



THE EAST ASIAN SEAS CONGRESS
2015

Global Targets **Local Benefits**

Setting the Sustainable Development Agenda
for the Seas of East Asia beyond 2015

16-21 November 2015 • Danang, Vietnam

The ASEAN Clearing House Mechanism

Sheila G Vergara
ASEAN Centre for Biodiversity



Global Targets Local Benefits

Setting the Sustainable Development Agenda for the Seas of East Asia beyond 2015

16-21 November 2015 • Danang, Vietnam



Issues Related to Biodiversity Information Management in the ASEAN Region

What people want

- A one stop shop
- Freely shared data and information, but with high integrity
- Tools in app form, for specific needs
- Summaries, synthesis, Up to date information
- Easy to understand

What is available

- Data in several formats, platforms and ownership
- Official information from National Reports, publications [journals, books, reports], news. Data still resides in personal holdings (analog and digital)
- Species identification apps focused on European and global data (ex. Lemurs of Madagascar)
- GBOs, GBIOs, National Reports, FB Posts, News, IUCN publications
- Videos, FB posts, map overlays

**What
people
want**

**ASEAN Clearing House
Mechanism**

Solutions

Outline: ASEAN CHM *Solutions*

- Interoperable formats / databases
- Publish official & available online and offline information
- Develop new apps, biodiversity management appropriate tools
- Thematic and informative videos
- Engage partnerships, data contributors
- Support National level CHMs: Set-up, Format, & Training
- Continuous update: ABO-2, AMS Progress towards the Aichi Targets ASEAN Clearing House Mechanism

Compatible databases

Web services & data providers

ACB Partners Community

ASEAN Member States

ASEAN Member States					
Kingdom	Phylum	Class	Order	Family	Genus



Thailand

Viet Nam

**Friends Of Biodiversity,
Academe and
Non-Government Organizations**

Kingdom	Phylum	Class	Order	Family	Genus
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Meta

format

[illegible]

▪ Interoperable Species and PA databases

Features	Species Database	PA Database
Interoperable format	DarwinCore 2 Archive	World Database on Protected Areas (WDPA)
Sources	<ul style="list-style-type: none">• Global Data holders (Fishbase, GBIF, COL, Sealifebase, IUCN Redlist, OBIS, etc.)• National reports of AMS• Academe (Target source in future)	<ul style="list-style-type: none">• Global Data Holder (Protected Planet)• National reports of AMS• Parks Managers• Digital Observatory for Protected Areas (DOPA)
Tools to for inter-operable encoding	<ul style="list-style-type: none">• Online and offline species remote data encoder	<ul style="list-style-type: none">• Online and offline PA remote data encoder

GBIF Integrated Publishing Toolkit (IPT Version 2.2.1-r5193)



GBIF.org

Free and open access to biodiversity data

[Data](#) [News](#) [Community](#) [About](#)



Asean Cer

A GBIF Associate Partic

Information

Summary

FULL TITLE

philippines_data

DESCRIPTION

[Philippines](#) species c

LANGUAGE OF METAD

ENGLISH

ADMINISTRATIVE CON

[Christian Elloran](#)

Database Specialist & Programmer at ASEAN Centre for Biodiversity (ACB)

ASEAN Centre for Biodiversity

3/F ERDB Building,
UPLB Forestry Campus,
Los Baños
4031 Laguna
Philippines



ASEAN CENTRE FOR BIODIVERSITY (IPT)

ASEAN CHM : free and open access to biodiversity data

[Home](#)

[Manage Resources](#)

[Administration](#)

Hosted resources available through this

Logo	Name	Organisation
	asean_fish_occurrences_literature	Not registered
	ina_bif	Not registered
	plants_species_mcme_uplb	ASEAN Centre for Biodiversity (ACB)

Showing 1 to 3 of 3 resources

The most recently updated resources are also available as an

IPT Version 2.2.1-r5193 [About this version](#)

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NODE MANAGER

[Sheila Vergara](#)

BIM Director

ASEAN Centre for Biodiversity
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3/F ERDB Building,
UPLB Forestry Campus

Logged in as [cbelloran@aseanbiodiversity.org](#) [Account](#) [Logout](#) [ENGLISH](#)



