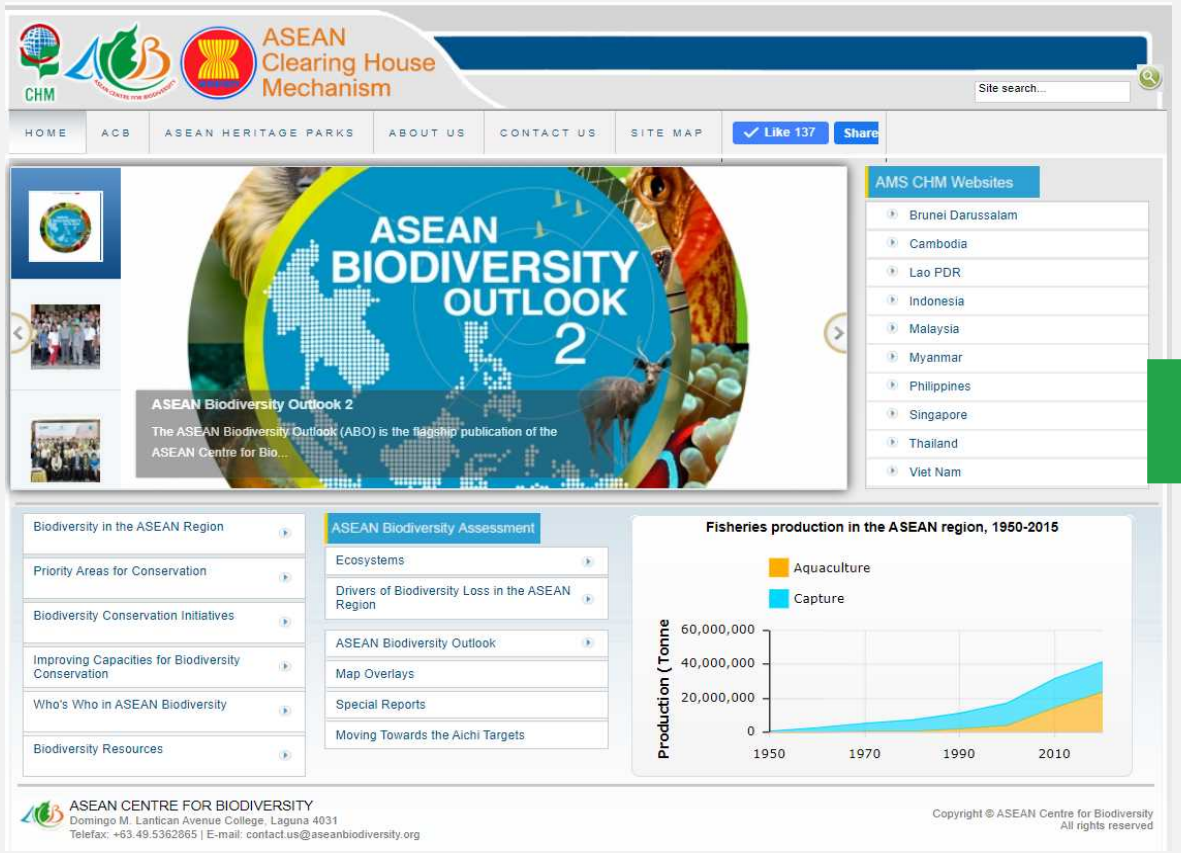
ASEAN Clearing House Mechanism

What's new and what's interesting

What's new?

Bioland (CBD)


