



“Role of CHM in Supporting Development and Implementation of NBSAPs”

*By: Ma. Consuelo Garcia
Director, Biodiversity Information Management
ASEAN Center for Biodiversity*



Outline:



- NBSAP
- CHM
- Relevant ACB's Activities
- Summary of CHM activities
- CHM Vision



National Biodiversity Strategic Action Plan (NBSAP)



Contains the national strategies, plans or programmes for the conservation and sustainable use of biological diversity

Include the following elements:

- ways to carry out and update assessments of the status and trends of national biodiversity
- procedures for identifying the priority issues for the NBSAP
- establishing and monitoring measurable national goals and targets
- legislative measures and public policy development
- NBSAP management and oversight arrangements
- funding strategies
- national framework of action for communication, education and public awareness activities of biodiversity



NBSAP



Common Strategies of ASEAN NBSAP

1. Expand and enhance

Knowledge Management

- **expand the data and information**
- **improve the knowledge base**
- **enhance scientific and technological knowledge**
- **expanding and improving knowledge**
- **enhancing biodiversity awareness and knowledge**

(Indonesia, Lao PDR, Malaysia, Philippines, and Thailand)



NBSAP



Summary of ASEAN NBSAP

2. Build, promote and strengthen Awareness and Capacity Building

- promoting awareness and capacity building
- increase public awareness
- strengthening capacities
- promote nature awareness
- institutional capacity building
- strengthening capacities
- capacity building for local communities
- awareness building
- capacity building and staff training



(Cambodia, Lao PDR, Philippines, Singapore, Thailand, and Vietnam)

NBSAP



Summary of ASEAN NBSAP

3. Establish and promote Networking/International Cooperation

- **advocating stronger international cooperation**
- **international Environmental Relations**
- **promoting international cooperation**
- **establishing national network of biodiversity conservation**
- **international cooperation**

(Philippines, Singapore, Thailand and Vietnam)



NBSAP



Mainstreaming of NBSAP

- Important to mainstream biodiversity concerns, conservation and sustainable use, into the way sectors (public and private) operate in order to have immediate benefits in improving environmental quality and productivity
- One tool to support mainstreaming is to make NBSAPs available to a wider audience via the Clearing House Mechanism (CHM)



Clearing House Mechanism (CHM)



- **Goal:** Promote and facilitate technical and scientific cooperation
- **Expanded strategic goals:**
 - Promote and facilitate technical and scientific cooperation
 - Promote and facilitate exchange of information
 - Establish a fully functional network of Parties and partners



CHM

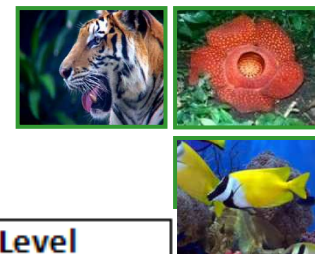


Broad Components:

- CHM Focal Points
 - institutions to facilitate partnerships, exchange of information and knowledge, and more effective communication
 - Networks
- CHM Website
 - an Internet-based system to facilitate greater and global collaboration through education and training projects, research cooperation, funding opportunities, access to and transfer of technology, repatriation of information and developing a network of partners
 - venue for public consultation of the national strategies



CHM Overview of Roles



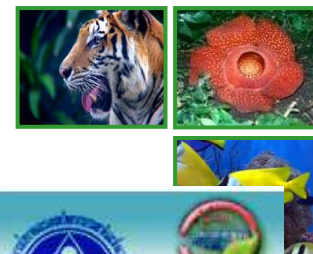
Goals	SCBD Level	National Level	Partner Level
1. Scientific and technical cooperation	<ul style="list-style-type: none"> • Global information on cooperation initiatives and impacts • Facilitating information on needs and opportunities • Promote N-S, S-S cooperation and partnerships 	<ul style="list-style-type: none"> • Coordination between national biodiversity stakeholders • Involvement in national strategies and action plans • Inventory of national initiatives 	<ul style="list-style-type: none"> • Major cooperation agencies (strategies and links to CBD, procedures, activities)
Goals	SCBD Level	National Level	Partner Level
2. Exchange of information	<ul style="list-style-type: none"> • Central website (cbd-chm.net) • Global compilation and dissemination of information • Global search • On-line <u>collaboration</u> tools (Discussion boards, wikis, blogs) 	<ul style="list-style-type: none"> • Compilation of national biodiversity information • National website • Outreach activities • Communication, education and public awareness 	<ul style="list-style-type: none"> • Providers of scientific and other relevant information

