



# ACB Data Partnerships

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Presented by Sheila G. Vergara  
WG2: Asia Pacific Biodiversity Observation Network (APBON),  
Session 4. Building / Connecting databases  
Data and Knowledge sharing with and  
delivering to the communities

# Outline

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- ACB's role in the ASEAN Region
- ACB's Biodiversity Data Communities
- ACB's Data & Information Management Partnerships
- ACB and GBIF
  - Collaboration
  - Project implementation
- Partnership outcomes

# ACB's role in the ASEAN Region

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- Facilitates cooperation and coordination among the members of the ASEAN, and
- With relevant national governments, regional and international organizations, on the conservation and sustainable use of biological diversity and the fair and equitable sharing of benefits arising from the use of such biodiversity in the ASEAN region

# ACB's role in the ASEAN Region

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- Enhance the region's digital biodiversity knowledge capacity by establishing links to networks of knowledge holders
- Assist AMS in fulfilling national, regional and international commitments and reporting to biodiversity related conventions

# ACB's Biodiversity Data Communities

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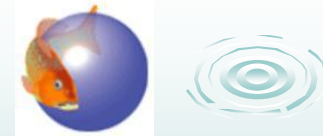
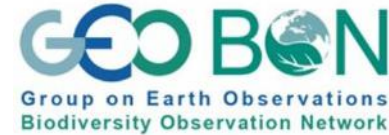
- Clearing House Mechanism
  - Managers
  - Contributors
    - Academe
    - Government
    - NGOs
- Protected Areas
  - Managers
  - Stakeholders
- Policy Makers
- Media

# ACB's Biodiversity Data Communities



# ACB's Data & Information Management Partnerships

- CBD
- IUCN
- UNEP WCMC
- ABCDNet
- OBIS
- APBON / GEOBON
- GBIF
- Birdlife International
- FishBase
- NatureServe



# ACB and GBIF

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- **Asian Nodes Regional Workshop of the GBIF, Ivy Hall, Aoyama, Tokyo, March 1 –2 , 2012**
  - **ACB as Asia Node representative 2012 – 2014**
  - **Identified gaps in GBIF representation in Asia, means to move forward through better understanding of GBIF, incentive for data mobilization, increased data use, strengthen regional nodes**
  
- **Third Regional Meeting of the GBIF Participant Nodes in Asia was held on 28 – 30 June 2012, in Taipei, Taiwan.**
  - **Asia Regional Plan of Action**
    - **Making species checklists at national level, including invasive, Red List, endemic species and migratory birds; and**
    - **Updating fish databases to assess fish biodiversity loss and risk in Asia.**



# ACB and GBIF

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- **Workshop on integrated Red List/Invasive Species List / Check List in East Asia, National Museum of Nature and Science, Tsukuba, Ibaraki, Japan, 12 – 13 March, 2013**
  - **Promote understanding of the importance of the Red List (RL), Invasive Species List (IL) and Check List (CL)**
  - **Survey current status of RL/IL/CL in East Asia**
  - **Determine strategy for integration of RL/IL/CL in East Asia**
  - **Data collected from ASEAN countries can be a) published through ACB's IPT, b) set up an IPT for each country, and c) each country to be assisted to publish a RedList and IAS for their country.**



# ACB and GBIF

- **7<sup>th</sup> GBIF Asia Nodes Meeting**  
**28 – 30 June 2016, Tagaytay, Philippines B2B with GBIF Philippines Training**
  - **Asia Nodes to update the team on work progress related to the Asia Regional Strategy,**
  - **the status of implementation of Biodiversity Information Fund for Asia (BIFA) projects, and**
  - **vote on the next set of Asia representatives**
- **2016 GBIF Asia Biodiversity Informatics Workshop,**  
**Biodiversity Research Center, Academia Sinica,**  
**Nankang, Taipei, Taiwan**
  - **promote biodiversity open data and the development of biodiversity informatics in Asia**

# ACB and GBIF

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## **Mobilizing biodiversity data from ASEAN Protected Areas Funded through the Biodiversity Information Fund for Asia in the amount of Euro 35,595**

- **to facilitate the organization of species data from ASEAN Heritage Parks (AHPs) into globally accepted formats**
- **expose ASEAN Park Managers and staff of on the use of camera traps and the processing of information gathered from this method**
- **orient ASEAN Park Managers and staff on the publication of species information with the use of species encoding and publication tools developed by ACB and GBIF**