ASEAN Clearing House Mechanism
CHM
HOME
ACB
ASEAN HERITAGE PARKS
ABOUT US
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SITE MAP
Like 137
Share
Site search...
ASEAN BIODIVERSITY OUTLOOK 2
ASEAN Biodiversity Outlook 2
The ASEAN Biodiversity Outlook (ABO) is the flagship publication of the ASEAN Centre for Bio...
AMS CHM Websites
Brunei Darussalam
Cambodia
Lao PDR
Indonesia
Malaysia
Myanmar
Philippines
Singapore
Thailand
Viet Nam
Biodiversity in the ASEAN Region
Priority Areas for Conservation
Biodiversity Conservation Initiatives
Improving Capacities for Biodiversity Conservation
Who's Who in ASEAN Biodiversity
Biodiversity Resources
ASEAN Biodiversity Assessment
Ecosystems
Drivers of Biodiversity Loss in the ASEAN Region
ASEAN Biodiversity Outlook
Map Overlays
Special Reports
Moving Towards the Aichi Targets
Fisheries production in the ASEAN region, 1950-2015
Aquaculture
Capture
Production (Tonne
60,000,000
40,000,000
20,000,000
0
1950
1970
1990
2010
ASEAN CENTRE FOR BIODIVERSITY
Domingo M. Lantican Avenue College, Laguna 4031
Telefax: +63.49.5362865 | E-mail: contact.us@aseanbiodiversity.org
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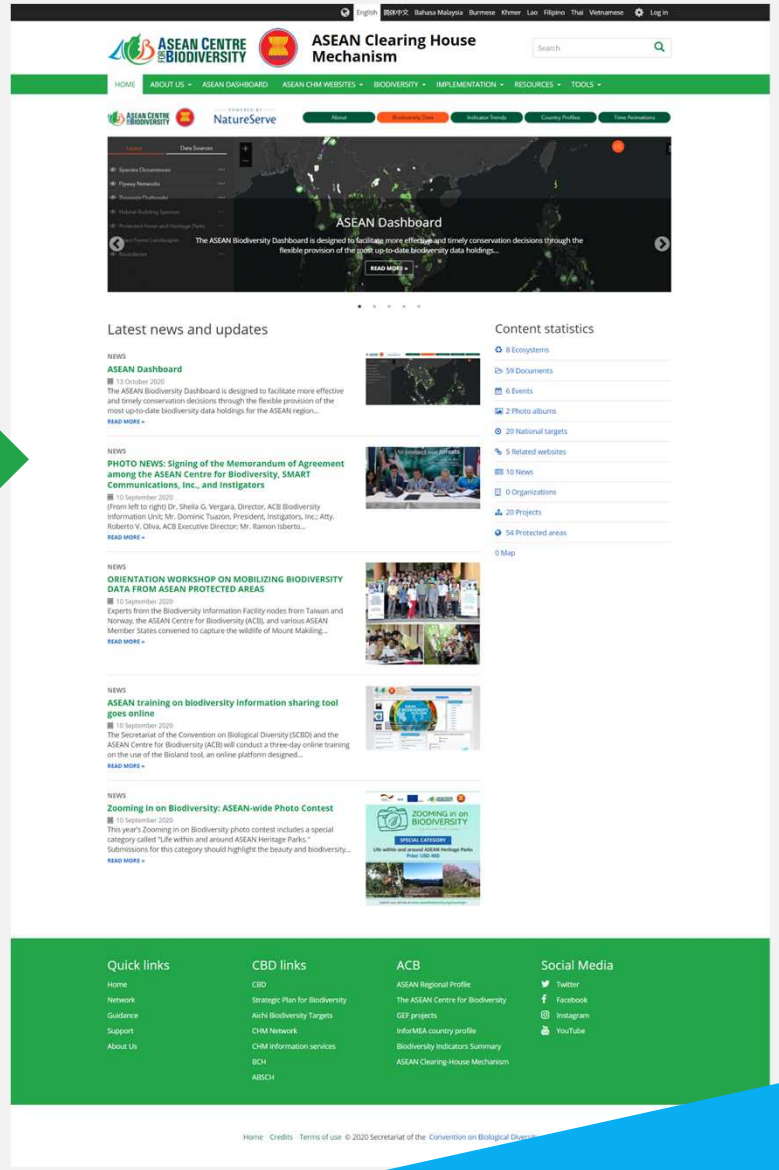
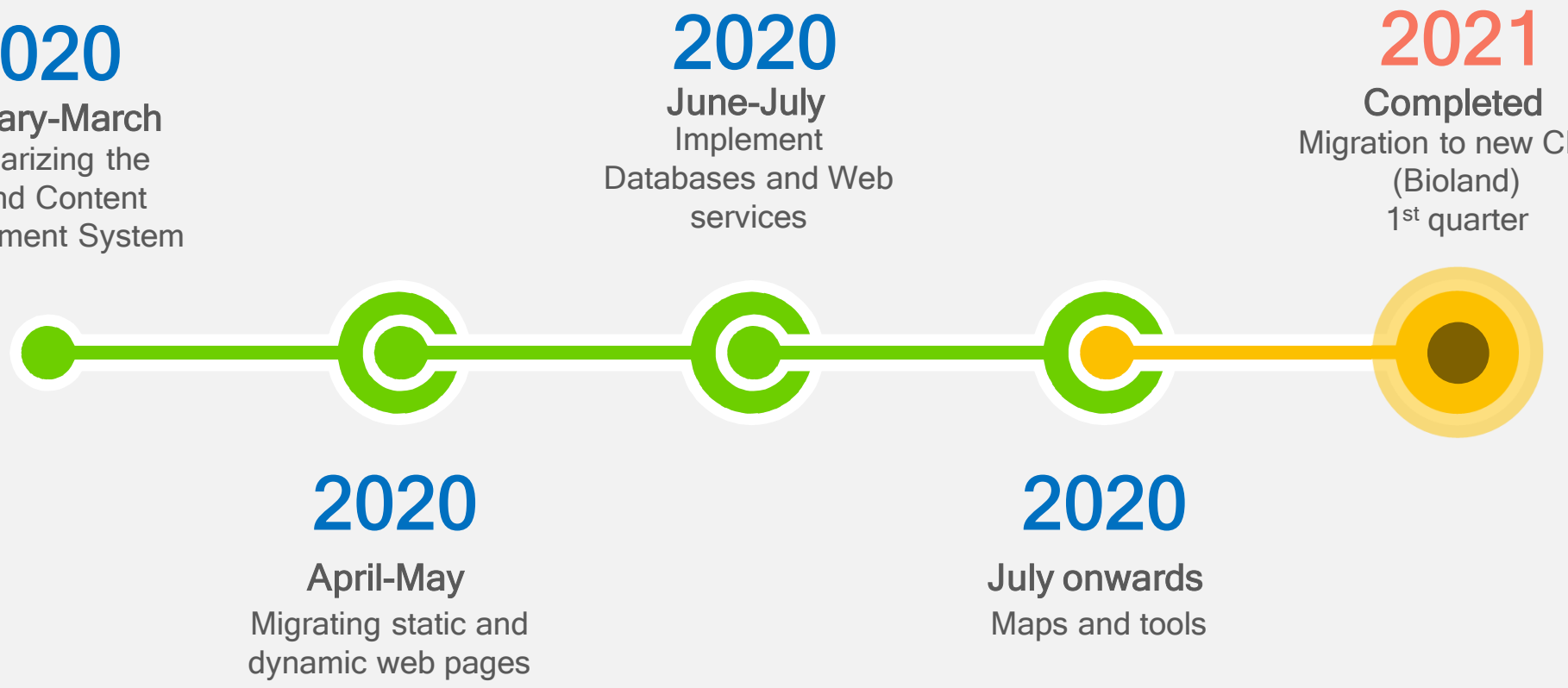
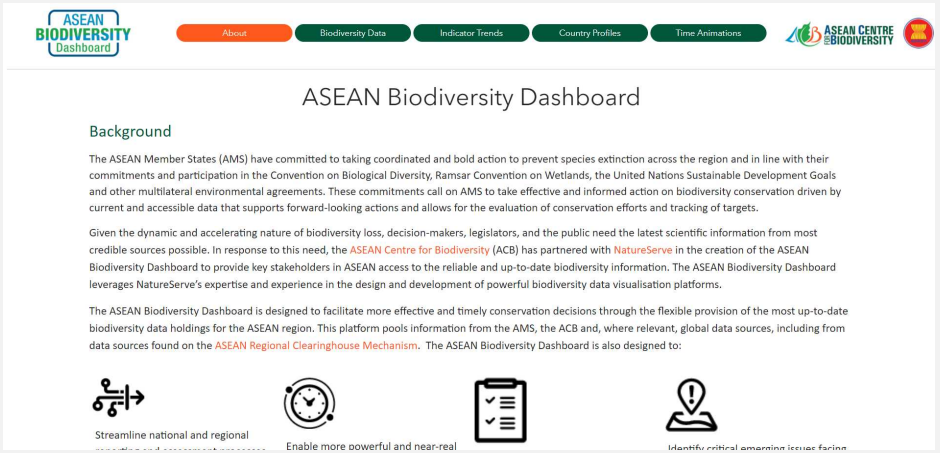
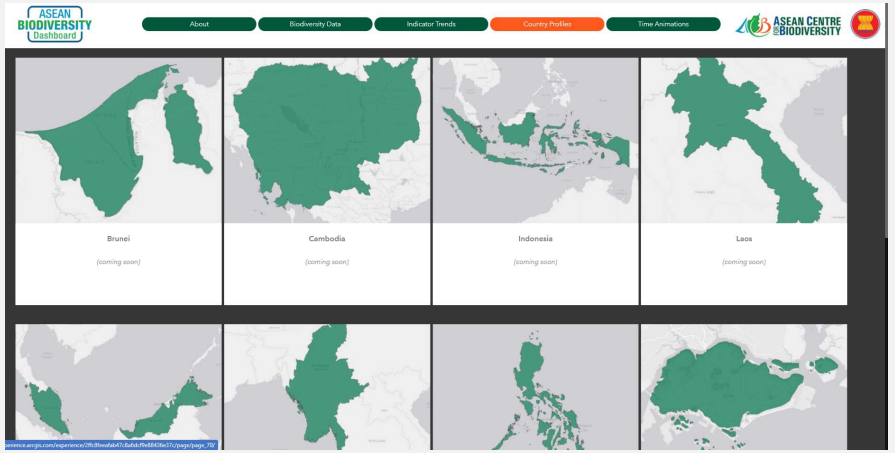
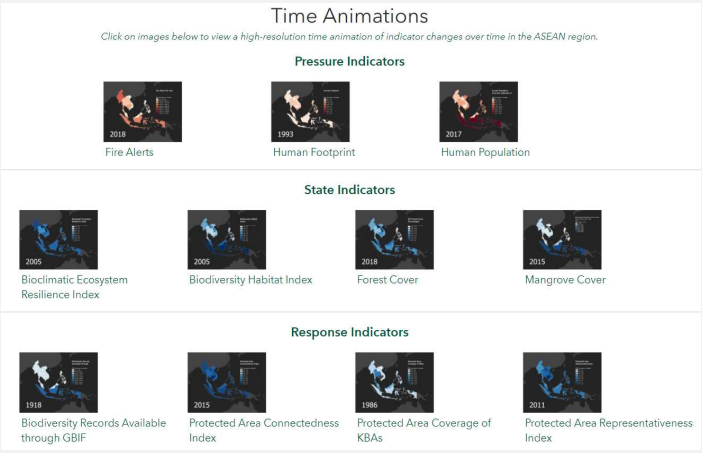

ASEAN CENTRE FOR BIODIVERSITY
ASEAN Clearing House Mechanism
HOME
ABOUT US
ASEAN DASHBOARD
ASEAN CHM WEBSITES
BIODIVERSITY
IMPLEMENTATION
RESOURCES
TOOLS
NatureServe
ASEAN Dashboard
Latest news and updates
Content statistics
ASEAN Dashboard
PHOTO NEWS: Signing of the Memorandum of Agreement among the ASEAN Centre for Biodiversity, SMART Communications, Inc., and Instigators
ORIENTATION WORKSHOP ON MOBILIZING BIODIVERSITY DATA FROM ASEAN PROTECTED AREAS
ASEAN training on biodiversity information sharing tool goes online
Zooming in on Biodiversity: ASEAN-wide Photo Contest
Quick links
CBD links
ACB
Social Media

