

TIPA ASSESSMENT:

KOUNOUNKAN MASSIF AND PLATEAU,
FORÉCARIAH PREFECTURE

#### **ABSTRACT**

The Kounounkan Massif is home to more than 30 threatened plant species including nine point- endemic species that are globally unique to Kounounkan. There are significant threats to the species and landscape from increased population pressure resulting, in areas being cleared for subsistence farming. The Kounounkan forest is the largest remaining intact lowland forest in Guinee Maritime. It is a significant habitat for many animal and bird species, in addition to its globally important plant diversity.

Martin Cheek, Charlotte Couch, Xander van der Burgt and Pépé Haba











# TIPA Assessment: Kounounkan Massif and Plateau, Forécariah Prefecture.

IPA criteria under which the site qualifies: A(i,iii), (B(ii), C(iii)

**Assessed by:** Martin Cheek, Charlotte Couch, Xander van der Burgt (RBG Kew) and Pépé Haba (Guinée Biodiversité)

#### **IPA** assessment rationale

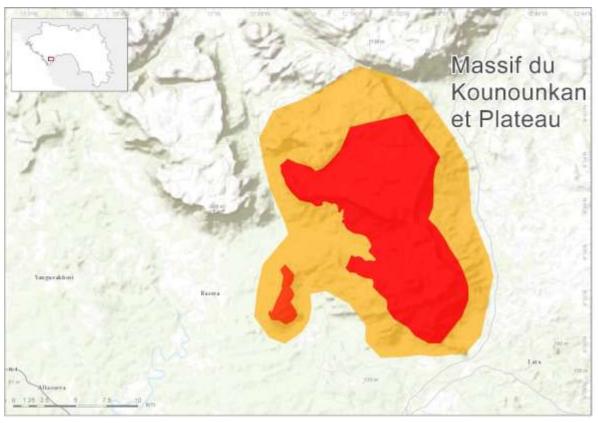
The Kounounkan Massif is home to more than 30 threatened plant species including nine point-endemic species that are globally unique to Kounounkan. There are significant threats to the species and landscape from increased population pressure resulting, in areas being cleared for subsistence farming. The Kounounkan forest is the largest remaining intact lowland forest in Guinee Maritime. It is a significant habitat for many animal and bird species, in addition to its globally important plant diversity.

#### Site overview

Site Name: Kounounkan Massif and Plateau	
Country: Republic of Guinea	Administrative region: Forécariah
Central co-ordinates: 09°33′59"N, 12°52′09"W	Area: 39.55 km <sup>2</sup>
Altitude minimum: 100 m	Altitude maximum: 1180 m

#### **Site Description**

The Kounounkan Massif consists of the southernmost extension of the Fouta Djallon highland area. It comprises a series of several barely connected sandstone table mountains with sheer cliffs falling hundreds of metres, with few and difficult access routes to reach the summit plateaus. In colonial times, this part of Kounounkan was known as Mt Benna. The southernmost tip is uninhabited but elsewhere pastoralists occupy the seasonal summit grasslands. Further east, outside the TIPA, the talus slopes and lowlands are intensively cultivated for Riz de Pays (Oryza glaberrima), Cajanus, and Capsicum. To the west, the talus slopes are forested and descend intact into large areas of lowland evergreen forest, both pristine and secondary, due to intermittent collapse of the cliffs above. Much of the surface is boulder strewn, but despite this it is being cleared for smallholder agriculture.



Map showing location of TIPA. Core area in red, buffer zone in yellow.

