



ACB support through Biodiversity Information Management

BIM

DATABASES AND TOOLS



BIM Thrusts and Deliverables

- Enhance **structure** and presentation of interactive web-based information on biodiversity resources in the ASEAN
- Sustain data and information harmonization on biodiversity resources through increased data **content** in BIM holdings
- Enhance **geo-spatial biodiversity information** sharing service through knowledge sharing and information repatriation
- **Bridge information** from countries and institutions thereby generating data on biodiversity through improved information management

Species Database Structures

□ Species Database

- Offline and Online Species Encoding Interfaces
- http://chm.aseanbiodiversity.org/index.php?option=com_content&view=article&id=159&Itemid=159
- user-friendly tools developed to facilitate digitization and transformation of species information into the Darwin Core 2 structure
- Total species encoded to date: 20561

The screenshot shows the 'SPECIES ENCODER FORM' interface. At the top, it says 'ASEAN Centre for Biodiversity Biodiversity Information Sharing Service'. Below this, there are input fields for 'Taxon ID' (value: 2), 'Country Code' (value: TL), and 'Continent Ocean' (value: Asia). There are 'Search' and 'Main Menu' buttons. Below these fields, there are tabs for 'Classifications', 'Taxon', 'Record Level', 'Growth Parameters', 'Collecting Event', 'Common Names', 'Synonyms', 'Locality', and 'Images'. The 'Classifications' tab is active, showing dropdown menus for 'Class' (Bacteroidetes), 'Order' (Bacteroidales), and 'Family' (Prevotellaceae). A red box with the word 'Offline' is overlaid on the form. At the bottom, there are navigation buttons: 'First', 'Prev', 'Next', 'Last', 'Save', 'Add', 'Delete', 'Cancel', and 'Spreadsheet Mode'. A footer note says 'Biodiversity Information Sharing Service: Species Encoder BETA Ver. 4.2'.

The screenshot shows the 'Species Encoder' interface. At the top, it says 'ASEAN CENTRE FOR BIODIVERSITY'. Below this, there is a navigation bar with links: 'Hello, Res Anne Raffada', 'Species List', 'Generate Reports', 'Advanced Search', 'Vocabularies', 'Users', and 'Logout'. Below the navigation bar, there are tabs for 'Country', 'Taxon', 'Record Level', 'Growth Parameters', 'Collecting Event', 'Common Names', 'Synonyms', 'Locality', and 'Images'. The 'Country' tab is active, showing a table with taxonomic information. A red box with the word 'Online' is overlaid on the form. The table has columns for 'Kingdom', 'Phylum', 'Class', 'Order', and 'Family'. The values are: Kingdom: Animalia, Phylum: Porifera, Class: Demospongiae, Order: Madromorpha, and Family: (empty).

Usefulness in the 5th NR

Taxa	Number of Species	Number of Threatened Species
<i>Vertebrates</i>		
Amphibians	694	133
Birds	2213	198
Fishes	6019	207
Mammals	1109	267
Reptiles	285	30
<i>Invertebrates</i>		
Coelenterates	787	85
Crustaceans	1491	6
Insects	887	5
Molluscs	2068	1
Plants	5008	1094
TOTAL (encoded)	20561	2026

Other Summaries

Threatened
Species By
Country

Collected Species
over the years

1989-2013

1994-2013



Brunei Darussalam Clearing House Mechanism for Biodiversity



Main Menu

- Home
- About Brunei CHM
- Biodiversity in Brunei
- Conservation Areas
- CBD National Implementation
- News Center
- Publications
- Photo Gallery
- Important Links
- Brunei CHM Site Map
- Site Map