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[plants_species_mcme_uplb](#)

Latest version published by ASEAN Centre for Biodiversity (ACB) on Aug 25, 2015

Plants species collection of Makiling Center for Mountain Ecosystems - University of the Philippines

GBIF

DwC-A

EML

RTF

Versions

Rights

Summary

Downloads

Versions

Rights

GBIF Registration

Keywords

Contacts

Geographic Coverage

Additional Metadata

Downloads

Download the latest version of the resource data as a Darwin Core Archive (DwC-A) or the resource metadata as EML or RTF:

Data as a DwC-A file

Metadata as an EML file

Metadata as an RTF file

[download](#) 0 records in English (17 KB) - Update frequency: biannually

[download](#) in English (0 bytes)

[download](#) in English (0 bytes)

Versions

The table below shows all published versions of the resource, because you have access rights.

Version	Published on	Records	Change summary	DOI handle	Last modified by
---------	--------------	---------	----------------	------------	------------------

[Main Menu](#)

Geographic Collection

Taxon ID

Scientific Name

Country

State Province

County

Locality Name

Locality Longitude

Locality Latitude

Longitude

e.g. 125.29053642

Start Longitude

End Longitude

Latitude

e.g. 6.94225571

Start Latitude

End Latitude

Coordinate Precision

Start/End Coordinate Precision

Bounding Box

Minimum Elevation

Maximum Elevation

Minimum Depth

Maximum Depth

Depth Range

e.g. 0 - 9999

Record 1 of 1



First



Prev



Next



Last



Save



Add



Delete



Cancel



Spreadsheet Mode



- Publish official and online available information

Assessed Species Summary in Philippines

Taxonomic Group	Endemic	Native	Threatened		
			Critically Endangered	Endangered	Vulnerable
Fish	221	2977	22	10	61
Mammals	109	94	3	12	21
Birds	195	351	15	12	47
Reptiles	165	61	5	15	19
Amphibians	80	21	1	15	32
Insects	58	95	3	9	16
Crustaceans	44	58	0	1	3
Molluscs	5	80	1	0	2
Plants	186	415	56	37	129

Potentially Invasive Species
from the ASEAN Region
Total records = 183

TAXONOMIC TREE

- [-] Animalia
 - [-] Phylum Arthropoda
 - [-] Phylum Bryozoa
 - [-] Phylum Chordata
 - [-] Class Actinopterygii
 - [-] Order Cypriniformes
 - [-] Family Cobitidae
 - [-] Family Cyprinidae
 - [-] Genus Carassius
 - [-] Genus Ctenopharyngodon
 - [-] Genus Cyprinus
 - Cyprinus carpio
 - [-] Genus Hypophthalmichthys
 - [-] Genus Tinca
 - [-] Order Cyprinodontiformes
 - [-] Family Poeciliidae
 - [-] Genus Gambusia
 - Gambusia affinis
 - [-] Genus Poecilia
 - Poecilia reticulata
 - [-] Order Perciformes
 - [-] Order Salmoniformes
 - [-] Order Siluriformes
 - [-] Class Amphibia
 - [-] Class Aves
 - [-] Order Anseriformes
 - [-] Order Ciconiiformes
 - [-] Order Columbiformes
 - [-] Order Passeriformes
 - [-] Family Corvidae
 - [-] Genus Corvus
 - Corvus splendens
 - [-] Family Passeridae
 - [-] Family Pycnonotidae
 - [-] Family Sturnidae
 - [-] Family Zosteropidae
 - [-] Order Psittaciformes
 - [-] Class Mammalia
 - [-] Class Reptilia
 - [-] Phylum Cnidaria
 - [-] Phylum Echinodermata
 - [-] Phylum Mollusca
 - [-] Phylum Platyhelminthes
 - [-] Phylum Porifera

Cyprinus carpio

Description Record Level Growth Parameters Collecting Event Common Names Synonyms