CHM Overview of Roles



Goals	SCBD Level	National Level	Partner Level
3.Networking	<ul style="list-style-type: none">• Links to each network nodes• Guidelines and standardization• Exchange of CHM experiences• Support to national CHM	<ul style="list-style-type: none">• Networks of national stakeholders• Support to other national CHM	<ul style="list-style-type: none">• International and regional network

ASEAN CHMs



กลไกการเผยแพร่ข้อมูลข่าวสาร
ความหลากหลายทางชีวภาพ

สำนักความหลากหลายทางชีวภาพ
สำนักกนกนโมใจบางและแผนกทรัพยากรธรรมชาติและสิ่งแวดล้อม



Google

Search

- สพ.
- แผนผังเว็บ
- Download
- ถาม - ตอบ

วันจันทร์ที่ 7 มกราคม

ปรับปรุงเมื่อ 15 มีนาคม 2549

ไทย / English

ที่ 22 พ.ศ. วันสากลแห่งความหลากหลายทางชีวภาพ "

- เมนูหลัก
- หน้าหลัก
- ความหลากหลายทางชีวภาพ
- อนุสัญญาว่าด้วย
ความหลากหลายทางชีวภาพ
- โปรแกรมงาน
- พิธีสารคาร์ตาเฮนาว่าด้วย
ความปลอดภัยทางชีวภาพ
- กลไกการเผยแพร่ข้อมูลข่าวสาร
ความปลอดภัยทางชีวภาพ
- กลไกการเผยแพร่ข้อมูลข่าวสาร
ด้านความหลากหลายทางชีวภาพ
- ข้อมูล / ฐานข้อมูล
- เอกสารและสิ่งพิมพ์



Clearing House Mechanism

Biodiversity E-News



Biodiversity E-News

จดหมายข่าวความหลากหลายทางชีวภาพ

คลิก 1 ครั้ง | 1 Download

Biodiversity
Halt the loss
COUNTDOWN
20



Waiting for chm-thai.onep.go.th...



Private Sector CHM



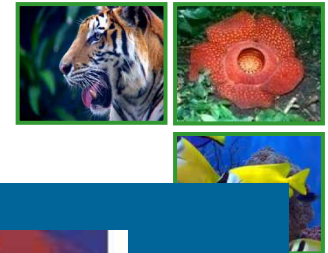
Example: Pluspetrol Peru Corporation

The screenshot displays the 'COMMITMENT TO THE ENVIRONMENT' page of the Pluspetrol Peru Corporation website. The page features a header with the company logo and a navigation menu on the right. The main content area includes a large image of a waterfall in a lush forest and a text block describing the company's environmental commitment. The text states: 'Grupo Pluspetrol's commitment and experience are consistent with sustainable development strategies that envision environmental quality as something more than just safeguarding the environment. It means providing a better quality of life for the native communities where its operations take place. The company's environment, safety, and health policy (EHS) is a main priority.' The navigation menu on the right lists: 'Corporate Profile', 'Introduction', 'Purpose, Vision & Values', 'Milestones', 'Complex Logistics', 'Stake in Gas', 'Activities', 'Exploration', 'Production', 'Electric Power', 'Strategic Participations', 'Environmental', 'Commitment', and 'EHS Policy'. The footer includes 'Español' and 'Home | Inicio' on the left, and 'Contact Us | Contáctenos' on the right.



Based on the “**Business and Biodiversity: the Handbook for Corporate Action**” *Earthwatch, IUCN, World Business Council for Sustainable Development*

Thematic CHMs



The screenshot shows the NatureServe website homepage. At the top left is the "GISP" logo. Below it is a navigation menu with items like "About Us", "Projects", "Visit Local Programs", "Get Data", "Products & Services", "Publications", and "Support Us". The main header features the NatureServe logo and the tagline "A Network Connecting Science with Conservation". Below this is a large banner image of a polar bear on an ice floe. To the right of the banner are three featured sections: "NatureServe Explorer" with a butterfly icon, "InfoNatura" with a llama icon, and "Biodiversity Insights". At the bottom left of the screenshot is a "News & Highlights" section with a small photo of a woman and the text "Natural Heritage Methodology Training Begins Feb. 25 - 28".