**Hands on data  
encoding,  
harvesting,  
processing &  
mapping**

**Camera Trap  
Deployment at Mt.  
Makiling Forest  
Reserve**



**Processing data  
from images  
collected**

# Biodiversity Information Management Unit

## Hosting *Integrated Publishing Toolkit* ver.2.0.3

ASEAN Centre  
for Biodiversity :  
Biodiversity Information  
Management Unit

free and open access to biodiversity data  
GBIF INTEGRATED PUBLISHING TOOLKIT (IPT)

Home Manage Resources Administration About

List of plant names: **Huai Kaeo Arboretum, Chiangmai**

List of plant names: Huai Kaeo Arboretum, Chiangmai

Summary

Resource Language	tha
Last Publication	Version 13 from Feb 27, 2012
Darwin Core Archive	<a href="#">download</a> (6 KB) 202 records
EML	<a href="#">download</a> (4 KB)
RTF	<a href="#">download</a> (5 KB)

External Links

Resource Homepage <http://web3.dnp.go.th/botani/index.aspx>

Resource Contact

Name	Rachun Pooma
Organisation	Department of National Parks, Wildlife and Plant Conservation
Address	61 Phrahojotin Road, Ladysao Chatusok, Bangkok, TH, Postal Code: 10900
Contact	<a href="mailto:rpooma@dnp.go.th">rpooma@dnp.go.th</a>
Home Page	<a href="http://www.dnp.go.th/index_eng.asp">http://www.dnp.go.th/index_eng.asp</a>

Resource Creator

Name	Rachun Pooma
Organisation	Department of National Parks, Wildlife and Plant Conservation
Address	61 Phrahojotin Road, Ladysao Chatusok, Bangkok, TH, Postal Code: 10900
Contact	<a href="mailto:rpooma@dnp.go.th">rpooma@dnp.go.th</a>
Home Page	<a href="http://www.dnp.go.th/index_eng.asp">http://www.dnp.go.th/index_eng.asp</a>

Metadata Provider

Name	David Remsen
Position	Senior Programme Officer for the Electronic Catalogue of Names of Known Organisms (ECAT)
Organisation	GBIF
Address	Universitetsparken 15, Copenhagen, Unversitetsparken 15, DK, Postal Code: 2100
Contact	<a href="mailto:dremsen@gbif.org">dremsen@gbif.org</a> Telephone: +45 35 32 14 72
Home Page	<a href="http://www.gbif.org/">http://www.gbif.org/</a>

Geographic Coverage

Description Thailand

Bounding Coordinates -90, 90 / -180, 180 (min,max:Latitude / min,max:Longitude)

Alternative Identifiers 5

Additional Metadata

Hierarchy Level	dataset
Date Published	0014-01-28

Technical  
Installation

Hosting IPT /  
BIM server



Publishes

AMS  
Datasets



dwca-res5

free and open access to biodiversity data  
GBIF INTEGRATED PUBLISHING TOOLKIT (IPT)

Home Manage Resources Administration About

Hosted resources available through this IPT

Public resources available through this IPT installation.

Logo Name	Organisation	Type	Subtype	Records	Last modified	Last publication
<a href="#">List of plant names: Huai Kaeo Arboretum, Chiangmai</a>	Not registered	Checklist	---	202	2012-02-27	2012-02-27

The most recently updated resources are also available as an [RSS feed](#).

Version 2.0.3-3672 [About the IPT Project](#) [User Manual](#) [Report a bug](#) [Request new feature](#) © 2011 GBIF

# Orientation workshop on Mobilizing Biodiversity Data from ASEAN Protected Areas



**24** AHP Managers/ Technical Staff, **18** AHPs, **8** AMS, **4** Partner Experts Taiwan & Norway, **7** ACB Staff

# Future Needs Identified

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Needs	Activities
<b>Capacity Building</b>	Database management
	Camera trap orientation
	Mapping
	Database / Technical Officers
	Training for data partners
<b>Funds</b>	To conduct surveys
	Procurement of equipment
	Internet access
<b>Commitments</b>	Willingness to share data in open source


