



Overview of the Philippine Biodiversity Strategy & Action Plan (PBSAP) & Biodiversity Finance Initiative: BIOFIN

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Presentation Outline

- The Philippines and the Convention on Biological Diversity
- The Philippine Biodiversity Strategy & Action Plan (PBSAP)
- The Biodiversity Financing Initiative (BIOFIN)

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The Philippines and the Convention on Biological Diversity

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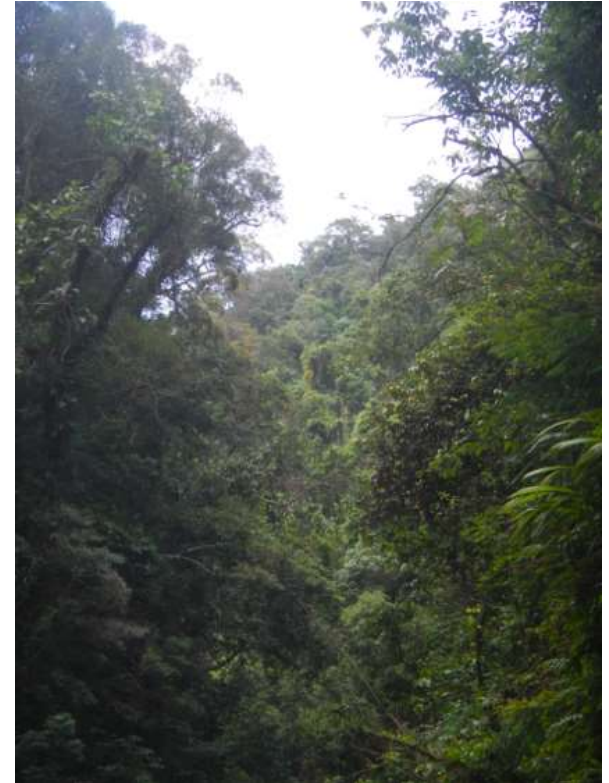
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Ph & the Convention on Biological Diversity

- The UN Convention on Biological Diversity (CBD) was opened for signature on 5 June 1992 at the United Nations Conference on Environment and Development (the Rio "Earth Summit")
- Philippines is a signatory to the CBD
- Parties develop and adopt a national biodiversity strategy and action plan
- 1st PBSAP was formulated in 1997 and the second revision was in 2002







The Global Strategic Plan for Biodiversity

- Adopted in Nagoya during the 10th Conference of Parties of the Convention on Biodiversity in October 2010
- Comprised of a shared vision, a mission, strategic goals and 20 ambitious yet achievable targets, collectively known as the Aichi Biodiversity Targets
- **Philippine Biodiversity Strategy & Action Plan (PBSAP) is guided by this**









The Aichi Biodiversity Targets

Goal A: Address causes

-  **Target 1** Awareness
-  **Target 2** Mainstreaming
-  **Target 3** Harmful incentives
-  **Target 4** Sustainability plans




Goal B: Reduce pressures

-  **Target 5** Loss of natural habitats
-  **Target 6** Overfishing
-  **Target 7** Sustainable management
-  **Target 8** Pollution
-  **Target 9** Invasive alien species
-  **Target 10** Climate change

Goal C: Improve status

-  **Target 11** Protected areas
-  **Target 12** Threatened species
-  **Target 13** Genetic diversity

Goal D: Enhance benefits

-  **Target 14** Ecosystems services
-  **Target 15** Restoration & carbon stocks
-  **Target 16** Nagoya Protocol

Goal E: Improve implementation

-  **Target 17** NBSAPs
-  **Target 18** Traditional knowledge
-  **Target 19** Science base
-  **Target 20** Financial resources

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The Philippine Biodiversity Strategy & Action Plan (PBSAP) 2015-2028