Noted from the CBD Website

Sub-regional/regional CHM



DarwinNet

Información para la conservación de los Bosques secos de Perú y Ecuador

| Contáctenos | Mapa del Web |

Buscar

Google Search

La Web En DarwinNet

Lunes 07 de Enero de 2008

DARWINNET es el mecanismo de facilitación de información para la biodiversidad, conservación y desarrollo sostenible de los bosques secos de Perú y Ecuador.

Principal

Información Básica

Base de Datos

Proyectos y Propuestas

Financiamiento

Documentos de Interés

Sobre Darwinnet

¿Cómo Participar?

Si tienes información sobre los bosques secos de Perú y Ecuador, puedes ser parte de nosotros

Noticias

Nevado Pastoruri se divide en dos partes por calentamiento global

Se encuentra dividido en dos partes debido al intenso proceso de deglaciación.

[más información](#)

Eventos

Curso de gestión de procesos de creatividad, investigación, desarrollo e innovación

Del 28 de Enero al 29 de Febrero del 2008.

[más información](#)

 **Participa de Nuestros Foros de Discusión**

Desalojarán a 200 invasores de Santuario Histórico Bosque de Pómac
Desde hace cinco años talaban algarrobos del

Conteo Navideño 2007, Reserva Ecológica Comunal Loma Alta (RECLA)

15 y 16 de Diciembre del 2007.

[más información](#)



Manténgase Informado!
IBAS de la Región Tumbesina



ÁREAS PROTEGIDAS Y RESERVAS

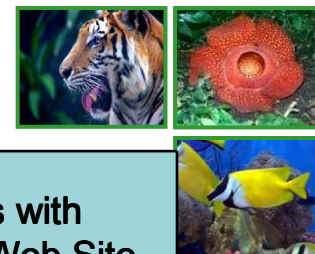


Planes de Acción para la Conservación de las Especies



Noted from the CBD Website

Established CHMs



Region	Total countries	CBD Parties	Parties with CHM NFP	Parties with CHM E-Mail	Parties with CHM Web Site
Africa	53	52	46 88.46%	42 80.76%	19 36.53%
Asia and the Pacific	56	54	41 75.92%	38 70.37%	12 22.22%
Southeast Asia	10	9	7 77.78%	1 11.11%	4* 44.44%
Central and Eastern Europe	23	23	18 78.26%	18 78.26%	13 56.52%
Latin America and the Caribbean	33	33	29 87.87%	29 87.87%	17 51.51%
Western European and Others	31	28	25 89.28%	25 89.28%	22 78.57%
Totals	196	190	159 83.68%	152 80%	83 43.68%



CHM Content



- Country profiles
- Biodiversity strategies and action plans (NBSAP); appropriate legislations
- Scientific and technological information
- Financial sources which should be linked to the Secretariat CHM



CHM Content Other Key Elements



- Tools in supporting participation in the thematic areas and cross-cutting areas of the Convention
- Electronic dialogue and communication to synergize new collaborative initiatives and promote exchange of ideas and knowledge
- Provision of links to experts, partners, literature and resources
- Geographical information systems and data modeling
- Access to national databases on biodiversity information
- Case studies
- Link with other information systems containing resources of best practices
- Electronic library catalogue on biodiversity information



CHM Toolkit



The screenshot shows the website's header and navigation menu. The header includes the Convention on Biological Diversity logo and the title "CLEARING-HOUSE MECHANISM TOOLKIT". The navigation menu lists various sections: HOME, CONVENTION, PROTOCOL, DECISIONS, PROGRAMMES, CHM, BCH, PARTICIPATION, SECRETARIAT, DOCUMENTS, MEETINGS, and SITE MAP. A search bar is located on the right side of the navigation menu. The main content area features a "TABLE OF CONTENTS" with links to INTRODUCTION, MODULE 1 through 6, RESOURCES, and CONTACT US. A large graphic of a stylized flower with a globe as its center is positioned on the right side of the main content area.