Species and PA Encoder

- Species Encoder Interface
- Protected Areas Encoder Interface

CURRENT INVENTORY OF SPECIES IN BRUNEI

Current Inventory of Species in Brunei Darussalam

Taxa	Number of Species	Number of Threatened Species
<i>Vertebrates</i>		
Amphibians	57	4
Birds	421	24
Fishes	360	5
Mammals	148	38
Reptiles	71	9
<i>Invertebrates</i>		
Coelenterates	214	77
Crustaceans	66	0
Insects	134	1
Molluscs	313	0
<i>Plants</i>		
Plants	241	100
TOTAL	2025	258

Usefulness in the 5th NR

Auto summaries for Species Threats

Taxa	Critically Endangered	Endangered	Vulnerable	Total Threatened
<i>Vertebrates</i>				
Amphibians	7	<u>36</u>	<u>90</u>	<u>133</u>
Birds	30	<u>43</u>	<u>125</u>	<u>198</u>
Fishes	37	<u>25</u>	<u>145</u>	<u>207</u>
Mammals	32	<u>97</u>	<u>138</u>	<u>267</u>
Reptiles	6	<u>12</u>	<u>12</u>	<u>30</u>
<i>Invertebrates</i>				
Coelenterates	0	<u>4</u>	<u>81</u>	<u>85</u>
Crustaceans	0	<u>2</u>	<u>4</u>	<u>6</u>
Insects	<u>1</u>	<u>1</u>	<u>3</u>	<u>5</u>
Molluscs	0	<u>1</u>	0	<u>1</u>
<i>Plants</i>				
Plants	<u>279</u>	<u>177</u>	<u>638</u>	<u>1094</u>
TOTAL	392	398	1236	2026

Usefulness in the 5th NR

Assessed Species Summary in (Philippines)

Taxonomic Group	Endemic	Native	Threatened		
			Critically Endangered	Endangered	Vulnerable
Fish	221	2977	22	10	61
Mammals	111	95	4	13	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

Usefulness in the ABO_2, GBO4



Username :

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Reset

[Species List](#) | [Summary Reports](#) | [Advanced Search](#)

Current Inventory of
Species

Threatened Species

Threatened Species By
Country

Collected Species over
the years

Integrated Redlist

Taxa (Species Group)	Brunei Darussalam	Cambodia	Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
Vertebrates										
Amphibians	4	3	33	5	47	0	48	0	4	16
Birds	24	25	122	23	44	43	74	14	45	43
Fishes	5	31	97	30	16	29	34	2	14	24
Mammals	38	36	183	44	69	45	38	11	56	55
Reptiles	9	19	31	16	28	28	39	5	27	43
Invertebrates										
Coelenterates	77	9	67	0	1	1	7	0	0	85
Crustaceans	0	0	15	3	32	2	4	3	19	4
Insects	1	0	39	2	5	1	28	2	7	6
Molluscs	0	1	6	16	32	3	3	0	14	17
Plants										
Plants	100	33	393	31	689	67	222	55	126	177
TOTAL THREATENED (CR+FN+VII)	258	157	986	170	963	219	497	92	312	470

*Summary data is based from Species records encoded in this database.

Back

Protected Areas Database Structure

ASEAN Centre for Biodiversity
Biodiversity Information Sharing Service

NATIONAL PROTECTED AREA ENCODER FORM

ID NPA: 1 Country Code: BN Add Map Image Search Main Menu

National Protected Area Collections Protected Area Maps

WDPA ID: 3843 IUCN Category: Ia
WDPA PID: 28627 Total Area: 866.38571396
Country: Brunei Darussalam Marine Area: 0
Locality: Marine: Yes
NPA Name: [Redacted] NPA Type: [Redacted]
Original NPA Name: [Redacted]
Longitude: [Redacted]
Latitude: 4.63688086
International Criteria: [Redacted] Biodiversity Value: [Redacted]
National Designation: Forest Reserve Threats: [Redacted]
Local Designation: Local designation not known Mgmt. Authority: [Redacted]
Status: Designated Mgmt. Plan: [Redacted]
Status Year: 1940 Legislation: [Redacted]

