#">Khar Lake</a>                            | Khovd                   | MN016  | 48.17    | 93.08     | 25,200                  | Y                                |
| Mongolia | <a href="#">Khar Us Lake</a>                         | Khovd                   | MN014  | 47.75    | 92.17     | 140,400                 | Y                                |
| Mongolia | <a href="#">Khongil</a>                              | Khovd                   | MN013  | 47.85    | 91.82     | 6,027                   | Y                                |
| Mongolia | <a href="#">Zeregiin Lakes</a>                       | Khovd                   |        | 47.21    | 92.64     |                         | C                                |
| Mongolia | <a href="#">Bulgan Tal</a>                           | Khovsgol                | MN036  | 50.18    | 101.55    | 40,445                  | Y                                |
| Mongolia | <a href="#">Darkhad Depression</a>                   | Khovsgol                | MN034  | 51.02    | 99.45     | 109,900                 | Y                                |
| Mongolia | <a href="#">Erkhel Lake</a>                          | Khovsgol                | MN033  | 49.93    | 99.93     | 2,400                   | Y                                |
| Mongolia | <a href="#">Khovsgol Lake</a>                        | Khovsgol                | MN035  | 50.53    | 100.33    | 86,000                  | Y                                |
| Mongolia | <a href="#">Khovsgoliin Sangiin Dalai Lake</a>       | Khovsgol                | MN032  | 49.25    | 99.00     | 16,500                  | Y                                |
| Mongolia | <a href="#">Tarialan</a>                             | Khovsgol                | MN039  | 49.52    | 101.92    | 31,630                  | Y                                |
| Mongolia | <a href="#">Baga Gazriin Chuluu</a>                  | Omnogobi                |        | 46.2     | 106.04    |                         | C                                |
| Mongolia | <a href="#">Borzon Gobi</a>                          | Omnogobi                | MN047  | 42.33    | 105.50    | 399,467                 | Y                                |
| Mongolia | <a href="#">Galba Gobi</a>                           | Omnogobi                | MN048  | 43.08    | 107.67    | 828,328                 | Y                                |
| Mongolia | <a href="#">Govi Gurvan Saikhan Mountain</a>         | Omnogobi                | MN046  | 43.75    | 102.92    | 544,794                 | Y                                |
| Mongolia | <a href="#">Ulaan Lake</a>                           | Omnogobi                |        | 44.52    | 103.65    |                         | C                                |
| Mongolia | <a href="#">Taatsiin Tsagaan Lake</a>                | Ovorkhangai             | MN029  | 45.13    | 101.43    | 15,600                  | Y                                |
| Mongolia | <a href="#">Ulziitiin Sangiin Dalai Lake</a>         | Ovorkhangai             | MN045  | 46.70    | 103.28    | 4,000                   | Y                                |
| Mongolia | <a href="#">Delta of Orkhon and Selenge Rivers</a>   | Selenge                 | MN054  | 50.20    | 106.13    | 26,800                  | Y                                |
| Mongolia | <a href="#">Selengiin Tsagaan Lake</a>               | Selenge                 | MN053  | 49.95    | 105.35    | 18,000                  | Y                                |
| Mongolia | <a href="#">Ganga Lakes</a>                          | Sukhbaatar              | MN061  | 45.25    | 114.00    | 32,800                  | Y                                |
| Mongolia | <a href="#">Eej Khad</a>                             | Tov                     | MN051  | 47.32    | 106.88    | 36,867                  | Y                                |
| Mongolia | <a href="#">Erdenesant Mountains</a>                 | Tov                     | MN044  | 47.43    | 104.95    | 34,776                  | Y                                |
| Mongolia | <a href="#">Gorkhi-Terelj National Park</a>          | Tov                     | MN056  | 47.95    | 107.42    | 293,937                 | Y                                |
| Mongolia | <a href="#">Khustain Nuruu National Park</a>         | Tov                     | MN052  | 47.70    | 105.87    | 49,932                  | Y                                |
| Mongolia | <a href="#">Airag Lake</a>                           | Uvs                     | MN012  | 48.90    | 93.43     | 34,800                  | Y                                |
| Mongolia | <a href="#">Baga and Bayan Lakes</a>                 | Uvs                     | MN010  | 49.95    | 93.92     | 6,800                   | Y                                |
| Mongolia | <a href="#">Uureg Lake</a>                           | Uvs                     | MN008  | 50.12    | 90.95     | 44,800                  | Y                                |
| Mongolia | <a href="#">Uvs Lake</a>                             | Uvs                     | MN009  | 50.20    | 92.28     | 100,000                 | Y                                |
| Mongolia | <a href="#">Uvsiin Khar Lake</a>                     | Uvs                     | MN011  | 49.08    | 91.92     | 13,601                  | Y                                |
| Mongolia | <a href="#">Khomiin Tal</a>                          | Zavkhan                 | MN017  | 48.22    | 93.67     | 35,600                  | Y                                |
| Mongolia | <a href="#">Oigon Lake</a>                           | Zavkhan                 | MN020  | 49.12    | 96.60     | 20,189                  | Y                                |
| Mongolia | <a href="#">Otgontenger Mountain</a>                 | Zavkhan                 | MN022  | 47.67    | 97.50     | 95,500                  | Y                                |
| Mongolia | <a href="#">Santmargatsyn Bayan Lake</a>             | Zavkhan                 | MN018  | 48.45    | 95.12     | 14,800                  | Y                                |
| Mongolia | <a href="#">Telmen Lake</a>                          | Zavkhan                 | MN021  | 48.93    | 99.35     | 51,600                  | Y                                |
| Mongolia | <a href="#">Ulaagchinii Khar Lake</a>                | Zavkhan                 | MN019  | 48.33    | 96.10     | 13,439                  | Y                                |
| Mongolia | <a href="#">Ikh Bogd Mountain</a>                    |                         | MN027  | 44.96    | 100.37    | 86,440                  | Y                                |
| Mongolia | <a href="#">Khasagt Khaikhan Mountain</a>            |                         | MN024  | 46.75    | 95.80     | 28,309                  | Y                                |
| Mongolia | <a href="#">Taigam Lake</a>                          |                         | MN025  | 46.37    | 97.37     | 4,170                   | Y                                |
| Myanmar  | <a href="#">Moyingyi</a>                             | Bago                    | MM046  | 17.50    | 96.58     | 10,360                  | Y                                |
| Myanmar  | <a href="#">Bwe Pa</a>                               | Chin                    | MM036  | 22.17    | 93.42     | 40,000                  | Y                                |
| Myanmar  | <a href="#">Zeihamu Range</a>                        | Chin                    | MM035  | 22.75    | 93.58     | 4,050                   | Y                                |

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|---------|--|-------------------------|--------|----------|-----------|-------------------------|----------------------------------|
| Myanmar | <a href="#">Ayeyarwady River: Bhamo Section</a>                        | Kachin                  | MM013  | 24.17    | 97.17     | 23,300                  | Y                                |
| Myanmar | <a href="#">Ayeyarwady River: Myitkyina to Sinbo Section</a>           | Kachin                  | MM009  | 25.17    | 97.25     | 135,000                 | Y                                |
| Myanmar | <a href="#">Bumphabum</a>  | Kachin                  | MM003  | 26.32    | 97.32     | 175,000                 | Y                                |
| Myanmar | <a href="#">Hponkanrazi</a>  | Kachin                  | MM002  | 27.53    | 97.12     | 270,396                 | Y                                |
| Myanmar | <a href="#">Hukaung Valley</a>   | Kachin                  | MM005  | 26.18    | 96.00     | 615,000                 | Y                                |
| Myanmar | <a href="#">Indawgyi Lake Wildlife Sanctuary and surroundings</a>      | Kachin                  | MM008  | 25.17    | 96.33     | 90,000                  | Y                                |
| Myanmar | <a href="#">Kamaing</a>  | Kachin                  | MM006  | 25.50    | 96.75     | 15,000                  | Y                                |
| Myanmar | <a href="#">Myitkyina-Nandebad-Talawagyi</a>                           | Kachin                  | MM010  | 25.17    | 97.42     | 40,000                  | Y                                |
| Myanmar | <a href="#">Ninety-six Inns</a>  | Kachin                  | MM012  | 24.33    | 97.33     | 1,000                   | Y                                |
| Myanmar | <a href="#">Tanai River</a>  | Kachin                  | MM004  | 26.38    | 96.67     | 63,000                  | Y                                |
| Myanmar | <a href="#">Upper Mogaung Chaung basin</a>                             | Kachin                  | MM007  | 25.33    | 96.92     | 20,000                  | Y                                |
| Myanmar | <a href="#">Ayeyarwady River: Sinbyugyun to Minbu Section</a>          | Magway                  | MM041  | 20.37    | 94.78     | 14,240                  | Y                                |
| Myanmar | <a href="#">Taung Kan at Sedawgyi</a>                                  | Magway                  | MM028  | 22.20    | 96.22     | 50                      | Y                                |
| Myanmar | <a href="#">Ayeyarwady River: Bagan Section</a>                        | Mandalay                | MM027  | 22.18    | 94.83     | 7,500                   | Y                                |
| Myanmar | <a href="#">Chaungmagyi Reservoir</a>                                  | Mandalay                | MM032  | 20.60    | 95.88     | 850                     | Y                                |
| Myanmar | <a href="#">Kyee-ni Inn</a>  | Mandalay                | MM033  | 20.42    | 96.15     | 617                     | Y                                |
| Myanmar | <a href="#">Myittha Lakes</a>  | Mandalay                | MM030  | 21.38    | 95.97     | 10,000                  | Y                                |
| Myanmar | <a href="#">Nyaung Kan - Minhla Kan</a>                                | Mandalay                | MM031  | 20.85    | 96.02     | 2,033                   | Y                                |
| Myanmar | <a href="#">Peleik Inn</a>   | Mandalay                | MM029  | 21.83    | 96.05     | 50                      | Y                                |
| Myanmar | <a href="#">Ayeyarwady River: Shwegu Section</a>                       | Sagaing                 | MM016  | 24.32    | 96.52     | 37,300                  | Y                                |
| Myanmar | <a href="#">Ayeyarwady River: Singu Section</a>                        | Sagaing                 | MM021  | 22.55    | 95.98     | 3,000                   | Y                                |
| Myanmar | <a href="#">Chatthin</a>   | Sagaing                 | MM018  | 23.53    | 95.65     | 26,936                  | Y                                |
| Myanmar | <a href="#">Htamanthi</a>  | Sagaing                 | MM014  | 25.43    | 95.62     | 215,074                 | Y                                |
| Myanmar | <a href="#">Mahanandar Kan</a>   | Sagaing                 | MM020  | 22.60    | 95.70     | 425                     | Y                                |
| Myanmar | <a href="#">Uyu River</a>  | Sagaing                 | MM015  | 25.00    | 95.67     | 200,000                 | Y                                |
| Myanmar | <a href="#">Yemyet Inn</a>   | Sagaing                 | MM022  | 22.02    | 95.88     | 5,180                   | Y                                |
| Myanmar | <a href="#">Nantha Island</a>  |                         | MM057  | 20.24    | 92.73     | 1,107                   | Y                                |
| Nepal   | <a href="#">Langtang National Park</a>                                 | Bagmati                 | NP013  | 28.17    | 85.63     | 171,000                 | Y                                |
| Nepal   | <a href="#">Phulchoki Mountain forests</a>                             | Bagmati                 | NP019  | 27.62    | 85.27     | 5,000                   | Y                                |
| Nepal   | <a href="#">Shivapuri-Nagarjun National Park</a>                       | Bagmati                 | NP024  | 27.80    | 85.33     | 15,900                  | Y                                |
| Nepal   | <a href="#">Bardia National Park</a>                                   | Bheri                   | NP003  | 28.47    | 81.47     | 96,800                  | Y                                |
| Nepal   | <a href="#">Dang Deukhuri foothill forests and west Rapti wetlands</a> | Bheri   Lumbini   Rapti | NP005  | 27.83    | 82.42     | 150,000                 | Y                                |
| Nepal   | <a href="#">Annapurna Conservation Area</a>                            | Dhawalagiri   Gandaki   | NP001  | 28.53    | 84.00     | 762,900                 | Y                                |
| Nepal   | <a href="#">Dhorpatan Hunting Reserve</a>                              | Dhawalagiri   Rapti     | NP007  | 28.60    | 83.00     | 132,500                 | Y                                |
| Nepal   | <a href="#">Rampur valley</a>  | Gandaki   Lumbini       | NP020  | 27.85    | 83.90     | 3,000                   | Y                                |
| Nepal   | <a href="#">Rara National Park</a>                                     | Karnali                 | NP021  | 29.57    | 82.08     | 10,600                  | Y                                |
| Nepal   | <a href="#">Shey-Phoksundo National Park</a>                           | Karnali                 | NP023  | 29.43    | 82.93     | 355,500                 | Y                                |
| Nepal   | <a href="#">Dharan forests</a>   | Koshi                   | NP006  | 26.82    | 87.28     | 50,000                  | Y                                |
| Nepal   | <a href="#">Makalu Barun National Park</a>                             | Koshi                   | NP016  | 27.75    | 87.00     | 150,000                 | Y                                |
| Nepal   | <a href="#">Tamur valley and watershed</a>                             | Koshi                   | NP026  | 26.85    | 87.17     | 20,000                  | Y                                |
| Nepal   | <a href="#">Urlabari forest groves</a>                                 | Koshi                   | NP027  | 26.66    | 87.60     | 100                     | Y                                |
| Nepal   | <a href="#">Koshi Tappu Wildlife Reserve and Koshi Barrage</a>         | Koshi   Sagarmatha      | NP012  | 26.58    | 87.07     | 21,000                  | Y                                |
| Nepal   | <a href="#">Farmlands in Lumbini area</a>                              | Lumbini                 | NP014  | 27.48    | 83.28     | 141,367                 | Y                                |
| Nepal   | <a href="#">Jagdishpur Reservoir</a>                                   | Lumbini                 | NP009  | 27.62    | 83.10     | 225                     | Y                                |
| Nepal   | <a href="#">Nawalparasi forests</a>                                    | Lumbini                 | NP017  | 27.55    | 83.00     | 4,000                   | Y                                |
| Nepal   | <a href="#">Sukla Phanta Wildlife Reserve</a>                          | Mahakali                | NP025  | 28.88    | 80.18     | 30,500                  | Y                                |

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| Nepal    | <a href="#">Kanchenjunga Conservation Area</a>          | Mechi                     | NP010  | 27.70    | 88.13     | 203,500                 | Y                                |
| Nepal    | <a href="#">Mai Valley forests</a>                      | Mechi                     | NP015  | 26.89    | 88.07     | 30,000                  | Y                                |
| Nepal    | <a href="#">Barandabhar forests and wetlands</a>        | Narayani                  | NP002  | 27.67    | 84.17     | 12,300                  | Y                                |
| Nepal    | <a href="#">Chitwan National Park</a>                   | Narayani                  | NP004  | 27.47    | 84.33     | 93,200                  | Y                                |
| Nepal    | <a href="#">Parsa Wildlife Reserve</a>                  | Narayani                  | NP018  | 27.47    | 84.33     | 49,900                  | Y                                |
| Nepal    | <a href="#">Sagarmatha National Park</a>                | Sagarmatha                | NP022  | 27.93    | 86.80     | 114,800                 | Y                                |
| Nepal    | <a href="#">Ghodaghodi Lake</a>                         | Seti                      | NP008  | 28.68    | 80.93     | 5,000                   | Y                                |
| Nepal    | <a href="#">Khaptad National Park</a>                   | Seti                      | NP011  | 29.37    | 81.12     | 22,500                  | Y                                |
| Oman     | <a href="#">Jabal al Akhdar</a>                         | Ad Dakhliyah   Al Batinah | OM014  | 23.12    | 57.67     | 187,000                 | Y                                |
| Oman     | <a href="#">Al Batinah coast</a>                        | Al Batinah                | OM006  | 24.05    | 57.03     | 9,000                   | Y                                |
| Oman     | <a href="#">Khawr Shinas and Khawr Liwa</a>             | Al Batinah                | OM004  | 24.65    | 56.52     | 4,400                   | Y                                |
| Oman     | <a href="#">Sun Farms, Sohar</a>                        | Al Batinah                | OM005  | 24.32    | 56.75     | 500                     | Y                                |
| Oman     | <a href="#">Duqm</a>                                    | Al Wusta                  | OM020  | 19.67    | 57.68     | 1,000                   | Y                                |
| Oman     | <a href="#">Hamr an Nafur</a>                           | Al Wusta                  | OM018  | 19.80    | 57.80     | 12                      | Y                                |
| Oman     | <a href="#">Jiddat al Harasis</a>                       | Al Wusta                  | OM019  | 19.75    | 56.50     | 2,750,000               | Y                                |
| Oman     | <a href="#">Khawr Ghawi</a>                             | Al Wusta                  | OM023  | 18.57    | 56.63     | 1,000                   | Y                                |
| Oman     | <a href="#">Khor Dirif</a>                              | Al Wusta                  | OM021  | 18.93    | 57.35     | 100                     | Y                                |
| Oman     | <a href="#">Barr al Hikman</a>                          | Al Wusta   Ash Sharqiyah  | OM016  | 20.63    | 58.43     | 290,000                 | Y                                |
| Oman     | <a href="#">Masirah island</a>                          | Ash Sharqiyah             | OM017  | 20.42    | 58.78     | 109,500                 | Y                                |
| Oman     | <a href="#">Ras al Hadd</a>                             | Ash Sharqiyah             | OM015  | 22.53    | 59.77     | 2,000                   | Y                                |
| Oman     | <a href="#">Halaaniyaat Islands</a>                     | Dhofar                    | OM024  | 17.50    | 55.97     | 10,200                  | Y                                |
| Oman     | <a href="#">Jabal Qamar</a>                             | Dhofar                    | OM033  | 16.80    | 53.33     | 65,100                  | Y                                |
| Oman     | <a href="#">Jazirat Hino</a>                            | Dhofar                    | OM031  | 16.95    | 54.73     | 50                      | Y                                |
| Oman     | <a href="#">Khawr ad Dahariz</a>                        | Dhofar                    | OM029  | 17.02    | 54.18     | 150                     | Y                                |
| Oman     | <a href="#">Khawr Hassan</a>                            | Dhofar                    | OM028  | 17.03    | 54.38     | 300                     | Y                                |
| Oman     | <a href="#">Khawr Rouri</a>                             | Dhofar                    | OM027  | 17.03    | 54.43     | 1,100                   | Y                                |
| Oman     | <a href="#">Khor Mughsayl</a>                           | Dhofar                    | OM032  | 16.88    | 53.78     | 100                     | Y                                |
| Oman     | <a href="#">Salalah Bird Sanctuary</a>                  | Dhofar                    | OM030  | 17.00    | 54.07     | 200                     | Y                                |
| Oman     | <a href="#">Wadi Darbat</a>                             | Dhofar                    | OM026  | 17.10    | 54.45     | 78,000                  | Y                                |
| Oman     | <a href="#">Musandam (mainland)</a>                     | Musandam                  | OM002  | 26.00    | 56.25     | 163,500                 | Y                                |
| Oman     | <a href="#">Musandam islands</a>                        | Musandam                  | OM001  | 26.22    | 56.48     | 1,000                   | Y                                |
| Oman     | <a href="#">Bandar Jussah</a>                           | Muscat                    | OM011  | 23.55    | 58.65     | 700                     | Y                                |
| Oman     | <a href="#">Daymaniyat Islands</a>                      | Muscat                    | OM007  | 23.85    | 58.08     | 20,300                  | Y                                |
| Oman     | <a href="#">Fahl Island</a>                             | Muscat                    | OM009  | 23.68    | 58.50     | 600                     | Y                                |
| Oman     | <a href="#">Quriyat - Daghmar</a>                       | Muscat                    | OM013  | 23.23    | 58.97     | 1,000                   | Y                                |
| Oman     | <a href="#">Qurm Nature Reserve</a>                     | Muscat                    | OM010  | 23.62    | 58.47     | 100                     | Y                                |
| Oman     | <a href="#">Ra's Abu Da'ud</a>                          | Muscat                    | OM012  | 23.32    | 58.92     | 1,500                   | Y                                |
| Pakistan | <a href="#">Miani Ho</a>                                | Balochistan               |        | 25°24'N  | 066°06'E  | 55,000                  | C                                |
| Pakistan | <a href="#">Machiara National Park</a>                  | Kashmir                   | PK017  | 34.52    | 73.62     | 13,593                  | Y                                |
| Pakistan | <a href="#">Mangla Lake</a>                             | Kashmir                   | PK019  | 33.20    | 73.65     | 26,500                  | Y                                |
| Pakistan | <a href="#">Bijnote Bustard Game Reserve (proposed)</a> |                           | PK029  | 28.72    | 70.03     | 3,500                   | Y                                |
| Pakistan | <a href="#">Chashma Barrage Wildlife Sanctuary</a>      |                           | PK025  | 32.42    | 71.37     | 32,700                  | Y                                |
| Pakistan | <a href="#">Deh Akro Wildlife Sanctuary</a>             |                           | PK044  | 26.83    | 68.33     | 20,243                  | Y                                |
| Pakistan | <a href="#">Drigh Wildlife Sanctuary</a>                |                           | PK038  | 27.50    | 67.83     | 182                     | Y                                |
| Pakistan | <a href="#">Haleji Wildlife Sanctuary</a>               |                           | PK051  | 24.80    | 67.78     | 1,704                   | Y                                |
| Pakistan | <a href="#">Hammal Katchery Lake</a>                    |                           | PK039  | 27.38    | 67.92     | 1,000                   | Y                                |
| Pakistan | <a href="#">Head Qadirabad Game Reserve</a>             |                           | PK022  | 32.32    | 73.65     | 2,816                   | Y                                |

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| Pakistan       | <a href="#">Hingol National Park</a>   |                     | PK036  | 25.55    | 65.08     | 699,088                 | Y                                |
| Pakistan       | <a href="#">Indus Dolphin Reserve and Kandhkot wetlands</a>                            |                     | PK037  | 28.20    | 69.28     | 125,000                 | Y                                |
| Pakistan       | <a href="#">Indus Waterfowl Refuge</a>   |                     | PK015  | 31.83    | 70.90     | 3,774                   | Y                                |
| Pakistan       | <a href="#">Jiwani Beaches and Dasht Kaur</a>  |                     | PK035  | 25.05    | 61.75     | 4,600                   | Y                                |
| Pakistan       | <a href="#">Jubo Ramsar Site</a>   |                     | PK052  | 24.33    | 68.67     | 706                     | Y                                |
| Pakistan       | <a href="#">Kargah Wildlife Sanctuary</a>  |                     | PK005  | 35.93    | 74.10     | 44,308                  | Y                                |
| Pakistan       | <a href="#">Keti Bundar North Wildlife Sanctuary</a>                                   |                     | PK049  | 24.42    | 67.63     | 8,948                   | Y                                |
| Pakistan       | <a href="#">Kinjhar (Kalri) Wildlife Sanctuary</a>                                     |                     | PK048  | 24.93    | 68.05     | 13,468                  | Y                                |
| Pakistan       | <a href="#">Kirthar National Park (including Hub Dam)</a>                              |                     | PK046  | 25.75    | 67.50     | 308,773                 | Y                                |
| Pakistan       | <a href="#">Kurram River system</a>  |                     | PK014  | 32.62    | 70.50     | 12,516                  | Y                                |
| Pakistan       | <a href="#">Lal Sohanra National Park</a>  |                     | PK028  | 29.37    | 71.95     | 51,588                  | Y                                |
| Pakistan       | <a href="#">Manchar Lake</a>   |                     | PK045  | 26.42    | 67.65     | 6,000                   | Y                                |
| Pakistan       | <a href="#">Marala Game Reserve</a>  |                     | PK020  | 32.75    | 74.52     | 5,400                   | Y                                |
| Pakistan       | <a href="#">Mehboob Shah Lake</a>  |                     | PK050  | 24.42    | 67.98     | 100                     | Y                                |
| Pakistan       | <a href="#">Mehrano Reserve Lake and Rohri canal wetlands</a>                          |                     | PK041  | 27.42    | 68.62     | 200                     | Y                                |
| Pakistan       | <a href="#">Naltar Wildlife Sanctuary</a>  |                     | PK004  | 36.12    | 74.23     | 16,842                  | Y                                |
| Pakistan       | <a href="#">Nara canal wetlands (including Soonhari, Sadhori and Sanghriaro lakes)</a> |                     | PK043  | 26.20    | 69.12     | 109,966                 | Y                                |
| Pakistan       | <a href="#">Nara Desert Wildlife Sanctuary</a>   |                     | PK042  | 27.13    | 69.32     | 223,590                 | Y                                |
| Pakistan       | <a href="#">Naran Reserved Forest to Saif-ul-Maluk lake</a>                            |                     | PK010  | 34.90    | 73.67     | 3,000                   | Y                                |
| Pakistan       | <a href="#">Nar-ri Ramsar Site</a>   |                     | PK053  | 24.50    | 68.78     | 2,540                   | Y                                |
| Pakistan       | <a href="#">Outer Indus delta</a>  |                     | PK047  | 24.50    | 67.33     | 300,000                 | Y                                |
| Pakistan       | <a href="#">Palas valley</a>   |                     | PK009  | 35.10    | 73.30     | 141,301                 | Y                                |
| Pakistan       | <a href="#">Phoosna Wetlands Complex</a>   |                     | PK054  | 24.80    | 68.90     | 800                     | Y                                |
| Pakistan       | <a href="#">Pugri Lake</a>   |                     | PK040  | 27.30    | 68.05     | 500                     | Y                                |
| Pakistan       | <a href="#">Rangla wetland complex</a>   |                     | PK027  | 30.22    | 71.12     | 24,140                  | Y                                |
| Pakistan       | <a href="#">Rann of Kutch Wildlife Sanctuary</a>                                       |                     | PK055  | 24.60    | 69.93     | 566,375                 | Y                                |
| Pakistan       | <a href="#">Rasool Barrage Wildlife Sanctuary</a>                                      |                     | PK021  | 32.72    | 73.55     | 1,125                   | Y                                |
| Pakistan       | <a href="#">Salkala Wildlife Sanctuary</a>   |                     | PK018  | 34.55    | 73.90     | 1,000                   | Y                                |
| Pakistan       | <a href="#">Taunsa Barrage Wildlife Sanctuary</a>                                      |                     | PK026  | 30.70    | 70.83     | 6,567                   | Y                                |
| Pakistan       | <a href="#">Ucchali Wetland Complex</a>  |                     | PK024  | 32.55    | 72.02     | 1,243                   | Y                                |
| Pakistan       | <a href="#">Zangi Nawar</a>  |                     | PK033  | 29.43    | 65.77     | 2,070                   | Y                                |
| Qatar          | <a href="#">Al-Aliyah island</a>   | Ad Dawhah           | QA002  | 25.35    | 51.57     | 65                      | Y                                |
| Qatar          | <a href="#">Shara'awh island</a>   | Ad Dawhah           | QA003  | 25.03    | 52.25     | 22                      | Y                                |
| Qatar          | <a href="#">Al-Ashat islands</a>   | Jariyan al Batnah   | QA004  | 24.72    | 51.60     | 62                      | Y                                |
| Qatar          | <a href="#">Khor al-Udeid</a>  | Jariyan al Batnah   | QA005  | 24.63    | 51.28     | 12,000                  | Y                                |
| Russia (Asian) | <a href="#">Amur valley near Blagoveshensk</a>   | Amur                | RU3151 | 49.93    | 127.62    | 34,000                  | Y                                |
| Russia (Asian) | <a href="#">Belozersk lakes</a>  | Buryatia            | RU3049 | 50.59    | 105.77    | 6,780                   | Y                                |
| Russia (Asian) | <a href="#">North Baikal wetlands</a>  | Buryatia            | RU3052 | 55.95    | 110.90    | 210,796                 | Y                                |
| Russia (Asian) | <a href="#">Northern slope of Khamar-Daban mountains</a>                               | Buryatia            | RU3048 | 51.37    | 105.23    | 169,100                 | Y                                |
| Russia (Asian) | <a href="#">Selenga delta</a>  | Buryatia            | RU3050 | 52.27    | 106.46    | 56,561                  | Y                                |
| Russia (Asian) | <a href="#">Svyatoi Nos area</a>   | Buryatia            | RU3051 | 53.64    | 109.07    | 53,085                  | Y                                |
| Russia (Asian) | <a href="#">Tunkin valley</a>  | Buryatia            | RU3047 | 51.54    | 102.42    | 1,178,550               | Y                                |
| Russia (Asian) | <a href="#">Valley of Barguzin</a>   | Buryatia            | RU3054 | 54.08    | 110.28    | 45,000                  | Y                                |
| Russia (Asian) | <a href="#">Angara river source</a>  | Irkutsk             | RU3044 | 52.37    | 104.20    | 29,965                  | Y                                |
| Russia (Asian) | <a href="#">Balaganskaya steppe</a>  | Irkutsk             | RU3043 | 53.74    | 102.93    | 173,710                 | Y                                |