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PBSAP Planning Process

Creation/ Organization Project Implementation of Structure



National and local consultations (6) and Technical Working Group meetings



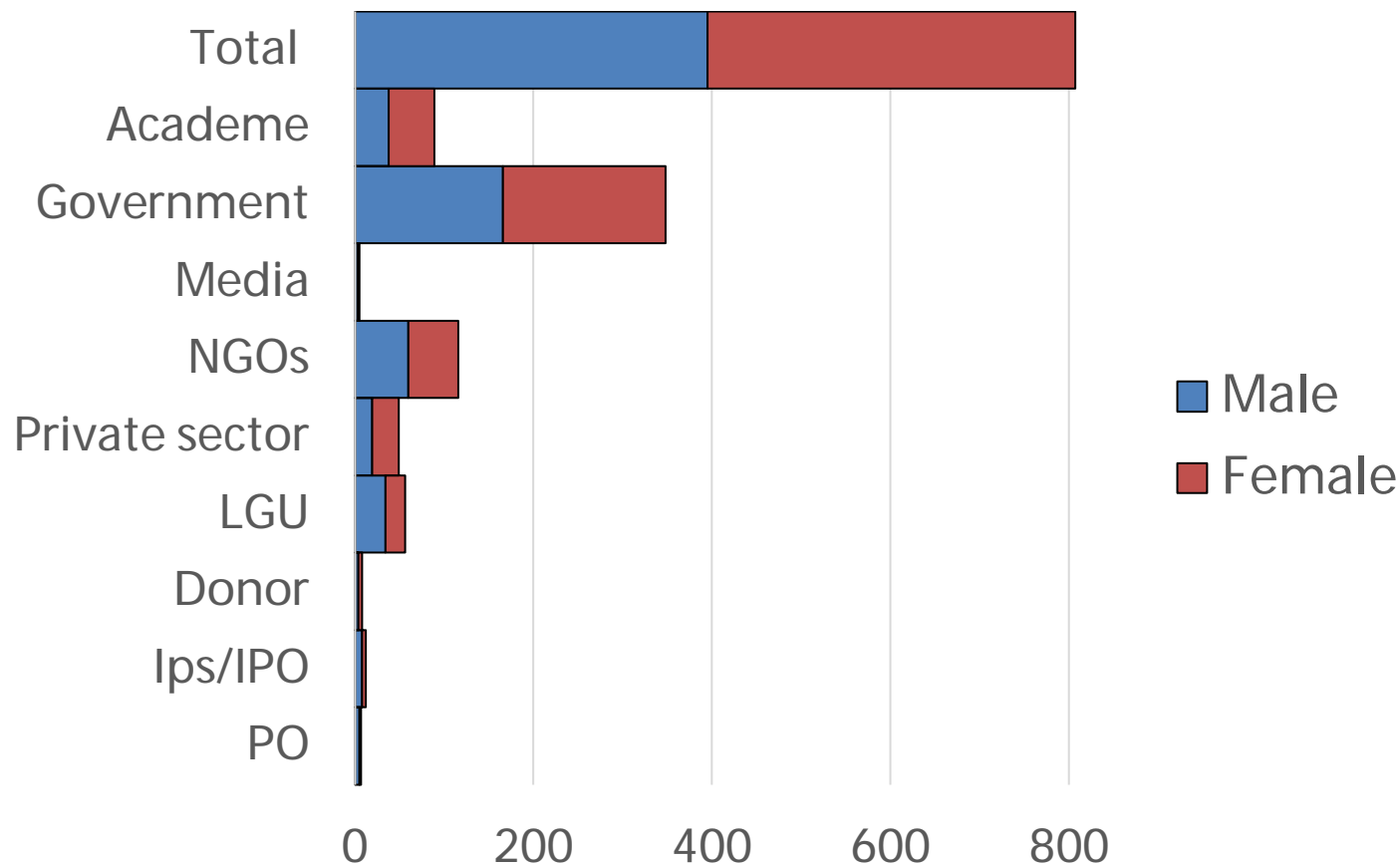
Formulation of Action Plans to implement specific activities under the PBSAP



Issuance of legal instrument to integrate PBSAP into all sectoral planning processes



Profile of participants



Problem Tree Analysis

Invasive Alien Species



Mimosa pudica

Habitat loss



Climate Change



Pollution



Overexploitation



Drivers of BD Change PBGAP

Determine carrying capacity of areas for development / framework governing sustainable consumption and production
update info on known and unknown threatened species and their conservation status
Lack of baseline on population of BD resources
Comprehensive updated information to I
KBAs fulfill min requirements of identifying areas as PA candidates but inadequate as comprehensive baseline
National list of PAs not quite co new/ly declared PAs local cons
Information on impacts of actions done to prevent extinctions

Systemic evaluation of BD importance/ Lack of

Limited Research

Active Governance / No Environmental Management

Overexploitation & Unsustainable

Excessive

Invasive Alien Species

Illegal reclamation of lakeshore and shoreland areas
Destructive fishing
Deforestation
Forests
Fragmentation of mining in PAs and
Agriculture Agricultural lands

movement of all extrajurisdictional through the sea
overfishing and destructive fishing
Inappropriate aquaculture practices
Overexploitation of NTFP

relative humidity
Conflict between forestry for wood production and agriculture in terms of use of exotics
Proliferation of species not considered IAS yet but has some IAS traits pending assessment
Unclear criteria standards and assessments