#### **Botanical significance**

The Kounounkan Massif is the location for 31 globally threatened species. It is the sole global location for Caillella praerupticola (EN) (Melastomataceae), Mesanthemum bennae (EN) (Eriocaulaceae), Ternstroemia guineenis (EN) (Theaceae), a newly described species in 2019, and five other species. The sandstone plateau has the greatest concentration of high-altitude sandstone bowal endemic species in Guinea and is the most ecologically intact area. The species-rich submontane sandstone bowal grassland in the southern part is pristine, compared to the northern part. The sandstone cliffs below the plateau are also home to several endemic threatened species, some of which occur nowhere else. Kounounkan is only 65km inland from the coast and has the largest surviving lowland 'maritime' forest in Guinea. This contains the largest global populations of several threatened species, such as Diospyros feliciana (EN) (Ebenaceae) and Vepris felicis (CR) (Rutaceae). It also possibly contains the largest area of intact submontane forest in this zone (c. 10km<sup>2</sup>). This transition of lowland evergreen to submontane forest also occurs at Simandou and Ziama in Guinée Forestière, but those have different species compositions. In the faulted valleys on the plateau, good quality undisturbed submontane gallery forest can be found in the southern part, though this is not the case in the northern part where it is disturbed by cattle farmers. Further investigation is required in this area. Lowland forest, submontane forest, sandstone cliffs, and highaltitude sandstone bowal are all recognised threatened habitats in Guinea.

#### General habitat and geology description

Ordovician quarzitic sandstone overlying metamorphic rock, this is the part of the outcrop that extends north to Pita. Thin soils on the plateau with some rock outcrops. On the lower slopes, the soils are deeper and humus rich. In areas of the south and west the soils can be thinner and rockier, as indicated by the presence of *Guibourtia copallifera*.

#### **Conservation issues**

The lower slopes of the forest are under threat from clearance for agriculture with large farms of hill rice mixed with other crops. This is largely for smallholder farming or village cooperatives. On the eastern and western flanks there has been some large-scale, village-led forest clearance, though this has currently been stopped by the government. However, due to the lack of protection of this area, it could commence again. The plateau sandstone bowal grasslands are threatened in the northern part from the increased burning regime brought about by cattle herders. It has already been seen that the increase in fire has pushed several threatened species to the brink of existence at the edge of the plateau.

Kounounkan has high potential for village-based eco-tourism that would benefit local communities, giving an incentive for conservation. Kounounkan is a Classified Forest (designated in 1994), but not a formally Protected Area. Eco-guards are present in the area but are unable to patrol all of it. Designation as a National Park is strongly recommended.

#### **Protected area status and Management**

Kounounkan (also known as Kamalayah) Forêt Classé (Classified Forest) was created in 1994. It is also recognised as an Important Bird Area (IBA) by Birdlife International. There have been several scientific surveys in the area, but no formal management plan has been written.

#### **Threats**

Agriculture: Clearance of large areas for fields.

Pastoralism: Cattle grazing, increased unseasonal fires across grassland.

Wood cutting and harvesting: Wood cutting on a subsistence level.

Non forest timber products: The fruits of Beilschmiedia mannii are harvested every year for sale

by the local population.

Threat level: Medium

# Criterion A: Threatened Species

			Site contains					
Criterion A taxon present	IPA subcriterion	IUCN redlist assessment	≥ 1% of global population	≥ 5% of national population	Is 1 of 5 best sites nationally	Entire global population (single-site endemic)	Species is of socio- economic importance	*Abundance at site
Anisotes guineensis Lindau	A(i)	EN	•	•	•			Frequent
Apodiscus chevalieri Hutch.	A(iii)	EN?	•	•	•			Frequent
Caillella praerupticola JacqFél.	A(i)	EN	•	•	•			Frequent
Cincinnobotrys felicis (A.Chev.) JacqFél.	A(iii)	EN?	•	•	•			Infrequent
Diospyros feliciana Letouzey & F.White	A(i)	EN	•	•	•		•	Frequent
Dissotis leonensis Hutch. & Dalziel	A(i)	EN?	•	•	•			Common
Dissotis splendens A.Chev. & Jacq Fél.	A(i)	EN?	•	•	•			Common
Droogmansia montana Jacq Fél.	A(i)	EN?	•	•	•			Unknown
Fleurydora felicis A.Chev.	A(i)	VU	•	•	•		•	Frequent
Genlisea barthlottii S.Porembski, Eb.Fisch. & Gemmel	A(i)	VU	•	•	•			Abundant
Gladiolus chevalieranus (A.Chev.) Marais	A(i)	EN?	•	•	•			Unknown
Gladiolus sp nov	A(i)	CR?	•	•		•		Scarce
Heterotis pygmaea (A.Chev. & Jacq Fél.) JacqFél.	A(i)	EN?	•	•	•			Infrequent
Impatiens. bennae JacqFél.	A(i)	EN	•	•	•	•		Unknown
Keetia susu Cheek	A(i)	EN	0					Scarce
Kotschya micrantha Harms	A(i)	VU	•	•	•			Infrequent
Kotschya uniflora (A.Chev.) Hepper	A(i)	EN	•	•	•			Frequent
<i>Dilophotriche</i> <i>occidentalis</i> Jacq Fél.	A(i)	VU	•					Frequent