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| Russia (Asian) | <a href="#">Barluksko-Sayanskaya floodplain of Oka river and Kuitunskaya foreststeppe</a> | Irkutsk             | RU3172 | 54.42    | 101.80    | 116,150                 | Y                                |
| Russia (Asian) | <a href="#">Ol'khon area</a>  | Irkutsk             | RU3046 | 53.16    | 107.20    | 206,040                 | Y                                |
| Russia (Asian) | <a href="#">South Baikal migratory corridor</a>   | Irkutsk             | RU3045 | 51.79    | 104.28    | 8,095                   | Y                                |
| Russia (Asian) | <a href="#">Batanakovskiy swamps</a>  | Khakassia           | RU3026 | 54.62    | 89.49     | 2,420                   | Y                                |
| Russia (Asian) | <a href="#">Trekhozerki lakes</a>   | Khakassia           | RU3033 | 53.32    | 91.50     | 1,477                   | Y                                |
| Russia (Asian) | <a href="#">Ulukhkol' lake</a>  | Khakassia           | RU3031 | 53.81    | 90.67     | 2,150                   | Y                                |
| Russia (Asian) | <a href="#">Bol'shoye Konoshchel'ye island and adjacent Yenisey river floodplain</a>      | Krasnoyarsk         | RU3019 | 66.26    | 87.47     | 37,595                  | Y                                |
| Russia (Asian) | <a href="#">Kezhma archipelago, Angara river</a>  | Krasnoyarsk         | RU3023 | 58.91    | 101.85    | 45,660                  | Y                                |
| Russia (Asian) | <a href="#">Kosogol' lake</a>   | Krasnoyarsk         | RU3025 | 55.56    | 89.74     | 20,107                  | Y                                |
| Russia (Asian) | <a href="#">Perovo lake</a>   | Krasnoyarsk         | RU3170 | 53.31    | 92.04     | 13,960                  | Y                                |
| Russia (Asian) | <a href="#">Sayanski canyon of the Enisey river</a>                                       | Krasnoyarsk         | RU3171 | 52.24    | 92.32     | 109,000                 | Y                                |
| Russia (Asian) | <a href="#">Tyukhtet-Shadat marshes</a>   | Krasnoyarsk         | RU3024 | 53.26    | 93.50     | 11,841                  | Y                                |
| Russia (Asian) | <a href="#">Upper and middle Nizhnyaya Baikha river</a>                                   | Krasnoyarsk         | RU3018 | 64.87    | 86.70     | 538,500                 | Y                                |
| Russia (Asian) | <a href="#">Vorogovo archipelago, Yenisey river</a>                                       | Krasnoyarsk         | RU3021 | 61.22    | 89.55     | 32,510                  | Y                                |
| Russia (Asian) | <a href="#">Yeloguy-Artyugina interfluve</a>  | Krasnoyarsk         | RU3020 | 63.17    | 87.38     | 91,265                  | Y                                |
| Russia (Asian) | <a href="#">Abyy lowland</a>  | Sakha (Yakutia)     | RU3073 | 68.11    | 144.49    | 1,185,865               | Y                                |
| Russia (Asian) | <a href="#">Anabar</a>  | Sakha (Yakutia)     | RU3059 | 70.57    | 112.96    | 212,300                 | Y                                |
| Russia (Asian) | <a href="#">Forty Islands</a>   | Sakha (Yakutia)     | RU3064 | 64.61    | 125.47    | 457,072                 | Y                                |
| Russia (Asian) | <a href="#">Kytalyk</a>   | Sakha (Yakutia)     | RU3072 | 71.34    | 146.86    | 5,336,800               | Y                                |
| Russia (Asian) | <a href="#">Lena delta</a>  | Sakha (Yakutia)     | RU3062 | 72.82    | 126.57    | 3,220,000               | Y                                |
| Russia (Asian) | <a href="#">Muna-Besyuke</a>  | Sakha (Yakutia)     | RU3063 | 69.10    | 124.28    | 565,900                 | Y                                |
| Russia (Asian) | <a href="#">Preobrazheniya island</a>   | Sakha (Yakutia)     | RU3058 | 74.65    | 112.95    | 3,500                   | Y                                |
| Russia (Asian) | <a href="#">San-Yuryakh</a>   | Sakha (Yakutia)     | RU3069 | 72.32    | 141.23    | 799,800                 | Y                                |
| Russia (Asian) | <a href="#">Terpyey-Tumus</a>   | Sakha (Yakutia)     | RU3060 | 73.50    | 117.15    | 286,550                 | Y                                |
| Russia (Asian) | <a href="#">Yana delta</a>  | Sakha (Yakutia)     | RU3067 | 71.38    | 139.09    | 2,112,150               | Y                                |
| Russia (Asian) | <a href="#">Brekhovskiy islands</a>   | Taymyr              | RU3004 | 70.56    | 82.16     | 940,000                 | Y                                |
| Russia (Asian) | <a href="#">Dudypta river plains</a>  | Taymyr              | RU3007 | 71.53    | 93.52     | 1,260,000               | Y                                |
| Russia (Asian) | <a href="#">Gorbita river</a>   | Taymyr              | RU3010 | 72.94    | 95.11     | 160,450                 | Y                                |
| Russia (Asian) | <a href="#">Gusikha river basin and lower Balakhnya river</a>                             | Taymyr              | RU3015 | 73.90    | 106.35    | 320,000                 | Y                                |
| Russia (Asian) | <a href="#">Izvestiy Tsik islands</a>   | Taymyr              | RU3003 | 75.92    | 82.35     | 69,896                  | Y                                |
| Russia (Asian) | <a href="#">Khara-Tumus peninsula and Nordvik bay</a>                                     | Taymyr              | RU3016 | 73.78    | 110.96    | 182,500                 | Y                                |
| Russia (Asian) | <a href="#">Kurluska lake and middle Boganida valley</a>                                  | Taymyr              | RU3009 | 71.48    | 97.04     | 800,000                 | Y                                |
| Russia (Asian) | <a href="#">Lower Nizhnyaya Taymyra river</a>   | Taymyr              | RU3012 | 76.04    | 99.73     | 140,000                 | Y                                |
| Russia (Asian) | <a href="#">Lower Verkhnyaya Taymyra river</a>  | Taymyr              | RU3013 | 74.31    | 100.32    | 142,020                 | Y                                |
| Russia (Asian) | <a href="#">Oleniy island and Yuratskaya bay</a>  | Taymyr              | RU3001 | 72.32    | 77.91     | 297,500                 | Y                                |
| Russia (Asian) | <a href="#">Pura river basin</a>  | Taymyr              | RU3005 | 72.14    | 87.25     | 2,530,500               | Y                                |
| Russia (Asian) | <a href="#">Pyasina delta</a>   | Taymyr              | RU3006 | 73.81    | 87.07     | 360,000                 | Y                                |
| Russia (Asian) | <a href="#">Sibiryakova island</a>  | Taymyr              | RU3002 | 72.86    | 79.17     | 125,000                 | Y                                |
| Russia (Asian) | <a href="#">Volochanka river basin</a>  | Taymyr              | RU3008 | 70.69    | 93.85     | 275,000                 | Y                                |
| Russia (Asian) | <a href="#">Agar-Dag</a>  | Tuva                | RU3039 | 50.26    | 94.55     | 21,165                  | Y                                |
| Russia (Asian) | <a href="#">Artysh ridge</a>  | Tuva                | RU3035 | 51.48    | 89.88     | 19,030                  | Y                                |
| Russia (Asian) | <a href="#">Azas Nature Reserve</a>   | Tuva                | RU3042 | 52.53    | 97.50     | 353,300                 | Y                                |
| Russia (Asian) | <a href="#">Khadyn lake</a>   | Tuva                | RU3038 | 51.33    | 94.53     | 3,320                   | Y                                |
| Russia (Asian) | <a href="#">Oruku-Shina</a>   | Tuva                | RU3037 | 50.64    | 93.17     | 13,940                  | Y                                |
| Russia (Asian) | <a href="#">Sayan reservoir (Tuva part)</a>   | Tuva                | RU3036 | 51.58    | 92.63     | 25,660                  | Y                                |
| Russia (Asian) | <a href="#">Tere-Khol' lake</a>   | Tuva                | RU3040 | 50.06    | 95.08     | 5,575                   | Y                                |
| Russia (Asian) | <a href="#">Aginskiye lakes</a>   | Zabaykal'ye (Chita) | RU3173 | 50.74    | 115.01    | 201,630                 | Y                                |

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| Russia (Asian)         | <a href="#">Argun' river</a>  | Zabaykal'ye (Chita)                | RU3057 | 49.96    | 118.74    | 90,930                  | Y                                |
| Russia (Asian)         | <a href="#">Bain-Tsaganskiye lakes</a>                                    | Zabaykal'ye (Chita)                | RU3174 | 50.31    | 115.28    | 209,810                 | Y                                |
| Russia (Asian)         | <a href="#">Lowland swamps in the valley of Tungur and Nenyuga rivers</a> | Zabaykal'ye (Chita)                | RU3176 | 54.81    | 121.12    | 394,000                 | Y                                |
| Russia (Asian)         | <a href="#">Middle Onon</a>   | Zabaykal'ye (Chita)                | RU3175 | 49.76    | 112.37    | 583,500                 | Y                                |
| Russia (Asian)         | <a href="#">Torey lakes</a>   | Zabaykal'ye (Chita)                | RU3055 | 50.11    | 115.67    | 203,000                 | Y                                |
| Russia (Asian)         | <a href="#">Uruł'guveem hollow</a>  | Zabaykal'ye (Chita)                | RU3056 | 50.41    | 117.40    | 134,900                 | Y                                |
| Russia (Central Asian) | <a href="#">Dzhulukul' depression</a>                                     | Altay Republic                     | RU2133 | 50.51    | 89.49     | 137,000                 | Y                                |
| Russia (Central Asian) | <a href="#">Kanskaya Steppe</a>   | Altay Republic                     | RU2136 | 50.89    | 84.85     | 209,900                 | Y                                |
| Russia (Central Asian) | <a href="#">Kurkure mountain</a>  | Altay Republic                     | RU2130 | 51.00    | 88.37     | 125,900                 | Y                                |
| Russia (Central Asian) | <a href="#">Plateau Ukok</a>  | Altay Republic                     | RU2131 | 49.31    | 87.57     | 252,900                 | Y                                |
| Russia (Central Asian) | <a href="#">Shapshal ridge</a>  | Altay Republic                     | RU2134 | 50.91    | 89.10     | 56,400                  | Y                                |
| Russia (Central Asian) | <a href="#">Teletskoye lake</a>   | Altay Republic                     | RU2132 | 51.58    | 87.70     | 110,700                 | Y                                |
| Russia (Central Asian) | <a href="#">Tundyt mountain</a>   | Altay Republic                     | RU2135 | 50.74    | 88.45     | 9,900                   | Y                                |
| Russia (Central Asian) | <a href="#">Aleyskaya</a>   | Altayski kray                      | RU2128 | 50.90    | 82.13     | 75,500                  | Y                                |
| Russia (Central Asian) | <a href="#">Anuyskaya</a>   | Altayski kray                      | RU2120 | 51.79    | 84.48     | 359,100                 | Y                                |
| Russia (Central Asian) | <a href="#">Biyskiye pine forests</a>                                     | Altayski kray                      | RU2127 | 52.59    | 86.01     | 94,800                  | Y                                |
| Russia (Central Asian) | <a href="#">Blagoveschenskaya (Kulunda lake and vicinity)</a>             | Altayski kray                      | RU2111 | 53.01    | 79.67     | 134,400                 | Y                                |
| Russia (Central Asian) | <a href="#">Bobrovsko-Rasskazikhinskaya</a>                               | Altayski kray                      | RU2115 | 53.08    | 83.79     | 42,000                  | Y                                |
| Russia (Central Asian) | <a href="#">Bol'shoje Topol'noye lake</a>                                 | Altayski kray                      | RU2109 | 53.33    | 78.04     | 23,300                  | Y                                |
| Russia (Central Asian) | <a href="#">Bystroistokskaya</a>  | Altayski kray                      | RU2113 | 52.50    | 84.42     | 23,500                  | Y                                |
| Russia (Central Asian) | <a href="#">Charyshskaya</a>  | Altayski kray                      | RU2129 | 51.47    | 83.26     | 159,800                 | Y                                |
| Russia (Central Asian) | <a href="#">Dresvyanskaya</a>   | Altayski kray                      | RU2118 | 53.95    | 81.39     | 9,300                   | Y                                |
| Russia (Central Asian) | <a href="#">Gornaya Kolyvan'</a>  | Altayski kray                      | RU2124 | 51.33    | 82.24     | 52,800                  | Y                                |
| Russia (Central Asian) | <a href="#">Kharitonovsky complex of lakes and marshes</a>                | Altayski kray                      | RU2121 | 53.07    | 81.01     | 32,200                  | Y                                |
| Russia (Central Asian) | <a href="#">Korgonskaya</a>   | Altayski kray                      | RU2116 | 50.87    | 84.12     | 180,500                 | Y                                |
| Russia (Central Asian) | <a href="#">Krasnoschekovskaya</a>  | Altayski kray                      | RU2125 | 51.87    | 82.72     | 94,600                  | Y                                |
| Russia (Central Asian) | <a href="#">Kulundinskaya forest band</a>                                 | Altayski kray                      | RU2126 | 53.05    | 81.45     | 88,400                  | Y                                |
| Russia (Central Asian) | <a href="#">Lebedinoje and Svetloje lakes</a>                             | Altayski kray                      | RU2112 | 52.30    | 85.69     | 2,500                   | Y                                |
| Russia (Central Asian) | <a href="#">Loktevsкая</a>  | Altayski kray                      | RU2122 | 51.15    | 81.63     | 52,800                  | Y                                |
| Russia (Central Asian) | <a href="#">Nizhnechumyshskaya</a>  | Altayski kray                      | RU2114 | 53.54    | 83.12     | 10,900                  | Y                                |
| Russia (Central Asian) | <a href="#">Ozersky pine forest</a>                                       | Altayski kray                      | RU2110 | 53.53    | 83.51     | 59,600                  | Y                                |
| Russia (Central Asian) | <a href="#">Proslaukhinskaya</a>  | Altayski kray                      | RU2117 | 53.40    | 81.05     | 101,400                 | Y                                |
| Russia (Central Asian) | <a href="#">Taldair mountain</a>  | Altayski kray                      | RU2137 | 49.91    | 89.36     | 206,100                 | Y                                |
| Russia (Central Asian) | <a href="#">Uzkaya Steppe</a>   | Altayski kray                      | RU2119 | 51.63    | 80.28     | 1,200,000               | Y                                |
| Russia (Central Asian) | <a href="#">Yel'tsovskaya</a>   | Altayski kray                      | RU2108 | 53.39    | 86.69     | 27,300                  | Y                                |
| Russia (Central Asian) | <a href="#">Burlinskaya forest band</a>                                   | Altayski kray   Novosibirsk region | RU2123 | 54.00    | 80.84     | 113,000                 | Y                                |
| Russia (Central Asian) | <a href="#">Karakansky pine forest</a>                                    | Altayski kray   Novosibirsk region | RU2095 | 54.21    | 81.95     | 158,200                 | Y                                |
| Russia (Central Asian) | <a href="#">Birsuat</a>   | Chelyabinsk region                 | RU2031 | 52.18    | 60.35     | 38,500                  | Y                                |
| Russia (Central Asian) | <a href="#">Bol'shoj Sarykul' lake</a>                                    | Chelyabinsk region                 | RU2037 | 54.70    | 61.38     | 10,900                  | Y                                |
| Russia (Central Asian) | <a href="#">Butash and Gor'koye lakes</a>                                 | Chelyabinsk region                 | RU2034 | 54.58    | 62.09     | 6,200                   | Y                                |
| Russia (Central Asian) | <a href="#">Cheka mountain</a>  | Chelyabinsk region                 | RU2032 | 52.54    | 59.09     | 22,700                  | Y                                |
| Russia (Central Asian) | <a href="#">Ilmensky zapovednik</a>                                       | Chelyabinsk region                 | RU2029 | 55.15    | 60.25     | 30,300                  | Y                                |
| Russia (Central Asian) | <a href="#">Kochedytsky goose zakaznik</a>                                | Chelyabinsk region                 | RU2036 | 54.48    | 63.06     | 22,900                  | Y                                |
| Russia (Central Asian) | <a href="#">Kurlady Lake</a>  | Chelyabinsk region                 | RU2030 | 55.08    | 61.71     | 4,400                   | Y                                |
| Russia (Central Asian) | <a href="#">Mayan lake</a>  | Chelyabinsk region                 | RU2028 | 56.00    | 61.87     | 5,500                   | Y                                |

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| Russia (Central Asian) | <a href="#">Sources of the Bolshaya Karaganka and Syntasty rivers</a>                  | Chelyabinsk region                            | RU2033 | 52.62    | 59.84     | 203,900                 | Y                                |
| Russia (Central Asian) | <a href="#">Tirikul' and Kadkul' lakes</a>   | Chelyabinsk region                            | RU2038 | 55.58    | 62.25     | 3,400                   | Y                                |
| Russia (Central Asian) | <a href="#">Tri Gusikhi</a>  | Chelyabinsk region                            | RU2027 | 52.29    | 59.09     | 27,700                  | Y                                |
| Russia (Central Asian) | <a href="#">Tulak lake</a>   | Chelyabinsk region                            | RU2039 | 53.24    | 61.07     | 543                     | Y                                |
| Russia (Central Asian) | <a href="#">Katai lake</a>   | Chelyabinsk region   Kurgan region            | RU2035 | 55.25    | 62.05     | 800                     | Y                                |
| Russia (Central Asian) | <a href="#">Kuznetsky Alatau Zapovednik</a>  | Kemerovo region                               | RU2104 | 54.54    | 88.35     | 412,900                 | Y                                |
| Russia (Central Asian) | <a href="#">Shestakovskiy marshes</a>  | Kemerovo region                               | RU2105 | 55.83    | 87.91     | 15,500                  | Y                                |
| Russia (Central Asian) | <a href="#">Taezhno-Mikhaylovsky</a>   | Kemerovo region                               | RU2107 | 56.42    | 87.63     | 30,800                  | Y                                |
| Russia (Central Asian) | <a href="#">Ata-Anay Lake</a>  | Kemerovo region   Novosibirsk region          | RU2106 | 54.77    | 85.02     | 2,600                   | Y                                |
| Russia (Central Asian) | <a href="#">East slope of the Northern Ural</a>  | Khanty-Mantymanskiyski region                 | RU2011 | 63.40    | 59.63     | 260,000                 | Y                                |
| Russia (Central Asian) | <a href="#">Kondinskiye lakes</a>  | Khanty-Mantymanskiyski region                 | RU2008 | 60.90    | 63.58     | 43,900                  | Y                                |
| Russia (Central Asian) | <a href="#">Upper streams of Ob' river</a>   | Khanty-Mantymanskiyski region                 | RU2009 | 61.67    | 67.46     | 479,500                 | Y                                |
| Russia (Central Asian) | <a href="#">Verkhne-Kondinsky zakaznik</a>   | Khanty-Mantymanskiyski region                 | RU2012 | 61.11    | 63.45     | 241,600                 | Y                                |
| Russia (Central Asian) | <a href="#">Watershed of the Muly'm'ya and Bolshoy Tap rivers</a>                      | Khanty-Mantymanskiyski region                 | RU2010 | 60.62    | 65.19     | 539,500                 | Y                                |
| Russia (Central Asian) | <a href="#">Kondo-Alymskaya</a>  | Khanty-Mantymanskiyski region   Tyumen region | RU2013 | 59.18    | 67.69     | 256,230                 | Y                                |
| Russia (Central Asian) | <a href="#">Atyazh lakes</a>   | Kurgan region                                 | RU2061 | 56.42    | 63.37     | 2,700                   | Y                                |
| Russia (Central Asian) | <a href="#">Bol'shiye and Maliye Donki lakes</a>                                       | Kurgan region                                 | RU2042 | 54.56    | 64.37     | 14,300                  | Y                                |
| Russia (Central Asian) | <a href="#">Bol'shoye Pustoye lake</a>   | Kurgan region                                 | RU2045 | 55.12    | 63.05     | 4,400                   | Y                                |
| Russia (Central Asian) | <a href="#">Burekesken Lake</a>  | Kurgan region                                 | RU2058 | 54.78    | 63.25     | 920                     | Y                                |
| Russia (Central Asian) | <a href="#">Bykovo lake</a>  | Kurgan region                                 | RU2054 | 55.54    | 67.77     | 4,600                   | Y                                |
| Russia (Central Asian) | <a href="#">Chuburat Lake</a>  | Kurgan region                                 | RU2057 | 54.89    | 62.82     | 1,300                   | Y                                |
| Russia (Central Asian) | <a href="#">Flood-plain of Tobol river between mouths of the Uya and Ubagan rivers</a> | Kurgan region                                 | RU2040 | 54.36    | 64.44     | 16,800                  | Y                                |
| Russia (Central Asian) | <a href="#">Flood-plain of Tobol river near Lebedevka and Bugrovoye villages</a>       | Kurgan region                                 | RU2041 | 54.59    | 64.87     | 6,500                   | Y                                |
| Russia (Central Asian) | <a href="#">Gor'koye lake near Karas'ye village</a>                                    | Kurgan region                                 | RU2052 | 55.39    | 68.28     | 7,700                   | Y                                |
| Russia (Central Asian) | <a href="#">Gor'koye lake near Novotroitskoye village</a>                              | Kurgan region                                 | RU2044 | 55.39    | 67.95     | 5,100                   | Y                                |
| Russia (Central Asian) | <a href="#">Krutali Lake</a>   | Kurgan region                                 | RU2053 | 55.26    | 65.04     | 3,600                   | Y                                |
| Russia (Central Asian) | <a href="#">Kuktibiz lake</a>  | Kurgan region                                 | RU2060 | 55.12    | 62.31     | 2,000                   | Y                                |
| Russia (Central Asian) | <a href="#">Kurtan Lake</a>  | Kurgan region                                 | RU2056 | 55.75    | 67.14     | 16,600                  | Y                                |
| Russia (Central Asian) | <a href="#">Makushinsky Zakaznik</a>   | Kurgan region                                 | RU2046 | 55.25    | 67.38     | 8,712                   | Y                                |
| Russia (Central Asian) | <a href="#">Man'yass lake</a>  | Kurgan region                                 | RU2048 | 55.56    | 66.06     | 8,100                   | Y                                |
| Russia (Central Asian) | <a href="#">Mouth of the Uy river</a>  | Kurgan region                                 | RU2049 | 54.26    | 63.92     | 10,600                  | Y                                |
| Russia (Central Asian) | <a href="#">Peschanokoledinskaya</a>   | Kurgan region                                 | RU2063 | 55.93    | 62.80     | 2,600                   | Y                                |
| Russia (Central Asian) | <a href="#">Redut' pine forest</a>   | Kurgan region                                 | RU2051 | 54.69    | 64.87     | 11,600                  | Y                                |
| Russia (Central Asian) | <a href="#">Saltosarayskoye lake</a>   | Kurgan region                                 | RU2062 | 55.86    | 65.01     | 7,600                   | Y                                |
| Russia (Central Asian) | <a href="#">Schuch'ye lake</a>   | Kurgan region                                 | RU2064 | 55.62    | 67.49     | 8,600                   | Y                                |
| Russia (Central Asian) | <a href="#">Stekleney Lake</a>   | Kurgan region                                 | RU2055 | 55.87    | 67.24     | 5,300                   | Y                                |
| Russia (Central Asian) | <a href="#">Tobol pine forests near Proryvnoye village</a>                             | Kurgan region                                 | RU2050 | 54.38    | 64.42     | 6,800                   | Y                                |
| Russia (Central Asian) | <a href="#">Travykul' lake</a>   | Kurgan region                                 | RU2047 | 55.48    | 67.10     | 5,000                   | Y                                |
| Russia (Central Asian) | <a href="#">Uryadki Lake</a>   | Kurgan region                                 | RU2059 | 54.69    | 63.53     | 570                     | Y                                |
| Russia (Central Asian) | <a href="#">Chernoye Lake</a>  | Kurgan region   Tyumen region                 | RU2043 | 55.78    | 67.44     | 27,400                  | Y                                |

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| Russia (Central Asian) | <a href="#">Abushkan lake</a>                            | Novosibirsk region               | RU2096 | 54.56    | 76.29     | 7,500                   | Y                                |
| Russia (Central Asian) | <a href="#">Baganskiye Lakes</a>                         | Novosibirsk region               | RU2089 | 54.01    | 77.74     | 347,000                 | Y                                |
| Russia (Central Asian) | <a href="#">Elbanskiye islands (Obsky reservoir)</a>     | Novosibirsk region               | RU2092 | 54.31    | 81.77     | 900                     | Y                                |
| Russia (Central Asian) | <a href="#">Holes of the Karasuk river downstream</a>    | Novosibirsk region               | RU2090 | 53.54    | 77.61     | 25,470                  | Y                                |
| Russia (Central Asian) | <a href="#">Inder'</a>                                   | Novosibirsk region               | RU2091 | 54.49    | 79.92     | 10,600                  | Y                                |
| Russia (Central Asian) | <a href="#">Lake system near Lotoshnoye village</a>      | Novosibirsk region               | RU2099 | 54.18    | 78.87     | 29,800                  | Y                                |
| Russia (Central Asian) | <a href="#">Puchina area</a>                             | Novosibirsk region               | RU2101 | 53.69    | 77.56     | 10,300                  | Y                                |
| Russia (Central Asian) | <a href="#">Schuch'i lakes</a>                           | Novosibirsk region               | RU2102 | 55.25    | 77.72     | 23,500                  | Y                                |
| Russia (Central Asian) | <a href="#">Sibirskiye Lakes</a>                         | Novosibirsk region               | RU2098 | 54.56    | 77.15     | 12,400                  | Y                                |
| Russia (Central Asian) | <a href="#">Suzunsky pine forest</a>                     | Novosibirsk region               | RU2100 | 53.73    | 82.74     | 355,500                 | Y                                |
| Russia (Central Asian) | <a href="#">Ubinskoye Lake</a>                           | Novosibirsk region               | RU2097 | 55.44    | 80.11     | 111,900                 | Y                                |
| Russia (Central Asian) | <a href="#">Valley of the Berd' river</a>                | Novosibirsk region               | RU2093 | 54.56    | 83.86     | 75,300                  | Y                                |
| Russia (Central Asian) | <a href="#">Wetlands of Karasuk town</a>                 | Novosibirsk region               | RU2088 | 53.76    | 78.08     | 42,800                  | Y                                |
| Russia (Central Asian) | <a href="#">Yudinsky stretch</a>                         | Novosibirsk region               | RU2103 | 54.83    | 77.08     | 14,400                  | Y                                |
| Russia (Central Asian) | <a href="#">Zdvinsky zakaznik</a>                        | Novosibirsk region               | RU2094 | 54.56    | 78.95     | 23,700                  | Y                                |
| Russia (Central Asian) | <a href="#">Alabota lake</a>                             | Omsk region                      | RU2079 | 53.98    | 73.99     | 6,200                   | Y                                |
| Russia (Central Asian) | <a href="#">Busly lake</a>                               | Omsk region                      | RU2071 | 56.44    | 72.72     | 11,400                  | Y                                |
| Russia (Central Asian) | <a href="#">Ebeity lake</a>                              | Omsk region                      | RU2074 | 54.64    | 71.74     | 21,400                  | Y                                |
| Russia (Central Asian) | <a href="#">Flood-plain of the Tuy river</a>             | Omsk region                      | RU2078 | 57.82    | 73.99     | 57,700                  | Y                                |
| Russia (Central Asian) | <a href="#">Kileinoye bog</a>                            | Omsk region                      | RU2077 | 56.94    | 71.79     | 111,800                 | Y                                |
| Russia (Central Asian) | <a href="#">Kurtaily lake</a>                            | Omsk region                      | RU2080 | 55.89    | 73.19     | 11,200                  | Y                                |
| Russia (Central Asian) | <a href="#">Nefed'yev area and Chistogay lake</a>        | Omsk region                      | RU2076 | 56.09    | 73.22     | 13,400                  | Y                                |
| Russia (Central Asian) | <a href="#">Saltaim-Tenis lake</a>                       | Omsk region                      | RU2072 | 56.13    | 71.88     | 52,200                  | Y                                |
| Russia (Central Asian) | <a href="#">Seketovo, Rakhtovo and Artevo lakes</a>      | Omsk region                      | RU2081 | 57.33    | 72.47     | 184,000                 | Y                                |
| Russia (Central Asian) | <a href="#">Sibirskaya anabranh (Irtys flood-plain)</a>  | Omsk region                      | RU2073 | 54.08    | 74.84     | 9,800                   | Y                                |
| Russia (Central Asian) | <a href="#">Kurumbel'skaya steppe</a>                    | Omsk region   Novosibirsk region | RU2075 | 54.41    | 75.46     | 112,300                 | Y                                |
| Russia (Central Asian) | <a href="#">North flood-plain of the Ishim river</a>     | Omsk region   Tyumen region      | RU2070 | 56.67    | 70.52     | 163,000                 | Y                                |
| Russia (Central Asian) | <a href="#">Bol'shaya Indra lake</a>                     | Sverdlovsk region                | RU2025 | 58.47    | 65.26     | 35,900                  | Y                                |
| Russia (Central Asian) | <a href="#">Bol'shoy and Maly Akh lakes</a>              | Sverdlovsk region                | RU2023 | 59.15    | 64.13     | 10,500                  | Y                                |
| Russia (Central Asian) | <a href="#">Bol'shoy and Maly Vagilsky Tuman</a>         | Sverdlovsk region                | RU2016 | 60.04    | 62.25     | 74,900                  | Y                                |
| Russia (Central Asian) | <a href="#">Dikoye and Epanchino lakes</a>               | Sverdlovsk region                | RU2024 | 58.41    | 64.39     | 52,800                  | Y                                |
| Russia (Central Asian) | <a href="#">Istochnoye, Sredneye and Schuch'ye lakes</a> | Sverdlovsk region                | RU2026 | 57.85    | 65.14     | 27,000                  | Y                                |
| Russia (Central Asian) | <a href="#">Molebny Kamen' ridge</a>                     | Sverdlovsk region                | RU2021 | 61.22    | 59.46     | 24,300                  | Y                                |
| Russia (Central Asian) | <a href="#">Pelymsky Tuman</a>                           | Sverdlovsk region                | RU2015 | 59.94    | 63.32     | 230,600                 | Y                                |
| Russia (Central Asian) | <a href="#">Poyasovy Kamen' ridge</a>                    | Sverdlovsk region                | RU2022 | 61.95    | 59.55     | 108,100                 | Y                                |
| Russia (Central Asian) | <a href="#">Russkoye lake</a>                            | Sverdlovsk region                | RU2020 | 59.56    | 63.01     | 34,500                  | Y                                |
| Russia (Central Asian) | <a href="#">Visimsky zapovednik and vicinity</a>         | Sverdlovsk region                | RU2017 | 57.49    | 59.53     | 86,000                  | Y                                |
| Russia (Central Asian) | <a href="#">Vizhay river</a>                             | Sverdlovsk region                | RU2019 | 61.24    | 60.22     | 30,900                  | Y                                |
| Russia (Central Asian) | <a href="#">Zaikovo forest</a>                           | Sverdlovsk region                | RU2014 | 57.60    | 62.62     | 25,200                  | Y                                |
| Russia (Central Asian) | <a href="#">Zapovednik "Denezhkin Kamen'"</a>            | Sverdlovsk region                | RU2018 | 60.51    | 59.49     | 78,192                  | Y                                |
| Russia (Central Asian) | <a href="#">Baturino-Simansky area</a>                   | Tomsk region                     | RU2083 | 55.82    | 83.65     | 25,000                  | Y                                |
| Russia (Central Asian) | <a href="#">Kataiginskiye bogs</a>                       | Tomsk region                     | RU2085 | 58.75    | 87.40     | 13,000                  | Y                                |
| Russia (Central Asian) | <a href="#">Middle reaches of the Chulym river</a>       | Tomsk region                     | RU2084 | 57.48    | 88.83     | 20,300                  | Y                                |
| Russia (Central Asian) | <a href="#">Pershinsko-Manatkinsky area</a>              | Tomsk region                     | RU2082 | 57.31    | 84.22     | 16,100                  | Y                                |
| Russia (Central Asian) | <a href="#">Ust'-Ozerninskiye bogs</a>                   | Tomsk region                     | RU2086 | 58.96    | 87.70     | 6,300                   | Y                                |
| Russia (Central Asian) | <a href="#">Vodorazdel'naya</a>                          | Tomsk region                     | RU2087 | 59.10    | 88.49     | 23,200                  | Y                                |
| Russia (Central Asian) | <a href="#">Bol'shoye Beloye lake</a>                    | Tyumen region                    | RU2068 | 55.77    | 67.90     | 5,400                   | Y                                |