PBSAP Framework: INTERVENTIONS

Human Well-being

DIRECT

Restoration of ecosystem functions

Promotion of Biodiversity-friendly livelihoods

Strengthening law enforcement

ENABLING

Communication, Education and Public Awareness

Capacity Development

Biodiversity Conservation-related Research

Strengthening Policy for BD Conservation

Promotion of Biodiversity-friendly technology

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PBSAP Framework: OUTPUTS

Human Well-being

OUTPUTS

Awareness
increased

Improved
capabilities

BD
integrated into
development plans

Ecosystem
functions
restored

BD
Friendly
livelihoods

Reduced
pollution

Sustainable
Practices

Controlled IAS

INTERVENTIONS

DIRECT

ENABLING INTERVENTIONS

Restoration of
ecosystem
functions

Promotion of
Biodiversity-
friendly
livelihoods

Strengthening
law
enforcement

Communication, Education
and Public
Awareness
(CEPA)

Capacity
Development
for Biodiversity
Management

Biodiversity
Conservation-
related
Research

Strengthening
Policy for
Biodiversity
Conservation

Promotion of
Biodiversity-
friendly
livelihoods &
technology

Framework: OUTCOMES

Human Well-being

OUTCOMES

Improved
Biodiversi
ty Status

Enhanced
Ecosystem
Services

OUTPUTS

Awareness
increased

Capacity
enhanced

BD
integrated
into
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t plans

Ecosystem
functions
restored

BD Friendly
livelihoods &
technology

Reduced
pollution

Sustainable
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Controlled
IAS

INTERVENTIONS

DIRECT

ENABLING INTERVENTIONS

Restoration of
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functions

Promotion of
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Communicatio
n, Education
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Awareness
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Capacity
Development
for Biodiversity
Management

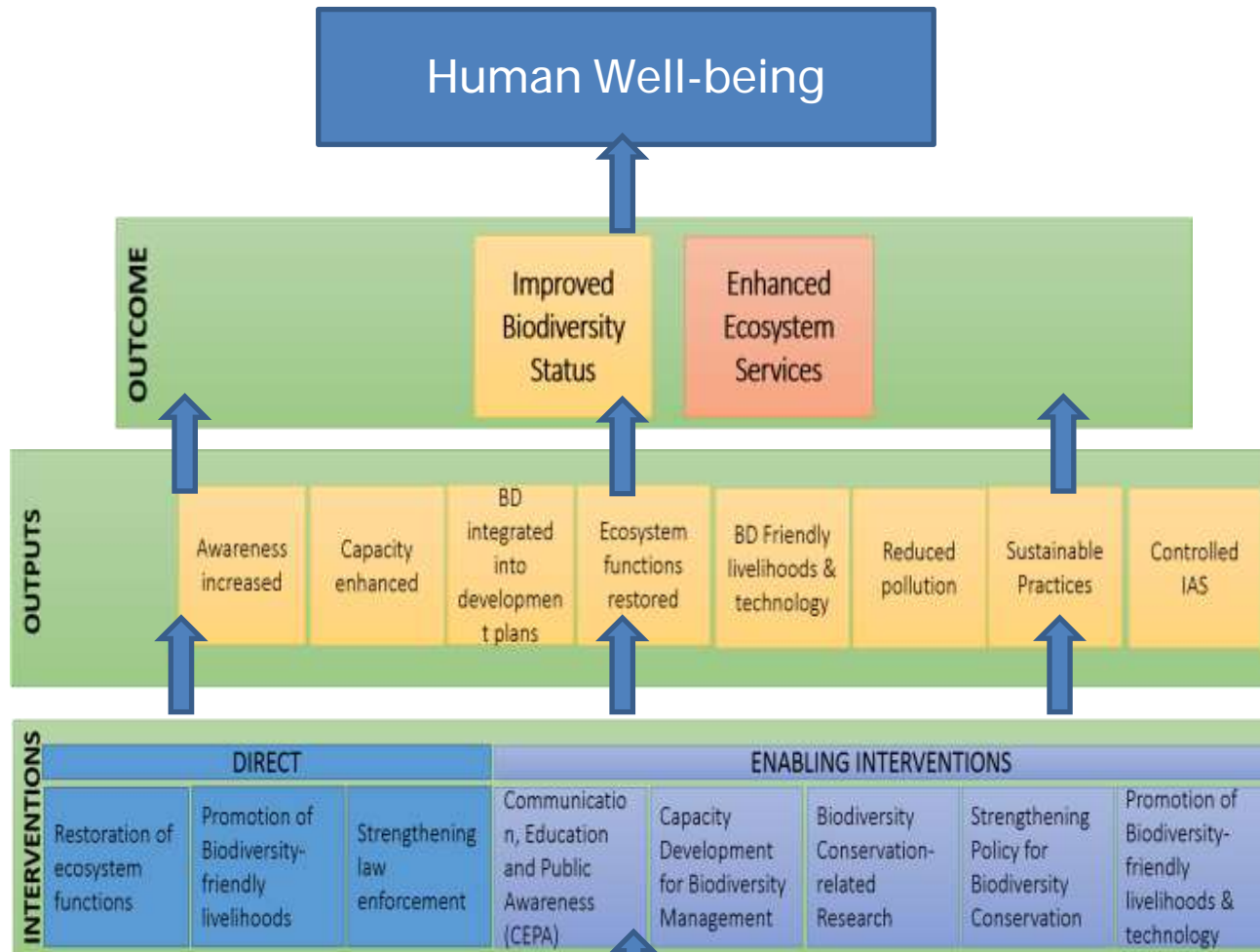
Biodiversity
Conservation-
related
Research