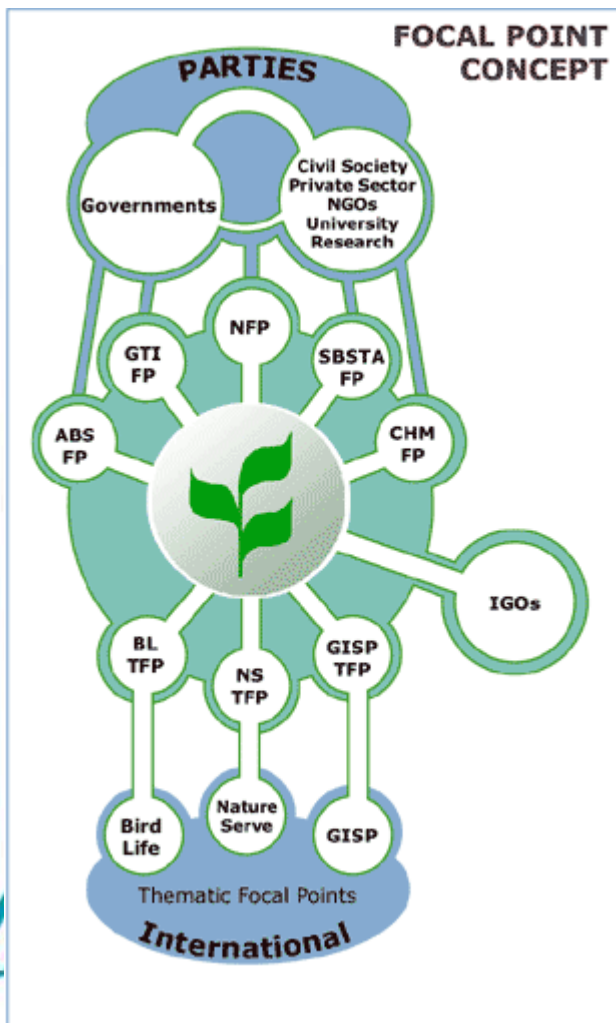
CHM Toolkit



- Facilitate the establishment of national CHMs, and promote their participation in activities related to technical and scientific cooperation
- Synergize partnerships to assist with the technical development of national CHMs
- Assist in the design and establishment of national CHM websites
- Make recommendations pertaining to the use of and adherence to formats, protocols and standards for the improved exchange of biodiversity-related data, information and knowledge



The CHM Toolkit



Module 1 Establishing CHM National Focal Points

discusses the establishment of a Clearing-House Mechanism (CHM) National Focal Point

Module 2 Developing a National CHM Website

discusses the development of national Clearing-House Mechanism (CHM) websites and new communication technologies to support CHM-related activities and work

CHM Toolkit



Module 3: Technical Support and other Toolkits

discusses available technical toolkits and support to assist Parties in the development and establishment of a national Clearing-House Mechanism (CHM) Website

Examples:

- The Biosafety Clearing-House (BCH) Toolkit
- The Netherlands CHM National Focal Point Toolkit

The screenshot shows the homepage of the Netherlands Clearing-House Mechanism for Biodiversity (NL CHM). The header includes the Convention on Biological Diversity logo, the NL CHM logo, and navigation links for English and Dutch. The main content area features a welcome message and a gateway to biodiversity and the Netherlands. The left sidebar contains a navigation menu with categories such as 'ABOUT BIODIVERSITY', 'BIODIVERSITY IN THE NETHERLANDS', and 'SOP 61 THE RAGRE 2002'. The footer contains contact information for the National Reference Centre for Agriculture, Nature and Food Quality (EC-LNV).

Convention on Biological Diversity
Sustainable Development
equitable benefit sharing

ENGLISH | NEDERLANDS | SEARCH

NETHERLANDS CLEARING-HOUSE MECHANISM FOR BIODIVERSITY

WELCOME TO THE
Netherlands Clearing-House Mechanism for Biodiversity:
Gateway to biodiversity and the Netherlands

This information platform is a national contribution to the implementation of the [Convention on Biological Diversity \(CBD\)](#). The NL CHM portal aims to offer information on the convention and its implementation in the Netherlands. It also provides easy access to knowledge about status and trends of the biodiversity in this country and brings you into contact with the people and organisations involved.

Several pages of this NL CHM web site are still under construction. The site is being updated regularly.

For [CBD National reports](#) from The Netherlands see our page [National reports and other documents](#). A summary of the last formal National Report to the Secretariat of the CBD is given in the new brochure ["Biodiversity and the Netherlands"](#) (2002).

Recently the english version of the new [International Policy Programme on Biodiversity \(IPB\)](#) of the Netherlands has been published. It is now available on this CHM web site.