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|------------------------|---|---|--------|----------|-----------|-------------------------|----------------------------------|
| Russia (Central Asian) | <a href="#">Kaban'i lakes</a>                                   | Tyumen region   | RU2066 | 55.80    | 69.22     | 4,000                   | Y                                |
| Russia (Central Asian) | <a href="#">Kazanskaya flood-plain of the Ishim river</a>       | Tyumen region   | RU2065 | 55.55    | 69.36     | 22,200                  | Y                                |
| Russia (Central Asian) | <a href="#">Siverga lake</a>                                    | Tyumen region   | RU2067 | 55.42    | 68.76     | 7,500                   | Y                                |
| Russia (Central Asian) | <a href="#">Tundrovo lake</a>                                   | Tyumen region   | RU2069 | 55.66    | 68.79     | 2,900                   | Y                                |
| Russia (Central Asian) | <a href="#">Basins of the Schuchya and Khadytay-akha rivers</a> | Tyumen region   Yamalo-Nenetsky region                                | RU2002 | 67.43    | 68.84     | 876,300                 | Y                                |
| Russia (Central Asian) | <a href="#">Kunovatski</a>                                      | Yamalo-Nenetsky region  | RU2003 | 65.09    | 66.91     | 222,300                 | Y                                |
| Russia (Central Asian) | <a href="#">Lower Ob'</a>                                       | Yamalo-Nenetsky region  | RU2005 | 66.71    | 69.37     | 593,300                 | Y                                |
| Russia (Central Asian) | <a href="#">Lower Yuribey</a>                                   | Yamalo-Nenetsky region  | RU2006 | 68.92    | 69.07     | 71,800                  | Y                                |
| Russia (Central Asian) | <a href="#">Upper and Middle Yuribey</a>                        | Yamalo-Nenetsky region  | RU2007 | 68.37    | 71.51     | 400,000                 | Y                                |
| Russia (Central Asian) | <a href="#">Valley of the Yorkutayakha river</a>                | Yamalo-Nenetsky region  | RU2001 | 68.21    | 68.94     | 75,200                  | Y                                |
| Russia (Central Asian) | <a href="#">Dvuob'ye</a>  | Yamalo-Nenetsky region   Tyumen region   Khanty-Mantymansiyski region | RU2004 | 65.24    | 65.30     | 680,000                 | Y                                |
| Russia (European)      | <a href="#">Bogdinsko-Baskunchakski</a>                         | Astrakhan region  | RU1182 | 48.17    | 46.94     | 92,650                  | Y                                |
| Russia (European)      | <a href="#">Maly Zhemchuzhny island</a>                         | Astrakhan region  | RU1181 | 45.03    | 48.31     | 35                      | Y                                |
| Russia (European)      | <a href="#">Volga Delta</a>                                     | Astrakhan region  | RU1179 | 45.77    | 48.55     | 1,059,800               | Y                                |
| Russia (European)      | <a href="#">Western Ilmen area</a>                              | Astrakhan region  | RU1180 | 45.96    | 47.31     | 598,145                 | Y                                |
| Russia (European)      | <a href="#">Aiskiye yary</a>                                    | Bashkortostan Republic  | RU1231 | 55.48    | 58.29     | 8,010                   | Y                                |
| Russia (European)      | <a href="#">Bakalinski forest</a>                               | Bashkortostan Republic  | RU1220 | 55.23    | 53.87     | 5,820                   | Y                                |
| Russia (European)      | <a href="#">Bel'skaya flood-plain</a>                           | Bashkortostan Republic  | RU1209 | 55.05    | 55.66     | 118,290                 | Y                                |
| Russia (European)      | <a href="#">Birskeya flood-plain of river Belaya</a>            | Bashkortostan Republic  | RU1349 | 55.52    | 55.24     | 80,835                  | Y                                |
| Russia (European)      | <a href="#">Buninski forest</a>                                 | Bashkortostan Republic  | RU1469 | 54.03    | 54.03     | 7,905                   | Y                                |
| Russia (European)      | <a href="#">Iremel'ski mountain</a>                             | Bashkortostan Republic  | RU1211 | 54.63    | 58.98     | 107,020                 | Y                                |
| Russia (European)      | <a href="#">Irendyk ridge</a>                                   | Bashkortostan Republic  | RU1212 | 53.19    | 58.54     | 445,670                 | Y                                |
| Russia (European)      | <a href="#">Irnykshinskiye marshes</a>                          | Bashkortostan Republic  | RU1352 | 54.38    | 56.56     | 24,915                  | Y                                |
| Russia (European)      | <a href="#">Kaltasinski forest</a>                              | Bashkortostan Republic  | RU1266 | 55.85    | 54.73     | 71,015                  | Y                                |
| Russia (European)      | <a href="#">Kraka Mountain</a>                                  | Bashkortostan Republic  | RU1204 | 53.55    | 57.90     | 156,035                 | Y                                |
| Russia (European)      | <a href="#">Krasnokamski forest</a>                             | Bashkortostan Republic  | RU1268 | 56.12    | 54.19     | 19,590                  | Y                                |
| Russia (European)      | <a href="#">Mishkinski forest</a>                               | Bashkortostan Republic  | RU1350 | 55.51    | 56.14     | 48,312                  | Y                                |
| Russia (European)      | <a href="#">Mountain valley of Ai river</a>                     | Bashkortostan Republic  | RU1290 | 55.27    | 59.11     | 41,100                  | Y                                |
| Russia (European)      | <a href="#">Mountain valley of Sakmara river</a>                | Bashkortostan Republic  | RU1206 | 51.92    | 57.68     | 30,570                  | Y                                |
| Russia (European)      | <a href="#">Mountain valley of Zilim river</a>                  | Bashkortostan Republic  | RU1293 | 54.01    | 57.01     | 80,640                  | Y                                |
| Russia (European)      | <a href="#">Nikifarovski forest</a>                             | Bashkortostan Republic  | RU1207 | 53.87    | 54.82     | 23,110                  | Y                                |
| Russia (European)      | <a href="#">Okhlebininskaya flood-plain of river Belaya</a>     | Bashkortostan Republic  | RU1351 | 54.54    | 56.20     | 36,290                  | Y                                |

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| Russia (European) | <a href="#">Oktyabr'ski forest</a>                                      | Bashkortostan Republic                   | RU1205 | 54.36    | 53.61     | 41,510                  | Y                                |
| Russia (European) | <a href="#">Pavlovskoye reservoir</a>                                   | Bashkortostan Republic                   | RU1267 | 55.63    | 56.77     | 56,300                  | Y                                |
| Russia (European) | <a href="#">Prisyun'ski forest</a>                                      | Bashkortostan Republic                   | RU1458 | 54.97    | 53.80     | 3,220                   | Y                                |
| Russia (European) | <a href="#">Sharanski Bors</a>  | Bashkortostan Republic                   | RU1305 | 54.85    | 53.88     | 3,670                   | Y                                |
| Russia (European) | <a href="#">Tazlarovskiye hills</a>                                     | Bashkortostan Republic                   | RU1312 | 52.21    | 56.71     | 8,107                   | Y                                |
| Russia (European) | <a href="#">Ufimskoye plateau</a>                                       | Bashkortostan Republic                   | RU1313 | 55.51    | 57.59     | 91,770                  | Y                                |
| Russia (European) | <a href="#">Uryuk</a>   | Bashkortostan Republic                   | RU1314 | 53.31    | 56.69     | 33,225                  | Y                                |
| Russia (European) | <a href="#">Usen'-Ivanovski forest</a>                                  | Bashkortostan Republic                   | RU1315 | 54.20    | 54.39     | 14,990                  | Y                                |
| Russia (European) | <a href="#">Vedeneevsk pine forest</a>                                  | Bashkortostan Republic                   | RU1457 | 55.07    | 53.73     | 3,820                   | Y                                |
| Russia (European) | <a href="#">Watershed of Bel'skaya and Nugush rivers</a>                | Bashkortostan Republic                   | RU1208 | 53.08    | 56.96     | 182,270                 | Y                                |
| Russia (European) | <a href="#">Yamantau mountain</a>                                       | Bashkortostan Republic                   | RU1210 | 54.37    | 58.19     | 236,065                 | Y                                |
| Russia (European) | <a href="#">Zilairskoye Prisakmar'ye</a>                                | Bashkortostan Republic                   | RU1322 | 52.20    | 57.82     | 23,445                  | Y                                |
| Russia (European) | <a href="#">Maly Nakas ridge</a>  | Bashkortostan Republic   Orenburg region | RU1213 | 52.59    | 56.29     | 137,090                 | Y                                |
| Russia (European) | <a href="#">Shaitan-Tau ridge</a>                                       | Bashkortostan Republic   Orenburg region | RU1304 | 51.70    | 57.43     | 52,315                  | Y                                |
| Russia (European) | <a href="#">Budary lakes</a>  | Chechenskaya Republic                    | RU1170 | 43.58    | 46.34     | 4,800                   | Y                                |
| Russia (European) | <a href="#">Floodplain of the Terek river near Staro-shchedrinskaya</a> | Chechenskaya Republic                    | RU1432 | 43.45    | 46.22     | 9,150                   | Y                                |
| Russia (European) | <a href="#">Kezenoi-Am lake</a>   | Chechenskaya Republic                    | RU1433 | 42.77    | 46.16     | 1,030                   | Y                                |
| Russia (European) | <a href="#">Kissyk area</a>   | Chechenskaya Republic                    | RU1431 | 43.72    | 46.07     | 1,840                   | Y                                |
| Russia (European) | <a href="#">Achikol'skiye lakes</a>                                     | Dagestan Republic                        | RU1177 | 43.81    | 47.25     | 55,700                  | Y                                |
| Russia (European) | <a href="#">Adzhi Lake</a>  | Dagestan Republic                        | RU1174 | 42.33    | 48.07     | 3,600                   | Y                                |
| Russia (European) | <a href="#">Agrakhanski Bay (North Agrakhan)</a>                        | Dagestan Republic                        | RU1171 | 43.74    | 47.49     | 21,100                  | Y                                |
| Russia (European) | <a href="#">Andreyaul'ski reserve</a>                                   | Dagestan Republic                        | RU1274 | 43.12    | 46.72     | 17,400                  | Y                                |
| Russia (European) | <a href="#">Barchan Sarykum and Narat-Tyube</a>                         | Dagestan Republic                        | RU1275 | 43.01    | 47.16     | 22,700                  | Y                                |
| Russia (European) | <a href="#">Bazarduzyi and Shalbuздag alpine mountains</a>              | Dagestan Republic                        | RU1175 | 41.27    | 47.78     | 23,900                  | Y                                |
| Russia (European) | <a href="#">Berkubinski forest</a>                                      | Dagestan Republic                        | RU1276 | 41.69    | 48.41     | 600                     | Y                                |
| Russia (European) | <a href="#">Buinakskaya depression</a>                                  | Dagestan Republic                        | RU1426 | 42.89    | 47.26     | 14,850                  | Y                                |
| Russia (European) | <a href="#">Chechen' Island and east seaside of Agrakhan peninsula</a>  | Dagestan Republic                        | RU1435 | 43.92    | 47.71     | 26,500                  | Y                                |
| Russia (European) | <a href="#">Gunibskoye plateau</a>                                      | Dagestan Republic                        | RU1427 | 42.41    | 46.90     | 8,500                   | Y                                |
| Russia (European) | <a href="#">Karakol'skiye lakes</a>                                     | Dagestan Republic                        | RU1176 | 44.26    | 46.80     | 23,600                  | Y                                |
| Russia (European) | <a href="#">Karanogaiskiye steppes</a>                                  | Dagestan Republic                        | RU1421 | 44.12    | 45.82     | 65,900                  | Y                                |
| Russia (European) | <a href="#">Kasumkentski reserve</a>                                    | Dagestan Republic                        | RU1281 | 41.63    | 47.98     | 26,000                  | Y                                |
| Russia (European) | <a href="#">Kayakentski reserve</a>                                     | Dagestan Republic                        | RU1282 | 42.34    | 47.81     | 14,500                  | Y                                |
| Russia (European) | <a href="#">Kebyaktepe ridge</a>  | Dagestan Republic                        | RU1284 | 41.48    | 47.45     | 30,100                  | Y                                |
| Russia (European) | <a href="#">Kosobo-Kelebski reserve</a>                                 | Dagestan Republic                        | RU1429 | 42.27    | 46.35     | 107,600                 | Y                                |
| Russia (European) | <a href="#">Krasnoarmeiskiye waste lands</a>                            | Dagestan Republic                        | RU1425 | 43.02    | 47.37     | 2,050                   | Y                                |
| Russia (European) | <a href="#">Laman-Kam area</a>  | Dagestan Republic                        | RU1285 | 41.62    | 48.25     | 12,400                  | Y                                |
| Russia (European) | <a href="#">Lower reaches of Sulak river</a>                            | Dagestan Republic                        | RU1424 | 43.30    | 47.33     | 9,100                   | Y                                |

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| Russia (European) | <a href="#">Manych salt lakes</a>   | Dagestan Republic                      | RU1420 | 44.44    | 46.35     | 1,600                   | Y                                |
| Russia (European) | <a href="#">Mekhteb reservoir</a>   | Dagestan Republic                      | RU1263 | 43.34    | 47.43     | 3,500                   | Y                                |
| Russia (European) | <a href="#">Mouth of Samur river</a>  | Dagestan Republic                      | RU1173 | 41.86    | 48.51     | 10,100                  | Y                                |
| Russia (European) | <a href="#">Nizhnekumskiyе floods</a>                                       | Dagestan Republic                      | RU1419 | 44.81    | 46.77     | 7,500                   | Y                                |
| Russia (European) | <a href="#">Orota depression</a>  | Dagestan Republic                      | RU1299 | 42.59    | 46.95     | 4,750                   | Y                                |
| Russia (European) | <a href="#">Samurski ridge</a>  | Dagestan Republic                      | RU1303 | 41.51    | 47.74     | 17,300                  | Y                                |
| Russia (European) | <a href="#">Shur-Dere and Rubas foothills</a>                               | Dagestan Republic                      | RU1307 | 41.85    | 48.24     | 25,300                  | Y                                |
| Russia (European) | <a href="#">Southern Agrakhan lake</a>                                      | Dagestan Republic                      | RU1422 | 43.53    | 47.42     | 18,100                  | Y                                |
| Russia (European) | <a href="#">Sulakskaya bay</a>  | Dagestan Republic                      | RU1423 | 43.33    | 47.52     | 5,200                   | Y                                |
| Russia (European) | <a href="#">Sulakskaya lagoon</a>   | Dagestan Republic                      | RU1260 | 43.23    | 47.52     | 2,000                   | Y                                |
| Russia (European) | <a href="#">Talginskaya Valley</a>  | Dagestan Republic                      | RU1385 | 42.87    | 47.44     | 11,200                  | Y                                |
| Russia (European) | <a href="#">Temirgoiskiyе lakes</a>   | Dagestan Republic                      | RU1262 | 43.15    | 47.23     | 5,600                   | Y                                |
| Russia (European) | <a href="#">Tiyaratinski reserve</a>  | Dagestan Republic                      | RU1430 | 41.95    | 46.54     | 83,500                  | Y                                |
| Russia (European) | <a href="#">Turali lakes</a>  | Dagestan Republic                      | RU1259 | 42.83    | 47.69     | 3,600                   | Y                                |
| Russia (European) | <a href="#">Turalinskaya lagoon</a>   | Dagestan Republic                      | RU1261 | 42.93    | 47.59     | 323                     | Y                                |
| Russia (European) | <a href="#">Tyuleni island</a>  | Dagestan Republic                      | RU1434 | 44.47    | 47.50     | 11,600                  | Y                                |
| Russia (European) | <a href="#">Valley of Bashlychai river</a>                                  | Dagestan Republic                      | RU1428 | 42.26    | 47.90     | 6,850                   | Y                                |
| Russia (European) | <a href="#">Yangiyurtovski reserve and Bakas fen</a>                        | Dagestan Republic                      | RU1320 | 43.30    | 47.05     | 31,800                  | Y                                |
| Russia (European) | <a href="#">Kizlyar Bay</a>   | Dagestan Republic   Kalmykiya Republic | RU1172 | 44.60    | 46.94     | 122,200                 | Y                                |
| Russia (European) | <a href="#">Shanskoye ravine</a>  | Ingushetiya Republic                   | RU1418 | 42.69    | 44.80     | 8,100                   | Y                                |
| Russia (European) | <a href="#">Targinskaya intermountain</a>                                   | Ingushetiya Republic                   | RU1417 | 42.82    | 44.94     | 7,200                   | Y                                |
| Russia (European) | <a href="#">Chonta</a>  | Kalmykiya Republic                     | RU1390 | 46.74    | 44.95     | 52,750                  | Y                                |
| Russia (European) | <a href="#">Erdniyevskaya area</a>  | Kalmykiya Republic                     | RU1280 | 46.91    | 46.42     | 200,810                 | Y                                |
| Russia (European) | <a href="#">Ivan-Karaul island</a>  | Kalmykiya Republic                     | RU1148 | 45.16    | 47.48     | 645                     | Y                                |
| Russia (European) | <a href="#">Oling area</a>  | Kalmykiya Republic                     | RU1256 | 46.29    | 45.24     | 14,430                  | Y                                |
| Russia (European) | <a href="#">Sostinskiye lakes</a>   | Kalmykiya Republic                     | RU1255 | 45.36    | 45.60     | 59,345                  | Y                                |
| Russia (European) | <a href="#">Uttinskaya area</a>   | Kalmykiya Republic                     | RU1149 | 46.25    | 46.13     | 87,745                  | Y                                |
| Russia (European) | <a href="#">Pechoro-Ilychski Nature Reserve</a>                             | Komi Republic                          | RU1038 | 62.51    | 58.81     | 705,500                 | Y                                |
| Russia (European) | <a href="#">Yugyd Va</a>  | Komi Republic                          | RU1039 | 64.66    | 59.37     | 1,891,701               | Y                                |
| Russia (European) | <a href="#">Floodplain of Ural and Kindeli rivers</a>                       | Orenburg region                        | RU1474 | 51.53    | 52.91     | 10,610                  | Y                                |
| Russia (European) | <a href="#">Kulaksay lowland</a>  | Orenburg region                        | RU1216 | 50.88    | 55.92     | 18,700                  | Y                                |
| Russia (European) | <a href="#">Kupy area</a>   | Orenburg region                        | RU1215 | 51.29    | 53.72     | 21,950                  | Y                                |
| Russia (European) | <a href="#">Lake Ayke</a>   | Orenburg region                        | RU1269 | 50.97    | 61.55     | 11,725                  | Y                                |
| Russia (European) | <a href="#">Orenburgski Nature Reserve</a>                                  | Orenburg region                        | RU1218 | 50.99    | 61.21     | 21,644                  | Y                                |
| Russia (European) | <a href="#">Shalkaro-Zhetykol'ski lake system</a>                           | Orenburg region                        | RU1217 | 50.94    | 60.85     | 151,190                 | Y                                |
| Russia (European) | <a href="#">Sources of Alimbet river and Aktykyl ridge</a>                  | Orenburg region                        | RU1476 | 50.96    | 57.55     | 27,495                  | Y                                |
| Russia (European) | <a href="#">Steppe valley of Sakmara river</a>                              | Orenburg region                        | RU1214 | 51.58    | 56.86     | 39,195                  | Y                                |
| Russia (European) | <a href="#">Buzulukski forest</a>   | Orenburg region   Samara region        | RU1197 | 53.04    | 51.98     | 169,085                 | Y                                |
| Russia (European) | <a href="#">Kamsko-Yayvenski wetland</a>                                    | Perm region                            | RU1198 | 59.11    | 56.45     | 102,070                 | Y                                |
| Russia (European) | <a href="#">Kvarkush and Zolotoy Kamen' ridges</a>                          | Perm region                            | RU1202 | 60.30    | 58.50     | 152,810                 | Y                                |
| Russia (European) | <a href="#">Verkhnevisherski mountain</a>                                   | Perm region                            | RU1199 | 61.21    | 59.12     | 219,895                 | Y                                |
| Russia (European) | <a href="#">Chapaevskie Limans</a>  | Samara region                          | RU1265 | 53.11    | 49.73     | 60,885                  | Y                                |
| Russia (European) | <a href="#">Samarskaya Luka</a>   | Samara region                          | RU1292 | 53.29    | 49.66     | 127,186                 | Y                                |
| Russia (European) | <a href="#">Zhigulevski Nature Reserve</a>                                  | Samara region                          | RU1193 | 53.40    | 49.78     | 23,157                  | Y                                |
| Russia (European) | <a href="#">Agriculture lands of south and east of Novouzenski district</a> | Saratov region                         | RU1478 | 50.48    | 48.36     | 204,920                 | Y                                |
| Russia (European) | <a href="#">Algaiski</a>  | Saratov region                         | RU1135 | 50.06    | 48.79     | 12,270                  | Y                                |

| Country           | Site Name   | Subnational unit(s)                   | IBA no | Latitude | Longitude | Site Area Reported (ha) | Source (IBA - Y, consultation C) |
|-------------------|---|---------------------------------------|--------|----------|-----------|-------------------------|----------------------------------|
| Russia (European) | <a href="#">Balqa Yablonya</a>  | Saratov region                        | RU1355 | 51.49    | 47.79     | 18,680                  | Y                                |
| Russia (European) | <a href="#">Estonka site</a>  | Saratov region                        | RU1366 | 50.90    | 47.39     | 1,688                   | Y                                |
| Russia (European) | <a href="#">Kholmanskiye feathergrass steppes</a>                             | Saratov region                        | RU1479 | 51.66    | 50.62     | 62,400                  | Y                                |
| Russia (European) | <a href="#">Kumysni pond site</a>   | Saratov region                        | RU1364 | 50.94    | 47.13     | 2,120                   | Y                                |
| Russia (European) | <a href="#">Outskirts of village Il'inka</a>                                  | Saratov region                        | RU1365 | 50.93    | 46.60     | 2,105                   | Y                                |
| Russia (European) | <a href="#">Outskirts of village Lepekhinka</a>                               | Saratov region                        | RU1369 | 50.71    | 46.97     | 2,112                   | Y                                |
| Russia (European) | <a href="#">Outskirts of village Pervomaiskoye</a>                            | Saratov region                        | RU1367 | 50.86    | 46.76     | 2,730                   | Y                                |
| Russia (European) | <a href="#">Outskirts of village Rekord</a>                                   | Saratov region                        | RU1360 | 51.02    | 46.69     | 1,950                   | Y                                |
| Russia (European) | <a href="#">Outskirts of village Timofeevo</a>                                | Saratov region                        | RU1368 | 50.81    | 47.17     | 2,100                   | Y                                |
| Russia (European) | <a href="#">Priyeruslanskiye sands</a>  | Saratov region                        | RU1129 | 50.75    | 46.59     | 24,430                  | Y                                |
| Russia (European) | <a href="#">Rovno area</a>  | Saratov region                        | RU1137 | 50.70    | 46.42     | 15,200                  | Y                                |
| Russia (European) | <a href="#">Siniye mountains</a>  | Saratov region                        | RU1128 | 51.07    | 49.42     | 12,595                  | Y                                |
| Russia (European) | <a href="#">Steppes in the vicinity of Kanavka village</a>                    | Saratov region                        | RU1480 | 50.40    | 48.47     | 7,830                   | Y                                |
| Russia (European) | <a href="#">Valley of Safarovka river</a>                                     | Saratov region                        | RU1127 | 50.97    | 48.93     | 20,540                  | Y                                |
| Russia (European) | <a href="#">Varfolomeyevskiye saltmarshes</a>                                 | Saratov region                        | RU1130 | 50.00    | 48.27     | 3,870                   | Y                                |
| Russia (European) | <a href="#">Vicinity of Borisoglebovka (Saratovski [Semenovskij] Reserve)</a> | Saratov region                        | RU1126 | 51.06    | 47.65     | 72,290                  | Y                                |
| Russia (European) | <a href="#">Vicinity of Eruslan village</a>                                   | Saratov region                        | RU1357 | 51.19    | 47.16     | 53,300                  | Y                                |
| Russia (European) | <a href="#">Vicinity of Voznesensk village</a>                                | Saratov region                        | RU1132 | 51.45    | 47.43     | 8,770                   | Y                                |
| Russia (European) | <a href="#">Yasnaya Polyana site</a>  | Saratov region                        | RU1361 | 51.02    | 47.29     | 4,070                   | Y                                |
| Russia (European) | <a href="#">Zhestyanka</a>  | Saratov region                        | RU1139 | 51.49    | 49.13     | 12,127                  | Y                                |
| Russia (European) | <a href="#">Valley of Terek River (Mozdokski District)</a>                    | Severnaya Osetiya Republic            | RU1383 | 43.71    | 44.64     | 9,600                   | Y                                |
| Russia (European) | <a href="#">Dadynskiye lakes</a>  | Stavropolski kray                     | RU1164 | 45.25    | 45.07     | 47,400                  | Y                                |
| Russia (European) | <a href="#">Irgaklinski forest</a>  | Stavropolski kray                     | RU1381 | 44.34    | 44.81     | 2,500                   | Y                                |
| Russia (European) | <a href="#">Outskirts of Arbali village</a>                                   | Stavropolski kray                     | RU1394 | 45.10    | 45.26     | 19,800                  | Y                                |
| Russia (European) | <a href="#">Prikumskiye steppes</a>   | Stavropolski kray                     | RU1380 | 45.00    | 45.58     | 21,700                  | Y                                |
| Russia (European) | <a href="#">Downstream of Ik river</a>  | Tatarstan Republic                    | RU1454 | 55.55    | 53.34     | 37,915                  | Y                                |
| Russia (European) | <a href="#">Kamsko-Ilski area</a>   | Tatarstan Republic                    | RU1190 | 55.79    | 53.36     | 56,255                  | Y                                |
| Russia (European) | <a href="#">Karabash-Kudashskaya forest-steppe</a>                            | Tatarstan Republic                    | RU1460 | 54.75    | 52.63     | 16,740                  | Y                                |
| Russia (European) | <a href="#">Pis'myanskiye Gori area</a>                                       | Tatarstan Republic                    | RU1463 | 54.58    | 52.65     | 4,820                   | Y                                |
| Russia (European) | <a href="#">Rychkovskaya forest-steppe</a>                                    | Tatarstan Republic                    | RU1466 | 54.41    | 52.90     | 30,020                  | Y                                |
| Russia (European) | <a href="#">Shugurovskoye plateau</a>   | Tatarstan Republic                    | RU1462 | 54.66    | 52.13     | 80,115                  | Y                                |
| Russia (European) | <a href="#">Karakulinskaya flood-plain</a>                                    | Udmurtia Republic                     | RU1348 | 55.94    | 53.59     | 20,000                  | Y                                |
| Russia (European) | <a href="#">Pikhtovka fishponds</a>   | Udmurtia Republic                     | RU1447 | 57.14    | 54.16     | 1,245                   | Y                                |
| Russia (European) | <a href="#">Nizhnekamskaya flood-plain</a>                                    | Udmurtia Republic   Perm region       | RU1203 | 56.72    | 53.88     | 40,850                  | Y                                |
| Russia (European) | <a href="#">Bulukhta area</a>   | Volgograd region                      | RU1247 | 49.34    | 46.07     | 61,222                  | Y                                |
| Russia (European) | <a href="#">Drofny area</a>   | Volgograd region                      | RU1278 | 50.11    | 45.94     | 62,740                  | Y                                |
| Russia (European) | <a href="#">Lake El'ton</a>   | Volgograd region                      | RU1120 | 49.18    | 46.72     | 148,797                 | Y                                |
| Russia (European) | <a href="#">Lower Eruslan</a>   | Volgograd region                      | RU1249 | 50.29    | 46.37     | 49,790                  | Y                                |
| Russia (European) | <a href="#">Novokvasnikovski liman</a>  | Volgograd region                      | RU1121 | 50.56    | 46.52     | 1,128                   | Y                                |
| Russia (European) | <a href="#">Zolotarevskaya area</a>   | Volgograd region                      | RU1323 | 49.72    | 46.34     | 74,870                  | Y                                |
| Russia (European) | <a href="#">Sarpinskaya lake-system</a>                                       | Volgograd region   Kalmykiya Republic | RU1246 | 47.84    | 44.90     | 200,415                 | Y                                |
| Saudi Arabia      | <a href="#">Abu Ali</a>   | Ash Sharqiyah                         | SA008  | 27.31    | 49.58     | 12,500                  | Y                                |
| Saudi Arabia      | <a href="#">Al-Hasa lagoons</a>   | Ash Sharqiyah                         | SA012  | 25.53    | 50.00     | 7,500                   | Y                                |
| Saudi Arabia      | <a href="#">Gulf coral islands</a>  | Ash Sharqiyah                         | SA007  | 27.37    | 49.90     | 2,000                   | Y                                |
| Saudi Arabia      | <a href="#">Gulf of Salwah</a>  | Ash Sharqiyah                         | SA013  | 25.40    | 50.49     | 62,500                  | Y                                |
| Saudi Arabia      | <a href="#">Sabkhat al-Fasi lagoons</a>                                       | Ash Sharqiyah                         | SA009  | 27.07    | 49.49     | 2,800                   | Y                                |