Strengthening
Policy for
Biodiversity
Conservation

Promotion of
Biodiversity-
friendly
livelihoods &
technology



PBSAP Framework



DENR, DSWD, DBM, DA, CCC, NCIP, PCW, DOF, OPAEP, DOE, DPWH, PSA, DILG, DepEd, CHED, NDRRMC, Intellectual Property Office, NCCA, DOST, NHC, NAPC, LLDA, MMDA, DFA, DOTC, DAR, DTI, NBI, PNP, AFP, PCG, Academe, NGOs, Media, Private Sector,

Addressing drivers

By 2028, 1M has of degraded ecosystems will be under various stages of restoration

By 2028, 10% increase in total area from 2015 levels of terrestrial including inland wetland PAs managed through NIPAS and other conservation measures (ICCA, LCA) that overlap with KBAs

By 2028, 20% increase from 2015 levels in the coverage of established MPAs/sanctuaries across various aquatic habitats

By 2028, capacity for BD conservation of public and private sector groups in terrestrial and coastal and marine PAs will be strengthened



Addressing drivers

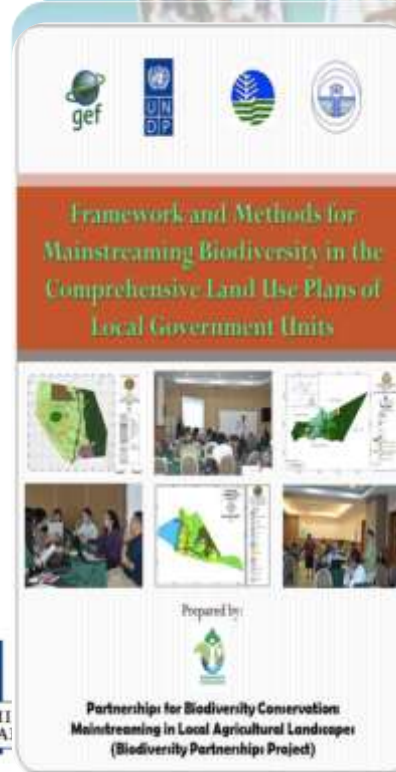
By 2028, 5% annual increase in the no. of schools, POs, media organizations, LGU, private companies, policy makers, government offices that are aware of BD, its importance, threats and benefits of protecting it

By 2028, there would be at least 10 nationally recognized agricultural heritage systems

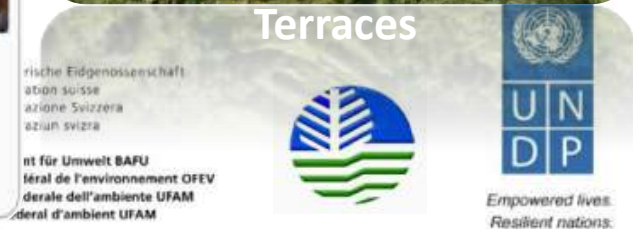
By 2028, there will be improved conservation status of caves

By 2028, 50% of LGUs have formulated and adopted enhanced CLUP using revised HLURB framework

By 2020, relevant biodiversity conservation policies to address existing gaps are in place



Banaue Rice
Terraces



Threats reduction

By 2028, the key threats to biodiversity are reduced, controlled or managed

Boracay

A silted reef close to a mine tailing discharge site. Marinduque, Calancan Bay, Philippines (J.W. McManus, from ReefBase)

Biodiversity status

By 2028, maintained or improved conservation status of **nationally and globally threatened species** in the country

By 2028, no net loss in **natural forest cover**

By 2028, no net loss in presence and area distribution of live coral cover, mangrove and seagrasses

By 2028, 10% increase in agricultural areas devoted to all types of biodiversity-friendly agriculture



Upp



Jade vine



Philippine brown deer

Biodiversity status

By 2028, there will be a 5% increase in the proportion of terrestrial natural areas in the 5 largest cities

By 2028, over 50% of genetic diversity of cultivated plants and farmed and domesticated animals and wild relatives will be conserved or maintained