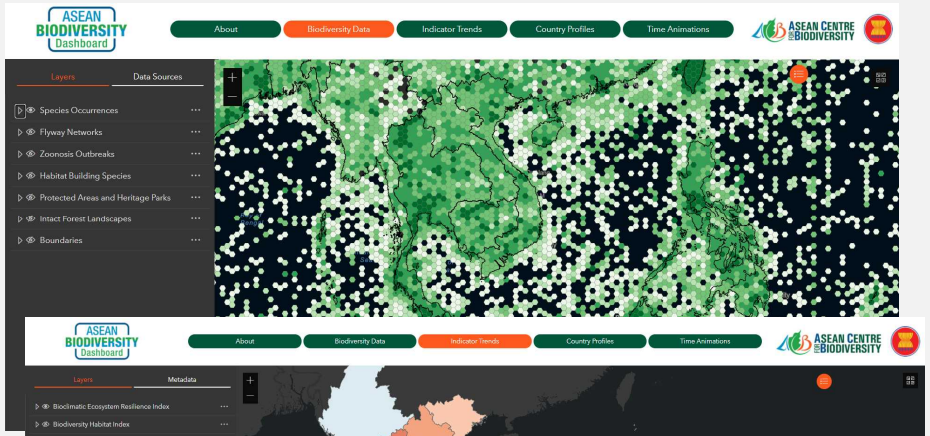
Timeline migration

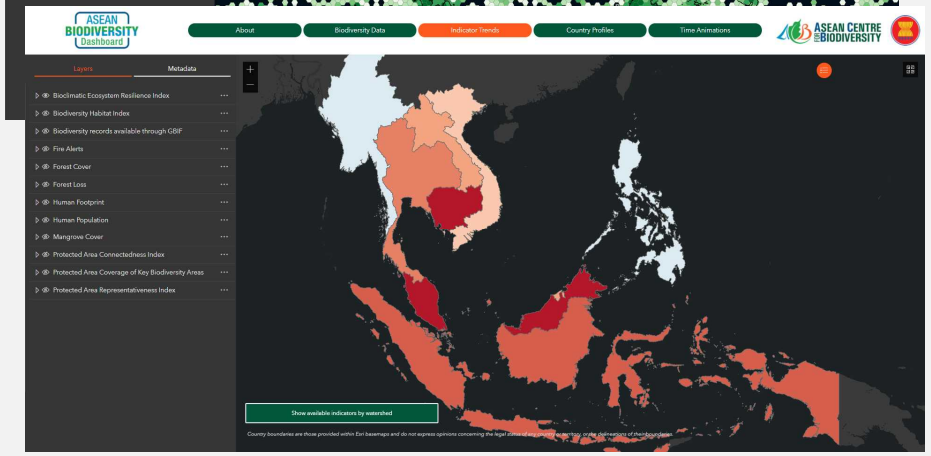



ASEAN BIODIVERSITY Dashboard
About
Biodiversity Data
Indicator Trends
Country Profiles
Time Animations
ASEAN CENTRE for BIODIVERSITY
ASEAN Biodiversity Dashboard
Background
The ASEAN Member States (AMS) have committed to taking coordinated and bold action to prevent species extinction across the region and in line with their commitments and participation in the Convention on Biological Diversity, Ramsar Convention on Wetlands, the United Nations Sustainable Development Goals and other multilateral environmental agreements. These commitments call on AMS to take effective and informed action on biodiversity conservation driven by current and accessible data that supports forward-looking actions and allows for the evaluation of conservation efforts and tracking of targets.
Given the dynamic and accelerating nature of biodiversity loss, decision-makers, legislators, and the public need the latest scientific information from most credible sources possible. In response to this need, the ASEAN Centre for Biodiversity (ACB) has partnered with NatureServe in the creation of the ASEAN Biodiversity Dashboard to provide key stakeholders in ASEAN access to the reliable and up-to-date biodiversity information. The ASEAN Biodiversity Dashboard leverages NatureServe's expertise and experience in the design and development of powerful biodiversity data visualisation platforms.
The ASEAN Biodiversity Dashboard is designed to facilitate more effective and timely conservation decisions through the flexible provision of the most up-to-date biodiversity data holdings for the ASEAN region. This platform pools information from the AMS, the ACB and, where relevant, global data sources, including from data sources found on the ASEAN Regional Clearinghouse Mechanism. The ASEAN Biodiversity Dashboard is also designed to:
Streamline national and regional
Enable more powerful and near-real
Identify critical emerging issues facing


ASEAN BIODIVERSITY Dashboard
About
Biodiversity Data
Indicator Trends
Country Profiles
Time Animations
ASEAN CENTRE for BIODIVERSITY
Brunei
(coming soon)
Cambodia
(coming soon)
Indonesia
(coming soon)
Laos
(coming soon)


Time Animations
Click on images below to view a high-resolution time animation of indicator changes over time in the ASEAN region.
Pressure Indicators
2018
Fire Alerts
1993
Human Footprint
2017
Human Population
State Indicators
2005
Bioclimatic Ecosystem Resilience Index
2005
Biodiversity Habitat Index
2018
Forest Cover
2015
Mangrove Cover
Response Indicators
1918
Biodiversity Records Available through GBIF
2015
Protected Area Connectedness Index
1986
Protected Area Coverage of KBAs
2011
Protected Area Representativeness Index


ASEAN BIODIVERSITY Dashboard
About
Biodiversity Data
Indicator Trends
Country Profiles
Time Animations
ASEAN CENTRE for BIODIVERSITY
Layers
Data Sources
Species Occurrences
Flyway Networks
Zoonosis Outbreaks
Habitat Building Species
Protected Areas and Heritage Parks
Intact Forest Landscapes
Boundaries