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|--------------|---|--------------------------|--------|----------|-----------|-------------------------|----------------------------------|
| Saudi Arabia | <a href="#">Tarut Bay</a>                                   | Ash Sharqiyah            | SA010  | 26.58    | 50.10     | 41,000                  | Y                                |
| Sri Lanka    | <a href="#">Agrapatana-Bopaththalawa</a>                    | Central                  | LK032  | 6.83     | 80.70     | 6,933                   | Y                                |
| Sri Lanka    | <a href="#">Dikoya</a>                                      | Central                  | LK031  | 6.88     | 80.62     | 5,099                   | Y                                |
| Sri Lanka    | <a href="#">Hakgala / Meepilimana</a>                       | Central                  | LK030  | 6.90     | 80.78     | 1,195                   | Y                                |
| Sri Lanka    | <a href="#">Horton plains / Ohiya / Pattipola-Am-bewela</a> | Central                  | LK033  | 6.83     | 80.80     | 6,409                   | Y                                |
| Sri Lanka    | <a href="#">Nuwara Eliya</a>                                | Central                  | LK029  | 6.95     | 80.75     | 57                      | Y                                |
| Sri Lanka    | <a href="#">Peak Wilderness Sanctuary</a>                   | Central                  | LK034  | 6.75     | 80.58     | 28,044                  | Y                                |
| Sri Lanka    | <a href="#">Sigiriya</a>                                    | Central                  | LK025  | 7.97     | 80.77     | 5,099                   | Y                                |
| Sri Lanka    | <a href="#">Udawattakele</a>                                | Central                  | LK027  | 7.28     | 80.63     | 103                     | Y                                |
| Sri Lanka    | <a href="#">Ampara</a>                                      | Eastern                  | LK023  | 7.30     | 81.60     | 1,375                   | Y                                |
| Sri Lanka    | <a href="#">Kantale Tank</a>                                | Eastern                  | LK020  | 8.37     | 80.98     | 3,750                   | Y                                |
| Sri Lanka    | <a href="#">Madura Oya</a>                                  | Eastern                  | LK022  | 7.50     | 81.18     | 10,000                  | Y                                |
| Sri Lanka    | <a href="#">Rugam Tank</a>                                  | Eastern                  | LK021  | 7.63     | 81.47     | 1,600                   | Y                                |
| Sri Lanka    | <a href="#">Senanayake Samudraya / Nilgala</a>              | Eastern   Uva            | LK024  | 7.22     | 81.37     | 20,202                  | Y                                |
| Sri Lanka    | <a href="#">Amaipaddukkai</a>                               | North                    | LK004  | 9.02     | 79.90     | 500                     | Y                                |
| Sri Lanka    | <a href="#">Araly South-Punalai</a>                         | North                    | LK002  | 9.68     | 79.93     | 550                     | Y                                |
| Sri Lanka    | <a href="#">Giants Tank</a>                                 | North                    | LK006  | 8.85     | 80.03     | 2,500                   | Y                                |
| Sri Lanka    | <a href="#">Jafna Lagoon</a>                                | North                    | LK001  | 9.75     | 80.13     | 14,912                  | Y                                |
| Sri Lanka    | <a href="#">Kayts Island-Mandathive</a>                     | North                    | LK003  | 9.62     | 79.98     | 900                     | Y                                |
| Sri Lanka    | <a href="#">Periyakalapuwa mouth</a>                        | North                    | LK005  | 8.92     | 79.93     | 800                     | Y                                |
| Sri Lanka    | <a href="#">Anuradhapura</a>                                | North-Central            | LK014  | 8.37     | 80.37     | 3,501                   | Y                                |
| Sri Lanka    | <a href="#">Minneriya / Girithale / Kaudulla</a>            | North-Central            | LK015  | 8.07     | 80.90     | 12,993                  | Y                                |
| Sri Lanka    | <a href="#">Padaviya</a>                                    | North-Central            | LK013  | 8.80     | 80.75     | 2,700                   | Y                                |
| Sri Lanka    | <a href="#">Pimburettewa Tank</a>                           | North-Central            | LK019  | 7.72     | 81.18     | 2,100                   | Y                                |
| Sri Lanka    | <a href="#">Polonnaruwa</a>                                 | North-Central            | LK017  | 7.97     | 81.02     | 1,522                   | Y                                |
| Sri Lanka    | <a href="#">Anaiwilundawa complex</a>                       | North-Western            | LK011  | 7.70     | 79.82     | 1,397                   | Y                                |
| Sri Lanka    | <a href="#">Mundel Lake</a>                                 | North-Western            | LK010  | 7.80     | 79.80     | 3,600                   | Y                                |
| Sri Lanka    | <a href="#">Periyakadawela</a>                              | North-Western            | LK009  | 7.83     | 79.85     | 200                     | Y                                |
| Sri Lanka    | <a href="#">Seguwantive mudflats</a>                        | North-Western            | LK008  | 8.08     | 79.78     | 625                     | Y                                |
| Sri Lanka    | <a href="#">Udawalawa</a>                                   | Sabaragamuwa   Uva       | LK044  | 6.50     | 80.88     | 30,821                  | Y                                |
| Sri Lanka    | <a href="#">Bundala complex</a>                             | Southern                 | LK068  | 6.18     | 81.20     | 7,686                   | Y                                |
| Sri Lanka    | <a href="#">Wirawila Tank</a>                               | Southern                 | LK069  | 6.30     | 81.23     | 900                     | Y                                |
| Sri Lanka    | <a href="#">Yala</a>  | Southern   Eastern   Uva | LK070  | 6.50     | 81.48     | 47,053                  | Y                                |
| Sri Lanka    | <a href="#">Haputale</a>                                    | Uva                      | LK051  | 6.77     | 80.97     | 141                     | Y                                |
| Sri Lanka    | <a href="#">Bellanwila-Attidiya</a>                         | Western                  | LK053  | 6.83     | 79.88     | 372                     | Y                                |
| Sri Lanka    | <a href="#">Muturajawela</a>                                | Western                  | LK052  | 7.03     | 79.87     | 6,232                   | Y                                |
| Tajikistan   | <a href="#">Aktash massif</a>                               |                          | TJ002  | 40.88    | 70.40     | 47,421                  | Y                                |
| Tajikistan   | <a href="#">Bulunkul and Yashilkul lakes and mountains</a>  |                          | TJ014  | 37.83    | 73.01     | 149,590                 | Y                                |
| Tajikistan   | <a href="#">Dangara massif</a>                              |                          | TJ010  | 37.97    | 69.48     | 69,441                  | Y                                |
| Tajikistan   | <a href="#">Dashtidjum</a>                                  |                          | TJ011  | 37.63    | 70.08     | 37,776                  | Y                                |
| Tajikistan   | <a href="#">Drumkul Lake</a>                                |                          | TJ015  | 37.40    | 72.12     | 34,032                  | Y                                |
| Tajikistan   | <a href="#">Dzhavshangoz</a>                                |                          | TJ016  | 37.43    | 72.49     | 34,477                  | Y                                |
| Tajikistan   | <a href="#">Ishkashim</a>                                   |                          | TJ017  | 37.00    | 72.23     | 113,623                 | Y                                |
| Tajikistan   | <a href="#">Iskanderkul lake and mountains</a>              |                          | TJ007  | 39.07    | 68.35     | 17,732                  | Y                                |
| Tajikistan   | <a href="#">Karakul lake and mountains</a>                  |                          | TJ012  | 39.03    | 73.34     | 144,054                 | Y                                |
| Tajikistan   | <a href="#">Kattasay and Daganasay Reservoirs</a>           |                          | TJ004  | 39.86    | 69.07     | 9,811                   | Y                                |

| Country      | Site Name  | Subnational unit(s) | IBA no | Latitude | Longitude | Site Area Reported (ha) | Source (IBA - Y, consultation C) |
|--------------|--|---------------------|--------|----------|-----------|-------------------------|----------------------------------|
| Tajikistan   | <a href="#">Kayrakkum Reservoir</a>                          |                     | TJ003  | 40.39    | 70.18     | 115,216                 | Y                                |
| Tajikistan   | <a href="#">Kondara Gorge</a>                                |                     | TJ008  | 38.81    | 68.78     | 1,077                   | Y                                |
| Tajikistan   | <a href="#">Kulikalon Lakes</a>                              |                     | TJ006  | 39.26    | 68.16     | 9,753                   | Y                                |
| Tajikistan   | <a href="#">Mogoltau massif</a>                              |                     | TJ001  | 40.88    | 70.40     | 26,767                  | Y                                |
| Tajikistan   | <a href="#">Rangkul valley (Rangkul &amp; Shorkul Lakes)</a> |                     | TJ013  | 38.50    | 74.46     | 161,206                 | Y                                |
| Tajikistan   | <a href="#">Sarazm</a>                                       |                     | TJ005  | 39.51    | 67.57     | 4,280                   | Y                                |
| Tajikistan   | <a href="#">Tigrovaya Balka Nature Reserve</a>               |                     | TJ009  | 37.32    | 68.44     | 45,943                  | Y                                |
| Tajikistan   | <a href="#">Zorkul Nature Reserve (Lake Victoria)</a>        |                     | TJ018  | 37.43    | 73.77     | 160,972                 | Y                                |
| Turkmenistan | <a href="#">Deryatakyr</a>                                   | Akhal               | TM030  | 38.36    | 58.87     | 6,871                   | Y                                |
| Turkmenistan | <a href="#">Dushakerekdag</a>                                | Akhal               | TM024  | 37.94    | 57.92     | 13,003                  | Y                                |
| Turkmenistan | <a href="#">Gurtli</a>                                       | Akhal               | TM028  | 38.17    | 58.37     | 1,421                   | Y                                |
| Turkmenistan | <a href="#">Gurykhovudan</a>                                 | Akhal               | TM029  | 37.77    | 58.62     | 19,031                  | Y                                |
| Turkmenistan | <a href="#">Kopetdagkhovudan</a>                             | Akhal               | TM023  | 38.24    | 57.87     | 4,407                   | Y                                |
| Turkmenistan | <a href="#">Kurtusuv - Khovudan</a>                          | Akhal               | TM027  | 37.75    | 58.33     | 37,305                  | Y                                |
| Turkmenistan | <a href="#">Mergen</a>                                       | Akhal               | TM031  | 37.92    | 58.94     | 289                     | Y                                |
| Turkmenistan | <a href="#">Tejen</a>  | Akhal               | TM034  | 36.79    | 60.79     | 162,909                 | Y                                |
| Turkmenistan | <a href="#">Chokrak-Tutly</a>                                | Balkan              |        | 39.23    | 56.11     | 147,962                 | Y                                |
| Turkmenistan | <a href="#">Delili - Garajabatyr</a>                         | Balkan              | TM010  | 37.54    | 54.45     | 39,785                  | Y                                |
| Turkmenistan | <a href="#">Depmechay</a>                                    | Balkan              |        | 41.22    | 55.47     | 65,820                  | Y                                |
| Turkmenistan | <a href="#">Ekerem - Esenguly</a>                            | Balkan              | TM009  | 37.50    | 53.90     | 18,724                  | Y                                |
| Turkmenistan | <a href="#">Ersarybaba - Akkyr</a>                           | Balkan              | TM013  | 40.97    | 54.74     | 157,613                 | Y                                |
| Turkmenistan | <a href="#">Garabogaz - Garshy</a>                           | Balkan              | TM002  | 40.79    | 52.88     | 2,461                   | Y                                |
| Turkmenistan | <a href="#">Garadashly - Ekerem</a>                          | Balkan              | TM008  | 37.97    | 53.83     | 6,458                   | Y                                |
| Turkmenistan | <a href="#">Garadegish</a>                                   | Balkan              | TM011  | 37.42    | 54.49     | 2,466                   | Y                                |
| Turkmenistan | <a href="#">Garashor</a>                                     | Balkan              | TM021  | 40.83    | 56.81     | 92,513                  | Y                                |
| Turkmenistan | <a href="#">Garshy - Tarta</a>                               | Balkan              | TM001  | 40.34    | 52.71     | 13,672                  | Y                                |
| Turkmenistan | <a href="#">Karabogaz</a>                                    | Balkan              | TM003  | 41.05    | 52.91     | 1,227                   | Y                                |
| Turkmenistan | <a href="#">Koymat - Begarlan</a>                            | Balkan              |        | 40.35    | 55.92     | 38,764                  | Y                                |
| Turkmenistan | <a href="#">Kurendag - Garagoz</a>                           | Balkan              | TM014  | 39.50    | 55.45     | 119,562                 | Y                                |
| Turkmenistan | <a href="#">Ogurjaly island</a>                              | Balkan              | TM004  | 38.95    | 53.50     | 7,466                   | Y                                |
| Turkmenistan | <a href="#">South Cheleken Bay</a>                           | Balkan              | TM005  | 39.34    | 53.27     | 29,752                  | Y                                |
| Turkmenistan | <a href="#">Sumbar</a>                                       | Balkan              | TM020  | 38.40    | 56.42     | 211,421                 | Y                                |
| Turkmenistan | <a href="#">Tekejik - Biynekyr</a>                           | Balkan              |        | 40.19    | 55.59     | 15,275                  | Y                                |
| Turkmenistan | <a href="#">Turkmen Bay</a>                                  | Balkan              | TM007  | 39.84    | 53.76     | 54,858                  | Y                                |
| Turkmenistan | <a href="#">Turkmenbashy Bay</a>                             | Balkan              | TM006  | 39.79    | 53.36     | 267,124                 | Y                                |
| Turkmenistan | <a href="#">Uly Balkan</a>                                   | Balkan              | TM012  | 39.67    | 54.62     | 177,916                 | Y                                |
| Turkmenistan | <a href="#">Uzboy</a>  | Balkan              |        | 39.82    | 55.62     | 61,411                  | Y                                |
| Turkmenistan | <a href="#">Akjagaya</a>                                     | Dashoguz            | TM026  | 41.08    | 58.25     | 16,508                  | Y                                |
| Turkmenistan | <a href="#">Goyungyrlan</a>                                  | Dashoguz            | TM025  | 41.39    | 58.12     | 3,514                   | Y                                |
| Turkmenistan | <a href="#">Muskinata</a>                                    | Dashoguz            | TM033  | 42.29    | 59.84     | 901                     | Y                                |
| Turkmenistan | <a href="#">Sarygamysh</a>                                   | Dashoguz            | TM022  | 41.74    | 57.42     | 503,647                 | Y                                |
| Turkmenistan | <a href="#">Ketteshor - Ramankol</a>                         | Lebap               | TM044  | 39.10    | 62.92     | 12,123                  | Y                                |
| Turkmenistan | <a href="#">Koytendag</a>                                    | Lebap               | TM050  | 37.74    | 66.47     | 75,289                  | Y                                |
| Turkmenistan | <a href="#">Nargyz</a>                                       | Lebap               | TM043  | 39.71    | 62.77     | 76,286                  | Y                                |
| Turkmenistan | <a href="#">Repetek</a>                                      | Lebap               | TM045  | 38.60    | 63.25     | 73,247                  | Y                                |
| Turkmenistan | <a href="#">Soltandag - Gyzylburun</a>                       | Lebap               | TM047  | 38.79    | 64.19     | 11,695                  | Y                                |
| Turkmenistan | <a href="#">Soltansanjar - Duyeboyun</a>                     | Lebap               | TM037  | 41.67    | 61.57     | 54,632                  | Y                                |
| Turkmenistan | <a href="#">Tallymerjen</a>                                  | Lebap               | TM049  | 37.99    | 65.52     | 167,701                 | Y                                |
| Turkmenistan | <a href="#">Zeyit - Kelif</a>                                | Lebap               | TM048  | 37.53    | 65.10     | 85,488                  | Y                                |

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|----------------------|---|---------------------|--------|----------|-----------|-------------------------|----------------------------------|
| Turkmenistan         | <a href="#">Badhyz</a>                                      | Mary                | TM038  | 35.72    | 61.60     | 200,700                 | Y                                |
| Turkmenistan         | <a href="#">Garabil</a>                                     | Mary                | TM046  | 35.92    | 63.27     | 140,594                 | Y                                |
| Turkmenistan         | <a href="#">Garachop</a>                                    | Mary                | TM041  | 35.29    | 62.54     | 35,036                  | Y                                |
| Turkmenistan         | <a href="#">Jarsay - Khangui</a>                            | Mary                | TM035  | 38.62    | 61.07     | 93,573                  | Y                                |
| Turkmenistan         | <a href="#">Khankhovuz</a>                                  | Mary                | TM036  | 37.17    | 61.32     | 39,032                  | Y                                |
| Turkmenistan         | <a href="#">Saryyazy</a>                                    | Mary                | TM042  | 36.37    | 62.64     | 7,601                   | Y                                |
| Turkmenistan         | <a href="#">Ayrakly – Garadzhaovlak</a>                     |                     | TM032  | 38.63    | 59.84     | 55,977                  | Y                                |
| Turkmenistan         | <a href="#">Gorelde</a>                                     |                     | TM039  | 40.65    | 62.84     | 23,546                  | Y                                |
| United Arab Emirates | <a href="#">Abu Al Abyad Island</a>                         | Abu Dhabi           | AE017  | 24.25    | 53.75     | 60,000                  | Y                                |
| United Arab Emirates | <a href="#">Abu Al Sayayif</a>                              | Abu Dhabi           |        | 24.34    | 54.35     | 14,500                  | Y                                |
| United Arab Emirates | <a href="#">Al Houbara</a>                                  | Abu Dhabi           | AE020  | 23.95    | 52.65     | 180,000                 | Y                                |
| United Arab Emirates | <a href="#">Al Rafiq</a>                                    | Abu Dhabi           |        | 24.21    | 54.01     | 3                       | Y                                |
| United Arab Emirates | <a href="#">Al Ushsh Island</a>                             | Abu Dhabi           |        | 24.31    | 52.88     | 40                      | Y                                |
| United Arab Emirates | <a href="#">Al Wathba</a>                                   | Abu Dhabi           |        | 24.26    | 54.60     | 500                     | Y                                |
| United Arab Emirates | <a href="#">Ba Al Ghaylam</a>                               | Abu Dhabi           |        | 24.57    | 54.55     | 680                     | Y                                |
| United Arab Emirates | <a href="#">Bu Tinah</a>                                    | Abu Dhabi           |        | 24.63    | 53.05     | 1,000                   | Y                                |
| United Arab Emirates | <a href="#">Dayyinah Island (Diyneh)</a>                    | Abu Dhabi           |        | 24.95    | 52.40     | 200                     | Y                                |
| United Arab Emirates | <a href="#">Ghagha Island</a>                               | Abu Dhabi           | AE014  | 24.42    | 51.58     | 800                     | Y                                |
| United Arab Emirates | <a href="#">Jebel Hafeet</a>                                | Abu Dhabi           | AE019  | 24.08    | 55.75     | 1,600                   | Y                                |
| United Arab Emirates | <a href="#">Marawah Island</a>                              | Abu Dhabi           |        | 24.30    | 53.29     | 3,500                   | Y                                |
| United Arab Emirates | <a href="#">Muhaimat Island</a>                             | Abu Dhabi           |        | 24.51    | 51.72     | 282                     | Y                                |
| United Arab Emirates | <a href="#">Qarnain Island</a>                              | Abu Dhabi           | AE012  | 24.93    | 52.85     | 300                     | Y                                |
| United Arab Emirates | <a href="#">Salahah Island</a>                              | Abu Dhabi           |        | 24.19    | 53.52     | 13                      | Y                                |
| United Arab Emirates | <a href="#">Sir Bani Yas Islands</a>                        | Abu Dhabi           | AE015  | 24.38    | 52.72     | 205                     | Y                                |
| United Arab Emirates | <a href="#">Umm Amim</a>                                    | Abu Dhabi           | AE018  | 24.24    | 53.39     | 50                      | Y                                |
| United Arab Emirates | <a href="#">Yasat Island</a>                                | Abu Dhabi           | AE016  | 24.25    | 52.00     | 2,000                   | Y                                |
| United Arab Emirates | <a href="#">Al Zorah (Khor Ajman)</a>                       | Ajman               |        | 25.43    | 55.49     | 196                     | Y                                |
| United Arab Emirates | <a href="#">Al Marmoom Desert</a>                           | Dubai               |        | 24.86    | 55.37     | 95,000                  | Y                                |
| United Arab Emirates | <a href="#">Mushrif Park</a>                                | Dubai               | AE007  | 25.22    | 55.45     | 600                     | Y                                |
| United Arab Emirates | <a href="#">Ras Al Khor Wildlife Sanctuary (Khor Dubai)</a> | Dubai               | AE009  | 25.19    | 55.32     | 620                     | Y                                |
| United Arab Emirates | <a href="#">Wadi Wurayah</a>                                | Fujairah            |        | 25.42    | 56.26     | 22,100                  | Y                                |
| United Arab Emirates | <a href="#">Khor Al Jazirah</a>                             | Ras al Khaymah      | AE001  | 25.73    | 55.87     | 500                     | Y                                |
| United Arab Emirates | <a href="#">Alqurm Wa Lehfeiyah (Khor Kalba)</a>            | Sharjah             | AE010  | 25.01    | 56.37     | 1,607                   | Y                                |
| United Arab Emirates | <a href="#">Sir Bu Na'air Island</a>                        | Sharjah             |        | 25.23    | 54.22     | 5,040                   | Y                                |
| United Arab Emirates | <a href="#">Dubai Desert</a>                                | Sharjah   Dubai     |        | 24.83    | 55.67     | 22,695                  | Y                                |
| United Arab Emirates | <a href="#">Khor Al Beidah</a>                              | Umm al Qaywayn      | AE005  | 25.56    | 55.60     | 5,000                   | Y                                |
| United Arab Emirates | <a href="#">Siniyah Island</a>                              | Umm al Qaywayn      | AE003  | 25.61    | 55.63     | 1,000                   | Y                                |
| Uzbekistan           | <a href="#">Ayakaghytma lake and surrounding desert</a>     | Bukhoro             | UZ051  | 40.61    | 64.54     | 32,854                  | Y                                |
| Uzbekistan           | <a href="#">Dengizkul Lake</a>                              | Bukhoro             | UZ021  | 39.13    | 64.11     | 49,658                  | Y                                |
| Uzbekistan           | <a href="#">Dzheiran Ecocentre</a>                          | Bukhoro             | UZ017  | 39.61    | 64.65     | 32,709                  | Y                                |
| Uzbekistan           | <a href="#">Kagan Fish Farm</a>                             | Bukhoro             | UZ016  | 39.78    | 64.68     | 1,763                   | Y                                |
| Uzbekistan           | <a href="#">Karakyr Lakes</a>                               | Bukhoro             | UZ012  | 40.40    | 63.49     | 64,242                  | Y                                |
| Uzbekistan           | <a href="#">Khodzha-Davlet</a>                              | Bukhoro             | UZ019  | 39.31    | 63.72     | 4,242                   | Y                                |
| Uzbekistan           | <a href="#">Zekry Lake</a>                                  | Bukhoro             | UZ020  | 39.25    | 64.67     | 1,555                   | Y                                |
| Uzbekistan           | <a href="#">Arnasay Lake System</a>                         | Jizzakh             | UZ030  | 40.85    | 67.83     | 31,706                  | Y                                |
| Uzbekistan           | <a href="#">Dzhum-Dzhum</a>                                 | Jizzakh             | UZ040  | 39.66    | 67.94     | 41,517                  | Y                                |
| Uzbekistan           | <a href="#">Tuzkan Lake</a>                                 | Jizzakh             | UZ035  | 40.66    | 67.53     | 107,732                 | Y                                |
| Uzbekistan           | <a href="#">Northern shore of Aydarkul Lake</a>             | Jizzakh   Navoi     | UZ029  | 40.98    | 66.86     | 158,198                 | Y                                |