Mesanthemum bennae JacqFél.	A(i)	EN?	•	•	•	•	Infrequent
Neolemmoniera clitandrifolia A.Chev.	A(i)	EN	•	•	•		Frequent
Rhytachne perfecta JacqFél.	A(i)	EN?	•	•	•	•	Infrequent
Dichaetanthera echinulata (Hook.f.) Jacq Fél.	A(i)	EN?	•	•	•		Common
Schizachyrium radicosum Jacq Fél.	A(i)	EN?	•	•	•		Scarce
Stylochaeton pilosus Bogner	A(i)	EN	•				Infrequent
Ternstroemia guineensis Cheek ined.	A(i)	EN?	•	•	•	•	Infrequent
Tessmannia baikieaoides Hutch. & Dalziel	A(i)	VU	•	•			Infrequent
Vepris felicis Breteler	A(i)	CR	•	•			Unknown
Virectaria pepehabai Cheek ined.	A(i)	EN	•	•	•	•	Scarce
Cola lorougnonis Aké Assi	A(i)	CR	•	•	•		Scarce

Key: IUCN category: CR Critically Endangered, EN Endangered, VU Vulnerable. Abundance: Abundant, Common, Frequent, Infrequent, Scarce, Unknown

### Criterion B: Botanical Richness

B(i) exceptional botanical richness within a defined habitat		B(ii): exception species of co importance - site (from national	onservation recording table	B(iii): exceptional number of useful / culturally valuable species (from nationally agreed list)		
*Habitat code and name	Site is part of the top 10% of the national resource	Site is one of the 5 best sites nationally for that habitat	Site contains ≥ 3% of the species on the national list	Site is one of the 15 richest locations nationally	Site contains ≥ 3% of the species on the national list	Site is one of the 15 richest locations nationally
	0	0	•	•	0	0
	0	0				

*Criterion B taxon present	Sub-criterion under which species qualifies	For B(i) – indicator of habitat	*Abundance at site
Anisotes guineensis Lindau	B(ii)		Frequent
Apodiscus chevalieri Hutch.	B(ii)		Frequent
Baphia heudelotiana Baill.	B(ii)		Infrequent
Caillella praerupticola JacqFél.	B(ii)		Frequent
Cincinnobotrys felicis (A.Chev.) Jacq Fél.	B(ii)		Infrequent