Catalogue of Life Taxonomic Tree

Animalia
└ Chordata
└ Actinopterygii
└ Cypriniformes
└ Cyprinidae
└ Cyprinus

Species 2000
Cat
Cyprinus carpio
Search

Genus	Cyprinus
Species	carpio
Taxonomic Group	Fishes

DESCRIPTION

Description	The introduction of fish as a source of protein for human consumption in subtropical lake systems is continuing apace. The common carp has been cultured for 2500 years and is also a popular angling and most frequently introduced species in the world. Its method of sediments on the bottom of the water and uproots macrophyte ecosystem engineer that altering habitats for native fish and of
Environment	Benthopelagic; potamodromous; Freshwater; Brackish; Marine
Climate / Range	/
Distribution	Common carp originated in Europe in rivers around the Black especially the Danube (Berra 2001, in Tekin-zan, Kir & Bartas influence the common carp was found in the Black, Caspian a
Habitat	estuarine habitats, lakes, water courses, wetlands
Vulnerability	(0 of 100) (0 of 100)

IUCN THREAT STATUS

NATIONAL THREAT STATUS

INTERNET SOURCES



Potentially Invasive Species
from the ASEAN Region
Total records = 183

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 - [-] Class Reptilia
 - [-] Phylum Cnidaria

Cyprinus carpio

Description Record Level Growth Parameters Collecting Event Common Names Synonyms Locality Images Maps

IMAGES



picture (Cycar Ug.jpg) by Sch??r, G.



picture (Cycar_u7.jpg) by Zienert, S.



picture (Cycar_u3.jpg) by McDowall, R.M.



picture (Cycar_u6.jpg) by Lorenzoni, M.



picture (Cycar_uc.jpg) by JJPhoto



picture (Cycar_ue.jpg) by Sch??r, G.



picture (Cycar_ua.jpg) by Lovshin, L.



picture (Cycar_u0.jpg) by Shao, K.T.



picture (Cycar_u9.jpg) by Lovshin, L.



picture (Cycar_u5.jpg) by McDowall, R.M.



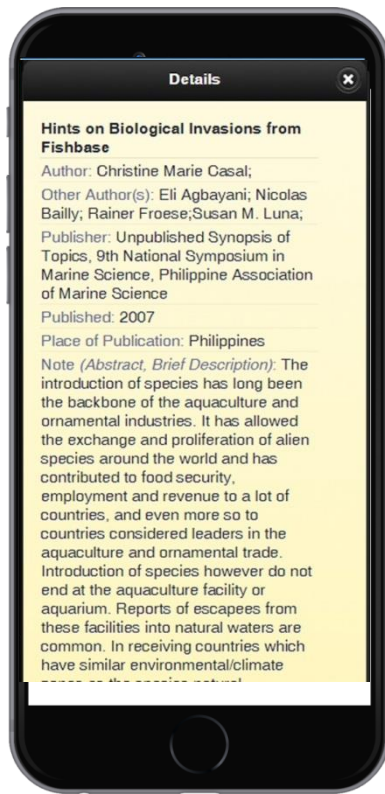
picture (Cycar_ud.jpg) by JJPhoto



picture (Cycar_j0.jpg) by Shao, K.T.

- Develop new apps, biodiversity management appropriate tools

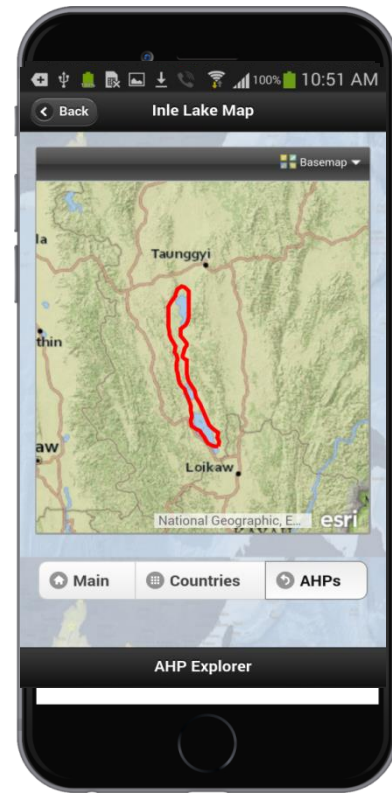
E-Library



The E-Library holds copies of more than 11,000 references (journals, researches and articles) in various conservation and biodiversity related topics

The AHP App is a pocket reference version of the AHP book that ACB has published. It displays live and interactive maps of the ASEAN Heritage Parks.