| Country    | Site Name  | Subnational unit(s)              | IBA no | Latitude | Longitude | Site Area Reported (ha) | Source (IBA - Y, consultation C) |
|------------|--|----------------------------------|--------|----------|-----------|-------------------------|----------------------------------|
| Uzbekistan | <a href="#">Nuratau Range</a>  | Jizzakh   Samarkand              | UZ037  | 40.51    | 66.78     | 34,681                  | Y                                |
| Uzbekistan | <a href="#">Akpetky lakes and surrounding Aralkum Desert</a>                 | Karakalpakstan autonomous region | UZ049  | 43.65    | 60.37     | 39,146                  | Y                                |
| Uzbekistan | <a href="#">Mashankul and Khojakul lake complex</a>                          | Karakalpakstan autonomous region | UZ052  | 43.26    | 58.86     | 5,070                   | Y                                |
| Uzbekistan | <a href="#">Northern part of the Assake-Audan depression</a>                 | Karakalpakstan autonomous region | UZ004  | 42.59    | 56.31     | 5,288                   | Y                                |
| Uzbekistan | <a href="#">Saiga Nature Sanctuary</a>                                       | Karakalpakstan autonomous region | UZ001  | 44.78    | 57.78     | 511,028                 | Y                                |
| Uzbekistan | <a href="#">Sarykamysk lake and surrounding Ustyurt Plateau</a>              | Karakalpakstan autonomous region | UZ050  | 42.20    | 57.35     | 95,974                  | Y                                |
| Uzbekistan | <a href="#">Sudochye Lake</a>  | Karakalpakstan autonomous region | UZ002  | 43.48    | 58.52     | 46,467                  | Y                                |
| Uzbekistan | <a href="#">Zholdyrbas Lake</a>  | Karakalpakstan autonomous region | UZ003  | 43.50    | 59.82     | 29,723                  | Y                                |
| Uzbekistan | <a href="#">Achinskoe Lake</a>   | Kashkadarya                      | UZ022  | 38.68    | 65.06     | 6,363                   | Y                                |
| Uzbekistan | <a href="#">Chimkurgan Reservoir</a>   | Kashkadarya                      | UZ041  | 38.97    | 66.41     | 4,189                   | Y                                |
| Uzbekistan | <a href="#">Gissar State Nature Reserve</a>                                  | Kashkadarya                      | UZ042  | 38.91    | 67.43     | 110,105                 | Y                                |
| Uzbekistan | <a href="#">South-west Gissar Foothills</a>                                  | Kashkadarya                      | UZ043  | 38.35    | 66.11     | 19,928                  | Y                                |
| Uzbekistan | <a href="#">Talimardzhan Reservoir</a>                                       | Kashkadarya                      | UZ023  | 38.42    | 65.55     | 85,989                  | Y                                |
| Uzbekistan | <a href="#">Khorezm Fish Farm and adjacent lakes</a>                         | Khorezm                          | UZ011  | 41.27    | 60.55     | 22,060                  | Y                                |
| Uzbekistan | <a href="#">Angren Plateau</a>   | Namangan                         | UZ027  | 41.22    | 70.67     | 25,310                  | Y                                |
| Uzbekistan | <a href="#">Mirzaaral Tugay</a>  | Namangan                         | UZ034  | 40.81    | 71.04     | 1,862                   | Y                                |
| Uzbekistan | <a href="#">Aksay Lake and surrounding desert</a>                            | Navoi                            | UZ007  | 42.08    | 63.00     | 2,033                   | Y                                |
| Uzbekistan | <a href="#">Bukantau Mountain Range</a>                                      | Navoi                            | UZ006  | 42.65    | 63.57     | 8,927                   | Y                                |
| Uzbekistan | <a href="#">Buzaubay</a>   | Navoi                            | UZ009  | 41.76    | 62.65     | 285,376                 | Y                                |
| Uzbekistan | <a href="#">Mount Aktau</a>  | Navoi                            | UZ010  | 41.67    | 64.48     | 4,306                   | Y                                |
| Uzbekistan | <a href="#">Rogatoe Lake</a>   | Navoi                            | UZ008  | 41.95    | 63.32     | 3,861                   | Y                                |
| Uzbekistan | <a href="#">Sarmysk Nature Park</a>  | Navoi                            | UZ013  | 40.32    | 65.66     | 5,769                   | Y                                |
| Uzbekistan | <a href="#">The desert around Kurkuduk village</a>                           | Navoi                            | UZ005  | 42.98    | 63.52     | 117,240                 | Y                                |
| Uzbekistan | <a href="#">Tudakul and Kuymazar Reservoirs</a>                              | Navoi                            | UZ015  | 39.85    | 64.83     | 33,648                  | Y                                |
| Uzbekistan | <a href="#">Karnabchul Steppe</a>  | Samarkand                        | UZ018  | 39.61    | 65.40     | 177,156                 | Y                                |
| Uzbekistan | <a href="#">Kattakurgan Reservoir</a>  | Samarkand                        | UZ038  | 39.78    | 66.26     | 14,249                  | Y                                |
| Uzbekistan | <a href="#">Zarafshan State Nature Reserve</a>                               | Samarkand                        | UZ039  | 39.60    | 67.24     | 2,712                   | Y                                |
| Uzbekistan | <a href="#">Aktepe Reservoir and Three Lakes</a>                             | Surkhandarya                     | UZ048  | 37.42    | 67.49     | 2,987                   | Y                                |
| Uzbekistan | <a href="#">Amudarya floodlands near Termez</a>                              | Surkhandarya                     | UZ047  | 37.38    | 67.00     | 10,693                  | Y                                |
| Uzbekistan | <a href="#">Darasay Gorge</a>  | Surkhandarya                     | UZ045  | 38.06    | 67.47     | 638                     | Y                                |
| Uzbekistan | <a href="#">Middle reaches of the Sherabad River</a>                         | Surkhandarya                     | UZ044  | 37.98    | 67.09     | 22,576                  | Y                                |
| Uzbekistan | <a href="#">Yuzhno-Surkhan (South-Surkhan) Reservoir</a>                     | Surkhandarya                     | UZ046  | 37.84    | 67.64     | 1,208                   | Y                                |
| Uzbekistan | <a href="#">Balykchi Fish Farm</a>   | Tashkent                         | UZ031  | 40.88    | 68.76     | 4,446                   | Y                                |
| Uzbekistan | <a href="#">Bashkizylsai Unit of the Chatkal Mountains Biosphere Reserve</a> | Tashkent                         | UZ028  | 41.20    | 69.89     | 11,431                  | Y                                |
| Uzbekistan | <a href="#">Central section of the Kurama Mountain Range</a>                 | Tashkent                         | UZ033  | 40.89    | 70.22     | 34,693                  | Y                                |
| Uzbekistan | <a href="#">Dalverzin State Forestry and Hunting Management Area</a>         | Tashkent                         | UZ036  | 40.53    | 69.11     | 1,185                   | Y                                |
| Uzbekistan | <a href="#">Oygaining River Valley</a>                                       | Tashkent                         | UZ024  | 42.07    | 70.85     | 138,896                 | Y                                |
| Uzbekistan | <a href="#">Pulatkhon Gorge</a>  | Tashkent                         | UZ025  | 41.44    | 70.16     | 2,323                   | Y                                |
| Uzbekistan | <a href="#">Terekisai section of the Chatkal Mountains Biosphere Reserve</a> | Tashkent                         | UZ026  | 41.30    | 70.28     | 5,294                   | Y                                |
| Uzbekistan | <a href="#">Tuyabuguz Reservoir</a>  | Tashkent                         | UZ032  | 40.97    | 69.32     | 1,450                   | Y                                |
| Yemen      | <a href="#">Falang - Momi coast and cliffs (Socotra)</a>                     | 'Adan                            | YE051  | 12.53    | 54.48     | 5,000                   | Y                                |
| Yemen      | <a href="#">Hamaderoh plateau and scarp (Socotra)</a>                        | 'Adan                            | YE045  | 12.60    | 54.28     | 10,000                  | Y                                |

## **Annex 7. Overview of information on sites/habitats of critical importance for migratory birds in the CAF**

As per the national questionnaires

**Black-throated Thrush** (photo: Vincent Legrand/ Agami)



| <b>Country</b> | <b>National list or database of sites/habitats of critically importance for migratory birds</b>   | <b>Critically important sites/habitats are officially designated as protected areas</b>   |
|----------------|---|---|
| Afghanistan    | List provided, Band-i-Amir National Park, Wakhan National Park, Shah Foladi Natural Landscape, Bamyan Plato, Kol-i-Hashmat Khan Waterfowl Sanctuary, Nooristan Natural Forests, Dasht-i-Nawar Sanctuary, Darqad PA, Imam Sahib Tugai Forests, Mandahir Natural Forests, Admammad PA, Pozak and Sabiri Lakes, Dara-i-Noor PA, Panjpiran PA, Dahla Dame, Dawlat Shah Natural Forests, Azra Natural Forests, Rig-i-Rawan Landscape, and Shah Foladi Second Part (Maidan Wardak). | Wakhan National Park, Shah Foladi Natural Landscape, Bamyan Plato, Kol-i-Hashmat Khan Waterfowl Sanctuary, Nooristan Natural Forests, Dasht-i-Nawar Sanctuary, Darqad PA, and Imam Sahib Tugai Forests. |
| Armenia        | List on <a href="http://rbcu.ru/programs/78/27222/">http://rbcu.ru/programs/78/27222/</a> and for forestry IBA <a href="https://hcvf.ru/ru/maps">https://hcvf.ru/ru/maps</a>  | only state PAs  |
| Bahrain        | <a href="https://criticalsites.wetlands.org/en/countries/BHR?zoom=9&amp;lat=25.93087163227338&amp;lng=50.5496405374916&amp;view=map">https://criticalsites.wetlands.org/en/countries/BHR?zoom=9&amp;lat=25.93087163227338&amp;lng=50.5496405374916&amp;view=map</a>   | Hawar Islands, Arad Island, Tubli Bay, Jarem Islands, Areen protected Area, Buhair Valley   |

| Country                        | National list or database of sites/habitats of critically importance for migratory birds  | Critically important sites/habitats are officially designated as protected areas   |
|--------------------------------|---|--|
| Bangladesh                     | <p>The Department of Environment has declared Tanguar Haor and Sonadia Island Ecologically Critical Area. Other sites are Baikka Beel, Hakaluki Haor, Hail Haor, St.Martins Island, Muhuri Dam, Domarchar, Ganguirar Char, Thangar Char, Hatia Beach, Nijhum-Dwip, JaijjarChar, Muktaria Channel, Inani beach, Patenga Beach, Choroil Beel, Bakor Ali, Godagari, Bidirpur, Premtoli, Godagari, Char Shajalal, Char Birbira, Char Kukri Kukri, Char Momutaz, Char Monpura North, Char Pial, Sonar Char, Khidirpur, Alatuli Char, Homar Char, Boyalmari Char, Khorchaka, Kajla Char and Pakhimara. The IBA list is old and has not been updated since 2012.</p> <p>eBird has a list of bird hotspots: <a href="https://ebird.org/region/BD/hotspots">https://ebird.org/region/BD/hotspots</a></p> | <p>Many important sites are not protected and not all Ecologically Critical Areas are recognized as protected areas. For example, Nijhum Dweep and Tanguar Hoar were declared a protected area by the government and a few others are being processed or listed as important areas (Baikka beel, Hakaluki Haor, Sonadia Island, St. Martins Island, Sonar Char, and Char Kukri Kukri).</p> <p>The UNEP-WCMC (2020) has a list of protected areas. Altadighi National Park, Bangabandhu Safari Park Cox Bazar, Bangabandhu Safari Park Gazipur, Baroiyadhala National Park, Barshijora Eco-Park, Bhawal National Park, Chadpai Wildlife Sanctuary, Char Kukri-Mukri Wildlife Sanctuary, Churnati Wildlife Sanctuary, Dhangmari Wildlife Sanctuary, Dudhmukhi Wildlife Sanctuary, Dudpukuria-Dhopachari Wildlife Sanctuary, Fasiakhali Wildlife Sanctuary, Hazarikhil Wildlife Sanctuary, Himchari National Park, Inani National Park, Kadigarh National Park, Kaptai National Park, Khadim Nagar National Park, Kuakata Ecopark, Lawachara National Park, Madhupur National Park, Madhutila Eco Park, Marine Reserve, Medhakachhapi National Park, Mirpur Botanic Garden, Nagarbari-Mohanganj Dolphin Sanctuary, Nawabganj National Park, Nazirganj Dolphin Sanctuary, Nijhum Dweep National Park, Pab-lakhali Wildlife Sanctuary, Rajeshpur Eco-Park, Ramsagar National Park, Rema-Kalenga Wildlife Sanctuary, Sangu Matamuhari, Satchari National Park, Shilanda-Nagdemra Dolphin Sanctuary, Singra National Park Sitakunda Eco-Park, Sonarchar Wildlife Sanctuary, The Sundarbans Sundarbans East Wildlife Sanctuary, Sundarbans South Wildlife Sanctuary, Sundarbans West Wildlife Sanctuary, Sundarbans Reserved Forest, Swatch of No Ground Marine Protected Area, Tanguar Haor Teknaf Game Reserve, Tengragiri Wildlife Sanctuary, Tilagor Eco Park.</p> |
| Bhutan                         | Phobjikha, Khotokha, Gaytsa, Tang, Bumdeling, Lhamoizhingka, Bajo, Longakhola, Toorsa Amochu, and Babesa Sewage Pond.   | Bumdeling, Lhamouzhingka, Longakhola, and Phobjikha (park buffer).   |
| British Indian Ocean Territory | <a href="http://www.datazone.birdlife.org/site/results?cty=31&amp;fam=0&amp;gen=0">http://www.datazone.birdlife.org/site/results?cty=31&amp;fam=0&amp;gen=0</a>   | <a href="http://www.datazone.birdlife.org/site/results?cty=31&amp;fam=0&amp;gen=0">http://www.datazone.birdlife.org/site/results?cty=31&amp;fam=0&amp;gen=0</a>  |
| China                          | A list of important habitats is being formulated.   | All important bird habitats in China have been designated as protected areas.  |
| Georgia                        |   |  |

| <b>Country</b> | <b>National list or database of sites/habitats of critically importance for migratory birds</b>   | <b>Critically important sites/habitats are officially designated as protected areas</b>  |
|----------------|---|--|
| India          | A list of sites prioritised in CAF National Action Plan in Annex 2. <a href="http://moef.gov.in/wp-content/uploads/2018/03/CAF_NAP_Final-with-CL.pdf">http://moef.gov.in/wp-content/uploads/2018/03/CAF_NAP_Final-with-CL.pdf</a> ; <a href="http://datazone.birdlife.org/site/results?thrlev1=&amp;thrlev2=&amp;k-w=&amp;reg=2&amp;cty=99&amp;snm=&amp;fam=0&amp;-gen=0&amp;spc=&amp;cmn=">http://datazone.birdlife.org/site/results?thrlev1=&amp;thrlev2=&amp;k-w=&amp;reg=2&amp;cty=99&amp;snm=&amp;fam=0&amp;-gen=0&amp;spc=&amp;cmn=</a> | Annex 5. Protected wetlands, wetland clusters and land bird sites prioritized for conservation of migratory birds in India under CAF-National Action Plan  |
| Kazakhstan     | List of wetlands of international (Ramsar sites - 10 sites) and national importance (47); List of Important Bird and Biodiversity Areas (127 sites)   | 39 IBAs are fully protected as PAs and hunting concessions   |
| Kyrgyzstan     | A list of IBAs and Protected Areas is available, an evaluation of sites of importance for migratory birds is needed.  |  |
| Maldives       | Important sites such as the environmentally sensitive areas are listed by the Environment Protection Agency   |  |
| Mongolia       | Important Bird and Biodiversity Area ( <a href="http://wsc.org.mn">wsc.org.mn</a> ); There is a Ramsar database at the Ministry of Environment and Tourism  | Of these, 18 areas are included in the Strictly Protected Area, 26 in the National Park, 20 in the Nature Reserve, and 8 in the Historical monuments (Nyambayar, Tseveenmyadag, 2009).   |
| Myanmar        | Davidson, N.C., McInnes, R.J. & Rodda, H.J.E. 2019. Conservation of biodiversity and improved management of protected areas in Myanmar: Provisional working list of Myanmar wetlands potentially qualifying as internationally important under the Ramsar Convention on Wetlands. Report to NWCD, Naw Pyi Taw, Myanmar.<br><br>This report identifies up to 99 wetlands which may qualify for Ramsar designation, but not all are identified for migratory waterbirds. The report is not available for download, can be provided on request.  | Myanmar has designated 6 Ramsar Sites, each of which qualifies for migratory waterbirds. All 6 are also designated as EAAFP Flyway Network Sites. These are: Nanthar Island & Mayyu Estuary Inlay Lake Indawgyi Meinmahla Kyun Gulf of Mottama Moeyungyi |



| Country      | National list or database of sites/habitats of critically importance for migratory birds  | Critically important sites/habitats are officially designated as protected areas  |
|--------------|---|---|
| Nepal        | <p>Important Birds and Biodiversity Area in Nepal are identified and published (Baral and Inskipp 2005). Biodiversity Profiles of Nepal produced by Department of National Parks and Wildlife Conservation. National Red List of Birds (2016; <a href="https://www.zsl.org/conservation/regions/asia/national-red-lists-of-nepals-birds-and-mammals">https://www.zsl.org/conservation/regions/asia/national-red-lists-of-nepals-birds-and-mammals</a>).</p> <p>eBird's IBA hotspots <a href="https://ebird.org/hotspots">https://ebird.org/hotspots</a></p> <p>Corridors and bottlenecks protected through different conservation projects such as Terai Arc Landscapes are also listed.</p> <p>A list of Ramsar sites is also available (Shrestha et al.2020).</p> | <p>All of Nepal's protected areas are listed as IBAs (Koshi Tappu Wildlife Reserve, Chitwan National Park, Jagdishpur Bird Sanctuary, Ghodaghodi Bird Sanctuary, Rara National Park, Suklaphata National Park, Bardia National Park, Langtang National Park, Sagarmatha National Park, Shey-Phoksundo National Park etc.). Some Ramsar sites are protected.</p> |
| Oman         | <p>A general list for biodiversity, birds, and maps by the Environment Authority supervised by the Ministry of housing and urban planning.</p>  | <p>more than 60% of important birds area considered as protected areas.</p>   |
| Pakistan     | <p>No database available. A system of protected areas including National Parks, Wildlife Sanctuaries, Game Reserves, Waterfowl Refuge, and Community-Managed Conservation Areas exist which provide safe habitat including for migratory species.</p> <p>All Ramsar sites, all barrages and headworks, and all prominent lakes across country. <a href="https://pakistandata.net/protected-areas-of-pakistan/">https://pakistandata.net/protected-areas-of-pakistan/</a> <a href="https://rsis.ramsar.org/sites/default/files/rsiswp_search/exports/Ramsar-Sites-annotated-summary-Pakistan.pdf?1566478226">https://rsis.ramsar.org/sites/default/files/rsiswp_search/exports/Ramsar-Sites-annotated-summary-Pakistan.pdf?1566478226</a></p>                        | <p>Important habitat areas are designated as National Parks, Wildlife Sanctuaries, Waterfowl Refuge, Game Reserves and Community-Managed Conservation Areas which provide safe habitat for wildlife including migratory species. There are 19 Ramsar Sites in Pakistan which are important habitats for the migratory species.</p>                              |
| Qatar        |   | <p><a href="https://www.protectedplanet.net/country/QAT">https://www.protectedplanet.net/country/QAT</a></p>  |
| Russia       | <p><a href="http://rbcu.ru/programs/78/27222/">http://rbcu.ru/programs/78/27222/</a> and here for forestry IBA <a href="https://hcvf.ru/ru/maps">https://hcvf.ru/ru/maps</a></p>  | <p>only state PA</p>  |
| Saudi Arabia | <p>The list of IBAs is being updated.</p>   |   |
| Sri Lanka    | <p><a href="http://datazone.birdlife.org/userfiles/file/IBAs/AsiaCntryPDFs/Sri_Lanka.pdf">http://datazone.birdlife.org/userfiles/file/IBAs/AsiaCntryPDFs/Sri_Lanka.pdf</a></p>  | <p>18 sites are protected</p>   |
| Tajikistan   | <p>Needs to be produced</p>   |   |

| Country              | National list or database of sites/habitats of critically importance for migratory birds  | Critically important sites/habitats are officially designated as protected areas   |
|----------------------|---|--|
| Turkmenistan         | A list of 51 IBAs and Protected Areas is available, an evaluation of sites of importance for migratory birds is needed.                                 |  |
| United Arab Emirates | Not aware of any centralised database, however the IBAs and KBAs inventory will provide some of this information  | A majority of important sites within AD Emirate are covered within a network of 19 terrestrial and marine protected areas in the Emirate |
| Uzbekistan           | A list of 51 IBAs and Protected Areas is available, an evaluation of sites of importance for migratory birds is needed. IBA do not have a legal status. |  |
| Yemen                | <a href="http://datazone.birdlife.org/country/yemen/ibas">http://datazone.birdlife.org/country/yemen/ibas</a>   | Socotra Island   |

A flock of Great white pelicans as seen in Bharatpur, India. (Photo: Dr. Nisha Singh)





| Country              | Identification of important areas for designation and protection | Management (restoration) of Protected areas for migratory birds | Management (restoration) of Ramsar Sites for migratory birds | Management (restoration) of World Heritage site for migratory birds | Management (restoration) of Flyway Network sites | Management (restoration) of Important Bird and Biodiversity Areas | Management (restoration) of Privately managed areas | Species Conservation Plans | National Reports to Conventions, Agreements, regional initiatives | National Biodiversity Strategies & Action Plans | Decisions concerning utilisation of migratory bird populations through a legalised hunting system |
|----------------------|--|---|--|---|--|---|---|----------------------------|---|---|---|
| Sri Lanka            | Yes  | Partly-Yes  | Yes  | Partly-Yes  | Partly   | Partly-Yes  | Partly  | Yes                        | Yes   | Yes   | Do not know   |
| Tajikistan           | -  | -   | -  | -   | -  | -   | -   | -                          | -   | -   | -   |
| Turkmenistan         | Yes  | Partly  | Yes  | NA  | Yes  | Partly  | NA  | Yes                        | Yes   | Yes   | Partly  |
| United Arab Emirates | Yes  | Yes   | Yes  | Yes   |  | Yes   | Yes   | Yes                        | Yes   | Yes   |   |
| Uzbekistan           | Yes  | Yes   | Yes  | Yes   | Partly   | Yes   | No  | Yes                        | Partly  | Partly  | Partly  |
| Yemen                | Partly   | Partly  | Partly   | Partly  | Partly   | Partly  | No  | Partly                     | Partly  | Partly  | Partly  |
| <b>Yes</b>           | <b>15</b>  | <b>13</b>   | <b>13</b>  | <b>7</b>  | <b>6</b>   | <b>11</b>   | <b>7</b>  | <b>16</b>                  | <b>14</b>   | <b>13</b>                                       | <b>8</b>  |
| <b>Partly</b>        | <b>5</b>   | <b>7</b>  | <b>5</b>   | <b>8</b>  | <b>8</b>   | <b>7</b>  | <b>6</b>  | <b>6</b>                   | <b>8</b>  | <b>8</b>  | <b>6</b>  |
| <b>Yes-partly</b>    | <b>2</b>   | <b>1</b>  | <b>1</b>   | <b>1</b>  | <b>1</b>   | <b>2</b>  | <b>1</b>  | <b>0</b>                   | <b>0</b>  | <b>1</b>  | <b>0</b>  |
| <b>No</b>            | <b>0</b>   | <b>1</b>  | <b>4</b>   | <b>5</b>  | <b>6</b>   | <b>3</b>  | <b>7</b>  | <b>1</b>                   | <b>1</b>  | <b>1</b>  | <b>8</b>  |
| <b>Total</b>         | <b>22</b>  | <b>22</b>   | <b>23</b>  | <b>21</b>   | <b>21</b>  | <b>23</b>   | <b>21</b>   | <b>23</b>                  | <b>23</b>   | <b>23</b>                                       | <b>22</b>   |
| <b>% Yes</b>         | <b>68.2</b>  | <b>59.1</b>   | <b>56.5</b>  | <b>33.3</b>   | <b>28.6</b>                                      | <b>47.8</b>   | <b>33.3</b>   | <b>69.6</b>                | <b>60.9</b>   | <b>56.5</b>                                     | <b>36.4</b>   |

## Annex 9. Summary of main threats to habitats important for migratory birds in the CAF

As per the national questionnaires

| Country              | Habitat loss/ destruction | Habitat degradation | Mineral exploration/ extraction | Sand mining from rivers | Unsustainable land/ resource use | Urbanization    | Marine/ coastal debris (including plastics) | Other forms of solid or liquid pollution | Too much/too little water | Fire      | Road/highway construction |
|----------------------|---------------------------|---------------------|---------------------------------|-------------------------|----------------------------------|-----------------|---|--|---------------------------|-----------|---------------------------|
| Afghanistan          | Severe                    | Moderate            | Not known                       | Moderate                | Severe                           | Moderate        |   |  | Severe                    | Not known | Not known                 |
| Armenia              | Moderate                  | Moderate            | Severe                          | Severe                  | Moderate                         | Moderate        | Severe                                      | Moderate                                 | Severe                    | Moderate  | Moderate                  |
| Azerbaijan           | -                         | -                   | -                               | -                       | -                                | -               | -   | -  | -                         | -         | -                         |
| Bahrain              | Moderate                  | Moderate            | Not known                       | Not known               | Not known                        | Severe          |   | Moderate                                 | Not known                 | -         | Severe                    |
| Bangladesh           | Severe                    | Severe              | Moderate                        | Low                     | Severe                           | Severe          | Moderate-Severe                             | Severe                                   | Severe                    | Low       | Moderate                  |
| Bhutan               | Moderate                  | Low                 | Low-Moderate                    | Moderate                | Moderate                         | Moderate        | Low   | Low                                      | Low                       | Low       | Low-Moderate              |
| BIOT                 | Low                       | Low                 | Low                             | Low                     | Low                              | NA              | Not known                                   | Low                                      | Low                       | Low       | NA                        |
| China                | Severe                    | Severe              | Moderate                        | Moderate                | Moderate                         | Moderate        | Moderate                                    | Moderate                                 | Severe                    | Moderate  | Moderate                  |
| Georgia              | Moderate                  | Moderate            | -                               | Low                     | Moderate                         | Moderate        | Moderate                                    | -  | Low                       | Low       | Moderate                  |
| India                | Severe                    | Severe              | Not known                       | Severe                  | Severe                           | Severe          | Not known                                   | Not known                                | Severe                    | Not known | Not known                 |
| Iran                 | Severe                    | -                   | -                               | -                       | -                                | -               | -   | -  | -                         | -         | -                         |
| Iraq                 | Severe                    | Moderate            | Low                             | Not known               |                                  |                 | Low   | Low                                      | Severe                    | Moderate  |                           |
| Kazakhstan           | Moderate                  | Moderate            | Not known                       | Not known               | Moderate                         | Moderate        | Not known                                   | Not known                                | Not known                 | Moderate  | Not known                 |
| Kuwait               | Severe                    | Severe              | -                               | -                       | -                                | -               | -   | -  | -                         | -         | -                         |
| Kyrgyzstan           | Severe                    | Moderate            | Not known                       | Not known               | Not known                        | Not known       | NA  | Not known                                | Moderate                  | Not known | Not known                 |
| Maldives             | Not known                 | Not known           | Not known                       | Not known               | Not known                        | Not known       | Not known                                   | Not known                                |                           |           |                           |
| Mongolia             | Moderate                  | Moderate            | Moderate                        | Low                     | Moderate                         | Low             | NA  | Not known                                | Moderate                  | Low       | Low                       |
| Myanmar              | Severe                    | Severe              | Severe                          | Severe                  | Moderate-Severe                  | Moderate        | Moderate                                    | NA                                       | Moderate                  | NA        | Moderate                  |
| Nepal                | Moderate                  | Moderate            | Low                             | Moderate                | Low                              | Moderate        | NA  | Moderate                                 | Low                       | Moderate  | Moderate                  |
| Oman                 | Severe                    | Low                 | Low                             | Low                     | Low                              | Low             | Low   | Low                                      | Low                       | Low       | Low                       |
| Pakistan             | Moderate-Severe           | Moderate-Severe     | Moderate-Severe                 | Moderate-Severe         | Moderate-Severe                  | Moderate-Severe | Moderate-Severe                             | Severe                                   | Severe                    | Moderate  | Severe                    |
| Qatar                | -                         | -                   | -                               | -                       | -                                | -               | -   | -  | -                         | -         | -                         |
| Russia               | Moderate                  | Severe              | Severe                          | Severe                  | Severe                           | Severe          | Low   | Moderate                                 | Severe                    | Severe    | Severe                    |
| Saudi Arabia         | -                         | Low                 | Not known                       | Not known               | Low                              | Moderate        | Low   | Moderate                                 | Not known                 | Not known | Low                       |
| Sri Lanka            | Severe                    | Severe              | Low                             | Low                     | Moderate-Severe                  | Moderate        | Moderate                                    | Moderate                                 | Low-Moderate              | Low       | Moderate                  |
| Tajikistan           | -                         | -                   | -                               | -                       | -                                | -               | -   | -  | -                         | -         | -                         |
| Turkmenistan         | Low                       | Moderate            | Low                             | Low                     | Not known                        | Moderate        | NA  | Low                                      | Moderate                  | Moderate  | Low                       |
| United Arab Emirates | Low                       | Moderate            | -                               | -                       | -                                | Moderate        | Low   | -  | -                         | -         | -                         |
| Uzbekistan           | Low                       | Low                 | Moderate                        | Severe                  | Severe                           | Moderate        | Moderate                                    | Not known                                | Moderate                  | Low       | Low                       |

| Country                | Habitat loss/ destruction | Habitat degradation | Mineral exploration/ extraction | Sand mining from rivers | Unsustainable land/ resource use | Urbanization    | Marine/ coastal debris (including plastics) | Other forms of solid or liquid pollution | Too much/too little water | Fire            | Road/highway construction |
|------------------------|---------------------------|---------------------|---------------------------------|-------------------------|----------------------------------|-----------------|---|--|---------------------------|-----------------|---------------------------|
| Yemen                  | Moderate-Severe           | Moderate-Severe     | Moderate-Severe                 | Moderate-Severe         | Moderate-Severe                  | Moderate-Severe | Moderate-Severe                             | Moderate-Severe                          | Moderate-Severe           | Moderate-Severe | Moderate-Severe           |
| <b>Severe</b>          | 11                        | 8                   | 4                               | 6                       | 6                                | 5               | 2   | 3  | 9                         | 1               | 3                         |
| <b>Moderate-Severe</b> | 2                         | 2                   | 2                               | 2                       | 4                                | 2               | 3   | 1  | 1                         | 1               | 1                         |
| <b>Moderate</b>        | 9                         | 11                  | 4                               | 4                       | 6                                | 13              | 5   | 7  | 5                         | 8               | 8                         |
| <b>Moderate-Low</b>    | 0                         | 0                   | 1                               | 0                       | 0                                | 0               | 0   | 0  | 1                         | 0               | 1                         |
| <b>Low</b>             | 4                         | 5                   | 6                               | 7                       | 4                                | 2               | 6   | 5  | 5                         | 8               | 5                         |
| <b>Total</b>           | 26                        | 26                  | 17                              | 19                      | 20                               | 22              | 16  | 16                                       | 21                        | 18              | 18                        |