Dissotis Jeonensis Hutch. & Dalziel Dissotis splendens A.Chev. & Jacq Fél. Droagmansia montana JacqFél. B(ii) Unknown Fleurydora felicis A.Chev. B(ii) Frequent Genlisea barthlottii S.Porembski, Eb.Fisch. & Gemmel Gladiolus chevalieranus (A.Chev.) B(ii) B(ii) Unknown Marais Gladiolus sp nov B(ii) Scarce Heterotis pygmaea (A.Chev. & Jacq Fél.) JacqFél. Impatiens nzoana subsp. bennae (JacqFél.) Grey-Wilson Keetia susu Cheek B(ii) Kotschya micrantha Harms B(ii) Infrequent Kotschya miflora (A.Chev.) Hepper Dilophotriche occidentalis JacqFél. B(ii) Marsdenia exellii C.Norman B(ii) Infrequent Monocymbium deightonii C.E.Hubb. Reolemmoniera clitandrifolia A.Chev. B(ii) Dichaetanthera echinulata (Hook.f.) JacqFél. B(ii) Infrequent Dichaetanthera echinulata (Hook.f.) JacqFél. B(ii) Infrequent Ternstroemia guineensis Cheek ined. B(ii) Infrequent Infrequent Infrequent Dichaetanthera echinulata (Hook.f.) JacqFél. B(ii) Infrequent Direquent Directedentensis Documenter B(iii) Infrequent Directedentensis Cheek ined. B(iii) Unknown	<i>Diospyros feliciana</i> Letouzey & F.White	B(ii)	Frequent
Fél.  Droogmansia montana JacqFél.  B(ii)  B(ii)  Frequent  Genlisea barthlottii S.Porembski, Eb.Fisch. & Gemmel  Gladialus chevalieranus (A.Chev.)  Marais  Gladialus sp nov  Heterotis pygmaea (A.Chev. & JacqFél.)  Impatiens nzoana subsp. bennae (JacqFél.) Grey-Wilson  Keetia susu Cheek  Kotschya uniflora (A.Chev.) Hepper  Dilophotriche occidentalis JacqFél.  Mesanthemum bennae JacqFél.  Mesanthemum bennae JacqFél.  Monocymbium deightonii C.E.Hubb.  Monocymbium deightonii C.E.Hubb.  Roliii  Dichaetanthera echinulata (Hook.f.) JacqFél.  Schizachyrium radicosum JacqFél.  B(ii)  B(ii)  Infrequent  Mirequent  Mirequent  Monocymbium deightonii C.E.Hubb.  Dichaetanthera echinulata (Hook.f.) JacqFél.  Schizachyrium radicosum JacqFél.  B(ii)  Infrequent  Dinfrequent	Dissotis leonensis Hutch. & Dalziel	B(ii)	Common
Fleurydora felicis A.Chev.  B(ii)  Genlisea barthlottii S.Porembski, Eb.Fisch. & Gemmel  Gladiolus chevolieranus (A.Chev.)  B(ii)  B(ii)  Scarce  Heterotis pygmaea (A.Chev. & Jacq Fél.) JacqFél.  Impatiens nzoana subsp. bennae (JacqFél.) Grey-Wilson  Keetia susu Cheek  Kotschya micrantha Harms  B(ii)  Frequent  Kotschya uniflora (A.Chev.) Hepper  B(ii)  B(ii)  B(ii)  Frequent  Frequent  Frequent  Mesanthemum bennae JacqFél.  B(ii)  Marsdenia exellii C.Norman  Monocymbium deightonii C.E.Hubb.  Molocymbium deightonii C.E.Hubb. B(ii)  Dichaetanthera echinulata (Hook.f.) JacqFél.  B(ii)  Dichaetanthera echinulata (Hook.f.) JacqFél.  B(ii)  Scarce  Frequent  B(ii)  Infrequent  Frequent  Frequent  Dringent  Frequent  B(ii)  Dringent  Frequent  B(ii)  Dringent  Frequent  Frequent  B(iii)  Dringent  Frequent  Fressmannia baikeaoides Hutch. & B(iii)  Dringent	·	B(ii)	Common