Note: * Required fields

Record 1 of 1520

First Prev Next Last Save Add Delete Cancel Spreadsheet Mode

Biodiversity Information Sharing Service: PA Encoder BETA Ver. 4.1

Offline

ASEAN CENTRE FOR BIODIVERSITY

Hello, Rea Anne Protected Areas List Generate Reports Advanced Search Vocabularies Users Logout

Edit Record: Abasig - Matogdon - Mananap

Protected Area Details Protected Area Designations Protected Area Legislations Protected Area Map

NPA Name: Abasig - Matogdon - Mananap
Local NPA Name: Local name not known Total Area: 4211.76
WDPA ID: 3843
Country: [Redacted]
Locality: [Redacted]
Longitude: [Redacted]
Latitude: [Redacted]
International Recognition: [Redacted] Management Authority: [Redacted]
IUCN Category: VI - Protected Area with special significance Management Plan: [Redacted]
Local Designation: Local designation not known
Status: Designated Description: Area taken from 2005 source.
Status Year: 1991

Save Reset Back

ASEAN Centre for Biodiversity
Telephone: +63-49-3362863 | E-mail: contactus@aseanbiodiversity.org
Biodiversity Information Sharing Service
Protected Areas Encoder © 2011

Online

- Offline and Online Protected Areas Encoding Interfaces
- http://chm.aseanbiodiversity.org/index.php?option=com_content&view=article&id=171&Itemid=171
- user-friendly tools developed to facilitate digitization and transformation of protected areas data into a globally accepted format which follows the IUCN World Database on Protected Area (WDPA) structure
- inputs to sound decision making for conservation of Key Biodiversity Areas
- Total PAs encoded to date: 1,518

Available Database Content on PAs



Username :

Password :

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[Protected Areas List](#) | [Summary Reports](#) | [Advanced Search](#)

Per Country	Per IUCN Category	Per National Designation	Per Status
XXX	IUCN Category Per Country	XXX	Status Per Country

Protected Areas Summary Per Country

Country	PA Count
Brunei	35
Indonesia	465

Protected Areas Summary Per IUCN Category

IUCN Category	PA Count
Ia (Strict Nature Reserve)	174
Ib (Wilderness Area)	9
II (National Park)	303
III (Natural Monument or Feature)	38
IV (Habitat/Species Management Area)	174

Protected Areas Summary Per Status

Status	PA Count
Degazetted	18
Designated	1246
Proposed	271
Voluntary - recognised	1
Total	1536

52 Records of Species that are Invasive in Philippines

[Show pictures](#)