ASEAN BIODIVERSITY Dashboard
About
Biodiversity Data
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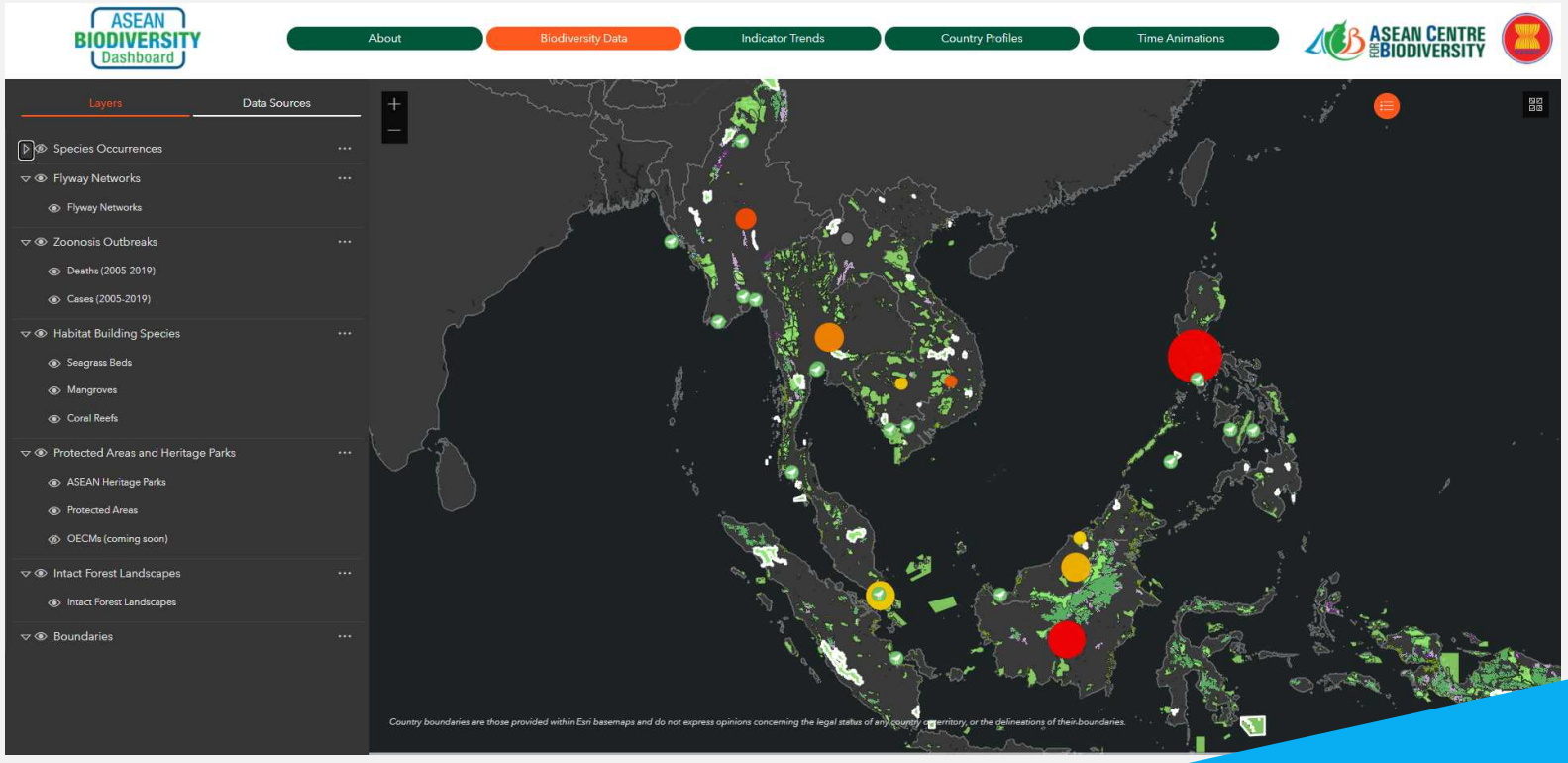
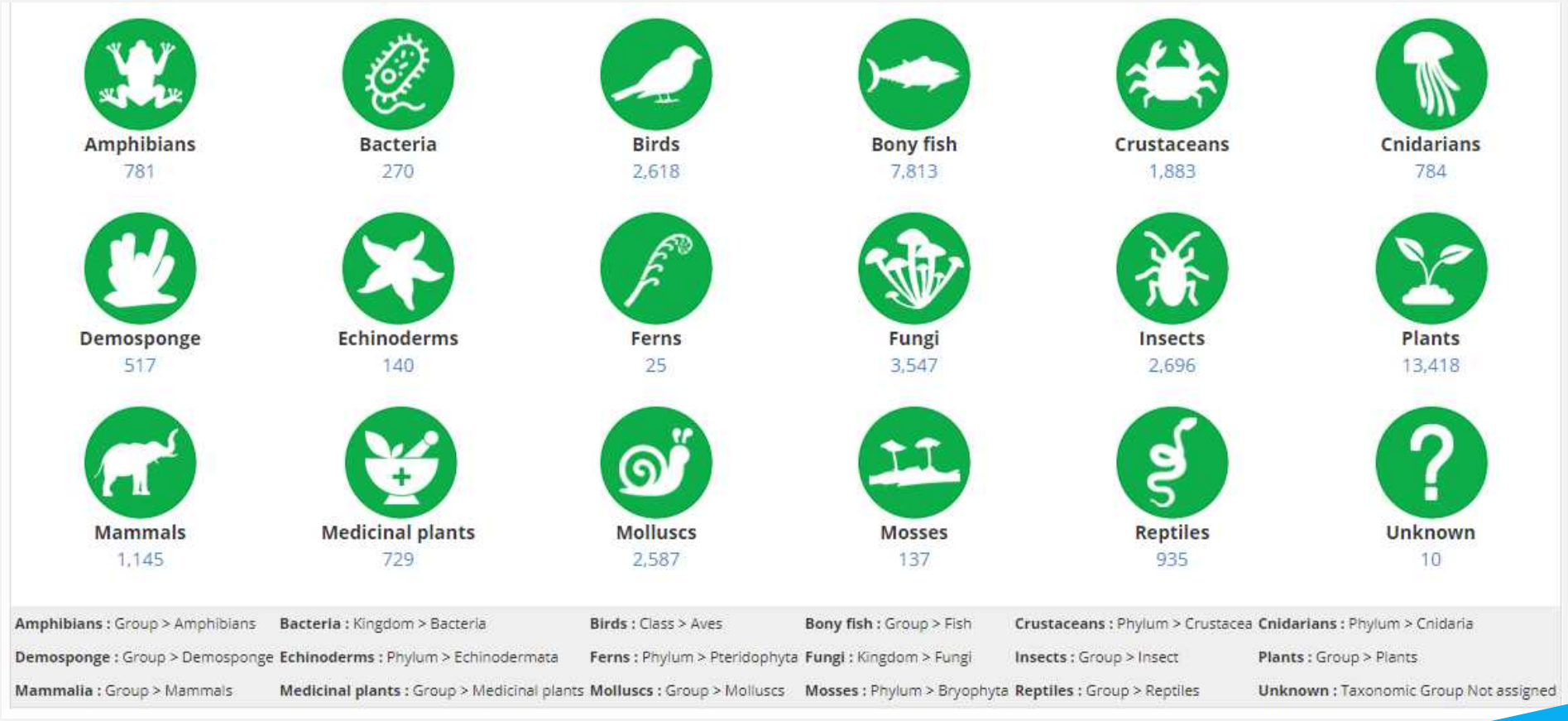
Country Profiles
Time Animations
ASEAN CENTRE for BIODIVERSITY
Layers
Metadata
Bioclimatic Ecosystem Resilience Index
Biodiversity Habitat Index
Biodiversity records available through GBIF
Fire Alerts
Forest Cover
Forest Loss
Human Footprint
Human Population
Mangrove Cover
Protected Area Connectedness Index
Protected Area Coverage of Key Biodiversity Areas
Protected Area Representativeness Index
Show available indicators by watershed

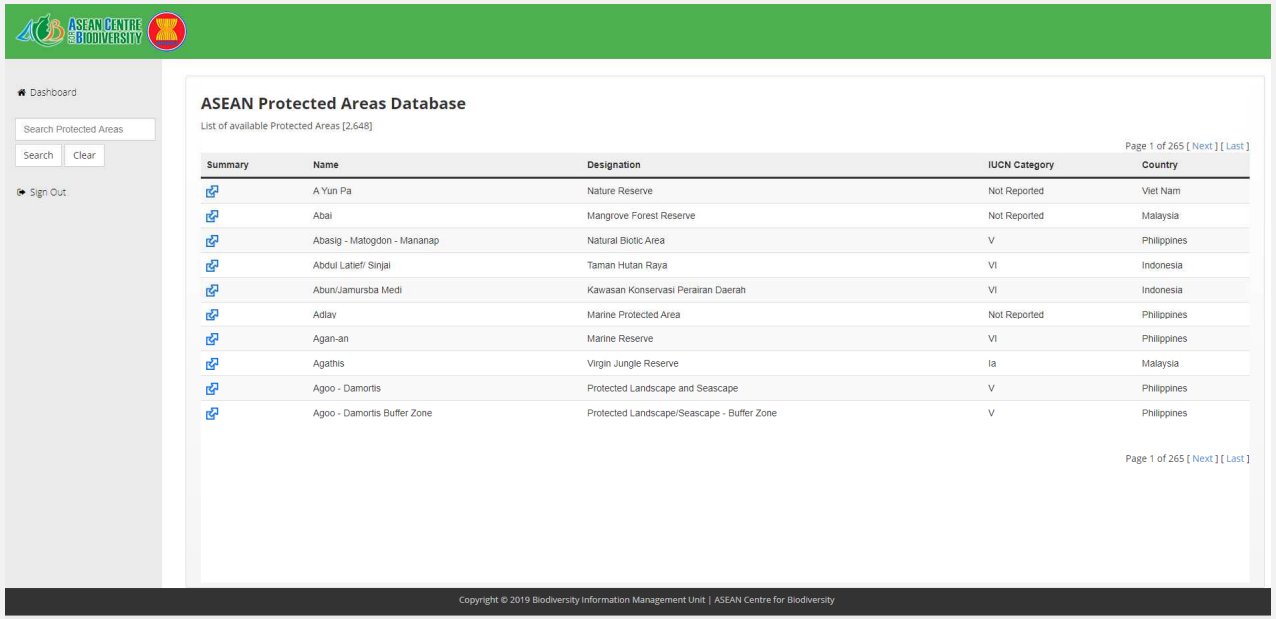

ASEAN BIODIVERSITY Dashboard
About
Biodiversity Data
Indicator Trends
Country Profiles
Time Animations
ASEAN CENTRE for BIODIVERSITY
Layers
Data Sources
Species Occurrences
Flyway Networks
Flyway Networks
Zoonosis Outbreaks
Deaths (2005-2019)
Cases (2005-2019)
Habitat Building Species
Seagrass Beds
Mangroves
Coral Reefs
Protected Areas and Heritage Parks
ASEAN Heritage Parks
Protected Areas
OECMs (coming soon)
Intact Forest Landscapes
Intact Forest Landscapes
Boundaries
Country boundaries are those provided within Esri basemaps and do not express opinions concerning the legal status of any country or territory, or the delineations of their boundaries.