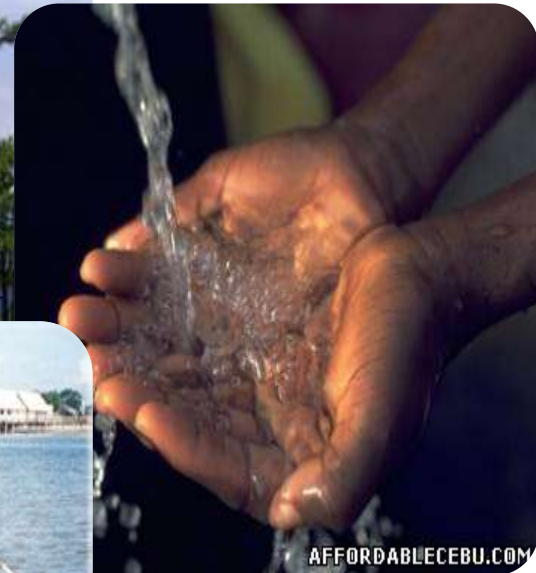
By 2028, the population of migratory bird species identified in selected wetlands along the East-Asian-Australasian Flyway (EAAF) will be maintained



Enhancement of ecosystem services

By 2028, ecosystem services provided by key biodiversity areas are enhanced

By 2028, fish stocks of economically important species maintained



Human well be



Indigenous agriculture:
Sweet Potatoes in the Caraballo

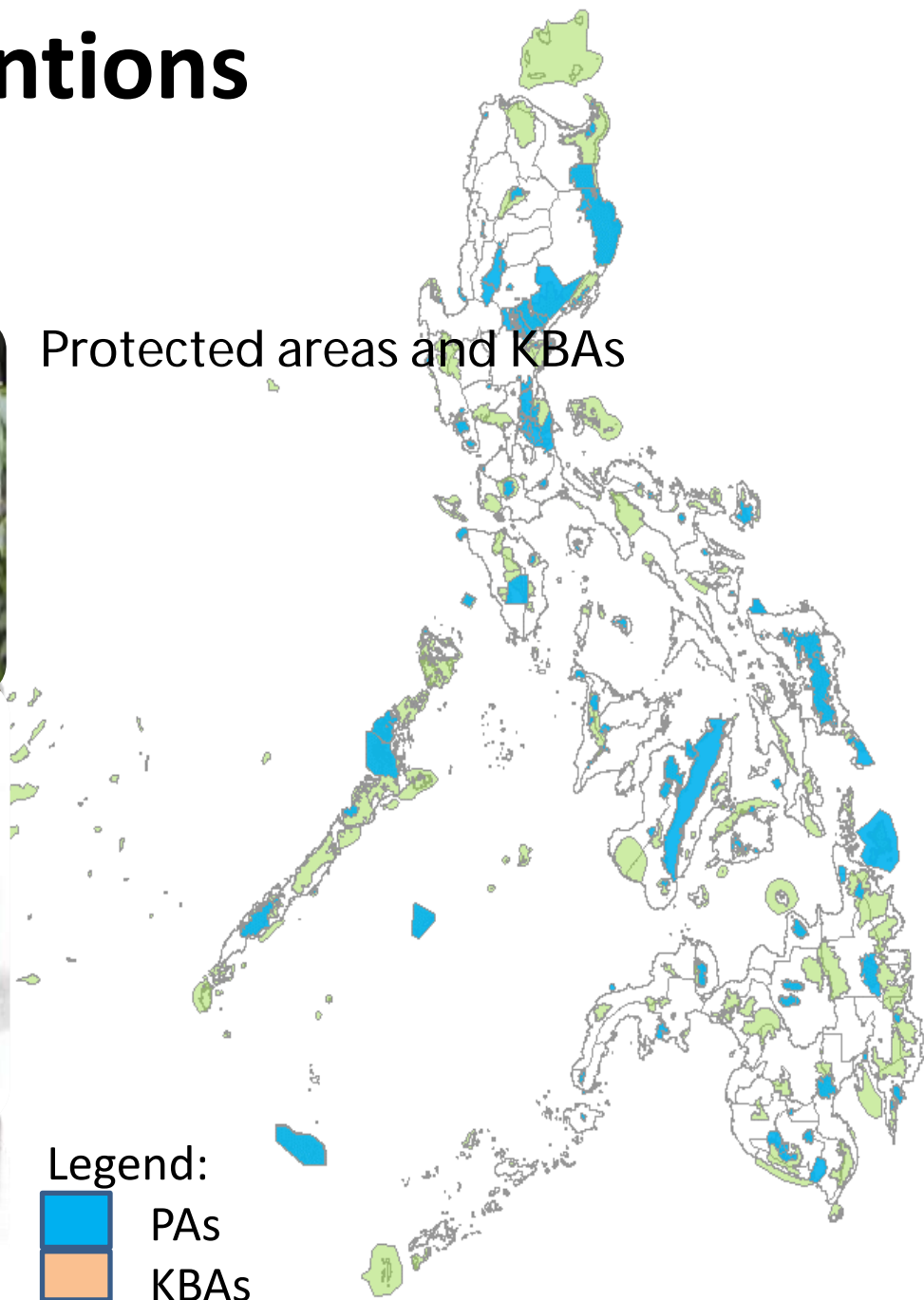


By 2028, there will be
an annual increase of
at least 5% in
biodiversity
conservation related
jobs