The NL CHM is hosted by the [National Reference Centre for Agriculture, Nature and Food Quality \(EC-LNV\)](#).
For suggestions and further information about this web site [click here](#).

National Reference Centre for Agriculture, Nature and Food Quality (EC-LNV)
NL 6710 BL Ede Tel +31 216 922672 Fax +31 216 922550
© 2001 last updated 2003-07-22



CHM Toolkit



Module 4 Partnering and funding opportunities

discusses partnering opportunities and funding to assist in the establishment of a national CHM website

Example: Belgian Partnering Role Programme

- assists Parties with poor access to new information technologies to use web-based technologies in an effort to support CHM activities.
- assistance includes:
 1. developing and hosting national CHM websites, and
 2. organizing training courses for webmasters of partner countries.



CHM Toolkit



Module 5: Common Formats and Controlled Vocabularies

discusses the importance and use of **common formats** and **controlled vocabularies** (e.g. *ENVOC*) in the development of information exchange systems and national CHM websites

Module 6 Metadata: What is it and Why is it Important

discusses the creation and use of metadata including the Dublin Core.



ACB's Relevant Activities



Vision

... a leader in providing biodiversity information to support better-informed and knowledge-based decision-making of ASEAN governments and policy-makers.

Goal

“promote the exchange of relevant knowledge on biodiversity”



ACB's Relevant Activities



Digital Knowledge Management

“enhance the capability of the AMCs to conduct regional analysis; formulate data sharing strategies and develop uniform reporting schemes, indicators and early warning system; and facilitate reporting to national, regional and international needs and commitments”



ACB's Relevant Activities



What ACB is doing:

- Sub-regional workshops on data and information sharing, database, CHMs and networks.
- Assist AMCs to tap on “financial mechanism to support the capacity-building in developing countries, including training in information system technologies, and country driven pilot projects to enable developing countries to begin to implement the main features of the pilot phase of the CHM [[decision III/4](#) paragraph 2].”
- Establishing a network – for data and information sharing and harmonization
- Enhancement of existing ACB website, PA and Species Database and web based maps, Friends of Biodiversity Database



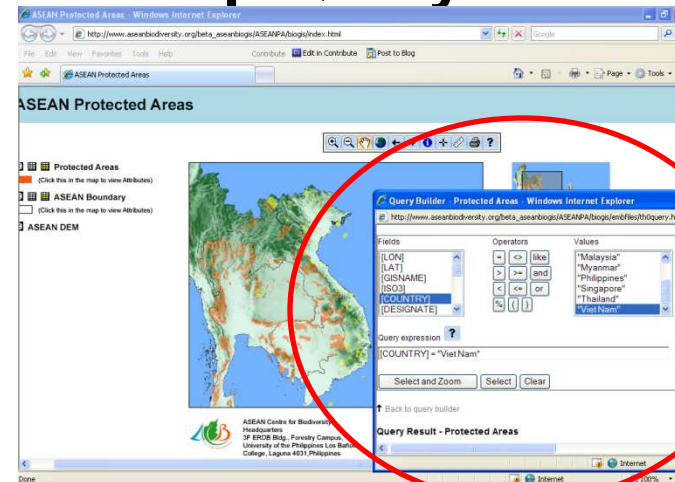
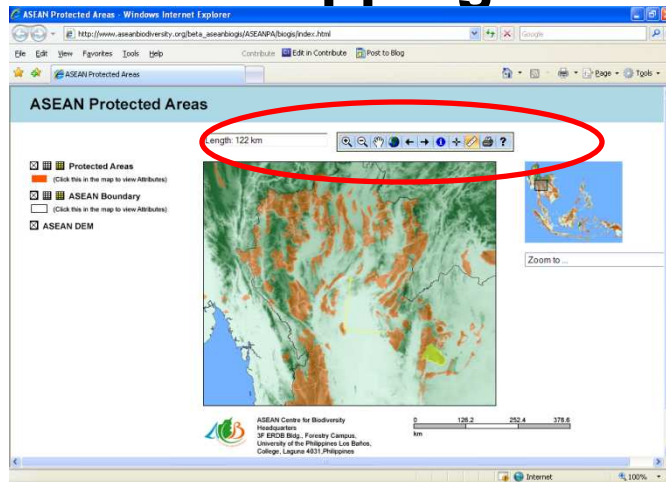
ACB's Relevant Activities