**Black-necked Crane** (Photo: Thinley Wangchuk)



## Annex 10. Overall level of general awareness amongst major stakeholders in the CAF

As per the national questionnaires

| Country              | National authorities responsible for habitat and migratory bird management | Local authorities responsible for habitat and migratory bird management | General urban adult population | General rural adult population | School and college children |
|----------------------|--|---|--------------------------------|--------------------------------|-----------------------------|
| Afghanistan          | Low  | Low   | Low                            | Low                            | Low                         |
| Armenia              | Mod  | Low   | Low                            | Low                            | Mod                         |
| Azerbaijan           | -  | -   | -                              | -                              | -                           |
| Bahrain              | High   | Mod   | Mod                            | Mod                            | Mod                         |
| Bangladesh           | Mod  | Low   | Low                            | Low                            | Low                         |
| Bhutan               | Mod  | Mod   | Low                            | Low                            | Mod                         |
| BIOT                 | High   | High  | NA                             | NA                             | NA                          |
| China                | High   | High  | Mod                            | Mod                            | Mod                         |
| Georgia              | Low  | Low   | Low                            | Low                            | Low                         |
| India                | Mod  | Mod   | Mod                            | Low                            | Low                         |
| Iran                 | -  | -   | -                              | -                              | -                           |
| Iraq                 | -  | -   | -                              | -                              | -                           |
| Kazakhstan           | Mod  | Mod   | Low                            | Low                            | Low                         |
| Kuwait               | -  | -   | -                              | -                              | -                           |
| Kyrgyzstan           | Mod  | Low   | Low                            | Low                            | Low                         |
| Maldives             | High   | Mod   | Not known                      | Not known                      | Not known                   |
| Mongolia             | Low  | Low   | Low                            | Low                            | Low                         |
| Myanmar              | Mod  | Mod   | Mod                            | Low                            | Low                         |
| Nepal                | Mod  | Low   | Low                            | Low                            | Low                         |
| Oman                 | High   | High  | Mod                            | Mod                            | low                         |
| Pakistan             | High   | High  | Mod - Low                      | Low                            | Mod - Low                   |
| Qatar                | -  | -   | -                              | -                              | -                           |
| Russia               | Mod  | Mod   | Low                            | Low                            | Mod                         |
| Saudi Arabia         | High   | Mod   | Mod                            | High                           | High                        |
| Sri Lanka            | Mod  | Mod   | Low                            | Low                            | Low                         |
| Tajikistan           | -  | -   | -                              | -                              | -                           |
| Turkmenistan         | Mod  | Low   | Low                            | Low                            | Low                         |
| United Arab Emirates | Mod  | Mod   | High                           | -                              | Mod                         |
| Uzbekistan           | Mod  | Low   | Low                            | Low                            | Low                         |
| Yemen                | Mod  | High  | Low                            | Mod                            | Low                         |
| <b>High</b>          | <b>7</b>   | <b>5</b>  | <b>1</b>                       | <b>1</b>                       | <b>1</b>                    |
| <b>Moderate-High</b> | <b>0</b>   | <b>0</b>  | <b>0</b>                       | <b>0</b>                       | <b>0</b>                    |
| <b>Moderate</b>      | <b>14</b>  | <b>10</b>   | <b>6</b>                       | <b>4</b>                       | <b>6</b>                    |
| <b>Moderate-Low</b>  | <b>0</b>   | <b>0</b>  | <b>0</b>                       | <b>0</b>                       | <b>0</b>                    |
| <b>Low</b>           | <b>3</b>   | <b>9</b>  | <b>14</b>                      | <b>16</b>                      | <b>14</b>                   |
| <b>Do not know</b>   | <b>0</b>   | <b>0</b>  | <b>1</b>                       | <b>1</b>                       | <b>1</b>                    |
| <b>Total</b>         | <b>24</b>  | <b>24</b>   | <b>22</b>                      | <b>22</b>                      | <b>22</b>                   |

## Annex 11. Summary of success of awareness raising activities implemented in the last three years

As per the national questionnaires

| Country      | Public awareness-raising campaigns | Teaching programmes in schools or colleges | Community-based celebrations, exhibitions and other events | Press & media publicity, including social media | Interpretation at nature visitor centres, reserves and other sites | Dissemination of special publications, information resources |
|--------------|------------------------------------|--|--|---|--|--|
| Afghanistan  | Strongly pos                       | Do not know                                | Do not know  | Mod pos   | Do not know  | Do not know  |
| Armenia      | Mod pos                            | -  | Mod pos  | Mod pos   | Slightly pos   | Mod pos  |
| Azerbaijan   | -                                  | -  | -  | -   | -  | -  |
| Bahrain      | Mod pos                            | Mod pos                                    | Mod pos  | Mod pos   | Mod pos  | Mod pos  |
| Bangladesh   | Mod pos                            | Strongly pos                               | Mod pos  | Strongly pos                                    | Mod pos  | Slightly pos   |
| Bhutan       | Slightly pos-Strongly pos          | Mod pos-Strongly pos; two each.            | Mod pos  | Strongly pos                                    | Mod pos  | Strongly pos   |
| BIOT         | NA                                 | NA   | NA   | NA  | NA   | NA   |
| China        | Highly pos                         | Mod pos                                    | Mod pos  | Highly pos - Mod pos                            | Mod pos  | -  |
| Georgia      | Slightly pos                       | Slightly pos                               | Slightly pos   | Slightly pos                                    | Slightly pos   | Slightly pos   |
| India        | Mod pos                            | Mod pos                                    | Mod pos  | Mod pos   | Mod pos  | Slightly pos   |
| Iran         | -                                  | -  | -  | -   | -  | -  |
| Iraq         | -                                  | -  | -  | -   | -  | -  |
| Kazakhstan   | Do not know                        | Do not know                                | Do not know  | Do not know                                     | Do not know  | Do not know  |
| Kuwait       | Highly pos                         | low  | low  | Mod pos   | low  | Low  |
| Kyrgyzstan   | Do not know                        | Do not know                                | Do not know  | Do not know                                     | Do not know  | Do not know  |
| Maldives     | Do not know                        | Do not know                                | Do not know  | Do not know                                     | Do not know  | Do not know  |
| Mongolia     | Mod pos                            | Mod pos                                    | Highly pos   | Highly pos                                      | Highly pos   | Mod pos  |
| Myanmar      | Mod pos                            | Mod pos                                    | Mod pos  | Mod pos   | Mod pos  | Slightly pos   |
| Nepal        | Mod pos                            | Mod pos                                    | Mod pos  | Mod pos   | Slightly pos   | Mod pos  |
| Oman         | Mod pos                            | Mod pos                                    | Slightly pos   | Highly pos                                      | No impact  | Highly pos   |
| Pakistan     | Strongly pos                       | Strongly pos                               | Mod pos-Strongly pos                                       | Slightly pos-Mod pos                            | Mod pos-Strongly pos   | Mod pos-Strongly pos   |
| Qatar        | Highly pos                         | Highly pos                                 | Highly pos   | Highly pos                                      | Highly pos   | Highly pos   |
| Russia       | Highly pos                         | Mod pos                                    | Mod pos  | Highly pos                                      | Mod pos  | Mod pos  |
| Saudi Arabia | -                                  | Do not know                                | Do not know  | Highly pos                                      | Do not know  | Do not know  |
| Sri Lanka    | Mod pos                            | Mod pos-Strongly pos; one each             | Slightly pos-Strongly pos; one each                        | Strongly pos                                    | Mod pos-Strongly pos; one vote each                                | Slightly pos-Strongly pos; one vote each                     |



| Country              | Public awareness-raising campaigns | Teaching programmes in schools or colleges | Community-based celebrations, exhibitions and other events | Press & media publicity, including social media | Interpretation at nature visitor centres, reserves and other sites | Dissemination of special publications, information resources |
|----------------------|------------------------------------|--|--|---|--|--|
| Tajikistan           | -                                  | -  | -  | -   | -  | -  |
| Turkmenistan         | Mod pos                            | Do not know                                | Highly pos   | Do not know                                     | Do not know  | Do not know  |
| United Arab Emirates | Strongly pos                       | Mod pos                                    | -  | Strongly pos                                    | Strongly pos   | -  |
| Uzbekistan           | Mod pos                            | Do not know                                | Do not know  | Mod pos   | Do not know  | Do not know  |
| Yemen                | No impact                          | Slightly pos                               | Slightly pos   | No impact                                       | No impact  | Slightly pos   |

A flock of Bar-headed Goose taking to the sky in India. (Photo: Sathiyaselvam P.)



## Annex 12. Overview of capacity of different stakeholders for migratory bird research in the CAF

As per the national questionnaires

| Country              | National authorities responsible for habitat and migratory bird management | Local authorities responsible for habitat & migratory bird management | Research Institutions | Universities | Schools     | NGOs        | Volunteers / birding community | Local communities |
|----------------------|--|---|-----------------------|--------------|-------------|-------------|--------------------------------|-------------------|
| Afghanistan          | Mod  | Low   | Mod                   | Mod          | Low         | Low         | Do not know                    | Low               |
| Armenia              | Low  | Low   | Low                   | Low          | Low         | High        | Mod                            | Low               |
| Azerbaijan           | -  | -   | -                     | -            | -           | -           | -                              | -                 |
| Bahrain              | Mod  | Mod   | Mod                   | Mod          | Mod         | Low         | Low                            |                   |
| Bangladesh           | Low  | Low   | Mod-High              | Mod          | Low         | Mod-Low     | Mod                            | Low               |
| Bhutan               | Mod  | Low-Mod   | Mod                   | Mod-Low      | Low         | Mod         | Low                            | Low               |
| BIOT                 | High   | High  | Mod                   | Low          | Low         | Low         | Low                            | -                 |
| China                | Low  | Mod   | High                  | Mod-High     | High        | Mod         | Low-Mod                        | Mod               |
| Georgia              | Low  | Low   | Low                   | Mod          | Do not know | High        | Low                            | Low               |
| India                | Low  | Low   | High                  | Mod          | Low         | High        | Low                            | Mod               |
| Iran                 | -  | -   | -                     | -            | -           | -           | -                              | -                 |
| Iraq                 | -  | -   | -                     | -            | -           | -           | -                              | -                 |
| Kazakhstan           | Low  | Low   | Mod                   | Low          | Low         | Mod         | Low                            | Low               |
| Kuwait               | -  | -   | -                     | -            | -           | -           | -                              | -                 |
| Kyrgyzstan           | Low  | Low   | Mod                   | Low          | Low         | Mod         | Low                            | Low               |
| Maldives             | Low  | Low   | Mod                   | Mod          | Low         | Mod         | Do not know                    | Low               |
| Mongolia             | Low  | Low   | Mod                   | Low          | Low         | High        | Low                            | Low               |
| Myanmar              | Low  | Low   | Mod-Low               | Mod-Low      | Low         | High        | Low                            | Low               |
| Nepal                | Mod  | Low   | Mod                   | Mod-Low      | Low         | Mod         | Mod-Low                        | Low               |
| Oman                 | Mod  | Mod   | Mod                   | Mod          | Mod         | Mod         | Mod                            | Mod               |
| Pakistan             | Mod-High   | Mod-High  | Mod-High              | Mod-High     | Low         | Mod-High    | Mod                            | Mod               |
| Qatar                | -  | -   | -                     | -            | -           | -           | -                              | -                 |
| Russia               | Low  | Low   | Low                   | Mod          | Low         | Mod         | Low                            | Low               |
| Saudi Arabia         | Mod  | Mod   | Do not know           | Do not know  | Do not know | Do not know | High                           | -                 |
| Sri Lanka            | Low  | Low   |                       | High         | Low         | Low         | Mod                            | Low               |
| Tajikistan           | -  | -   | -                     | -            | -           | -           | -                              | -                 |
| Turkmenistan         | Low  | Low   | Low                   | Do not know  | Do not know | Low         |                                |                   |
| United Arab Emirates | Mod  | High  | -                     | Mod          | -           | -           | -                              | -                 |
| Uzbekistan           | Mod  | Low   | High                  | Low          | Low         | Mod         | Mod                            | Low               |
| Yemen                | Mod-High   | Mod   | Mod                   | Mod          | Low         | Mod         | Mod                            | Mod               |

| Country       | National authorities responsible for habitat and migratory bird management | Local authorities responsible for habitat & migratory bird management | Research Institutions | Universities | Schools | NGOs | Volunteers / birding community | Local communities |
|---------------|--|---|-----------------------|--------------|---------|------|--------------------------------|-------------------|
| High          | 1  | 2   | 3                     | 1            | 1       | 5    | 1                              | 0                 |
| Moderate-High | 2  | 1   | 2                     | 2            | 0       | 1    | 0                              | 0                 |
| Moderate      | 8  | 5   | 11                    | 10           | 2       | 10   | 7                              | 5                 |
| Moderate-Low  | 0  | 1   | 0                     | 0            | 0       | 0    | 1                              | 0                 |
| Low           | 13   | 15  | 4                     | 6            | 17      | 5    | 10                             | 14                |
| Not known     | 0  | 0   | 1                     | 2            | 3       | 1    | 0                              | 0                 |
| Total         | 24   | 24  | 21                    | 21           | 23      | 22   | 19                             | 19                |

A soaring Egyptian vulture as seen in Uzbekistan. (Photo: Oleg Kashkarov)



### Annex 13. Overview of capacity of different stakeholders to monitor migratory birds in the CAF

As per the national questionnaires

| Country              | National authorities responsible for habitat and migratory bird management | Local authorities responsible for habitat and migratory bird management | Research Institutions | Universities | Schools   | NGOs      | Volunteers / birding community | Local communities |
|----------------------|--|---|-----------------------|--------------|-----------|-----------|--------------------------------|-------------------|
| Afghanistan          | Low  | Low   | Mod                   | Mod          | Low       | Low       | Not known                      | Low               |
| Armenia              | Low  | Low   | Low                   | Low          | Low       | High      | Mod                            | Low               |
| Azerbaijan           | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Bahrain              | Mod  | Mod   | Mod                   | Mod          | Mod       | Low       | Low                            | -                 |
| Bangladesh           | Low  | Low   | Mod                   | Mod          | Low       | Mod       | Mod                            | Low               |
| Bhutan               | Mod  | Mod   | Mod                   | Low          | Low       | Mod       | Mod                            | Low               |
| BIOT                 | High   | High  | Low                   | Low          | Low       | Low       | Low                            | -                 |
| China                | Mod  | Low   | High                  | Mod-High     | High      | Mod       | Mod-High                       | Mod               |
| Georgia              | Low  | Low   | Low                   | Mod          | Not known | High      | Low                            | Low               |
| India                | Low  | Mod   | High                  | Mod          | High      | High      | Mod                            | Mod               |
| Iran                 | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Iraq                 | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Kazakhstan           | Low  | Low   | Mod                   | Low          | Low       | Mod       | Low                            | Low               |
| Kuwait               | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Kyrgyzstan           | Mod  | Low   | Mod                   | Low          | Low       | Mod       | Low                            | Low               |
| Maldives             | Mod  | Low   | Mod                   | Mod          | Low       | Mod       | Not known                      | Low               |
| Mongolia             | Low  | Low   | High                  | Low          | Low       | High      | Low                            | Low               |
| Myanmar              | Low  | Low   | Mod-Low               | Low          | Low       | Mod-High  | High                           | Mod-Low           |
| Nepal                | Mod  | Low   | Mod                   | Mod          | Low       | Mod       | Low                            | Low               |
| Oman                 | Mod  | Mod   | Mod                   | Mod          | Mod       | Mod       | Mod                            | Mod               |
| Pakistan             | Mod-High   | Mod-High  | Mod                   | Mod          | Low       | Mod-High  | Mod-High                       | Mod               |
| Qatar                | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Russia               | Low  | Low   | Low                   | Mod          | Low       | Mod       | Low                            | Low               |
| Saudi Arabia         | Mod  | Mod   | Not known             | Not known    | Not known | Not known | High                           | -                 |
| Sri Lanka            | Mod-Low  | Mod-Low   |                       | High         | Low       | Low       | High                           | Low               |
| Tajikistan           | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Turkmenistan         | Low  | Low   | Low                   | Not known    | Not known | Low       | -                              | -                 |
| United Arab Emirates | Mod  | High  | -                     | Low          | -         | -         | Mod                            | -                 |
| Uzbekistan           | Mod  | Low   | High                  | Low          | Low       | Mod       | Mod                            | Low               |

| Country              | National authorities responsible for habitat and migratory bird management | Local authorities responsible for habitat and migratory bird management | Research Institutions | Universities | Schools   | NGOs      | Volunteers / birding community | Local communities |
|----------------------|--|---|-----------------------|--------------|-----------|-----------|--------------------------------|-------------------|
| Yemen                | Mod-High   | Mod-Low   | Mod-Low               | Mod-Low      | Low       | Mod       | Mod                            | Low               |
| <b>High</b>          | 1  | 2   | 4                     | 1            | 2         | 4         | 3                              | 0                 |
| <b>Moderate-High</b> | 2  | 1   | 0                     | 1            | 0         | 2         | 2                              | 0                 |
| <b>Moderate</b>      | 10   | 5   | 10                    | 10           | 2         | 11        | 8                              | 4                 |
| <b>Moderate-Low</b>  | 1  | 2   | 2                     | 1            | 0         | 0         | 0                              | 1                 |
| <b>Low</b>           | 10   | 14  | 5                     | 9            | 16        | 5         | 8                              | 14                |
| <b>Not Known</b>     | 0  | 0   | 1                     | 2            | 3         | 1         | 2                              | 0                 |
| <b>Total</b>         | <b>24</b>  | <b>24</b>   | <b>22</b>             | <b>24</b>    | <b>23</b> | <b>23</b> | <b>23</b>                      | <b>19</b>         |

A researcher from FOGSL, Sri Lanka talking to school children about the importance of migratory birds. (Photo: Nimasha Samarasinghe)



## Annex 14. Overview of capacity of stakeholders to implement conservation action in the CAF

As per the national questionnaires

| Country              | National authorities responsible for habitat and migratory bird management | Local authorities responsible for habitat and migratory bird management | Research Institutions | Universities | Schools   | NGOs      | Volunteers / birding community | Local communities |
|----------------------|--|---|-----------------------|--------------|-----------|-----------|--------------------------------|-------------------|
| Afghanistan          | Mod  | Low   | Mod                   | Mod          | Low       | Low       | Not known                      | Low               |
| Armenia              | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Azerbaijan           | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Bahrain              | High   | Low   | Low                   | Low          | Low       | Low       | Low                            | -                 |
| Bangladesh           | Low  | Low   | Mod                   | Mod          | Low       | Low       | Low                            | Low               |
| Bhutan               | Mod  | Mod   | Mod                   | Low          | Low       | Mod       | Low                            | Low               |
| BIOT                 | High   | High  | Low                   | Low          | Low       | Low       | Low                            |                   |
| China                | Mod  | Mod   | Mod-High              | Mod-High     | High      | Mod       | Mod                            | Mod               |
| Georgia              | Low  | Low   | Low                   | Mod          | Not known | High      | Low                            | Low               |
| India                | Mod  | Mod   | Mod                   | Low          | Low       | Mod       | Low                            | Mod               |
| Iran                 | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Iraq                 | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Kazakhstan           | Mod  | Mod   | Mod                   | Low          | Low       | Mod       | Low                            | Low               |
| Kuwait               | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Kyrgyzstan           | Mod  | Low   | Low                   | Low          | Low       | Low       | Low                            | Low               |
| Maldives             | Mod  | Low   | Mod                   | Mod          | Low       | Mod       | Not known                      | Low               |
| Mongolia             | Low  | Low   | High                  | Low          | Low       | Mod-High  | Low                            | Low               |
| Myanmar              | Mod-Low  | Low   | Mod-Low               | Low          | Low       | Mod       | Low                            | Mod-Low           |
| Nepal                | High   | Low   | Mod                   | Mod          | Low       | Mod       | Low                            | Low               |
| Oman                 | Low  | Low   | Low                   | Low          | Low       | Low       | Low                            | Mod               |
| Pakistan             | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Qatar                | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Russia               | Low  | Low   | Low                   | Low          | Low       | Mod       | Low                            | Low               |
| Saudi Arabia         | High   | High  | Not known             | Not known    | Not known | Not known | -                              | -                 |
| Sri Lanka            | Mod-High   | Mod-High  | -                     | Mod-High     | Low       | High      | Mod-High                       | Mod               |
| Tajikistan           | -  | -   | -                     | -            | -         | -         | -                              | -                 |
| Turkmenistan         | Low  | Low   | Low                   | Not known    | Not known | Low       | -                              | -                 |
| United Arab Emirates | Mod  | High  | -                     | Not known    | -         | -         | -                              | -                 |
| Uzbekistan           | Mod  | Low   | High                  | Low          | Low       | Mod       | Mod                            | Low               |
| Yemen                | Mod-High   | Mod-Low   | Mod-Low               | Low          | Low       | High      | High                           | High              |
| <b>High</b>          | <b>4</b>   | <b>3</b>  | <b>2</b>              | <b>0</b>     | <b>1</b>  | <b>4</b>  | <b>1</b>                       | <b>1</b>          |
| <b>Moderate-High</b> | <b>2</b>   | <b>1</b>  | <b>1</b>              | <b>2</b>     | <b>0</b>  | <b>1</b>  | <b>1</b>                       | <b>0</b>          |
| <b>Moderate</b>      | <b>10</b>  | <b>5</b>  | <b>7</b>              | <b>5</b>     | <b>0</b>  | <b>9</b>  | <b>3</b>                       | <b>4</b>          |
| <b>Moderate-Low</b>  | <b>1</b>   | <b>1</b>  | <b>2</b>              | <b>0</b>     | <b>0</b>  | <b>0</b>  | <b>0</b>                       | <b>1</b>          |
| <b>Low</b>           | <b>6</b>   | <b>13</b>   | <b>8</b>              | <b>13</b>    | <b>18</b> | <b>7</b>  | <b>13</b>                      | <b>12</b>         |
| <b>Not known</b>     | <b>0</b>   | <b>0</b>  | <b>0</b>              | <b>0</b>     | <b>0</b>  | <b>0</b>  | <b>0</b>                       | <b>0</b>          |
| <b>Total</b>         | <b>23</b>  | <b>23</b>   | <b>20</b>             | <b>20</b>    | <b>19</b> | <b>21</b> | <b>18</b>                      | <b>18</b>         |

## Annex 15. Overview of CMS resolutions addressing direct and indirect threats to migratory birds relevant for the CAF

| Direct and Indirect Threats to migratory birds  | CMS resolutions   |
|---|---|
| <ul style="list-style-type: none"> <li>Loss of forests and grasslands; agricultural intensification and habitat modification through desertification and overgrazing</li> </ul> | 11.17 (Rev.COP12) Action Plan for Migratory Landbirds in the African-Eurasian Region (AEMLAP) <sup>2</sup>        |
| <ul style="list-style-type: none"> <li>Conservation of coastal habitats</li> </ul>  | 12.25 Promoting Conservation of Critical Intertidal and other Coastal Habitats for Migratory Species <sup>3</sup> |
| <ul style="list-style-type: none"> <li>Inappropriate wind turbine development</li> </ul>  | 11.27 (Rev.COP12) Renewable Energy and Migratory Species <sup>4</sup>   |
| <ul style="list-style-type: none"> <li>Collisions with power lines and electrocutions</li> </ul>  | 10.11 (Rev.COP12) Powerlines and Migratory Birds <sup>5</sup>   |
| <ul style="list-style-type: none"> <li>Illegal and/or unsustainable killing, taking and trade</li> </ul>  | 11.16 (Rev.COP12) The Prevention of Illegal Killing, Taking and Trade of Migratory Birds <sup>6</sup>             |
| <ul style="list-style-type: none"> <li>Overfishing and the bycatch of seabirds</li> </ul>   | 12.22 Bycatch <sup>7</sup>  |
| <ul style="list-style-type: none"> <li>Lead shot and other poisoning</li> </ul>   | 11.15 (Rev.COP12) Preventing Poisoning of Migratory Birds <sup>8</sup>  |
| <ul style="list-style-type: none"> <li>Tackling Invasive alien species</li> </ul>   | 11.28 Future CMS Activities related to Invasive Alien Species <sup>9</sup>  |
| <ul style="list-style-type: none"> <li>Avian influenza and other disease</li> </ul>   | 12.06 Wildlife Disease and Migratory Species <sup>10</sup>  |
| <ul style="list-style-type: none"> <li>Tackling Marine debris</li> </ul>  | 12.20 Management of Marine Debris <sup>11</sup>   |
| <ul style="list-style-type: none"> <li>Tackling artificial light pollution</li> </ul>   | 13.5 Light Pollution Guidelines for Wildlife <sup>12</sup>  |
| <ul style="list-style-type: none"> <li>Tackling decline of insects</li> </ul>   | 13.6 Insect Decline and its Threat to Migratory Insectivorous Animal Populations <sup>13</sup>                    |

2 <https://www.cms.int/en/document/action-plan-migratory-landbirds-african-eurasian-region-aemlap-6>

3 <https://www.cms.int/en/document/promoting-conservation-critical-intertidal-and-other-coastal-habitats-migratory-species-1>

4 <https://www.cms.int/en/document/renewable-energy-and-migratory-species-7>

5 <https://www.cms.int/en/document/power-lines-and-migratory-birds-3>

6 <https://www.cms.int/en/document/prevention-illegal-killing-taking-and-trade-migratory-birds-8>

7 [https://www.cms.int/sites/default/files/document/cms\\_cop12\\_res.12.22\\_bycatch\\_e.pdf](https://www.cms.int/sites/default/files/document/cms_cop12_res.12.22_bycatch_e.pdf)

8 <https://www.cms.int/en/document/preventing-poisoning-migratory-birds-5>

9 <https://www.cms.int/en/document/future-cms-activities-related-invasive-alien-species>

10 <https://www.cms.int/en/document/wildlife-disease-and-migratory-species-0>

11 <https://www.cms.int/en/document/management-marine-debris-5>

12 <https://www.cms.int/en/document/light-pollution-guidelines-wildlife-0>

13 <https://www.cms.int/en/document/insect-decline-and-its-threat-migratory-insectivorous-animal-populations-2>

## Annex 16. Overview of international migratory bird frameworks that cover the CAF

| Waterbird group and Frameworks                                 | Priorities areas and number of listed actions (Time frame)  | Implementing organisations/ partners   |
|--|---|--|
| African Eurasian Migratory Landbirds Action Plan <sup>14</sup> | <ul style="list-style-type: none"> <li>• Land-use changes – 27</li> <li>• Taking and trade and other threats – 24</li> <li>• Research And Monitoring -10</li> <li>• Education and information – 2<br/>(Results expected within 9 years)</li> </ul>  | Range State governments, Range State conservation NGOs, International conservation NGOs, Research institutions, Development companies and agencies (e.g. agricultural and energy sectors), bodies of the Action Plan.  |
| Raptors African Eurasian Raptors MOU                           | <ul style="list-style-type: none"> <li>• Improvement of legal protection – 6</li> <li>• Protect and/or manage important sites and flyways – 4</li> <li>• Habitat conservation and sustainable management – 4</li> <li>• Awareness raising and measures – 6</li> <li>• Monitoring populations, research and taking action – 10</li> <li>• Supporting actions -4<br/>(Seven years, following which a review would be undertaken and revised.)</li> </ul>  | Range State governments, Range State governments, Range State conservation NGOs, International conservation NGOs, Research institutions, Development companies and agencies, bodies of the Agreement.  |
| Waterbirds AEWA Strategic Plan 2019-2027                       | <ul style="list-style-type: none"> <li>• Strengthen species conservation and recovery and reduce causes of unnecessary mortality – 6</li> <li>• Sustainable use/management of migratory waterbird populations – 6</li> <li>• Establish and sustain a coherent and comprehensive flyway network of protected areas and other sites – 5</li> <li>• Habitat conservation and management in the wider environment - 4</li> <li>• Strengthen knowledge, capacity, recognition, awareness and resources required – 6<br/>(10 years, 2019-2027)</li> </ul> | Range States, Secretariats and technical/scientific bodies of other MEAs and their projects/ programmes/ initiatives, notably those within the CMS Family, but also others, conservation NGOs, EAAFP, International conservation NGOs, Research institutions, universities, international hunting organisations, development organisations, bodies of the agreement. |
| CAF Waterbird Action Plan                                      | <ul style="list-style-type: none"> <li>• Species Conservation – 12</li> <li>• Habitat Conservation and Management – 9</li> <li>• Management of Human Activities – 20</li> <li>• Training, Education and Public Awareness - 5</li> <li>• (3 year review cycle proposed)</li> </ul>   | Range State governments, Range State conservation NGOs, MEAs, International conservation NGOs, universities, experts   |



## Annex 17. Overview of current international conservation action plans for migratory birds that cover the CAF

| Species / group | Conservation/action plans for single or multiple species  | Implementation frameworks / mechanisms   |
|-----------------|---|--|
| Landbirds       | All migratory landbirds (2014) <sup>15</sup>  | A Programme Of Work (PoW) for the Working Group (WG) of the African-Eurasian Migratory Landbirds Action Plan (AEMLAP) 2021-2026 has been developed to guide the work of implementation of the Action Plan <sup>16</sup>                                  |
|                 | Bengal Florican (2020) <sup>17</sup>  | Concerted Action under CMS   |
|                 | Great Bustard (2017)  | Concerted Action under CMS <sup>18</sup>   |
|                 | Great Indian Bustard (2023) <sup>19 20</sup>  | Concerted Action under CMS   |
|                 | Yellow-breasted Bunting (2021) <sup>21</sup>  | Single Species Action Plan under preparation under AEMLAP  |
| Waterbirds      | All migratory waterbirds:<br>- AEWA Strategic Plan 2019-2027 <sup>22</sup><br>- CAF Waterbird Action Plan (2006) <sup>23</sup><br>- EAAFP Implementation Strategy 2019-2028 <sup>24</sup> | AEWA Technical Committee provides technical guidance to work of its implementation.<br><br>Developed under CMS with no mechanism to implement the CAF Action Plan<br><br>EAAFP Technical Sub Committee provides technical guidance to its implementation |
|                 | Baer's Pochard (2019) <sup>25</sup>   | CMS & EAAFP, EAAFP Task Force  |
|                 | Black-necked Crane (2019) <sup>26</sup>   | IUCN SSC Crane Specialist Group  |
|                 | Dalmatian Pelican (2018) <sup>27</sup>  | CMS, AEWA, EU & EAAFP  |

15 [https://www.cms.int/sites/default/files/document/Landbirds\\_Action\\_Plan\\_e.pdf](https://www.cms.int/sites/default/files/document/Landbirds_Action_Plan_e.pdf)