ASEAN Heritage Parks



Tool Collaboration with FishBase: Length at First Maturity

POSTER GENERATOR Length

Poster Orientation:

☐ Portrait
 ☐ Landscape

Poster Size:

--Select Poster Size--

Poster Color:

Poster Title

Select Preset Titles:

--Select Title--

Font Type:

--Font--

Font Color:

Font Size:

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B

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Fish Panel

--Select Country--

POSTER GENERATOR Length at First M

Poster Orientation:

☐ Portrait
 ☐ Landscape

Poster Size:

--Select Poster Size--

Poster Color:

Poster Title

Select Preset Titles:

--Select Title--

Font Type:

--Font--

Font Color:

Font Size:

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B

I

U

Fish Panel

Philippines

--Select Locality--

6 results.

Indian scad, Philippines

Decapterus russelli

11cm

Mangrove red snapper, concrete tanks

Lutjanus argentimaculatus

49.6cm

No Image Available

Wildfish, Paray Island

Chanos chanos

65cm

Skipjack tuna, Bohol Sea

Katsuwonus pelamis

43.1cm

No Image Available

Striped snailhead, Philippines

Channa asiatica

25cm

No Image Available

Tiger tail seahorse, central waters

Hippocampus comes

9.1cm

Double-click here

POSTER GENERATOR Length at First Maturity

Poster Orientation:

☐ Portrait
 ☐ Landscape

Poster Size:

A1 (59.4 X 84.1)

Poster Color:

Poster Title

Select Preset Titles:

Don't eat babies!

Font Type:

Arial

Font Color:

Font Size:

72

B

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Fish Panel

Philippines

--Select Locality--

6 results.

Indian scad, Philippines

Decapterus russelli

11cm

Mangrove red snapper, concrete tanks

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49.6 cm

Skipjack tuna

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43.1 cm

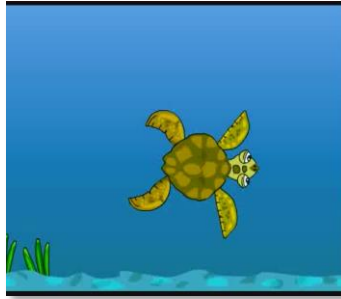
Indian scad

Decapterus russelli

11 cm

■ Thematic and informative videos

Coastal and Marine



Endangered Species



ASEAN CHM



Invasive Alien Species



How the ASEAN is faring



■ Engage partnerships, DB structures & data contributors

- FIN (FishBase, SeaLifeBase), 2010
- OBIS (SEAOBIS), 2014
- GBIF (Southeast Asia Node), 2009
- ABCDNET, 2013
- GEOBON
- APBON
- Birdlife
- EAAF
- Natureserve
- UNEP-WCMC
- IUCN
- WDPA



- Continuous update: ABO-2, AMS Progress towards the Aichi Targets ASEAN Clearing House Mechanism



Status of AMS Progress vis-à-vis the Aichi Targets



AMS understand the necessary actions towards achievement of this target, nationally guided activities have been mobilized and positive impacts have registered in the 5th national reports



AMS understand the necessary actions towards achievement of this target and initiatives have been mobilized



This target does not appear as a priority issue and little or no action has been done. The issue may have been realized and initiatives mobilized but action is not nationally orchestrated and fragmented thus no positive impacts are evident.





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

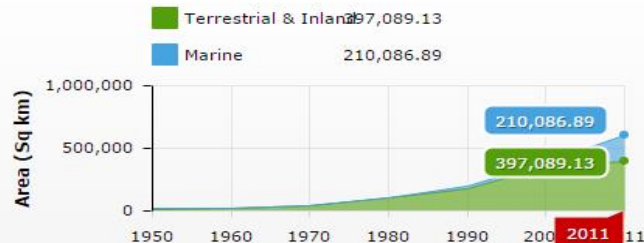
Graphs and Trends

Map Overlays

Special Reports

Moving Towards the Aichi Targets

Growth in extent of protected areas, ASEAN, 1950-2011



THANK YOU



chm.aseanbiodiversity.org