What's interesting?

Regional Biodiversity Database
A SQL database to manage and store ASEAN biodiversity data
Example DarwinCore,WDPA, R Package and API
Regional Biodiversity Indicators
A suite of ASEAN country indicators to track the progress towards meeting ASEAN region's to conserve biodiversity
Record Management System
An online system to capture, visualize and manage biodiversity records, supported by Online and Offline data encoding
Example RDE Excel and Web
Biodiversity Actions Reporting System
An automated summary to manage maps, graphs, charts, species and PA data standardization and visualize actions taken to benefit biodiversity
Management
Reporting
ASEAN Clearing House Mechanism
Documenting ASEAN's Biodiversity
One region, ten countries, diverse species and habitats... linked together in one portal website
Publishing
Biodiversity Maps
A regional mapping and data portal to visualize, query and provide access to biodiversity data to inform policy and decision-makers
Regional Nodes
A Biodiversity Information Network
GBIF, OBIS, Natureserve, Fishbase, WDPA, ABCDNet, APBON
Co-ordination
Integrated Publishing Toolkit IPT ver.4
A free open source software tool used to publish and share biodiversity datasets through the GBIF network.
Biodiversity Inventory
An inventory of sources of data with linkages to published spatial datasets, E-Lib, Knowledge Managegment, Policies, PA's, AHP's, FOB, RABE, IAS, TKDL
Species Profile System
A system bringing together empirical information and comprehensive biodiversity data to build a detailed dynamic ASEAN species

38,982
Species
2,648
Protected Areas
67,799
Species in PA
1,950
Friends of Biodiversity
13,421
E-Library
49
ASEAN Heritage Parks
2,093
Invasive Alien Species


Amphibians
781
Bacteria
270
Birds
2,618
Bony fish
7,813
Crustaceans
1,883
Cnidarians
784
Demosponge
517
Echinoderms
140
Ferns
25
Fungi
3,547
Insects
2,696
Plants
13,418
Mammals
1,145
Medicinal plants
729
Molluscs
2,587
Mosses
137
Reptiles
935
Unknown
10
Amphibians : Group > Amphibians
Bacteria : Kingdom > Bacteria
Birds : Class > Aves
Bony fish : Group > Fish
Crustaceans : Phylum > Crustacea
Cnidarians : Phylum > Cnidaria
Demosponge : Group > Demosponge
Echinoderms : Phylum > Echinodermata
Ferns : Phylum > Pteridophyta
Fungi : Kingdom > Fungi
Insects : Group > Insect
Plants : Group > Plants
Mammalia : Group > Mammals
Medicinal plants : Group > Medicinal plants
Molluscs : Group > Molluscs
Mosses : Phylum > Bryophyta
Reptiles : Group > Reptiles
Unknown : Taxonomic Group Not assigned


Dashboard
Search Protected Areas
Search
Clear
Sign Out
ASEAN Protected Areas Database
List of available Protected Areas [2,648]
Page 1 of 265 [Next] [Last]
Summary
Name
Designation
IUCN Category
Country
A Yun Pa
Nature Reserve
Not Reported
Viet Nam
Abai
Mangrove Forest Reserve
Not Reported
Malaysia
Abasig - Matogdon - Mananap
Natural Biotic Area
V
Philippines
Abdul Latief/ Sinjai
Taman Hutan Raya
VI
Indonesia
Abun/Jamursba Medi
Kawasan Konservasi Perairan Daerah
VI
Indonesia
Adlay
Marine Protected Area
Not Reported
Philippines
Agan-an
Marine Reserve
VI
Philippines
Agathis
Virgin Jungle Reserve
Ia
Malaysia
Agoo - Damortis
Protected Landscape and Seascape
V
Philippines
Agoo - Damortis Buffer Zone
Protected Landscape/Seascape - Buffer Zone
V
Philippines
Page 1 of 265 [Next] [Last]
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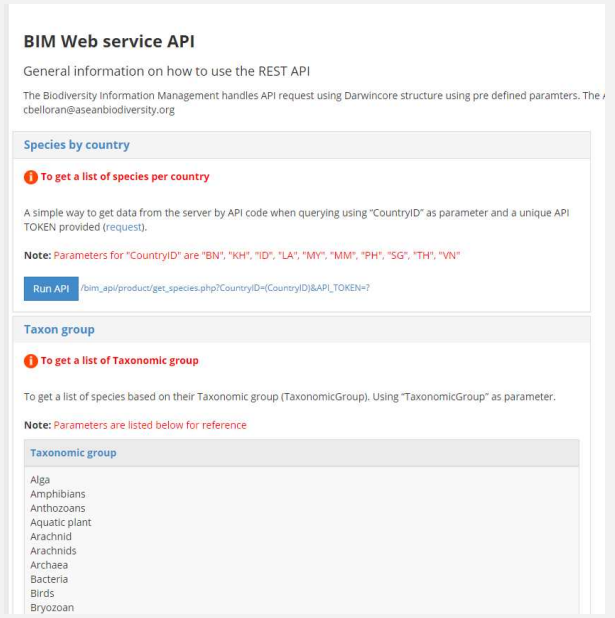
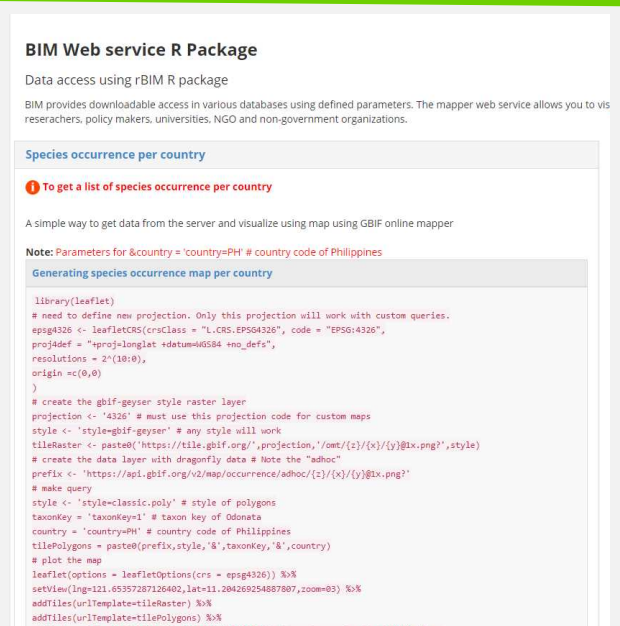
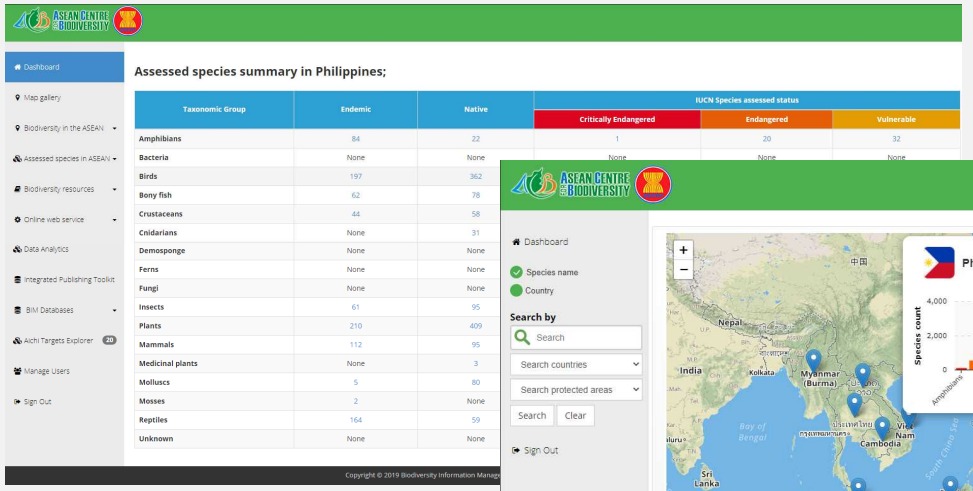
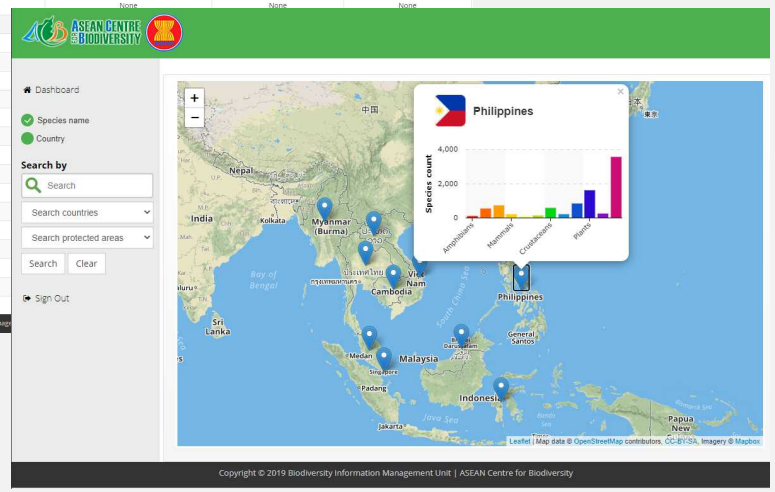