Genlisea barthlottii S.Porembski, Eb.Fisch. & Gemmel Gladiolus chevalieranus (A.Chev.) Marais Gladiolus sp nov B(ii) Gladiolus sp nov B(iii) Scarce Heterotis pygmaea (A.Chev. & Jacq Fél.) JacqFél. Impatiens nzoana subsp. bennae (JacqFél.) Grey-Wilson Keetia susu Cheek B(ii) Kotschya mirflora (A.Chev.) Hepper B(iii) Frequent Mesanthemum bennae JacqFél. B(iii) Morsdenia exellii C.Norman B(iii) Infrequent Monocymbium deightonii C.E.Hubb. B(ii) Neolemmoniera clitandrifolia A.Chev. B(iii) Riptquent Common JacqFél. B(iii) Infrequent Frequent Monocymbium deightonii C.E.Hubb. B(iii) Riptquent Rhytachne perfecta JacqFél. B(iii) Infrequent Schizachyrium radicosum JacqFél. B(iii) Infrequent Dichaetanthera echinulata (Hook.f.) JacqFél. B(iii) Jinfrequent Testmonnia baikieaoides Hutch. & B(iii) Infrequent Trenstroemia guineensis Cheek ined. B(iii) Infrequent Tressmannia baikieaoides Hutch. & B(iii) Infrequent Infrequent Infrequent Testmonnia baikieaoides Hutch. & B(iii) Infrequent Infrequent Testmonnia baikieaoides Hutch. & B(iii) Infrequent Infrequent Testmonnia baikieaoides Hutch. & B(iii) Infrequent Infrequent Infrequent Testmonnia baikieaoides Hutch. & B(iii) Infrequent Infrequent Infrequent Infrequent Infrequent Infrequent Infrequent Infrequent Testmonnia baikieaoides Hutch. & B(iii) Infrequent	Droogmansia montana JacqFél.	B(ii)	Unknown
Eb.Fisch. & Gemmel Gladiolus chevalieranus (A.Chev.) Marais  B(ii)  B(ii)  Scarce  Heterotis pygmaea (A.Chev. & Jacq Fél.) JacqFél.  Impatiens nzoana subsp. bennae (JacqFél.) Grey-Wilson  Keetia susu Cheek  Kotschya micrantha Harms  B(ii)  Dilophotriche occidentalis JacqFél.  Mesanthemum bennae JacqFél.  Monocymbium deightonii C.E.Hubb.  Neolemmoniera clitandrifolia A.Chev.  B(ii)  B(ii)  Infrequent  Monocymbium deightonii C.E.Hubb.  B(ii)  Dichaetanthera echinulata (Hook.f.) JacqFél.  B(iii)  Dichaetanthera echinulata (Hook.f.) JacqFél.  B(iii)  Direquent  Ternstroemia guineensis Cheek ined.  B(ii)  Infrequent  Ternstroemia guineensis Cheek ined.  B(iii)  Unknown	Fleurydora felicis A.Chev.	B(ii)	Frequent
Marais  Gladiolus sp nov  B(ii)  Scarce  Heterotis pygmaea (A.Chev. & JacqFél. JacqFél.)  Impatiens nzoana subsp. bennae (JacqFél.) Grey-Wilson  Keetia susu Cheek  Kotschya micrantha Harms  Kotschya uniflora (A.Chev.) Hepper  B(ii)  Mesanthemum bennae JacqFél.  Morogmbium deightonii C.E.Hubb.  Neolemmoniera clitandrifolia A.Chev.  B(ii)  B(ii)  Infrequent  Monocymbium deightonii C.E.Hubb.  Rhytachne perfecta JacqFél.  B(ii)  B(ii)  Dichaetanthera echinulata (Hook.f.)  JacqFél.  Schizachyrium radicosum JacqFél.  B(ii)  Scarce  Stylochaeton pilosus Bogner  B(ii)  Infrequent  Hirequent  Common  JacqFél.  Schizachyrium radicosum JacqFél.  B(ii)  Infrequent	*	B(ii)	Abundant
Heterotis pygmaea (A.Chev. & Jacq Fél.) JacqFél.  Impatiens nzoana subsp. bennae (JacqFél.) Grey-Wilson  Keetia susu Cheek  Kotschya micrantha Harms  B(ii)  Infrequent  Kotschya uniflora (A.Chev.) Hepper  B(ii)  B(ii)  Frequent  Dilophotriche occidentalis JacqFél.  Mesanthemum bennae JacqFél.  B(ii)  Infrequent  Marsdenia exellii C.Norman  B(ii)  Infrequent  Monocymbium deightonii C.E.Hubb.  B(ii)  Dichaetanthera echinulata (Hook.f.)  JacqFél.  B(ii)  Dichaetanthera echinulata (Hook.f.)  JacqFél.  Schizachyrium radicosum JacqFél.  B(ii)  Infrequent  Common  JacqFél.  Schizachyrium radicosum JacqFél.  B(ii)  Infrequent  Ternstroemia guineensis Cheek ined.  B(ii)  Infrequent  Tessmannia baikieaoides Hutch. & B(ii)  Dinfrequent  Dinfrequent  Dinfrequent  Tessmannia baikieaoides Hutch. & B(ii)  Dinfrequent  Dinfrequen		B(ii)	Unknown