Sort by : ☒ Species Name(s) ☐ Common Name(s) ☐ Native Range

Species Name(s)	Common Names	Geographical Range		Pathways of Introduction
		Native Range	Known introduced range in the ASEAN	
Abrus precatorius	weather plant, weather vine; coral bead plant	Africa; temperate and tropical Asia; Australasia; Pacific (USDA-ARS, 2010)	naturalized in the Neotropics (USDA-ARS, 2010).	
Acacia confusa	formosa acacia (English), formosa koa (English), lanangi (English)small Philippine acacia (English)	The Northern Philippines, China and Taiwan.	Commonwealth of the Northern Mariana Islands, Federated States of Micronesia, Guam, Hawaii, Palau, Indonesia, Peninsular Malaysia, Japan, Mauritius, and Seychelles.	For ornamental purposes (local): Spread through ornamental plantings; Forestry (local): Spread through forestry.
Alternanthera sessilis	joyweed (English)	Australia, Asia, Northern Mariana Islands, Federated States of Micronesia, Guam, Palau, Philippines, Solomon Islands, Singapore (Sainty et al. 1998; PIER, 2006; USDA, 2004).	United States, Australia: Norfolk and Christmas Island, Ecuador, Fiji, French Polynesia, Marshall Islands, Nauru, New Caledonia, (USDA, 2007; PIER, 2006;)	
Anas platyrhynchos	mallard (English)	Afghanistan; Albania; Algeria; Armenia; Aruba; Austria; Azerbaijan; Bahamas; Bahrain; Bangladesh; Belarus; Belgium; Belize; Bermuda; Bhutan; Bosnia and Herzegovina; Bulgaria; Canada; China; Columbia; Costa Rica; Croatia; Cuba; Cyprus; Czech Republic; Denmark	Australia, New Zealand, Hawaii and New Caledonia	
Anoplolepis gracilipes	crazy ant (English); long-legged ant (English); yellow crazy ant (English)	The yellow crazy ant (<i>Anoplolepis gracilipes</i>) remains poorly studied and even its native range is not certain. It may have originated from Africa or Asia (Holway et al. 2002). The centre of diversity for the genus is Africa and <i>A. gracilipes</i> is the only species	It has been introduced into parts of Africa (including South Africa), Asia, South America (including Brazil) and Australia. It has been introduced onto some Caribbean islands, some Indian Ocean islands (including the Seychelles, Madagascar, Mauritius, La R'union, the Cocos Islands and the Christmas Islands) and some Pacific islands (including New Caledonia, Hawaii, French Polynesia, Okinawa, Vanuatu, Micronesia and the Galapagos archipelago) (McGlynn 1999; Holway et al. 2002; Lewis et al.	Long distance transportation: in produce or habitat material in packing material, timber, soil, goods, packaging and pallets in aircrafts, road vehicles, military machineries, boats and sea cargo. Deliberate introduction for biological control of plant pests on coconut, coffee and cacao plantations. Local dispersal methods: <i>Anoplolepis gracilipes</i> has been known to successfully colonize

E-Library



http://chm.aseanbiodiversity.org/index.php?option=com_wrapper&view=wrapper&Itemid=214¤t=214

E-Library

- Access and Benefit Sharing
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- ASEAN Heritage Parks
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- Climate Change
- Coastal Management
- Community Based Approaches
- Conservation
- Coral Reef
- Ecological Economics

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List of available references for Biodiversity

[201 Records]

Ref. No.	Author	Reference Title
00002	Hughes, Randall A.	Ecological Consequences of Genetic Diversity
00003	Sala, Enric	Global Marine Biodiversity Trends
00004	Posa, Mary Rose C.	Hope for Threatened Tropical Biodiversity: Lessons from the Philippines
00005	Wilfredo, Licuanan Y.	New Records of Stony Corals from the Philippines previously known from Peripheral Areas of the Indo-pacific
00006	Piola, Richard F.	Pollution Reduces Native Diversity and Increases Invader Dominance in Marine Hard-substrate Communities
00056	Bailly, Nicolas	Taxonomy and Biodiversity Information Systems for Natural Resources Management in Global and National Contexts
00058	Vallejo, Benjamin Jr.	How Many Centers of Marine Biodiversity are there in the Philippines?
00582	Kato, Makoto	Plant-pollinator Interactions in Tropical Monsoon Forests in Southeast Asia
00615	Republic Of The Philippines	Assessing Progress Towards the 2010 Biodiversity Target: The Fourth National Report to the Convention on Biological Diversity
00616	Indonesian Ministry Of Environment	Fourth National Report to the Convention on Biological Diversity (Indonesia)
00619	Malaysian Ministry Of Natural Resources And Environment	Fourth National Report to the Convention on Biological Diversity (Malaysia)
00621	Office Of Natural Resources And Environmental Policy And Planning	Fourth National Report on the Implementation of Convention on Biological Diversity (Thailand)
00000	Ministry Of Science, Technology	First National Report to the Conference of the Parties of the Convention on Biological