BIM Web service API
General information on how to use the REST API
The Biodiversity Information Management handles API request using Darwincore structure using pre defined paramters. The
cbelloran@aseanbiodiversity.org
Species by country
To get a list of species per country
A simple way to get data from the server by API code when querying using "CountryID" as parameter and a unique API TOKEN provided (request).
Note: Parameters for "CountryID" are "BN", "KH", "ID", "LA", "MY", "MM", "PH", "SG", "TH", "VN"
Run API
/bim_api/product/get_species.php?CountryID={CountryID}&API_TOKEN=?
Taxon group
To get a list of Taxonomic group
To get a list of species based on their Taxonomic group (TaxonomicGroup). Using "TaxonomicGroup" as parameter.
Note: Parameters are listed below for reference
Taxonomic group
Alga
Amphibians
Anthozoans
Aquatic plant
Arachnid
Arachnids
Archaea
Bacteria
Birds
Bryozoan


BIM Web service R Package
Data access using rBIM R package
BIM provides downloadable access in various databases using defined parameters. The mapper web service allows you to vis
reseracchers, policy makers, universities, NGO and non-government organizations.
Species occurrence per country
To get a list of species occurrence per country
A simple way to get data from the server and visualize using map using GBIF online mapper
Note: Parameters for &country = 'country=PH' # country code of Philippines
Generating species occurrence map per country
library(leaflet)
# need to define new projection. Only this projection will work with custom queries.
epsg4326 <- leafletCRS(crsclass = "L.CRS.EPSG4326", code = "EPSG:4326",
proj4def = "+proj=longlat +datum=WGS84 +no_defs",
resolutions = 2^(10:0),
origin =c(0,0)
)
# create the gbif-geyser style raster layer
projection <- '4326' # must use this projection code for custom maps
style <- 'style=gbif-geyser' # any style will work
tileRaster <- paste0('https://tile.gbif.org/',projection,'/omt/{z}/{x}/{y}@1x.png?',style)
# create the data layer with dragonfly data # Note the "adhoc"
prefix <- 'https://api.gbif.org/v2/map/occurrence/adhoc/{z}/{x}/{y}@1x.png?'
# make query
style <- 'style=classic.poly' # style of polygons
taxonKey = 'taxonKey=1' # taxon key of Odonata
country = 'country=PH' # country code of Philippines
tilePolygons = paste0(prefix,style,'&',taxonKey,'&',country)
# plot the map
leaflet(options = leafletOptions(crs = epsg4326)) %>%
setView(lng=121.6535728726402,lat=11.204269254887807,zoom=03) %>%
addTiles(urlTemplate=tileRaster) %>%
addTiles(urlTemplate=tilePolygons) %>%


Dashboard
Map gallery
Biodiversity in the ASEAN
Assessed species in ASEAN
Biodiversity resources
Online web service
Data Analytics
Integrated Publishing Toolkit
BIM Databases
Aichi Targets Explorer
Manage Users
Sign Out
Assessed species summary in Philippines;
Taxonomic Group
Endemic
Native
IUCN Species assessed status
Critically Endangered
Endangered
Vulnerable
Amphibians 84 22 1 20 32
Bacteria None None None None None
Birds 197 362
Bony fish 62 78
Crustaceans 44 58
Cnidarians None 31
Demosponge None None
Ferns None None
Fungi None None
Insects 61 95
Plants 210 409
Mammals 112 95
Medicinal plants None 3
Molluscs 5 80
Mosses 2 None
Reptiles 164 59
Unknown None None