BISS Mapper (ASEAN BioGIS)

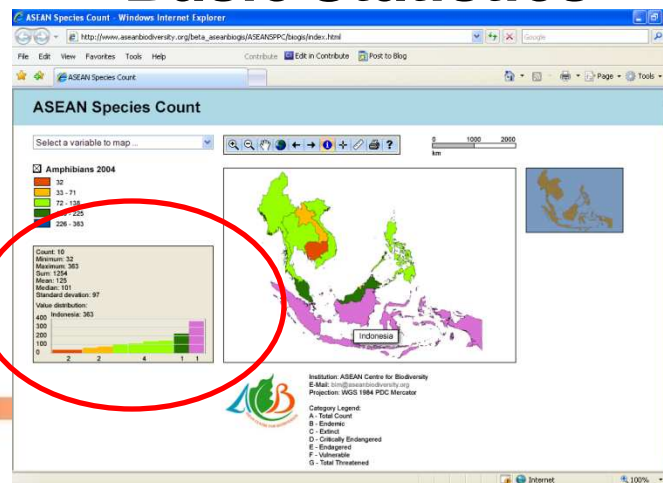


Basic mapping tool

Map Query Tool



Basic Statistics



Knowledge Management Architecture

PEOPLE

Change Management

Communication Strategy

Training Program

Incentive Program

Assessment and Evaluation (KM and e-Pas linkage)