Fél.) JacqFél.       B(ii)       Unknown         Impatiens nzoana subsp. bennae (JacqFél.) Grey-Wilson       B(ii)       Scarce         Keetia susu Cheek       B(ii)       Infrequent         Kotschya micrantha Harms       B(ii)       Frequent         Kotschya uniflora (A.Chev.) Hepper       B(ii)       Frequent         Dilophotriche occidentalis JacqFél.       B(ii)       Frequent         Mesanthemum bennae JacqFél.       B(ii)       Infrequent         Marsdenia exellii C.Norman       B(ii)       Unknown         Monocymbium deightonii C.E.Hubb.       B(ii)       Unknown         Neolemmoniera clitandrifolia A.Chev.       B(ii)       Frequent         Rhytachne perfecta JacqFél.       B(ii)       Infrequent         Dichaetanthera echinulata (Hook.f.)       B(ii)       Common         JacqFél.       B(ii)       Scarce         Stylochaeton pilosus Bogner       B(ii)       Infrequent         Ternstroemia guineensis Cheek ined.       B(ii)       Infrequent         Tessmannia baikieaoides Hutch. & B(ii)       Infrequent         Vepris felicis Breteler       B(ii)       Unknown	Gladiolus sp nov	B(ii)	Scarce
ClacqFél.) Grey-Wilson   B(ii)   Scarce	,,,,	B(ii)	Infrequent
Kotschya micrantha Harms  Kotschya uniflora (A.Chev.) Hepper  B(ii)  Frequent  Dilophotriche occidentalis JacqFél.  Mesanthemum bennae JacqFél.  B(ii)  Infrequent  Marsdenia exellii C.Norman  B(ii)  Infrequent  Monocymbium deightonii C.E.Hubb.  Meolemmoniera clitandrifolia A.Chev.  B(ii)  Rhytachne perfecta JacqFél.  B(ii)  Dichaetanthera echinulata (Hook.f.)  JacqFél.  Schizachyrium radicosum JacqFél.  B(ii)  Scarce  Stylochaeton pilosus Bogner  B(ii)  Ternstroemia guineensis Cheek ined.  B(ii)  Dinfrequent  B(ii)  Dinfrequent  Tessmannia baikieaoides Hutch. & B(ii)  Doknown  B(ii)  Dinfrequent		B(ii)	Unknown
Kotschya uniflora (A.Chev.) HepperB(ii)FrequentDilophotriche occidentalis JacqFél.B(ii)FrequentMesanthemum bennae JacqFél.B(ii)InfrequentMarsdenia exellii C.NormanB(ii)UnknownMonocymbium deightonii C.E.Hubb.B(ii)UnknownNeolemmoniera clitandrifolia A.Chev.B(ii)FrequentRhytachne perfecta JacqFél.B(ii)InfrequentDichaetanthera echinulata (Hook.f.) JacqFél.B(ii)CommonSchizachyrium radicosum JacqFél.B(ii)ScarceStylochaeton pilosus BognerB(ii)InfrequentTernstroemia guineensis Cheek ined.B(ii)InfrequentTessmannia baikieaoides Hutch. & DalzielB(ii)Unknown	Keetia susu Cheek	B(ii)	Scarce
Dilophotriche occidentalis JacqFél.  Mesanthemum bennae JacqFél.  Marsdenia exellii C.Norman  B(ii)  Infrequent  Monocymbium deightonii C.E.Hubb.  Neolemmoniera clitandrifolia A.Chev.  B(ii)  Infrequent  Mytachne perfecta JacqFél.  B(ii)  Dichaetanthera echinulata (Hook.f.) JacqFél.  Schizachyrium radicosum JacqFél.  B(ii)  Scarce  Stylochaeton pilosus Bogner  B(ii)  Infrequent  Ternstroemia guineensis Cheek ined.  B(ii)  Infrequent  Dalziel  Vepris felicis Breteler  B(ii)  Unknown	Kotschya micrantha Harms	B(ii)	Infrequent
Mesanthemum bennae JacqFél.B(ii)InfrequentMarsdenia exellii C.NormanB(ii)InfrequentMonocymbium deightonii C.E.Hubb.B(ii)UnknownNeolemmoniera clitandrifolia A.Chev.B(ii)FrequentRhytachne perfecta JacqFél.B(ii)InfrequentDichaetanthera echinulata (Hook.f.) JacqFél.B(ii)CommonSchizachyrium radicosum JacqFél.B(ii)ScarceStylochaeton pilosus BognerB(ii)InfrequentTernstroemia guineensis Cheek ined.B(ii)InfrequentTessmannia baikieaoides Hutch. & DalzielB(ii)InfrequentVepris felicis BretelerB(ii)Unknown	Kotschya uniflora (A.Chev.) Hepper	B(ii)	Frequent