Dashboard
Species name
Country
Search by
Search
Search countries
Search protected areas
Search
Clear
Sign Out
Philippines
Species count
4,000
2,000
0
Amphibians
Mammals
Crustaceans
Plants
Leaflet | Map data © OpenStreetMap contributors, CC-BY-SA, Imagery © Mapbox
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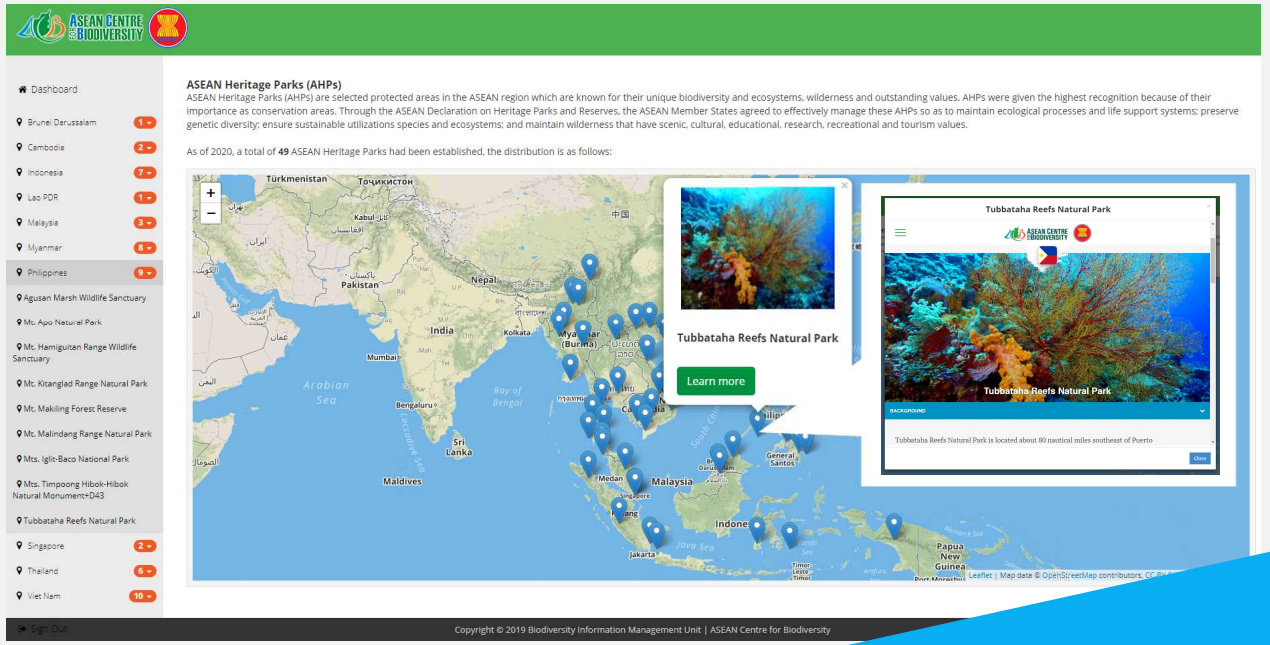
Dashboard
Brunei Darussalam 1
Cambodia 2
Indonesia 7
Lao PDR 1
Malaysia 3
Myanmar 8
Philippines 9
Agusan Marsh Wildlife Sanctuary
Mt. Apo Natural Park
Mt. Hamiguitan Range Wildlife Sanctuary
Mt. Kitanglad Range Natural Park
Mt. Makiling Forest Reserve
Mt. Malindang Range Natural Park
Mts. Iglit-Baco National Park
Mts. Timpoong Hibok-Hibok Natural Monument+D43
Tubbataha Reefs Natural Park
Singapore 2
Thailand 6
Viet Nam 10
Sign Out
ASEAN Heritage Parks (AHPs)
ASEAN Heritage Parks (AHPs) are selected protected areas in the ASEAN region which are known for their unique biodiversity and ecosystems, wilderness and outstanding values. AHPs were given the highest recognition because of their importance as conservation areas. Through the ASEAN Declaration on Heritage Parks and Reserves, the ASEAN Member States agreed to effectively manage these AHPs so as to maintain ecological processes and life support systems; preserve genetic diversity; ensure sustainable utilizations species and ecosystems; and maintain wilderness that have scenic, cultural, educational, research, recreational and tourism values.
As of 2020, a total of 49 ASEAN Heritage Parks had been established, the distribution is as follows:
Tubbataha Reefs Natural Park
Learn more
Tubbataha Reefs Natural Park
Tubbataha Reefs Natural Park is located about 80 nautical miles southeast of Puerto
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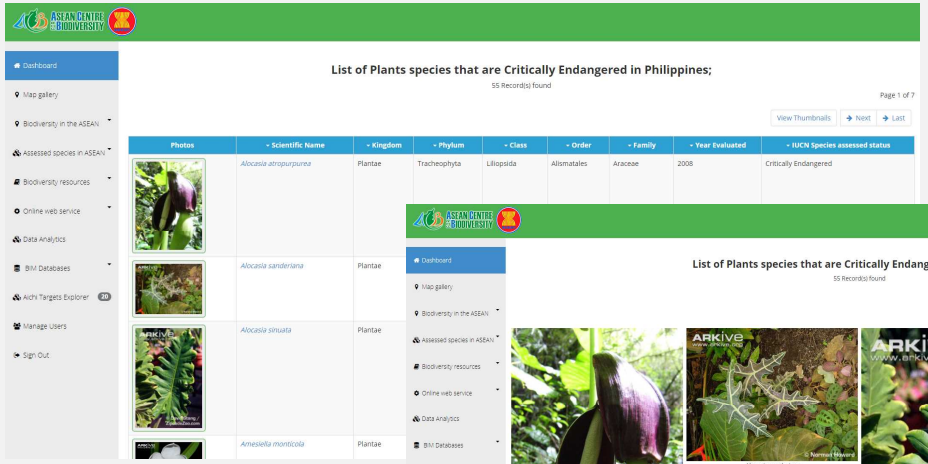
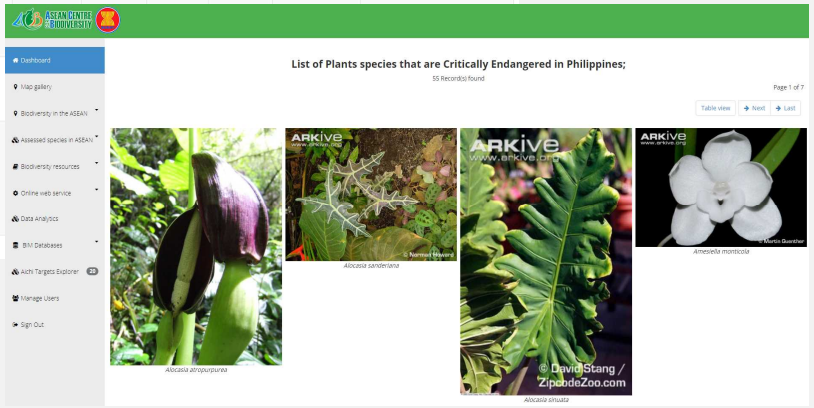
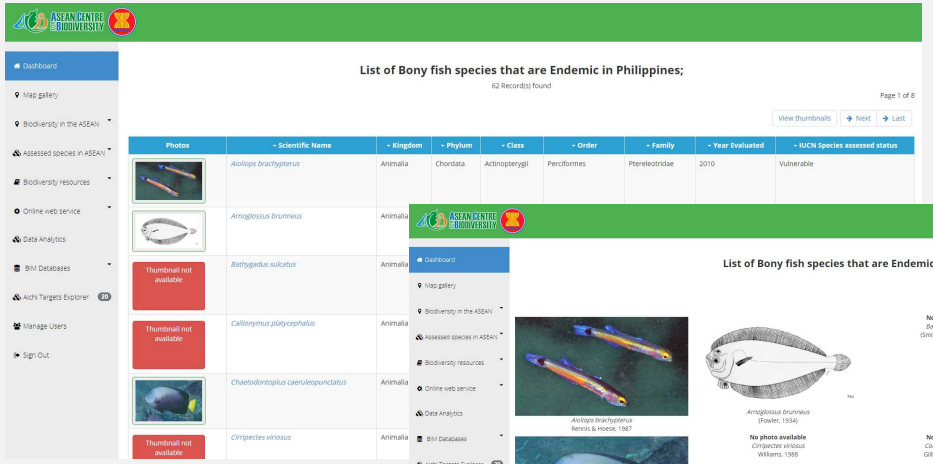
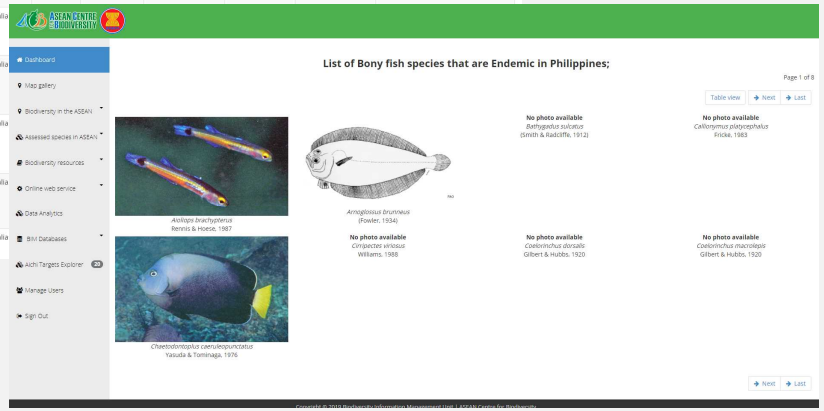
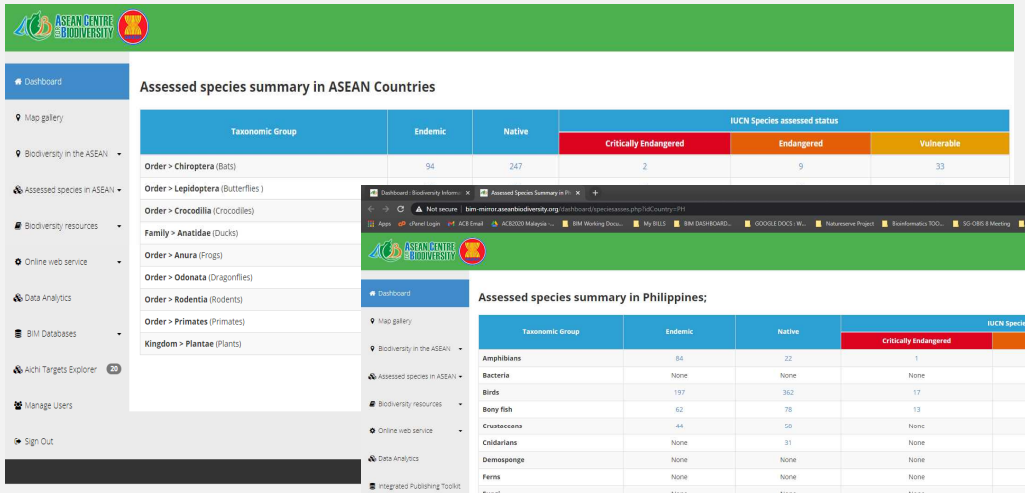
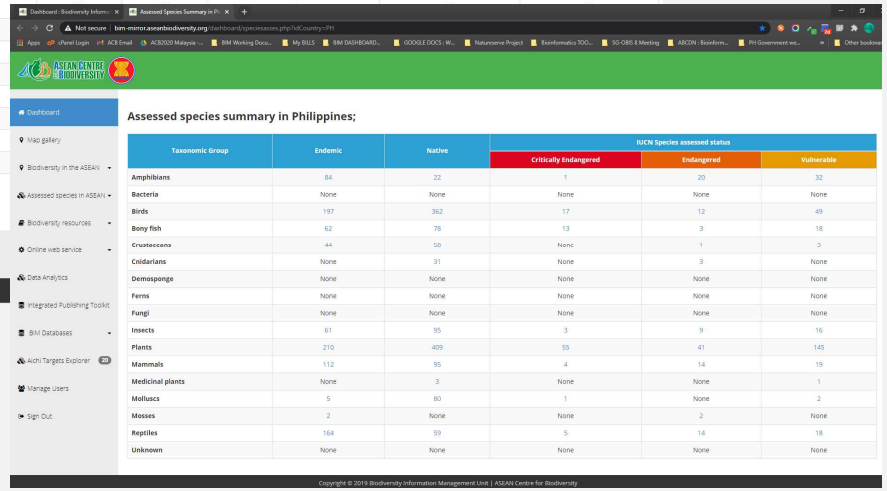