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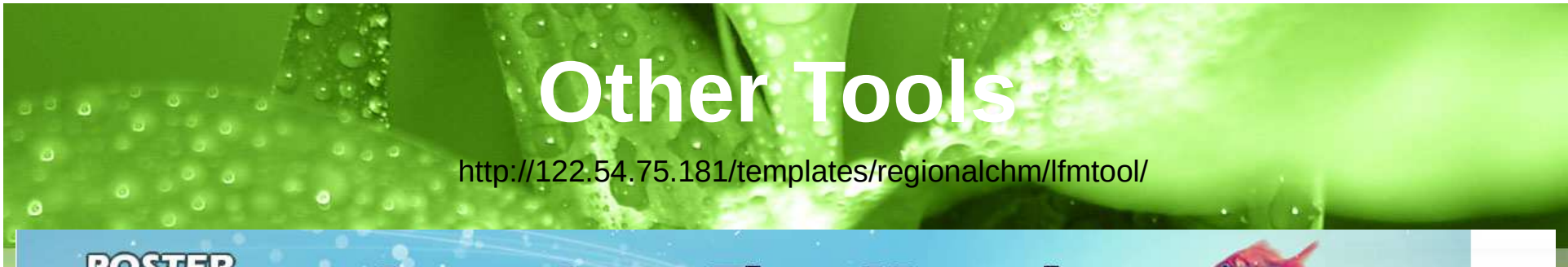
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Reference Details

**Author/s. Year. Title. Volume. Page. Publisher.
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Reference No	Publication Year	Call Number (s)
Title	Volume No	Type
Author	Issue No	Topic
Other Authors	Page No (s)	Language
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Other Tools

<http://122.54.75.181/templates/regionalchm/lfmtool/>

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Fish Panel

Philippines

--Select Region--



Skipjack Tuna

Katsuwonus pelamis



Alumahan

Rastrelliger kanagurta



Tambakol

Thunnus albacares

Double-click here to write poster title









5NR

<http://chm.aseanbiodiversity.org/regional5nr.php>

FIFTH NATIONAL REPORT

Admin

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BIM Administrator

5NR Reports

Country	Title	Last Update	Edit Section	View Draft	Edit Draft	Delete Draft	Print Draft
Brunei Darussalam		2013-02-22					 
Philippines	Brunei Darussalam Fifth National Report	2012-12-11					 

Encoders List

Brunei Darussalam

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Name	User Level	Specific Section	View Profile	Edit	Delete
Kit Elloran	Main Editor				

Philippines

Name	User Level	Specific Section	View Profile	Edit	Delete
Lilibeth Cabebe	Main Editor				
public user	Contributor				

Biodiversity Videos

http://www.aseanbiodiversity.org/index.php?option=com_content&view=category&id=7:acb-videos&Itemid=122&layout=default



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5	Habitat Building Species In Tropical Coastal Ecosystems	174
6	Intro to Biodiversity	351
7	Medicine	260
8	Our Take, Our Taka (Paper Mache)	42
9	Saving ASEAN's Natural Treasures	305
10	The ASEAN Champions of Biodiversity	379
11	The ASEAN Heritage Parks	291
12	Values of Biodiversity Part 1	259
13	Values of Biodiversity Part 2	312
14	Values of Biodiversity Students Version	806

Animals and Plants in Danger:

http://www.youtube.com/watch?feature=player_embedded&v=mmoiVlov65w

Marine and Coastal Ecosystems:

<http://www.youtube.com/watch?v=AmVG8Zl8JgU>

How the ASEAN is faring

<http://www.youtube.com/watch?v=nhbANDgJGSk>

Perception Mapping Method

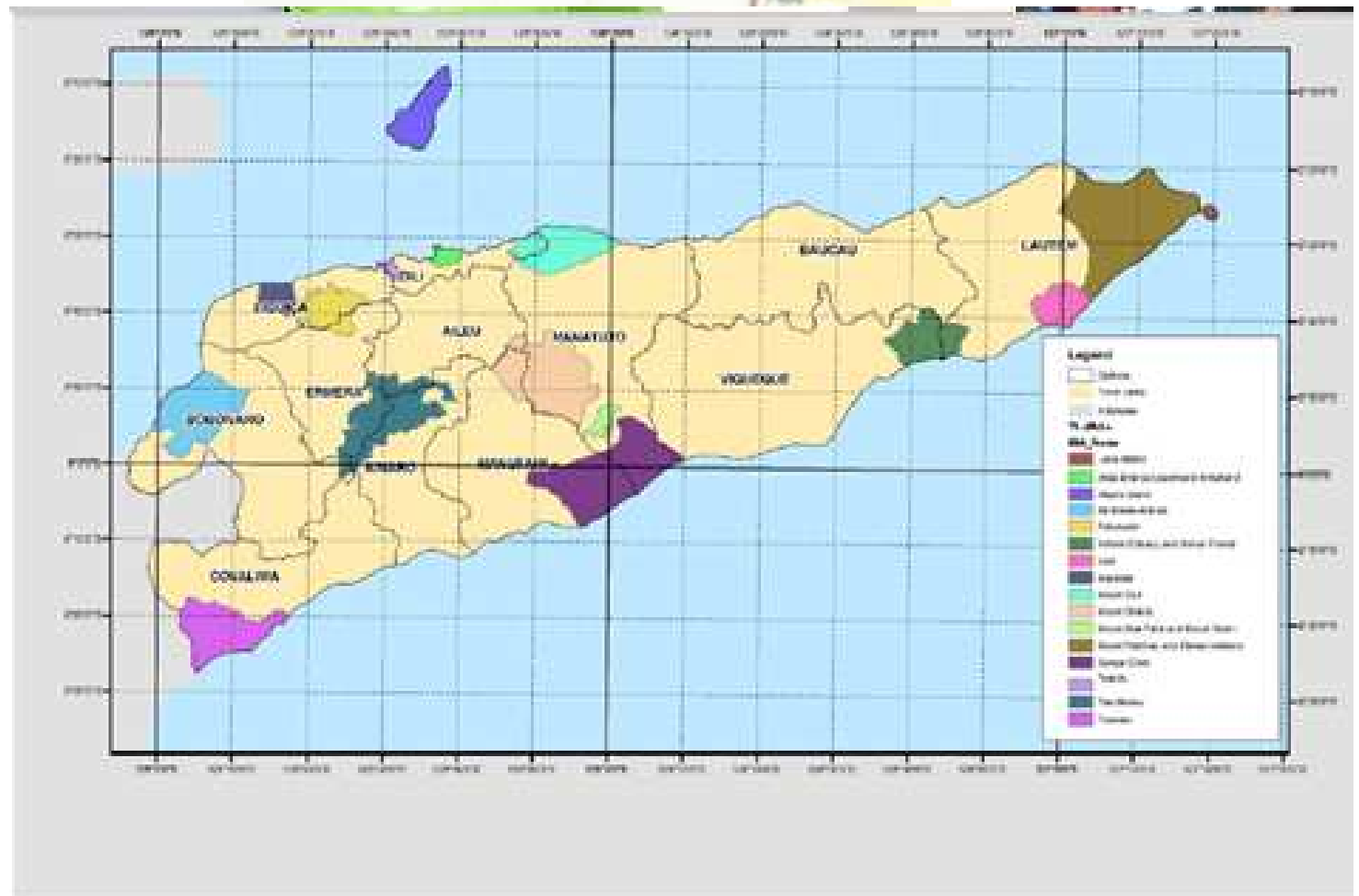
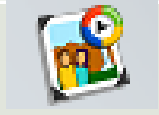


Figure 17. Important Bird Areas in Timor-Leste



Non-ACB developed freeware

Tool	Purpose	Icon
Freemind	a mindmapping tool to facilitate meetings	
Snipping Tool	- For grabbing, cutting and pasting	
Dropbox	For file exchange and storage online	
Geocommons	Simple mapping, manage collected GPS data	
Photostory	NBSAP / NR communication	
Templateswise.com	Free Powerpoint templates	

Downloadable, Easy to learn



Thank you
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