# Next Steps

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- **Increase coverage of training to the rest of the AHPs**
- **Involve other data partners at the National Level**
  - **Museums**
  - **Other departments / ministries**
  - **LGUs**
  - **NGOs (local and International)**
- **Potential Outputs / Products**
  - **Management plan**
  - **Increase in tourism / park visitors**
  - **GIS data**
  - **Improve education on Parks / PAs**
  - **Improve conservation**



# Data Publication through GBIF's Integrated Publishing Toolkit





**ASEAN CENTRE FOR BIODIVERSITY (IPT)**  
 Biodiversity Information Management

Logged in as [cbelloran@aseanbiodiversity.org](#)
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### Hosted resources available through this IPT

Filter:

Logo	Name	Organisation	Type	Subtype	Records	Last modified	Last publication	Next publication
---	<a href="#">Camiguin, Philippines Fauna</a>	ASEAN Centre for Biodiversity (ACB)	Occurrence	--	18	2016-07-13	2016-07-13 13:46:32	2017-07-13 13:46:32
---	<a href="#">Fauna for Borneo</a>	ASEAN Centre for Biodiversity (ACB)	Checklist	--	55	2016-07-13	2016-07-13	2017-01-11 13:50:18
---	<a href="#">Flora of Agusan Marsh</a>	ASEAN Centre for Biodiversity (ACB)	Checklist	--	23	2016-07-18	2016-07-18	2017-07-18 15:29:46
---	<a href="#">ICCEM CLSU-RSA Pantabangan Fauna</a>	ASEAN Centre for Biodiversity (ACB)	Checklist	--	43	2016-07-18	2016-07-18	2017-07-18 15:33:07
---	<a href="#">IPAS Kitanglad</a>	ASEAN Centre for Biodiversity (ACB)	Occurrence	--	186	2016-07-13	2016-07-13	2017-07-13 13:19:34
	<a href="#">MCME UPLB Museum Plant Collection</a>	ASEAN Centre for Biodiversity (ACB)	Checklist	--	268	2016-07-11	2016-07-11	2017-01-09 12:51:54
---	<a href="#">MMER Zingiberaceae Botanical</a>	ASEAN Centre for Biodiversity (ACB)	Occurrence	--	109	2016-07-13	2016-07-13	2017-07-13 13:36:00
	<a href="#">Mt. Hamiguitan RWS Avifauna</a>	ASEAN Centre for Biodiversity (ACB)	Checklist	--	102	2016-07-13	2016-07-13	2017-07-13 13:08:52
---	<a href="#">Negros Cave Frog Observation</a>	ASEAN Centre for Biodiversity (ACB)	Occurrence	--	6	2016-07-18	2016-07-18	2017-07-18 15:37:00
---	<a href="#">Philippines Museum Collections</a>	ASEAN Centre for Biodiversity (ACB)	Occurrence	--	20	2016-07-18	2016-07-18	2017-07-18 15:42:58
---	<a href="#">Tawi Tawi, Philippines Reef Fishes</a>	ASEAN Centre for Biodiversity (ACB)	Checklist	--	135	2016-07-18	2016-07-18	2017-07-18 15:39:45

Showing 1 to 11 of 11 ◀ previous next ▶

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IPT Version 2.3.2-rea67259
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# Partnership Outcomes

Biodiversity Information Sharing Service (ASEAN Clearing House Mechanism)

Site search...

HOME | ACB | ASEAN HERITAGE PARKS | ABOUT US | CONTACT US | SITE MAP | Like 95 | Share

2017 GBIF Asia Regional Meeting

2017 GBIF Asia Regional Meeting This event will combine the 8th meeting of the GBIF Asia node...

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

Year	Aquaculture (Tonnes)	Capture (Tonnes)	Total (Tonnes)
1950	0	0	0
1970	0	~2,000,000	~2,000,000
1990	~5,000,000	~10,000,000	~15,000,000
2010	~15,000,000	~20,000,000	~35,000,000
2015	~20,000,000	~20,000,000	~40,000,000

ASEAN CENTRE FOR BIODIVERSITY  
 3F ERDB Building Forestry Campus, College, Laguna, Philippines 4031  
 Telefax: +63.49.5362865 | E-mail: contact.us@aseanbiodiversity.org

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# Engaging ACB in partnerships

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- Formal, through agreements, eg. Memorandums of Cooperation
- Informally through parallel work programs and
- Data sharing

# Thank You!