Span of interventions on the ground



Protected areas and KBAs



Legend:



PAs

KBAs

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PBSAP Executive Order

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The Biodiversity Finance Initiative (BIOFIN)

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What is BIOFIN?

The project aims to develop a methodology for quantifying the biodiversity finance gap at national level, for improving cost-effectiveness through mainstreaming of biodiversity into national development and sectoral planning and for developing comprehensive national resource mobilizing strategies.



<http://whatsnextph.org/blog/2013/12/the-philippine-hornbills-vanishing-treasures>

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Biofin Countries



Belize, Brazil, Botswana, Bhutan, Chile, Colombia, Costa Rica, Cuba, Ecuador, Fiji, Georgia, Guatemala, India, Indonesia, Kazakhstan, Malaysia, Mexico, Peru, Philippines, Rwanda, Seychelles, South Africa, Thailand, Uganda, Zambia

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Biofin Project Components

Component

1. Policy & Institutional Review
2. Public & Private Expenditure Review
3. PBSAP Costing & Determining Financing Gap
4. Financing Plan

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Policy & Institutional Review

- Looks at policies that have both positive and perverse incentives to biodiversity
- 2 workshops (May 8, 2014; June 19-20, 2014)



Policy & Institutional Review



<http://www.interaksyon.com/article/31956/>

philippines-gets-p20-2m-in-uk-biodiversity-grant-to-preserve-marine-species

- Recommendations have been taken up in the Philippine Biodiversity Strategy & Action Plan (PBSAP)
- PIR process documentation and report provided lessons and insights to the Biofin global methodology

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PBSAP Cost Estimates

Ecosystem / Thematic Area	PhP		USD*		%
	LOW	HIGH	Low	Hlgh	
ECOSYSTEMS					
Forest	65,356,084,522.23	76,907,763,078.23	1,452,357,433.83	1,709,061,401.74	19.34
Coastal and Marine	48,576,116,779.29	56,051,484,392.45	1,079,469,261.76	1,245,588,542.05	14.37
Inland Wetlands	67,205,587,084.22	78,062,500,578.79	1,493,457,490.76	1,734,722,235.08	19.89
Cave and Cave Systems	5,368,174,648.48	7,626,725,163.58	119,292,769.97	169,482,781.41	1.59
THEMATIC AREAS					
Protected Areas	131,641,188,288.46	151,038,853,291.01	2,925,359,739.74	3,356,418,962.02	38.95
Access and Benefit-Sharing	1,437,360,154.05	1,822,595,204.50	31,941,336.76	40,502,115.66	0.43
Agrobiodiversity	11,356,883,887.78	13,091,891,532.39	252,375,197.51	290,930,922.94	3.36
Invasive Alien Species	4,202,653,618.48	4,963,062,630.50	93,392,302.63	110,290,280.68	1.24
Urban Biodiversity	2,795,344,021.98	3,742,528,502.41	62,118,756.04	83,167,300.05	0.83
TOTAL	337,939,393,004.96	393,307,404,373.86	7,509,764,289.00	8,740,164,541.64	100.00