Marsdenia exellii C.NormanB(ii)InfrequentMonocymbium deightonii C.E.Hubb.B(ii)UnknownNeolemmoniera clitandrifolia A.Chev.B(ii)FrequentRhytachne perfecta JacqFél.B(ii)InfrequentDichaetanthera echinulata (Hook.f.) JacqFél.B(ii)CommonSchizachyrium radicosum JacqFél.B(ii)ScarceStylochaeton pilosus BognerB(ii)InfrequentTernstroemia guineensis Cheek ined.B(ii)InfrequentTessmannia baikieaoides Hutch. & DalzielB(ii)Unknown	Dilophotriche occidentalis JacqFél.	B(ii)	Frequent
Monocymbium deightonii C.E.Hubb.B(ii)UnknownNeolemmoniera clitandrifolia A.Chev.B(ii)FrequentRhytachne perfecta JacqFél.B(ii)InfrequentDichaetanthera echinulata (Hook.f.)B(ii)CommonJacqFél.ScarceSchizachyrium radicosum JacqFél.B(ii)ScarceStylochaeton pilosus BognerB(ii)InfrequentTernstroemia guineensis Cheek ined.B(ii)InfrequentTessmannia baikieaoides Hutch. & DalzielB(ii)Unknown	Mesanthemum bennae JacqFél.	B(ii)	Infrequent
Neolemmoniera clitandrifolia A.Chev.B(ii)FrequentRhytachne perfecta JacqFél.B(ii)InfrequentDichaetanthera echinulata (Hook.f.)B(ii)CommonJacqFél.Schizachyrium radicosum JacqFél.B(ii)ScarceStylochaeton pilosus BognerB(ii)InfrequentTernstroemia guineensis Cheek ined.B(ii)InfrequentTessmannia baikieaoides Hutch. & DalzielB(ii)Unknown	Marsdenia exellii C.Norman	B(ii)	Infrequent
Rhytachne perfecta JacqFél.  Dichaetanthera echinulata (Hook.f.) JacqFél.  Schizachyrium radicosum JacqFél.  Stylochaeton pilosus Bogner  Ternstroemia guineensis Cheek ined.  Tessmannia baikieaoides Hutch. & Dalziel  Vepris felicis Breteler  B(ii)  Infrequent  Infrequent  Infrequent  Unknown		B(ii)	Unknown
Dichaetanthera echinulata (Hook.f.) JacqFél.  Schizachyrium radicosum JacqFél.  Stylochaeton pilosus Bogner  B(ii)  Ternstroemia guineensis Cheek ined.  B(ii)  Tessmannia baikieaoides Hutch. & Dalziel  Vepris felicis Breteler  B(ii)  Common  Scarce  B(ii)  Infrequent  Infrequent  Unknown	Neolemmoniera clitandrifolia A.Chev.	B(ii)	Frequent
JacqFél.Schizachyrium radicosum JacqFél.B(ii)ScarceStylochaeton pilosus BognerB(ii)InfrequentTernstroemia guineensis Cheek ined.B(ii)InfrequentTessmannia baikieaoides Hutch. & DalzielB(ii)InfrequentVepris felicis BretelerB(ii)Unknown	Rhytachne perfecta JacqFél.	B(ii)	Infrequent
Stylochaeton pilosus Bogner B(ii) Infrequent  Ternstroemia guineensis Cheek ined. B(ii) Infrequent  Tessmannia baikieaoides Hutch. & B(ii) Infrequent  Dalziel Vepris felicis Breteler B(ii) Unknown	•	B(ii)	Common
Ternstroemia guineensis Cheek ined.  B(ii)  Infrequent  Tessmannia baikieaoides Hutch. & Dalziel  Vepris felicis Breteler  B(ii)  Unknown	Schizachyrium radicosum JacqFél.	B(ii)	Scarce
Tessmannia baikieaoides Hutch. & B(ii) Infrequent Dalziel Vepris felicis Breteler B(ii) Unknown	Stylochaeton pilosus Bogner	B(ii)	Infrequent
Dalziel	Ternstroemia guineensis Cheek ined.	B(ii)	Infrequent
		B(ii)	Infrequent
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	Vepris felicis Breteler	B(ii)	Unknown
Virectaria pepenabai Cheek ined. B(ii) Scarce	Virectaria pepehabai Cheek ined.	B(ii)	Scarce