Other Intervention Programmes

Program Management

MfDR and KM linkage

Monitoring and Evaluation

Program and Project planning, monitoring, reporting

Lessons Learned

Learn Before

Learn During

Learn After

Lessons Learned Sharing

CoP

CoP Development

-Planning guide
- Facilitation support

Nurturing CoP

- Facilitation support
- IT support
- Helpdesk and Advisory Support

Yellow Pages

Explicit Knowledge base
- Where do I find documents

Tacit Knowledge base
-Who is doing what

Skills and Expertise base
-Who is an expert on what

Business process base
-How do I do what

Enterprise Portal

Personal sites

Project and Activity Sites

Divisional or Thematic Sites

Internal Documents, IT resources, and websites

PROCESS

Knowledge Mapping

Business Process Mapping

Explicit Knowledge base Identification

Tacit Knowledge base Identification

Knowledge Cycle

Create Capture

Share Enhance

Store Retrieve

Disseminate Reuse

Information Access

Metadata

Thematic Classification

Enterprise Classification

TECHNOLOGY

Collaboration Tools

Enterprise Content Management and Enterprise Architecture

Internet Site

Regional Networks and Access to External Information

Search



Adapted from USAID



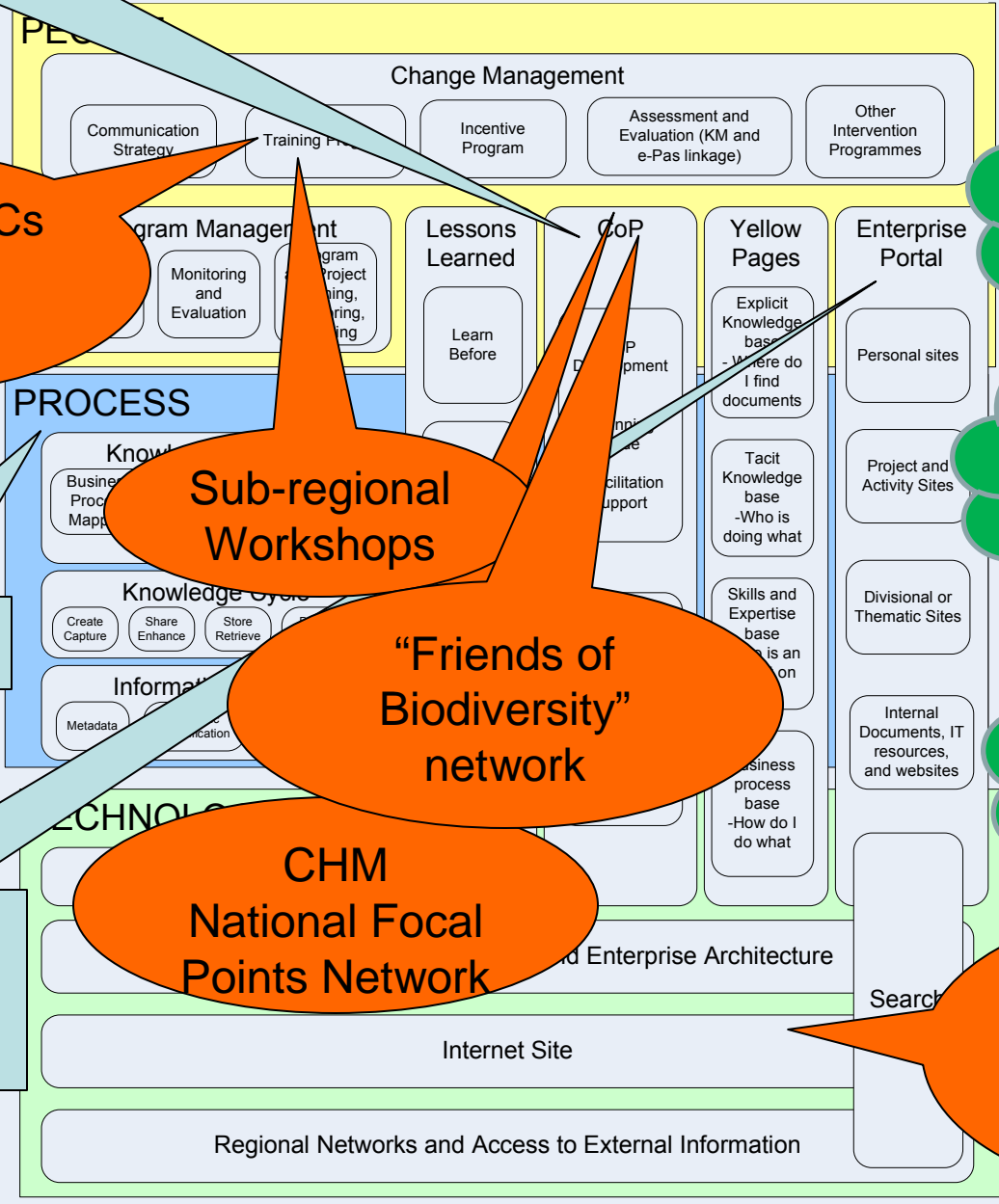
Knowledge Management Architecture

CHM National Focal Points

Assistance AMCs on capacity building

CHM Toolkit

CHM Website
(internet site and portal)



Sub-regional Workshops

“Friends of Biodiversity” network

CHM National Focal Points Network

Expand and Enhance Knowledge Management

Build, promote and strengthen awareness and capacity building

Establish and promote networking/international cooperation

ACB Website, PA and Species Database and Web based Maps (existing)



The Vision:CHM Services



Needs	Online Services
Access to relevant reference information (guidelines, strategies, reports, etc)	Knowledge base (document repository, online submission)
Collaborate to share ideas and brainstorm how to implement the convention	Collaboration tools (discussion boards, blogs, wikis)
Plan and report on implementation activities	Planning and reporting facility
Reach out to many audiences, disseminate national information and share experiences	National information and websites



CHM and NBSAP

... CHM provides a common gateway to information; an enabling platform to link and share experiences among biodiversity stakeholders...

...and therefore assist countries in the planning, preparation, consolidation and discussion of strategic documents like NBSAP and its implementation; and enhance the overall implementation phase of the Convention on Biological Diversity





Thank you

The ASEAN Centre for Biodiversity (ACB)
can be contacted at contact.us@aseanbiodiversity.org
or visit www.aseanbiodiversity.org



Decisions on Article 18(3)



- [Decision I/3](#)
Clearing-House mechanism for technical and scientific cooperation
- [Decision II/3](#)
Clearing-house Mechanism
- [Decision III/4](#)
Clearing-House mechanism to promote and facilitate technical and scientific cooperation
- [Decision IV/2](#)
Review of the operations of the clearing-house mechanism
- [Decision V/14](#)
Scientific and technical cooperation and the clearing-house mechanism (Article 18)
- [Decision VI/18](#)
Scientific and technical cooperation and the clearing-house mechanism
- [Decision VII/23](#)
Scientific and technical cooperation and the clearing-house mechanism (Article 18, paragraph 3)
- [Decision VIII/11](#)
Scientific and technical cooperation and the clearing-house mechanism