*1 USD = PhP 45.00

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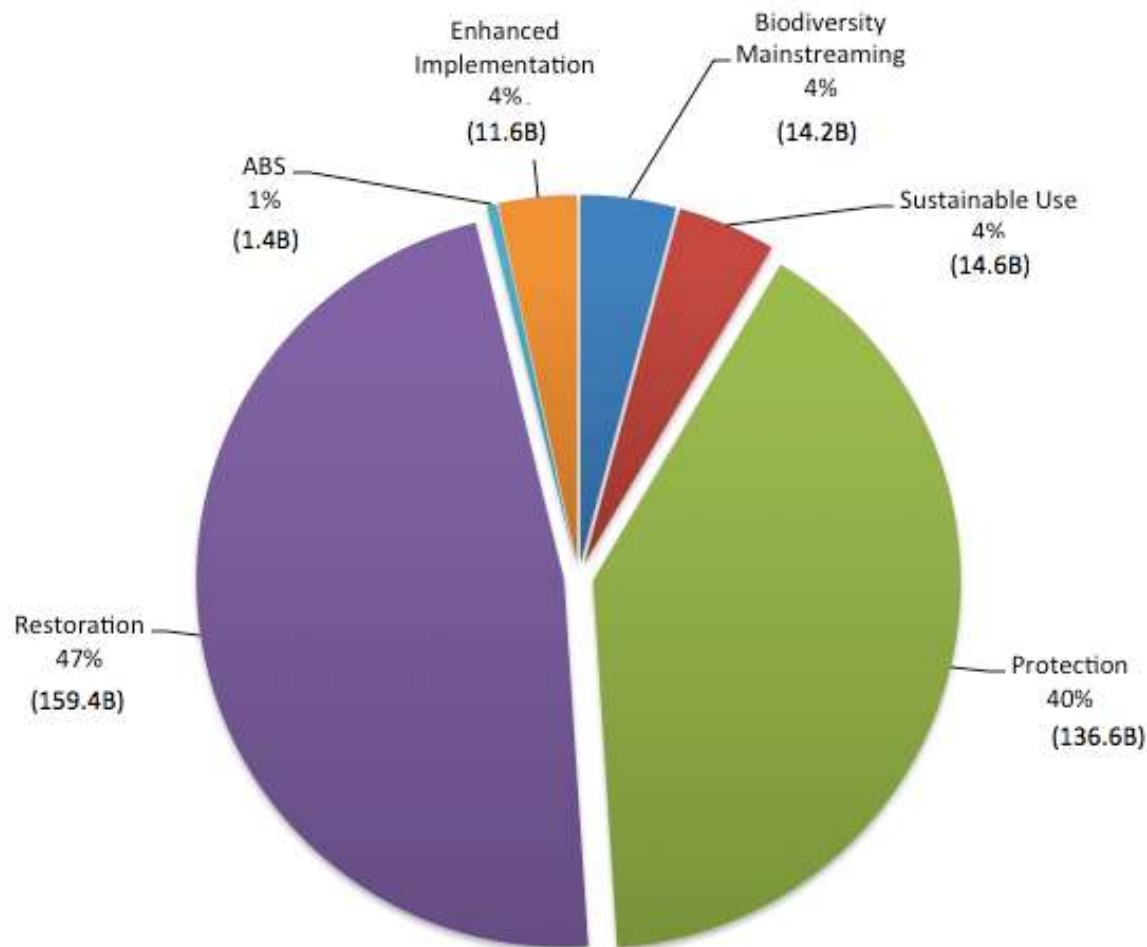
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PBSAP Cost Estimates/Aichi Target/s



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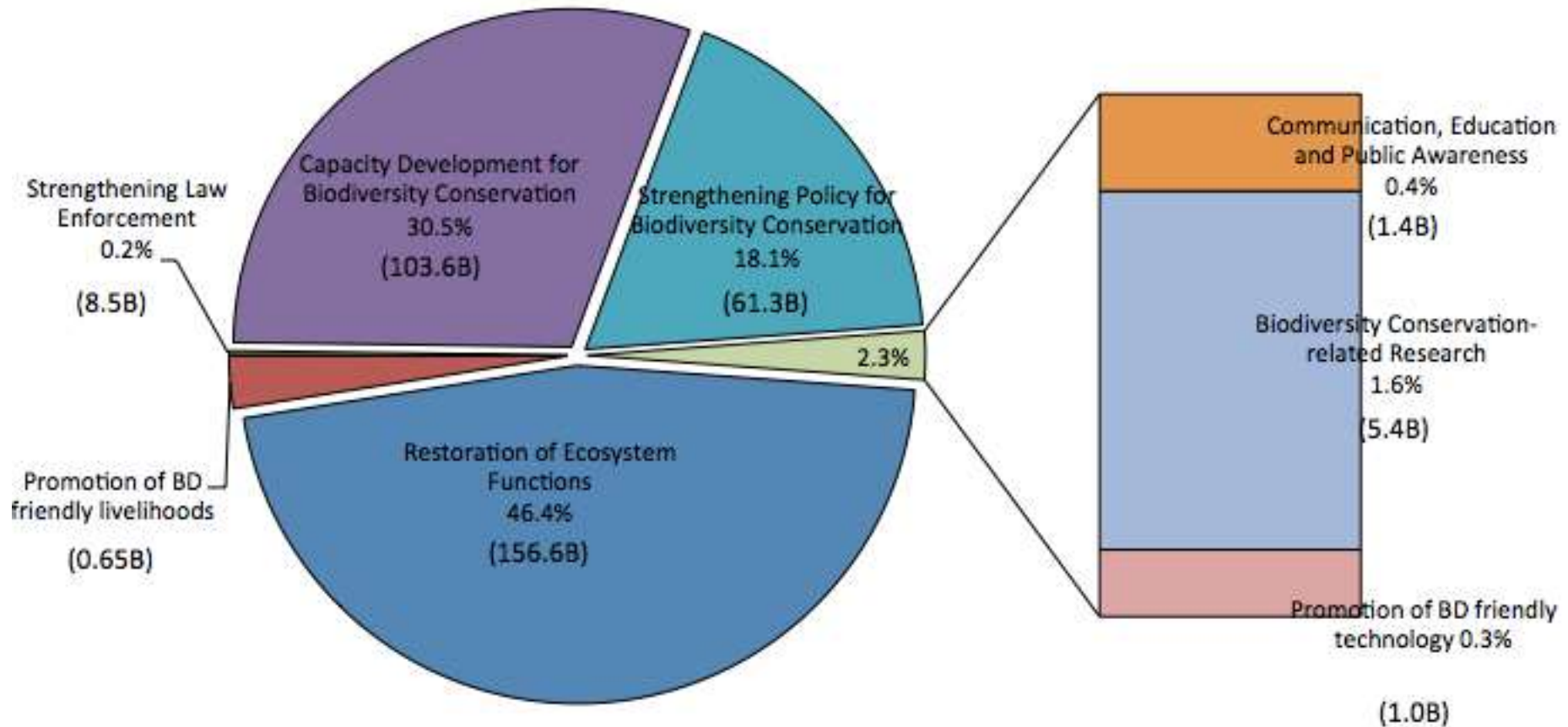
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PBSAP Cost Estimates/Strategy