Key: Abundance: Abundant, Common, Frequent, Infrequent, Scarce, Unknown

#### Criterion C: Threatened Habitat

			Site contains		
*Habitat type	IPA subcriterion	IUCN redlist assessment	≥ 5% of national resource (for C(i) and C(ii))	≥ 10% of national resource (for C(iii))	Estimated area at site (if known)
Maritime lowland evergreen forest	C(iii)			•	Unknown
Submontane forest	C(iii)			•	c.10 km <sup>2</sup>
Sandstone cliffs	C(iii)			•	Unknown
High altitude sandstone bowal	C(iii)			•	Unknown

#### **Bibliography**

IUCN Red List: <a href="www.redlist.org">www.redlist.org</a> accessed Dec 2018

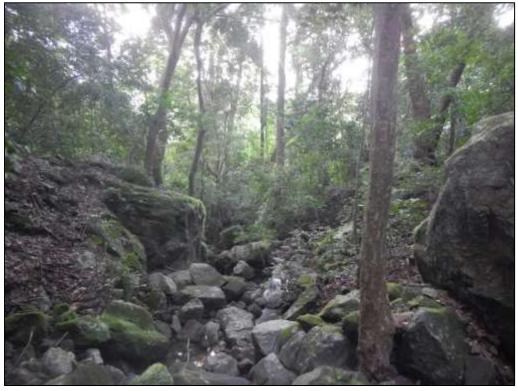
Couch, C; Magassouba, S; Rokni, S; Cheek, M. (2018) Threatened plants species of Guinea-Conakry: A preliminary checklist. PeerJ Preprints. <a href="https://doi.org/10.7287/peerj.preprints.3451v2">https://doi.org/10.7287/peerj.preprints.3451v2</a>

Rapports du terrain par Xander van der Burgt (2016-2018) RBG Kew.

## Site in pictures



Kounounkan forest near Gbara village (Photo: © Xander van der Burgt, RBG Kew)



Kounounkan forest near Samayah (Photo: © Xander van der Burgt, RBG Kew)



Kounounkan submontane forest near Gbara. (Photo: © Xander van der Burgt, RBG Kew)



Kounounkan Massif Plateau. (Photo: © Xander van der Burgt, RBG Kew)



Kounounkan Massif Plateau in the distance, showing cultivation on lower slopes. (Photo: © Xander van der Burgt, RBG Kew)



Rock slide seen in October 2016. (Photo: © Xander van der Burgt, RBG Kew)

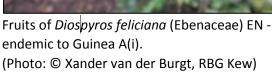


Cailliella praerupticola (Melastomataceae) EN - endemic to the Kounounkan Massif A(i). (Photo: © Xander van der Burgt, RBG Kew)



Tessmannia baikieoides (Leguminosae) VU A(i). (Photo: © Xander van der Burgt, RBG Kew)







Dactyladenia sp. nov. Chrysobalanaceae - a new species to science A(i). (Photo: © Xander van der Burgt, RBG Kew)



Dissotis leonensis EN (Melastomataceae) A(i). (Photo: © Xander van der Burgt, RBG Kew)



Fleurydora felicis (Ochnaceae) VU endemic to Guinea A(i). (Photo: © Xander van der Burgt, RBG Kew)



