16 <https://www.cms.int/sites/default/files/document/AEML%20WG%20POW%202021-2026%20Final%20version.pdf>

17 <https://www.cms.int/en/document/concerted-action-bengal-florican-houbaropsis-bengalensis-bengalensis>

18 [https://www.cms.int/sites/default/files/document/cms\\_cop13\\_ca.12.8\\_rev.cop13\\_e.pdf](https://www.cms.int/sites/default/files/document/cms_cop13_ca.12.8_rev.cop13_e.pdf)

19 [https://www.cms.int/sites/default/files/document/cms\\_cop14\\_doc.28.5.3\\_action-plan-for-great-bustard-in-asia\\_e.pdf](https://www.cms.int/sites/default/files/document/cms_cop14_doc.28.5.3_action-plan-for-great-bustard-in-asia_e.pdf)

20 [https://www.cms.int/sites/default/files/document/cms\\_cop13\\_ca.13.10\\_e.pdf](https://www.cms.int/sites/default/files/document/cms_cop13_ca.13.10_e.pdf)

21 [https://www.cms.int/raptors/sites/default/files/document/cms\\_scc-sc5\\_doc.6.1.1\\_action-plan-for-yellow-breasted-bunting\\_e.pdf](https://www.cms.int/raptors/sites/default/files/document/cms_scc-sc5_doc.6.1.1_action-plan-for-yellow-breasted-bunting_e.pdf)

22 [https://www.unep-aewa.org/sites/default/files/basic\\_page\\_documents/aewa\\_strategic\\_plan\\_2019-2027\\_final.pdf](https://www.unep-aewa.org/sites/default/files/basic_page_documents/aewa_strategic_plan_2019-2027_final.pdf)

23 [https://www.cms.int/sites/default/files/document/CAF\\_action\\_plan\\_e\\_0.pdf](https://www.cms.int/sites/default/files/document/CAF_action_plan_e_0.pdf)

24 [https://www.eaaflyway.net/wp-content/uploads/2019/07/MOP10\\_D01\\_Strategic-Plan-2019-2028\\_r\\_MJ.pdf](https://www.eaaflyway.net/wp-content/uploads/2019/07/MOP10_D01_Strategic-Plan-2019-2028_r_MJ.pdf)

25 <https://www.cms.int/en/publication/international-single-species-action-plan-conservation-baers-pochard-aythya-baeri-cms>

26 [https://savingcranes.org/wp-content/uploads/2022/05/crane\\_conservation\\_strategy\\_black-necked\\_crane.pdf](https://savingcranes.org/wp-content/uploads/2022/05/crane_conservation_strategy_black-necked_crane.pdf)

27 [https://www.cms.int/sites/default/files/document/cms\\_stc48\\_doc.18\\_annex3\\_ssap-conservation-dalmatian-pelican\\_e.pdf](https://www.cms.int/sites/default/files/document/cms_stc48_doc.18_annex3_ssap-conservation-dalmatian-pelican_e.pdf)

| Species / group | Conservation/action plans for single or multiple species                                     | Implementation frameworks / mechanisms   |
|-----------------|--|--|
|                 | Eurasian Spoonbill 2008) <sup>28</sup>   | AEWA & CMS   |
|                 | Ferruginous Duck (2006) <sup>29</sup>  | CMS  |
|                 | Lesser Flamingo (2008) <sup>30</sup>   | AEWA & CMS Working Group   |
|                 | Lesser White-fronted Goose (2008) <sup>31</sup>  | AEWA   |
|                 | Red-breasted Goose (2012) <sup>32</sup>  | AEWA   |
|                 | Siberian Crane (2011) <sup>33</sup>  | CMS MOU and Working Group  |
|                 | Slender-billed Curlew (1994) <sup>34</sup>   | AEWA & CMS   |
|                 | Sociable Lapwing (2012) <sup>35</sup>  | AEWA   |
|                 | Spoon-billed Sandpiper (2010) <sup>36</sup>  | CMS & EAAFP, EAAFP Task Force  |
|                 | White-headed Duck (2018) <sup>37</sup>   | CMS, AEWA & EU   |
| Raptors         | All migratory birds of prey (including owls) & vultures                                      | Raptor MOU Technical Committee, with a major review in 2020 and an update (Pritchard 2020) |
|                 | Vulture MsAP Strategic Implementation Plan (2020) <sup>38</sup>                              | Raptor MOU   |
|                 | Blueprint for the Recovery of South Asia's Critically Endangered Gyps Vultures <sup>39</sup> | Royal Society for the Protection of Birds (SAVE Vultures)                                  |
|                 | Cinereous Vulture <sup>40</sup>  | CMS  |

28 <https://www.unep-aewa.org/en/publication/international-single-species-action-plan-conservation-eurasian-spoonbill-complete-ts>

29 [https://www.cms.int/sites/default/files/publication/ts12\\_ssap\\_ferruginous\\_duck\\_complete\\_3\\_0\\_0.pdf](https://www.cms.int/sites/default/files/publication/ts12_ssap_ferruginous_duck_complete_3_0_0.pdf)

30 <https://www.unep-aewa.org/en/publication/international-single-species-action-plan-conservation-lesser-flamingo-ts-no-34cms-no-18>

31 [https://www.unep-aewa.org/sites/default/files/publication/lwfg\\_ssap\\_130109\\_0.pdf](https://www.unep-aewa.org/sites/default/files/publication/lwfg_ssap_130109_0.pdf)

32 [https://www.unep-aewa.org/sites/default/files/publication/ts46\\_ssap\\_rbg.pdf](https://www.unep-aewa.org/sites/default/files/publication/ts46_ssap_rbg.pdf)

33 [https://www.cms.int/sites/default/files/publication/CMS\\_pub\\_Conservation-Measures\\_SiberianCrane\\_TS25\\_e.pdf](https://www.cms.int/sites/default/files/publication/CMS_pub_Conservation-Measures_SiberianCrane_TS25_e.pdf)

34 <https://www.cms.int/en/document/action-plan-conservation-slender-billed-curlew-numenius-tenuirostris-july-1994>

35 [https://www.unep-aewa.org/sites/default/files/publication/ts\\_47\\_ssap\\_sola.pdf](https://www.unep-aewa.org/sites/default/files/publication/ts_47_ssap_sola.pdf)

36 [https://www.cms.int/sites/default/files/publication/ts23\\_spoon\\_billed\\_sandpiper\\_3\\_0\\_0.pdf](https://www.cms.int/sites/default/files/publication/ts23_spoon_billed_sandpiper_3_0_0.pdf)

37 [https://www.cms.int/sites/default/files/document/cms\\_stc48\\_doc18\\_annex1\\_ssap-conservation-white-headed-duck\\_e.pdf](https://www.cms.int/sites/default/files/document/cms_stc48_doc18_annex1_ssap-conservation-white-headed-duck_e.pdf)

38 <https://www.cms.int/en/publication/vulture-msap-strategic-implementation-plan-report-implementation-date>

39 <https://www.cms.int/en/publication/blueprint-recovery-south-asias-critically-endangered-gyps-vultures-save-blueprint>

40 <https://www.cms.int/raptors/en/publication/flyway-action-plan-conservation-cinereous-vulture-aegyptius-monachus-cvfap>

| Species / group | Conservation/action plans for single or multiple species | Implementation frameworks / mechanisms   |
|-----------------|--|--|
|                 | Egyptian Vulture <sup>41</sup>                           | CMS  |
|                 | Saker Falcon   | Saker Falcon Task Force <sup>42</sup> to bring together Range States, Partners and interested parties, to develop a coordinated Global Action Plan, including a management and monitoring system |

41 <https://www.cms.int/raptors/en/publication/flyway-action-plan-conservation-balkan-and-central-asian-populations-egyptian-vulture>

42 <https://www.cms.int/raptors/en/workinggroup/saker-falcon-task-force>

A Point Calimere/ South Indian leg-flagged Great Knot spotted in Mannar, Sri Lanka. (Photo: Gayomini Panagoda)



## Annex 18. Legislation and policies for protection of migratory species in the CAF

As per the national questionnaires; information from some range states is not available.

| Range state | Legislation and policies for protection of migratory species, with links and notes   |
|-------------|--|
| Afghanistan | There is national legislation that is adequate for the protection of migratory birds,  |
| Armenia     | The government currently undertakes a process of harmonizing the national environmental legislation to EU directives. One issue is related lack of a mechanism of creating any type of protected area on the community lands with many areas important for migratory birds being owned by the community.   |
| Bahrain     | All wildlife is protected as per Law (2) of 1995 Regarding the Protection of Wildlife  |
| Bangladesh  | All bird species (resident and migratory) are protected by the Wildlife (Conservation and Security) Act, 2012.   |
| Bhutan      | Protection and management of migratory bird species is covered under national legislation and policies. Forest and Nature Conservation Act of Bhutan 1995. Prohibits the killing, hunting, and keeping of wildlife as pets: providing a measure of protection for all migratory bird species in the country.   |
| BIOT        | There are a number of generic wildlife protection measures (Ordinances and regulations) but they do not specify migratory species. They protect all species of bird from activities within the territory. There are no policies or national legislation that protect individual bird species.  |
| China       | Law on the protection of Wildlife, List of Wildlife under National key Protection, List of Nationally Protected Terrestrial Wild Animals with Important Ecological, Scientific and Social Values   |
| India       | All migratory species of birds have been accorded high protection level under Wild Life (Protection) Act of India, 1972. Latest amendment 2021 is expected to be notified.   |
| Iran        | Legislation includes detailed hunting and trapping regulations, which were used to define activities that are illegal there. In Iran, the hunting is well regulated.   |
| Iraq        | The Iraq government issued Law No. 17 of 2010 (Law of Protecting Wild Animals) to update and abolish an older law (Law No. 21 of 1979) but, as yet, is still working out the specific regulations and instructions that will implement the law. The law, which is composed of 23 articles and is provided in Annex 1, focuses on the regulation of hunting. Hunting of wildlife is not regulated thoroughly. The Iraqi national legislation relevant to wildlife protection and trade regulation has not been fully implemented.   |
| Kazakhstan  | Migratory birds are protected under the Law on fauna, Law on Protected areas, Hunting rules, limits for hunting are calculated according to the Rules for implementing scientific justification  |
| Kuwait      | All killing of birds in this Kuwait is illegal. In 2014, Kuwait protected fauna and flora by passing New Environment Protection Law No 42  |
| Kyrgyzstan  | In most legislative acts, migratory birds are not distinguished from other species. The issues of protection of migratory species are partially reflected in the Resolution of the Government of the Kyrgyz Republic dated April 1, 2021 No. 127 "On Approval of the Procedure for Organizing Environmental Corridors in the Kyrgyz Republic" and the Regulation on the Procedure for Environmental Impact Assessment in the Kyrgyz Republic (Resolution of the Government of the Kyrgyz Republic dated February 13, 2015 No. 60). |
| Maldives    | All migratory birds are protected under Environment Protection and Preservation Act of Maldives and Protected Species Regulation.  |
| Myanmar     | Most migratory birds are protected by the Conservation of Biodiversity and Protected Area Law of 2018.   |

| Range state  | Legislation and policies for protection of migratory species, with links and notes   |
|--------------|--|
| Mongolia     | Migratory birds are mainly protected by following legislation: Most migratory birds are protected by the Conservation of Biodiversity and Protected Area Law of 2018. Law on Fauna legalinfo.mn. Mongolian Red Book, Mongolian Red List of Birds, Law on Fauna. <a href="https://1drv.ms/x/s!sAkyEgLoGI6CImzxegwWrdveCq8Ed?e=6PJM2W">https://1drv.ms/x/s!sAkyEgLoGI6CImzxegwWrdveCq8Ed?e=6PJM2W</a> ,  |
| Nepal        | All bird species are protected by law. National Parks and Wildlife Conservation Act, 1973 lists nine species of birds with priority protection Tragopan satyra (Satyr Tragopan), Lophophorus impejanus (Danphe), Catreus wallichi (Cheer), Buceros bicornis (Great Hornbill), Houbaropsis bengalensis (Bengal Florican), Sypheotides indica (Lesser Florican), Grus antigone (Crane), Ciconia ciconia (White Stork) and C. nigra (Black Stork). <a href="https://dnpwc.gov.np/en/aves/">https://dnpwc.gov.np/en/aves/</a> .  |
| Oman         | Strict penalties imposed against those who hunt or smuggle animals as part of a national strategy to protect its flora and fauna. Ministerial Decision (101/2002) on the prohibition of hunting or killing or captured of wild animals and birds.  |
| Pakistan     | Detail of provincial/territorial wildlife laws of Pakistan is as under:<br>1. Azad Jammu and Kashmir Wildlife (Protection, Preservation, Conservation and Management) Act, 2014. <a href="https://law.ajk.gov.pk/assets/lawlibrary/2019-02-13-5c6464173753e1550083095.pdf">https://law.ajk.gov.pk/assets/lawlibrary/2019-02-13-5c6464173753e1550083095.pdf</a> [link doesn't work]<br>2. Balochistan (Wildlife Protection, Preservation, Conservation and Management) Act, 2014 <a href="https://www.cms.int/huemul/sites/default/files/document/cms_nlp_pak_act_XV_2014.pdf">https://www.cms.int/huemul/sites/default/files/document/cms_nlp_pak_act_XV_2014.pdf</a> 37 waterfowl (max 10), 10 pheasants and grouses (max 3 to 15 depending on species), all pigeons and doves (max 5) during certain seasons.<br>3. Gilgit-Baltistan (Northern Areas) Wildlife Protection Act, 1975 <a href="https://www.cms.int/ruddy-headed-goose/sites/default/files/document/cms_nlp_pak_act_1975.pdf">https://www.cms.int/ruddy-headed-goose/sites/default/files/document/cms_nlp_pak_act_1975.pdf</a><br>Some species are huntable and listed in Schedule I.<br>4. Islamabad Wildlife (Protection, Preservation, Conservation and Management) Ordinance, 1979 <a href="https://www.cms.int/ruddy-headed-goose/sites/default/files/document/cms_nlp_pak_ordinance_1979.pdf">https://www.cms.int/ruddy-headed-goose/sites/default/files/document/cms_nlp_pak_ordinance_1979.pdf</a><br>Some species are huntable and listed in Schedule I.<br>5. Khyber Pakhtunkhwa Wildlife and Biodiversity (Protection, Preservation, Conservation and Management) Act, 2015. <a href="https://www.cms.int/ruddy-headed-goose/sites/default/files/document/cms_nlp_pak_act_I_2015.pdf">https://www.cms.int/ruddy-headed-goose/sites/default/files/document/cms_nlp_pak_act_I_2015.pdf</a> Huntable birds include 10 species of Anatidae, 3 species of Rallidae, 5 species of Charadriidae, 6 species of sandgrouse, all pigeons and doves, and 6 species of Pheasants, partridges and quails.<br>6. Punjab Wildlife (Protection, Preservation, Conservation and Management) Act, 1974 <a href="https://www.cms.int/ruddy-headed-goose/sites/default/files/document/cms_nlp_pak_act_II_1974.pdf">https://www.cms.int/ruddy-headed-goose/sites/default/files/document/cms_nlp_pak_act_II_1974.pdf</a><br>7. Sindh Wildlife Protection, Preservation, Conservation and Management Act, 2020 <a href="http://sindhlaws.gov.pk/setup/Publications/PUB-20-000055.pdf">http://sindhlaws.gov.pk/setup/Publications/PUB-20-000055.pdf</a> [link error] |
| Qatar        | Law No. 4 of 2002 Regulation of the Hunting of Wild Animals including Mammals, Birds and Reptiles 4 / 2002 Until now no hunting and trapping legislation in place, just articles within the National Environmental law no.26 of 1995   |
| Russia       | <a href="https://docs.cntd.ru/document/565612496">https://docs.cntd.ru/document/565612496</a> Hunting rules<br><a href="https://docs.cntd.ru/document/901732262">https://docs.cntd.ru/document/901732262</a> Low on the rights of native communities<br><a href="https://docs.cntd.ru/document/9011346">https://docs.cntd.ru/document/9011346</a> Low on fauna<br><a href="https://docs.cntd.ru/document/902167488">https://docs.cntd.ru/document/902167488</a> Low on hunting<br><a href="https://docs.cntd.ru/document/9010833">https://docs.cntd.ru/document/9010833</a> Low on PA  |
| Saudi Arabia | Environmental regulation (Law); Executive regulation for hunting wildlife for the Environmental law; Executive regulation for trade in wildlife and their product; Executive regulation for protected area system plan   |
| Sri Lanka    | National Legislation cover protection for migratory species. The Fauna and Flora Protection Ordinance (FFPO) is the overarching law that protects migrants in Sri Lanka's political territory. It covers all the species reported in Sri Lanka including the species to be reported and discovered in the future.  |
| Tajikistan   | To date 21 IBAs have been described and action is needed to finalize and approve their legal protection status.  |

| Range state  | Legislation and policies for protection of migratory species, with links and notes   |
|--------------|--|
| Turkmenistan | Protection of migratory birds is covered in the National Constitution (26 September 2008), Law on the protection of nature (1 March 2014), Law on hunting (15 September 1998), The code on land (25 October 2004), The code on water (25 October 2004), Law on fishing and protection of water biodiversity (21 May 2011), Law on protected areas (31 March 2012), Law on fauna (2 March 2013)   |
| UAE          | A Federal decree (Law No. 9) of 1983 ‘Regulating the Hunting of Birds and Animals’ is another piece of legislation to protect migratory and resident birds. As per Article 1 of the law ‘hunting, gathering or destruction of eggs’ of land and seabirds is banned except for cormorants. Provisions for the protection of the country’s marine environment are made in Federal Law No. 23 of 1999, regulating the exploitation, protection and development of marine biological resources, which indirectly also protect birds and in particular shorebirds and breeding seabirds. The Federal Law No. 11 of 2002 deals with the regulation and control of international trade in endangered species  |
| Uzbekistan   | <p>The list of species of wild plants and vertebrates subject to state registration, accounting for the volume of their use and inclusion in the state cadastre of objects of flora and fauna dated 05/25/2020. The list contains, among other things, rare and endangered species of wild animals, hunting species, economically significant species and near-water and waterfowl that are not included in the categories of “rare” and “hunting” species.</p> <p>Resolution of the Cabinet of Ministers of the Republic of Uzbekistan, dated 20.10.2014 No. 290 <a href="https://lex.uz/docs/2485767">https://lex.uz/docs/2485767</a>.</p> <p>Order of the Chairman of the State Committee of the Republic of Uzbekistan for Nature Protection, registered 02.05.2006, reg. number 1569 <a href="https://lex.uz/docs/1004486">https://lex.uz/docs/1004486</a></p> <p>Rules of hunting and fishing on the territory of the Republic of Uzbekistan <a href="http://old.regulation.gov.uz/ru/documents/120">http://old.regulation.gov.uz/ru/documents/120</a></p> <p>The Law of the Republic of Uzbekistan on weapons dated 29.07.2019. No. ZRU-550 <a href="https://lex.uz/docs/4445290">https://lex.uz/docs/4445290</a></p> |
| Yemen        | Until now no hunting and trapping legislation in place, just articles within the National Environmental law no.26 of 1995  |

### Egyptian Vulture (photo: Sylvain Reyt / Agami)



## Annex 19. Legislation and management of legal hunting/taking of migratory species in the CAF

As per the national questionnaires, information from some range states is not available

| Range state  | Whether protection & management of migratory bird species are covered under national legislation and/or policies? | Whether there are existing national and local legislation measures adequate to protect migratory birds? | Is there a specific list of huntable migratory species? | Whether hunting quotas are set at sustainable levels for population/species? | Legal collection of eggs of migratory species for food or other purposes | Adequacy of regulation of hunting legislation? | Adequacy of local enforcement of hunting legislation? | Adequacy of system for hunters to report their catch/hunting bag and use of system by hunters? |
|--------------|---|---|---|--|--|--|---|--|
| Afghanistan  | Yes   | Yes   | No  | No   | No   | No   | No  | No   |
| Armenia      | Yes   | No  | Yes   | Yes  | No   | Yes  | No  | No   |
| Azerbaijan   | -   | -   | -   | -  | -  | -  | -   | -  |
| Bahrain      | Yes   | No  | No  | No   | No   | Yes  | Yes   | No   |
| Bangladesh   | Yes   | Yes   | No  | No   | No   | Yes  | No  | No   |
| Bhutan       | Yes   | No  | No  | Yes-No   | No   | Yes  | Yes   | No   |
| BIOT         | Yes   | Yes   | No  | Yes  | Yes  | Yes  | Yes   | Yes  |
| China        | Yes   | No  | No  | -  | No   | Yes-No   | No  | No   |
| Georgia      | Yes   | No  | No  | No   | No   | No   | No  | No   |
| India        | Yes   | Yes   | No  | No   | No   | Yes  | No  | No   |
| Iran         | Yes   | -   | -   | -  | -  | -  | No  | -  |
| Iraq         | Yes   | Yes   |   | No   | yes  | Yes  | Yes   | No   |
| Kazakhstan   | Yes   | Yes   | Yes   | Yes  | No   | Yes  | Yes   | No   |
| Kuwait       | Yes   | Yes   | Yes   | No   | No   | No   | No  | No   |
| Kyrgyzstan   | No  | No  | Yes   | No   | No   | -  | No  | Yes  |
| Maldives     | Yes   | No  | No  | No   | No   | No   | NA  | -  |
| Mongolia     | Yes   | No  | Yes   | No   | No   | Yes  | No  | No   |
| Myanmar      | Yes   | Yes   | No  | No   | No   | No   | No  | No   |
| Nepal        | Yes   | No  | No  | No   | No   | Yes-No   | No  | No   |
| Oman         | Yes   | No  | No  | No   | No   | No   | No  | No   |
| Pakistan     | Yes   | Yes   | No  | Yes  | Yes  | Yes  | Yes   | Yes  |
| Qatar        | Yes   | Yes   |   |  |  |  | Yes   |  |
| Russia       | Yes   | Yes-No  | Yes   | No   | Yes  | No   | Yes-No  | Yes  |
| Saudi Arabia | Yes   | Yes   | Yes   | Yes  | No   | -  | Yes   | Yes  |
| Sri Lanka    | Yes   | Yes   | No  | No   | No   | Yes  | Yes   | No   |
| Tajikistan   | -   | -   | -   | -  | -  | -  | -   | -  |
| Turkmenistan | Yes   | Yes   | No  | No   | No   | No   | No  | No   |

| Range state          | Whether protection & management of migratory bird species are covered under national legislation and/or policies? | Whether there are existing national and local legislation measures adequate to protect migratory birds? | Is there a specific list of huntable migratory species? | Whether hunting quotas are set at sustainable levels for population/species? | Legal collection of eggs of migratory species for food or other purposes | Adequacy of regulation of hunting legislation? | Adequacy of local enforcement of hunting legislation? | Adequacy of system for hunters to report their catch/hunting bag and use of system by hunters? |
|----------------------|---|---|---|--|--|--|---|--|
| United Arab Emirates | Yes   | -   | No  | Yes  | Yes  | -  | -   | -  |
| Uzbekistan           | Yes   | Yes   | No  | Yes  | Yes  | No   | No  | NA   |
| Yemen                | No  | No  | Yes-No  | No   | yes  | No   | No  | No   |
| <b>Totals - Yes</b>  | <b>26</b>   | <b>14</b>   | <b>7</b>  | <b>7</b>   | <b>7</b>   | <b>11</b>                                      | <b>9</b>  | <b>5</b>   |
| <b>No</b>            | <b>2</b>  | <b>11</b>   | <b>17</b>   | <b>17</b>  | <b>19</b>  | <b>10</b>                                      | <b>16</b>   | <b>18</b>  |
| <b>Yes-No</b>        | <b>0</b>  | <b>1</b>  | <b>1</b>  | <b>1</b>   | <b>0</b>   | <b>2</b>                                       | <b>1</b>  | <b>0</b>   |
| <b>Total</b>         | <b>28</b>   | <b>26</b>   | <b>25</b>   | <b>25</b>  | <b>26</b>  | <b>23</b>                                      | <b>26</b>   | <b>23</b>  |
| <b>Total Yes %</b>   | <b>92.9</b>   | <b>53.8</b>   | <b>28.0</b>   | <b>28.0</b>  | <b>26.9</b>  | <b>47.8</b>                                    | <b>34.6</b>   | <b>21.7</b>  |

**Steppe Eagle** (Photo: Markus Varesvuo)





## Annex 20. Overview of responses of management practices being used to benefit migratory birds at protected areas in the CAF

As per the national questionnaires; information from some range states is not available

| Country                        | Regulation of water levels to provide appropriate habitat conditions for the birds | Eradication or control of invasive species of plants and animals | Regulation of use of certain fish nets / tackle that can lead to bycatch of birds | Tourism activities (control on numbers, access to areas at certain times of year) | Control on selected sports within sensitive areas that are known to harm birds or disturb their daily activities <sup>1</sup> | Use of drones for filming at feeding, roosting or nesting areas | Seasonal restrictions on cattle grazing | Control on feral dogs or domestic cats |
|--------------------------------|--|--|---|---|---|---|---|--|
| Afghanistan                    | Not known  | Not known  | No  | Not known   | No  | No  | Not known                               | No                                     |
| Armenia                        | Partly   | No   | No  | No  | No  | No  | No                                      | Partly                                 |
| Azerbaijan                     | -  | -  | -   | -   | -   | -   | -                                       | -                                      |
| Bahrain                        | Partly   | Partly   | Yes   | Partly  | Yes   | No  | No                                      | Partly                                 |
| Bangladesh                     | No   | No   | Partly  | Partly  | Partly  | No  | Partly                                  | No                                     |
| Bhutan                         | No   | Yes  | Partly  | Yes   | Partly  | Yes   | No                                      | Partly                                 |
| British Indian Ocean Territory | -  | Yes  | -   | -   | -   | -   | -                                       | -                                      |
| China                          | No   | Partly   | Partly  | Partly  | Partly  | No  | Partly                                  | -                                      |
| Georgia                        | No   | No   | Not known   | Yes   | Not known   | Not known   | Partly                                  | No                                     |
| India                          | Partly   | Partly   | Partly  | Partly  | Yes   | Partly  | Partly                                  | No                                     |
| Iran                           | -  | -  | -   | -   | -   | -   | -                                       | -                                      |
| Iraq                           | -  | -  | -   | -   | -   | -   | -                                       | -                                      |
| Kazakhstan                     | Partly   | No   | Yes   | Partly  | Partly  | Not known   | Partly                                  | Partly                                 |
| Kuwait                         | -  | -  | -   | -   | -   | -   | -                                       | -                                      |
| Kyrgyzstan                     | No   | No   | No  | Partly  | Partly  | No  | Yes                                     | Partly                                 |
| Maldives                       | No   | No   | Yes   | Partly  | No  | No  | No                                      | No                                     |
| Mongolia                       | Partly   | Partly   | No  | Partly  | Partly  | Partly  | Partly                                  | Partly                                 |
| Myanmar                        | Partly   | Partly   | Partly  | Partly  | Partly  | Partly  | No                                      | No                                     |
| Nepal                          | No   | Partly   | Partly  | No  | No  | Yes   | No                                      | No                                     |
| Oman                           | -  | -  | Partly  | Partly  | Partly  | -   | -                                       | -                                      |
| Pakistan                       | Partly   | Partly   | Partly  | Partly  | Partly  | No  | No-Partly                               | No-Partly                              |
| Qatar                          | -  | -  | -   | -   | -   | -   | -                                       | -                                      |
| Russia                         | Partly   | No   | Yes   | Yes   | Yes   | Yes   | No                                      | Yes                                    |
| Saudi Arabia                   | Partly   | Partly   | Partly  | Not known   | Not known   | Not known   | Not known                               | Not known                              |
| Sri Lanka                      | Partly   | Partly   | Partly  | Partly  | No  | Partly  | Partly                                  | No                                     |
| Tajikistan                     | -  | -  | -   | -   | -   | -   | -                                       | -                                      |
| Turkmenistan                   | -  | -  | -   | -   | -   | -   | -                                       | -                                      |
| United Arab Emirates           | Yes  | Partly   | Partly  | -   | Partly  | No  | Yes                                     | Partly                                 |
| Uzbekistan                     | No   | Partly   | Not known   | No  | No  | No  | Partly                                  | No                                     |

| Country            | Regulation of water levels to provide appropriate habitat conditions for the birds | Eradication or control of invasive species of plants and animals | Regulation of use of certain fish nets / tackle that can lead to bycatch of birds | Tourism activities (control on numbers, access to areas at certain times of year) | Control on selected sports within sensitive areas that are known to harm birds or disturb their daily activities <sup>1</sup> | Use of drones for filming at feeding, roosting or nesting areas | Seasonal restrictions on cattle grazing | Control on feral dogs or domestic cats |
|--------------------|--|--|---|---|---|---|---|--|
| Yemen              | Partly   | Partly   | Yes   | Partly  | Yes   | No  | No                                      | Partly                                 |
| <b>Yes</b>         | <b>1</b>   | <b>2</b>   | <b>5</b>  | <b>3</b>  | <b>4</b>  | <b>3</b>  | <b>2</b>                                | <b>1</b>                               |
| <b>Partly</b>      | <b>11</b>  | <b>12</b>  | <b>11</b>   | <b>13</b>   | <b>10</b>   | <b>4</b>  | <b>8</b>                                | <b>8</b>                               |
| <b>No-Partly</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>1</b>                                | <b>1</b>                               |
| <b>No</b>          | <b>8</b>   | <b>6</b>   | <b>2</b>  | <b>2</b>  | <b>4</b>  | <b>9</b>  | <b>7</b>                                | <b>9</b>                               |
| <b>Do not know</b> | <b>1</b>   | <b>1</b>   | <b>2</b>  | <b>2</b>  | <b>2</b>  | <b>3</b>  | <b>2</b>                                | <b>1</b>                               |
| <b>Total</b>       | <b>21</b>  | <b>21</b>  | <b>20</b>   | <b>20</b>   | <b>20</b>   | <b>19</b>   | <b>20</b>                               | <b>20</b>                              |

1 – Activities that may disturb birds include motor boats, jet skis, off road vehicles, wind surfing, parasailing and kite flying

An information billboard on migratory birds in Koraikulam Tank, Mannar, Sri Lanka. (Photo: Gayomini Panagoda)

**කොරායුලුම පහවකර්ම කාර්යාලය**  
**KORAIKULAM BIRD OBSERVATORY**

**ගෝලීය සම්බන්ධතාවය**  
The global connectivity of Mannar, as revealed by satellite-tagging & bird ringing

**සමීප සම්බන්ධතාවය**  
Satellite-tagged birds revealed how Koraikulam tank is connected to the other wetlands in Mannar

**YOU ARE HERE**  
Map showing the location of Koraikulam Tank and its connection to other wetlands in Mannar.

**මානවයාගේ පහවකර්ම කාර්යාලය**  
Koraikulam tank is the only freshwater lake of Mannar Island, which is a migration hotspot. It is a part of Vidattattivu Nature Reserve. Koraikulam supports ~85 waterbird species including 24 globally & nationally threatened species. During the migratory season, ~25000 waterbirds gather here at a time. During the dry season, it becomes a key breeding ground of resident birds. Endangered mammals as Fishing Cat and Grey Slender Loris also live here. It is one of the best spots to see feral horses and donkeys in Mannar.