PBSAP Costing Presentations



Astoria Hotel, January 23, 2015

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PBSAP Costing Presentations



BMB Training Center, March 27, 2015

PBSAP costing process documentation and report provided lessons and insights to the Biofin global methodology

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Public and Private Expenditure Review

To gauge the extent of public and private biodiversity expenditures in the past, and to estimate the likely amount to be expended in the future under a variety of scenarios, including a status quo scenario for the future.



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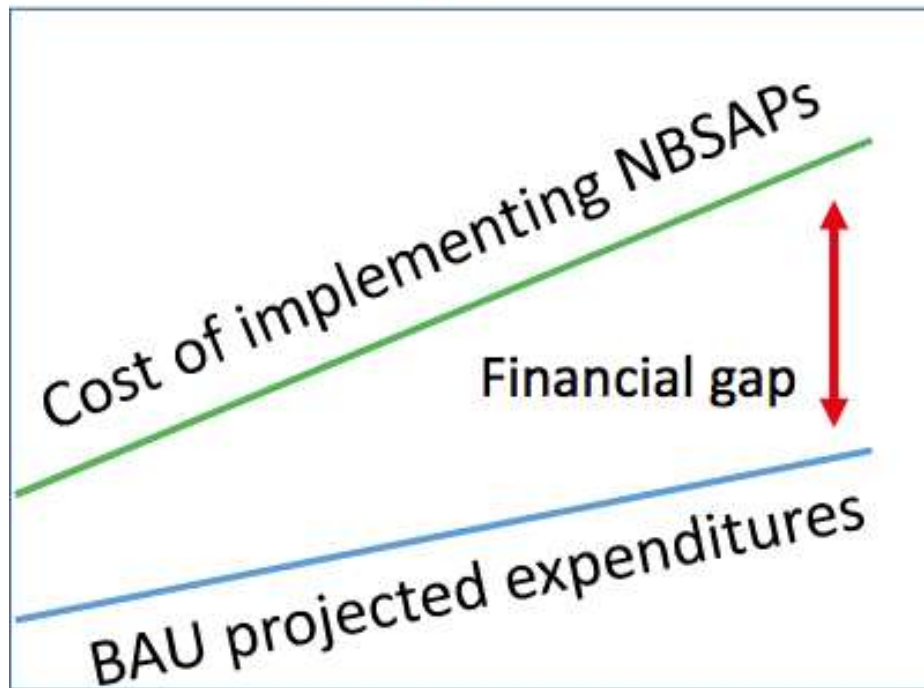
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2b) What is the gap between annual expenditures and the cost of implementing strategies and actions?



Public and Private Expenditure Review



Public & Private Expenditure Review



A presentation on the initial results of the DENR expenditure review was presented last June 15, 2015 to bureaus.

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Financing Plan



2 workshops prioritized PBSAP actions

Financing Plan



- Financing options were provided by Drs. David Meyers and Andrew Seidl from the Global Biofin team

Insights



- Varied levels of understanding/ appreciation for biodiversity even within DENR

Insights

Strong desire for other agencies to contribute to PBSAP, thus, there is a need for BMB to:

- “socialize”, so these agencies can include relevant PBSAP activities in their budgets
- be more inclusive
- organize a formal network
- establish M&E including possibly private sector



Insights



- Other non-traditional agencies can be tapped to fund PBSAP

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