List of Plants species that are Critically Endangered in Philippines;
55 Record(s) found
Page 1 of 7
View Thumbnails
Next
Last
Photos
Scientific Name
Kingdom
Phylum
Class
Order
Family
Year Evaluated
IUCN Species assessed status
Alocasia atropurpurea
Plantae
Tracheophyta
Liliopsida
Alismatales
Araceae
2008
Critically Endangered
Alocasia sanderiana
Alocasia sinuata
Amesiella monticola


List of Plants species that are Critically Endangered in Philippines;
55 Record(s) found
Page 1 of 7
Table view
Next
Last
Alocasia atropurpurea
Alocasia sanderiana
Alocasia sinuata
Amesiella monticola


List of Bony fish species that are Endemic in Philippines;
62 Record(s) found
Page 1 of 8
View thumbnails
Next
Last
Photos
Scientific Name
Kingdom
Phylum
Class
Order
Family
Year Evaluated
IUCN Species assessed status
Aoilops brachypterus
Animalia
Chordata
Actinopterygii
Perciformes
Pereleotridae
2010
Vulnerable
Arnoglossus brunneus
Bathygadus sulcatus
Callionymus platycephalus
Chaetodontoplus caeruleopunctatus
Cirripectes viriosus
Thumbnail not available


List of Bony fish species that are Endemic in Philippines;
Page 1 of 8
Table view
Next
Last
Aoilops brachypterus
Rennis & Hoese, 1987
Arnoglossus brunneus
(Fowler, 1934)
No photo available
Bathygadus sulcatus
(Smith & Radcliffe, 1912)
No photo available
Callionymus platycephalus
Fricke, 1983
Chaetodontoplus caeruleopunctatus
Yasuda & Tominaga, 1976
No photo available
Cirripectes viriosus
Williams, 1988
No photo available
Coelorinchus divisalis
Gilbert & Hubbs, 1920
No photo available
Coelorinchus macrolepis
Gilbert & Hubbs, 1920


Assessed species summary in ASEAN Countries
Taxonomic Group
Endemic
Native
IUCN Species assessed status
Critically Endangered
Endangered
Vulnerable
Order > Chiroptera (Bats)
94
247
2
9
33
Order > Lepidoptera (Butterflies)
Order > Crocodilia (Crocodiles)
Family > Anatidae (Ducks)
Order > Anura (Frogs)
Order > Odonata (Dragonflies)
Order > Rodentia (Rodents)
Order > Primates (Primates)
Kingdom > Plantae (Plants)


Assessed species summary in Philippines;
Taxonomic Group
Endemic
Native
IUCN Species assessed status
Critically Endangered
Endangered
Vulnerable
Amphibians
84
22
1
20
32
Bacteria
None
None
None
None
None
Birds
197
362
17
12
49
Bony fish
62
78
13
3
18
Crustaceans
44
59
None
1
3
Cnidarians
None
31
None
3
None
Demospongs
None
None
None
None
None
Ferns
None
None
None
None
None
Fungi
None
None
None
None
None
Insects
61
95
3
9
16
Plants
210
409
55
41
145
Mammals
112
95
4
14
19
Medicinal plants
None
3
None
None
1
Molluscs
5
80
1
None
2
Mosses
2
None
None
2
None
Reptiles
164
59
5
14
18
Unknown
None
None
None
None
None
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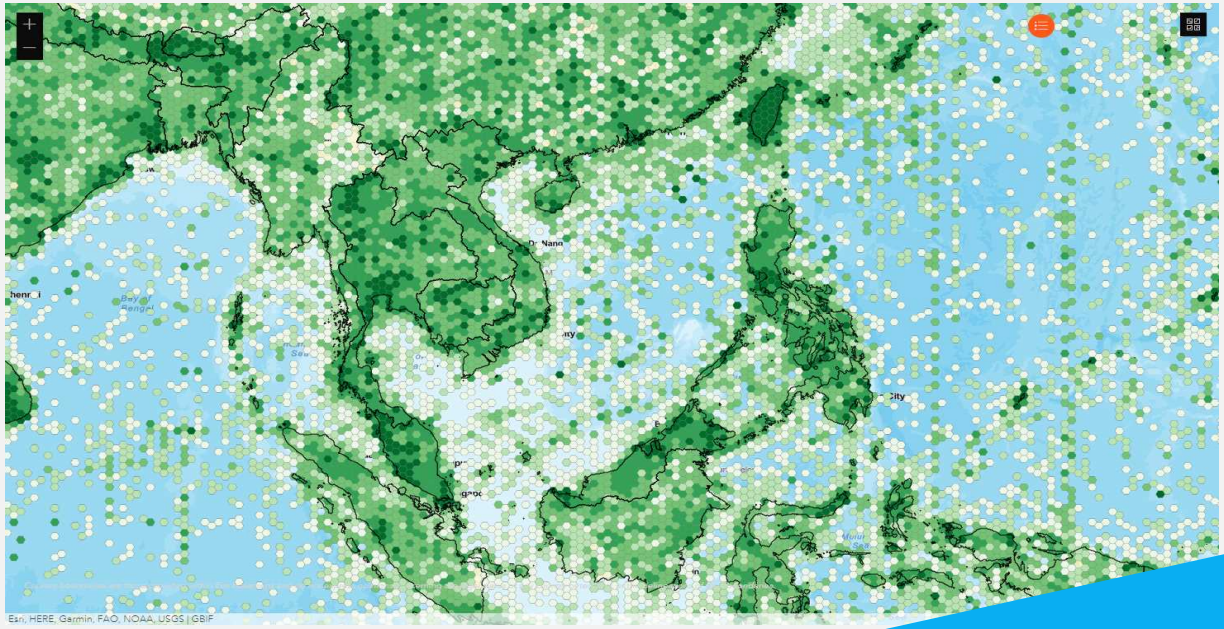
Esri, HERE, Garmin, FAO, NOAA, USGS | GBIF

Thank you!

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