- Manuman Plover
- Lesser Frigatebird
- Caribbean Scaup
- Eurasian Spoonbill
- Eurasian Curlew
- Greater Flamingo
- Pallar's Gull
- Hungary Gull
- Brown-headed Gull
- Northern Shoveler
- Northern Pintail
- Eurasian Wigeon
- Indian Spot-billed Duck
- Ban-headed Goose
- Scarce Shelduck
- Scaly-shinned Grebe
- Saw-scaled Warbler

**Endangered Mammals:** Fishing Cat, Grey Slender Loris, Wild Horse, Donkey.

Logos: University of Colombo, get, SGP, Wetlands International, etc.

## Annex 21. Legislation and policies relating to climate change in the CAF

Individual national policy documents under the UNFCCC and CBD can be found at the following registries:

- UNFCCC Nationally Determined Contributions (NDCs): <https://unfccc.int/NDCREG>
- UNFCCC National Adaptation Plans (NAPs): <https://www4.unfccc.int/sites/NAPC/Pages/national-adaptation-plans.aspx>
- UNFCCC Least Developed Countries (LDCs) National Adaptation Programmes of Action (NAPAs): <https://unfccc.int/topics/resilience/workstreams/national-adaptation-programmes-of-action/napas-received>
- UNFCCC National Communication (NC) submissions from Non-Annex I Parties: <https://unfccc.int/non-annex-I-NCs>
- UNFCCC NC submissions from Annex I parties: <https://unfccc.int/NC8>
- CBD National Biodiversity Strategic Action Plans (NBSAPs) and National Reports: <https://www.cbd.int/nbsap/search/>

For national legislation, confirmation of the status of each legislative process would be required to determine relevance. NDCs, NAPAs, NAPs, NCs, and NBSAPs need to be reviewed for further assessment regarding specific benefits to individual migratory species. However, climate mitigation and adaptation action will have systemic benefits for ecosystem function, with risks from specific actions, e.g., clearing intact habitat for mitigation infrastructure or monoculture plantations, destroying potentially endangered species.

| Range state | Legislation and policies for climate change, with links and notes   |
|-------------|---|
| Afghanistan | Submitted NDC, NAP and NBSAP. The only known species conservation plan is for the Snow Leopard, none for migratory species.   |
| Armenia     | Submitted NDC, NAP and NBSAP. Implementation plan for Restoration_of_Khor_Virap_Wetlands. Project for Adaptation to Climate Change in Mountain Forest Ecosystems of Armenia Implementing a community-based reforestation project by Foundation for the Preservation of Wildlife and Cultural Assets (FPWC); Armenia Tree Project to reforest the country; reports for 2020 and 2021.  |
| Bahrain     | Submitted NDC, NC and NBSAP. A site management plan has been drafted for Hawar Island Protected Area.   |
| Bangladesh  | Submitted NDC, NAPA, and NBSAP. NDC includes some references to nature. The Bangladesh climate change Strategy and Action Plan (BCCSAP) was established in 2009. Plans for different protected areas (under consultations from external consultants) including but not limited to: Tanguar Haor Management Plan; Hakaluki Hoar Management Plan; Lawachara National Park Management Plan; Nishorgo Project Management plans for 5 Pas. Spoon-billed Sandpiper Conservation Action Plan is ongoing. Additional policies relating to climate and biodiversity and River Water Quality are available from the Ministry of Environment and Forest. |
| Bhutan      | Submitted NDC, NAPA, and NBSAP. NDC includes reference to nature. Black-necked Crane Conservation Action Plan 2021-2024; Wildlife Habitat Management Plan Bhutan, 2022; CC adaptation plan for Protected Areas (site specific) under development.   |
| China       | Submitted NDC, NBSAP, Xinjiang Biodiversity Conservation Strategy and Action Plan, and Local wildlife protection and development planning.  |
| BIOT        | No legislation or policies identified   |
| Iraq        | Submitted NDC and NBSAP   |
| Iran        | Submitted NDC and NBSAP   |
| India       | Submitted NDC, NBSAP, NC. Some states have included separate climate policies, e.g. Tamil Nadu state has launched state climate change mission in 2022, and site management plan for the Himalayas.   |
| Kazakhstan  | Submitted NDC, NBSAP  |

| Range state          | Legislation and policies for climate change, with links and notes  |
|----------------------|--|
| Kyrgyzstan           | Submitted NDC and NBSAP  |
| Kuwait               | Submitted NDC, NAP, and NBSAP. NDC includes some references to nature.   |
| Maldives             | Submitted NDC, NBSAP, and NAPA. There are some references to nature regarding adaptation. The Maldives Climate Change Policy Framework 2015 outlines full details. There are existing management plans for protected areas which are also important areas for migratory birds.   |
| Mongolia             | Submitted NDC, NAP, NBSAP, with further details outlined in <a href="#">The National Action Programme on Climate Change</a> and the <a href="#">National Biodiversity Programme and Regional climate assessments</a> have been published. The NDC has some reference to nature. Mongolia has also developed a National Program on the Protection of Very Rare and Rare Species and all of the protected areas have a biodiversity conservation management plan in place.   |
| Myanmar              | Submitted NDC, NAPA and NBSAP. NDC includes reference to nature.   |
| Nepal                | Submitted NDC, NAPA, NAP, NBSAP and has a Local Adaptation Plan for Action, National Environment Policy, National Forest Policy, and National Ramsar Strategy and Action Plan. NDC includes reference to nature. Site specific management plans for different national parks are available <a href="#">here</a> and also include: <a href="#">Management plan for Jagadishpur Bird Sanctuary</a> ; <a href="#">Ghodhaghodi Lake Bird Sanctuary Integrated Basin Management</a> ; <a href="#">Plan of Lake Cluster of Pokhara Valley 2016</a> , National Ramsar Strategy and Action Plan. Protected Area Management Plans, <a href="#">species conservation action plans</a> . Other projects and documents include BCN's Darwin Initiatives project documents, Terai Arc Landscape Strategic Plan, Chitwan-Annapurna Linkage Strategic Plan, and Ghodaghodi Lake Management Master Plan. |
| Oman                 | Submitted NDC and NBSAP.   |
| Pakistan             | Submitted NDC, NAP currently under development, and NBSAP. NDC includes some reference to nature. Has specific climate legislation in place: <a href="#">Pakistan Climate Change Act, 2017</a> . Other relevant national policies include the <a href="#">National Climate Change Policy</a> , <a href="#">National Forest Policy</a> ; National Wildlife Policy under process.  |
| Russia               | Submitted NDC. NDC includes some reference to nature.  |
| Saudi Arabia         | Submitted NDC and NBSAP. Protected Areas management plans for Al Jubail Marine Protected Area which include four IBAs (Abu Ali, Gulf coral islands & Sabkhat Al-Fasl), Al Hassa lagoon is declared as national park managed by the National Centre for Vegetation and Desertification.   |
| Sri Lanka            | Submitted NDC, NAP, and NBSAP. NDC includes reference to nature. Sri Lanka has also set up a National Climate Change Panel attached to the Ministry of Environment   |
| Turkmenistan         | Submitted NDC with a NBSAP currently under development.  |
| United Arab Emirates | Submitted NDC and NBSAP. NDC includes reference to nature. UAE has implemented a <a href="#">National Climate Change Plan of the UAE</a> .   |
| Uzbekistan           | Submitted NDC and NBSAP. Has climate related legislation: Strategy of long-term use of non-irrigated dry lands of Uzbekistan, On ratification of Paris Agreement   |
| Qatar                | NDC . NDC only includes reference to nature for adaptation. Qatar has a long-standing commitment to addressing global environmental challenges. Qatar is an active partner in the international community's campaign to confront the climate crisis.   |
| Yemen                | Intended NDC (not submitted), NAPA and NBSAP. Relevant legislation includes: National Strategic Plan, Environmental Protection Law No. 95 of 1995, and Resolution 275 of 2000 to protect and divide the Socotra Archipelago into areas of protection and development. There has been poor implementation of all polices, legislation and planning due to war activities and security issues.   |

*Information from some range states is not available*

## Annex 22. Summary of priority actions related to legislation and policy to enhance the conservation of migratory birds in the CAF based on the national questionnaires

As per the national questionnaires; information from some range states is not available

| Country              | Review or update to strengthen current legislation and policies | Implementation and enforcement of legislation and policies | Awareness raising of existing legislation and policies | Migratory species considerations have been specifically integrated into national sectoral legislation (incl. energy, agriculture, forestry, climate policy) |
|----------------------|---|--|--|---|
| Afghanistan          |   | Moderate   |  |   |
| Armenia              | Moderate  | High   | High   | High  |
| Azerbaijan           | -   | -  | -  | -   |
| Bahrain              | High  | High   | High   | High  |
| Bangladesh           | Moderate  | High   | High   | M-H   |
| Bhutan               | High  | High   | High   | High  |
| BIOT                 | High  | -  | -  | -   |
| China                | Moderate  | High   | Moderate   | Moderate  |
| Georgia              | Moderate  | Moderate   | Moderate   | Moderate  |
| India                | Moderate  | High   | High   | High  |
| Iran                 | -   | High   | High   | -   |
| Iraq                 | -   | -  | -  | -   |
| Kazakhstan           | Moderate  | High   | Moderate   | High  |
| Kuwait               | -   | -  | -  | -   |
| Kyrgyzstan           | Moderate  | High   | High   | Moderate  |
| Maldives             | Moderate  | High   | High   | High  |
| Mongolia             | Moderate  | High   | High   | Moderate  |
| Myanmar              | High  | High   | High   | High  |
| Nepal                | Moderate  | Moderate   | Moderate   | Moderate  |
| Oman                 | Moderate  | Moderate   | Moderate   |   |
| Pakistan             | Moderate  | High   | High   | Moderate  |
| Qatar                | -   | -  | -  | -   |
| Russia               | Moderate  | High   | Moderate   | High  |
| Saudi Arabia         | -   | -  | -  | -   |
| Sri Lanka            | Moderate  | High   | Moderate   | High  |
| Tajikistan           | -   | -  | -  | -   |
| Turkmenistan         | Moderate  | High   | High   | High  |
| United Arab Emirates | High  | Moderate   | -  | -   |
| Uzbekistan           | Moderate  | Moderate   | Moderate   | High  |
| Yemen                | High  | High   | High   | High  |
| <b>High</b>          | <b>7</b>  | <b>18</b>  | <b>14</b>  | <b>13</b>   |
| <b>Moderate</b>      | <b>16</b>   | <b>6</b>   | <b>8</b>   | <b>6</b>  |
| <b>Moderate-High</b> | <b>0</b>  | <b>0</b>   | <b>0</b>   | <b>0</b>  |
| <b>Total</b>         | <b>23</b>   | <b>24</b>  | <b>22</b>  | <b>19</b>   |



| Country             | Reduction or elimination of illegal direct killing and taking | Reduction or elimination of bycatch (accidental killing in fish or other nets or fishing lines) | Collisions with man-made structures | Electrocution by powerlines | Mortality from other causes | Disturbance and disruption to migratory birds or their habitats, that affects their use of these areas | Addressing habitat degradation/ destruction | Reducing scale of legal hunting take through improved regulation/ enforcement |
|---------------------|---|---|-------------------------------------|-----------------------------|-----------------------------|--|---|---|
| High                | 11  | 4   | 11                                  | 15                          | 7                           | 15   | 17  | 10  |
| Moderate            | 11  | 18  | 11                                  | 6                           | 14                          | 7  | 4   | 7   |
| Moderate-high       | 0   | 0   | 0                                   | 0                           | 0                           | 1  | 1   | 0   |
| NA (Not Applicable) | 1   | 0   | 0                                   | 1                           | 0                           | 0  | 0   | 4   |
| <b>Total</b>        | <b>23</b>   | <b>22</b>   | <b>22</b>                           | <b>22</b>                   | <b>21</b>                   | <b>23</b>  | <b>22</b>                                   | <b>21</b>   |

School children designated as “Guardians of Birds” for their enthusiasm and commitment to protect migratory birds in Mannar, Sri Lanka. (Photo: Isuru Anuradha)



## Annex 24. Summary of priority actions to enhance conservation/management/restoration of important habitats for migratory birds in the CAF

As per the national questionnaires; information from some range states is not available

| Country      | Creation/update of a national list or database of sites/habitats of critically importance for migratory birds | Better enforcement of existing laws | Improved management of protected areas for migratory birds in the country | Strengthen capacity of stakeholders in enhancing management (incl. restoration) of protected areas | Improved management (incl. restoration) of OECMs | Strengthen capacity of stakeholders in enhancing management (incl. restoration) of OECMs | Ensure adequate resourcing to undertake conservation / management action |
|--------------|---|-------------------------------------|---|--|--|--|--|
| Afghanistan  | High  | High                                | High  | High   | High   | High   | High   |
| Armenia      | High  | High                                | Moderate  | Moderate   | High   | High   | High   |
| Azerbaijan   | -   | -                                   | -   | -  | -  | -  | -  |
| Bahrain      | High  | High                                | High  | High   | High   | High   | High   |
| Bangladesh   | Moderate  | High                                | High  | Moderate-High  | High   | High   | High   |
| Bhutan       | High  | High                                | High  | Moderate-High  | High   | Moderate-High  | High   |
| BIOT         | -   | -                                   | -   | -  | -  | -  | -  |
| China        | High  | High                                | High  | High   | High   | High   | High   |
| Georgia      | High  | High                                | High  | High   | High   | High   | High   |
| India        | High  | High                                | High  | High   | High   | Moderate-High  | High   |
| Iran         | -   | -                                   | -   | -  | -  | -  | -  |
| Iraq         | -   | -                                   | High  | -  | -  | -  | -  |
| Kazakhstan   | High  | High                                | Moderate  | Moderate   | Moderate   | Moderate   | High   |
| Kuwait       | -   | -                                   | -   | -  | -  | -  | -  |
| Kyrgyzstan   | Moderate  | High                                | High  | Moderate   | High   | Moderate   | High   |
| Maldives     | -   | Moderate                            | High  | Moderate-High  | High   | Moderate-High  | High   |
| Mongolia     | High  | High                                | High  | Moderate-High  | Moderate-High                                    | High   | High   |
| Myanmar      | -   | -                                   | -   | -  | -  | -  | -  |
| Nepal        | Moderate  | Moderate                            | Moderate  | Moderate   | Moderate   | Moderate   | Moderate   |
| Oman         | Moderate  | Moderate                            | Moderate  | Moderate   | Moderate   | Moderate   | Moderate   |
| Pakistan     | Moderate  | Moderate-High                       | Moderate-High   | Moderate-High  | Moderate   | High   | Moderate   |
| Qatar        | -   | -                                   | -   | -  | -  | -  | -  |
| Russia       | Moderate  | High                                | High  | High   | -  | Moderate-High  | -  |
| Saudi Arabia | High  | High                                | High  | Moderate   | High   | High   | High   |
| Sri Lanka    | High  | High                                | Moderate  | High   | High   | High   | High   |
| Tajikistan   | High  | -                                   | High  | -  | -  | -  | -  |
| Turkmenistan | High  | Moderate                            | High  | High   | Moderate   | -  | -  |



| Country                   | Creation/<br>update of a<br>national list<br>or database<br>of sites/<br>habitats of<br>critically<br>importance<br>for migratory<br>birds | Better<br>enforcement<br>of existing<br>laws | Improved<br>management<br>of protected<br>areas for<br>migratory<br>birds in the<br>country | Strengthen<br>capacity of<br>stakeholders<br>in enhancing<br>management<br>(incl.<br>restoration)<br>of protected<br>areas | Improved<br>management<br>(incl.<br>restoration)<br>of OECMs | Strengthen<br>capacity of<br>stakeholders<br>in enhancing<br>management<br>(incl.<br>restoration)<br>of OECMs | Ensure<br>adequate<br>resourcing<br>to undertake<br>conservation<br>/<br>management<br>action |
|---------------------------|--|--|---|--|--|---|---|
| UAE                       | -  | -  | -   | -  | -  | -   | -   |
| Uzbekistan                | High   | High   | High  | High   | High   | High  | High  |
| Yemen                     | High   | High   | High  | High   | High   | High  | High  |
| <b>High</b>               | <b>14</b>  | <b>16</b>                                    | <b>18</b>   | <b>10</b>  | <b>14</b>  | <b>11</b>   | <b>16</b>   |
| <b>Moderate</b>           | <b>7</b>   | <b>4</b>                                     | <b>4</b>  | <b>6</b>   | <b>5</b>   | <b>5</b>  | <b>3</b>  |
| <b>Moderate-<br/>high</b> | <b>0</b>   | <b>1</b>                                     | <b>1</b>  | <b>5</b>   | <b>1</b>   | <b>4</b>  | <b>0</b>  |
| <b>Total</b>              | <b>21</b>  | <b>21</b>                                    | <b>23</b>   | <b>21</b>  | <b>20</b>  | <b>20</b>   | <b>19</b>   |
| <b>% high</b>             | <b>66.7</b>  | <b>76.2</b>                                  | <b>78.3</b>   | <b>47.6</b>  | <b>70.0</b>  | <b>55.0</b>   | <b>84.2</b>   |

**Steppe Eagle** (photo: Daniele Occhiato)



## Annex 25. Summary of priority awareness-raising related actions to enhance conservation of migratory birds and important habitats in the CAF

As per the national questionnaires; information from some range states is not available

| Country              | Awareness raising | Building/strengthening capacity to implement awareness raising programmes | Access to information materials to support development of awareness raising tools & resources | Ensuring adequate resourcing to implement awareness actions for migratory birds and their habitats at local/national level | Identifying innovative financing to support awareness raising activities, including from the private sector |
|----------------------|-------------------|---|---|--|---|
| Afghanistan          | High              | High  | High  | High   | High  |
| Armenia              | High              | High  | High  | High   | High  |
| Azerbaijan           | -                 | -   | -   | -  | -   |
| Bahrain              | High              | High  | High  | High   | High  |
| Bangladesh           | High              | High  | High  | High   | High  |
| Bhutan               | High              | High  | High  | High   | High  |
| BIOT                 | -                 | -   | -   | -  | -   |
| China                | High              | High  | High  | High   | High  |
| Georgia              | High              | High  | High  | High   | High  |
| India                | High              | High  | Moderate  | High   | High  |
| Iran                 | -                 | -   | -   | -  | -   |
| Iraq                 | High              | -   | -   | -  | -   |
| Kazakhstan           | High              | High  | High  | High   | High  |
| Kuwait               | -                 | -   | -   | -  | -   |
| Kyrgyzstan           | High              | High  | High  | High   | High  |
| Maldives             | High              | Moderate  | Moderate  | High   | High  |
| Mongolia             | High              | Moderate-High   | Moderate-High   | Moderate-High  | Moderate-High   |
| Myanmar              | High              | High  | High  | High   | High  |
| Nepal                | Moderate          | Moderate  | High  | High   | High  |
| Oman                 | Moderate          | Moderate  | Moderate  | Moderate   | Moderate  |
| Pakistan             | High              | Moderate-High   | Moderate-High   | Moderate-High  | Moderate  |
| Qatar                | -                 | -   | -   | -  | -   |
| Russia               | -                 | High  | Moderate  | High   | High  |
| Saudi Arabia         | High              | High  | High  | High   | High  |
| Sri Lanka            | High              | High  | High  | High   | High  |
| Tajikistan           | -                 | -   | -   | -  | -   |
| Turkmenistan         | High              | Moderate  | Moderate  | High   | Moderate  |
| UAE                  | -                 | -   | -   | -  | -   |
| Uzbekistan           | High              | High  | High  | High   | High  |
| Yemen                | High              | High  | High  | High   | High  |
| <b>High</b>          | <b>20</b>         | <b>16</b>   | <b>15</b>   | <b>19</b>  | <b>18</b>   |
| <b>Moderate</b>      | <b>2</b>          | <b>4</b>  | <b>5</b>  | <b>1</b>   | <b>3</b>  |
| <b>Moderate-high</b> | <b>0</b>          | <b>2</b>  | <b>2</b>  | <b>2</b>   | <b>1</b>  |
| <b>Total</b>         | <b>22</b>         | <b>22</b>   | <b>22</b>   | <b>22</b>  | <b>22</b>   |
| <b>% high</b>        | <b>90.9</b>       | <b>72.7</b>   | <b>68.2</b>   | <b>86.4</b>  | <b>81.8</b>   |

## Annex 26. Summary of priority capacity building actions to enhance conservation of migratory birds and important habitats in the CAF

As per the national questionnaires; information from some range states is not available

| Country                        | Better use of existing knowledge/information on migratory strategies, habits and movements of migratory birds to support national planning | Enhancing knowledge/information on migratory strategies, habits and movements of different migratory birds in the country | Enhancing monitoring of migratory birds | Strengthen capacity of stakeholders to enhance knowledge on migratory birds and their habitats | Strengthen capacity of stakeholders to enhance conservation / management action for migratory birds | Ensure adequate resourcing to undertake research and monitoring of migratory birds and their habitats | Ensure adequate resourcing to undertake conservation / management action for migratory birds and their habitats |
|--------------------------------|--|---|---|--|---|---|---|
| Afghanistan                    | High   | High  | High                                    | High   | High  | High  | High  |
| Armenia                        | High   | High  | High                                    | High   | High  | High  | High  |
| Azerbaijan                     | -  | -   | -                                       | -  | -   | -   | -   |
| Bahrain                        | Moderate   | Moderate  | Moderate                                | Moderate   | Moderate  | Moderate  | Moderate  |
| Bangladesh                     | High   | Moderate  | High                                    | High   | Moderate-High   | High  | High  |
| Bhutan                         | High   | High  | High                                    | High   | High  | High  | High  |
| British Indian Ocean Territory | -  | -   | -                                       | -  | -   | -   | -   |
| China                          | High   | High  | Moderate                                | Moderate-High  | Moderate-High   | Moderate  | Moderate-High   |
| Georgia                        | High   | Moderate  | Moderate                                | High   | High  | -   | -   |
| India                          | High   | High  | High                                    | High   | High  | High  | High  |
| Iran                           | -  | -   | -                                       | -  | -   | -   | -   |
| Iraq                           | -  | -   | -                                       | -  | -   | -   | -   |
| Kazakhstan                     | High   | High  | High                                    | High   | High  | High  | High  |
| Kuwait                         | -  | -   | -                                       | -  | -   | -   | -   |
| Kyrgyzstan                     | High   | High  | High                                    | Moderate   | Moderate  | High  | High  |
| Maldives                       | Moderate   | High  | High                                    | Moderate-High  | Moderate  | High  | High  |
| Mongolia                       | High   | High  | High                                    | High   | High  | High  | High  |
| Myanmar                        | High   | High  | High                                    | Moderate-High  | Moderate-High   | High  | High  |
| Nepal                          | High   | High  | High                                    | Moderate-High  | High  | High  | High  |
| Oman                           | Moderate   | Moderate  | Moderate                                | Moderate   | Moderate  | Moderate  | Moderate  |
| Pakistan                       | High   | High  | Moderate-High                           | Moderate-High  | Moderate-High   | Moderate-High   | Moderate-High   |
| Qatar                          | -  | -   | -                                       | -  | -   | -   | -   |
| Russia                         | High   | High  | High                                    | Moderate   | Moderate  | High  | High  |
| Saudi Arabia                   | Moderate   | High  | Moderate                                | Moderate   | Moderate  | High  | High  |

| Country              | Better use of existing knowledge/information on migratory strategies, habits and movements of migratory birds to support national planning | Enhancing knowledge/information on migratory strategies, habits and movements of different migratory birds in the country | Enhancing monitoring of migratory birds | Strengthen capacity of stakeholders to enhance knowledge on migratory birds and their habitats | Strengthen capacity of stakeholders to enhance conservation / management action for migratory birds | Ensure adequate resourcing to undertake research and monitoring of migratory birds and their habitats | Ensure adequate resourcing to undertake conservation / management action for migratory birds and their habitats |
|----------------------|--|---|---|--|---|---|---|
| Sri Lanka            | High   | High  | High                                    | Moderate-High  | Moderate-High   | High  | High  |
| Tajikistan           | -  | -   | -                                       | -  | -   | -   | -   |
| Turkmenistan         | High   | High  | High                                    | Moderate-High  | -   | High  | High  |
| United Arab Emirates | -  | -   | -                                       | -  | -   | -   | -   |
| Uzbekistan           | High   | High  | High                                    | High   | High  | High  | High  |
| Yemen                | High   | High  | High                                    | High   | High  | High  | High  |
| <b>High</b>          | <b>18</b>  | <b>18</b>   | <b>17</b>                               | <b>10</b>  | <b>11</b>   | <b>17</b>   | <b>17</b>   |
| <b>Moderate</b>      | <b>4</b>   | <b>4</b>  | <b>5</b>                                | <b>5</b>   | <b>6</b>  | <b>3</b>  | <b>2</b>  |
| <b>Moderate-high</b> | <b>0</b>   | <b>0</b>  | <b>1</b>                                | <b>7</b>   | <b>5</b>  | <b>1</b>  | <b>2</b>  |
| <b>Total</b>         | <b>22</b>  | <b>22</b>   | <b>23</b>                               | <b>22</b>  | <b>22</b>   | <b>21</b>   | <b>21</b>   |



## Annex 27. Summary of priority international cooperation actions to enhance conservation of migratory birds and important habitats in the CAF

As per the national questionnaires; information from some range states is not available

| Country              | Initiate / implement international cooperative actions to achieve conservation of migratory birds and their habitats at local and national level | Build/strengthen capacity of national agencies to engage in international agreements/ initiatives | Build/strengthen capacity of stakeholders to engage in migratory bird and habitat related research, monitoring and conservation actions implemented through international agreements or co-operative programmes |
|----------------------|--|---|---|
| Afghanistan          | High   | High  | High  |
| Armenia              | High   | High  | High  |
| Azerbaijan           | -  | -   | -   |
| Bahrain              | Moderate   | Moderate  | Moderate  |
| Bangladesh           | High   | Moderate-High   | Moderate-High   |
| Bhutan               | High   | High  | High  |
| BIOT                 | -  | -   | -   |
| China                | High   | High  | High  |
| Georgia              | High   | High  | High  |
| India                | High   | High  | Moderate  |
| Iran                 | -  | -   | -   |
| Iraq                 | High   | -   | High  |
| Kazakhstan           | High   | High  | Moderate-High   |
| Kuwait               | -  | -   | -   |
| Kyrgyzstan           | High   | Moderate  | Moderate  |
| Maldives             | High   | High  | High  |
| Mongolia             | High   | High  | High  |
| Myanmar              | High   | High  | Moderate-High   |
| Nepal                | High   | High  | High  |
| Oman                 | Moderate   | Moderate  | Moderate  |
| Pakistan             | Moderate-High  | High  | Moderate-High   |
| Qatar                | -  | -   | -   |
| Russia               | High   | Moderate  | High  |
| Saudi Arabia         | High   | High  | High  |
| Sri Lanka            | High   | High  | High  |
| Tajikistan           | -  | -   | -   |
| Turkmenistan         | High   | High  | Moderate-High   |
| United Arab Emirates | Moderate   | High  | High  |
| Uzbekistan           | High   | High  | High  |
| Yemen                | High   | High  | High  |
| <b>High</b>          | <b>20</b>  | <b>18</b>   | <b>15</b>   |
| <b>Moderate</b>      | <b>3</b>   | <b>4</b>  | <b>4</b>  |
| <b>Moderate-high</b> | <b>1</b>   | <b>1</b>  | <b>5</b>  |
| <b>Total</b>         | <b>24</b>  | <b>23</b>   | <b>24</b>   |
| <b>%high</b>         | <b>83.3</b>  | <b>78.3</b>   | <b>62.5</b>   |

Steppe Eagle  
(photo: Daniele Occhiato / Agami)

