



WAVES

## WEALTH ACCOUNTING AND THE VALUATION OF ECOSYSTEM SERVICES

### Ecosystem accounts in WAVES projects

20<sup>th</sup> London Group Meeting

New Delhi, India

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# What is the role of WAVES?

*WAVES is a global partnership that aims to mainstream Natural Capital in development planning and national economic accounts in support of sustainable development.*



## WAVES aims to...

- 1) Help countries adopt and implement natural capital accounts that are relevant for policies, do policy analysis using the accounts and compile a body of experience;
- 2) Develop ecosystem accounting methodologies;
- 3) Compile evidence of policy application of accounts;
- 4) Establish a global platform for training and knowledge sharing; and
- 5) Build international consensus around natural capital accounting.

## WAVES country work – key components

- 1) Work in our partner countries for a period of 4 years, building capacity and supporting institutionalization of natural capital accounts
- 2) Involve key ministries in steering committee and developing of work plan
- 3) Start with identifying specific policy issues to be addressed



# Core implementing countries



## Progress on developing methodologies

- Field testing ecosystem accounting
- Compiling policy applications
- Training and capacity development in forest ecosystem accounting

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TOGETHER

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# More information

[www.wavespartnership.org](http://www.wavespartnership.org)

WEALTH ACCOUNTING AND THE VALUATION OF ECOSYSTEM SERVICES  
WAVES ANNUAL REPORT 2014



# Ecosystem accounts in WAVES core implementing countries

## Botswana

- Ecosystem accounts to inform National Development Planning
- Support the implementation of ecosystem management plans for areas like Okavango, Chobe and Makgadikgadi
- Discussing to include services like livestock grazing, tourism, wildlife habitat and carbon sequestration

## Colombia

- Land and forest accounts for selected watersheds
- Potentially ecosystem accounts for the Magdalena river basin

## The Philippines

- Ecosystem accounts for Southern Palawan to inform policy on competing land uses
  - Ecosystem services included are e.g. water regulation, crop production, soil erosion prevention, wildlife habitat
- Ecosystem and water accounts for Laguna lake to inform land use planning and water pricing – soil erosion prevention, reduced sedimentation, water provisioning, flood regulation



# The four key policy questions of Phil-WAVES are...

- **National Mineral Accounts:** What is the mineral wealth of the Philippines & how could it be shared equitably & sustainably?
- **Ecosystem accounts in mineral & biodiversity rich land:** What are the social, economic & environmental trade-offs of different resource use scenarios & what are the implications for sustainable management?



## The four key policy questions of Phil-WAVES are...

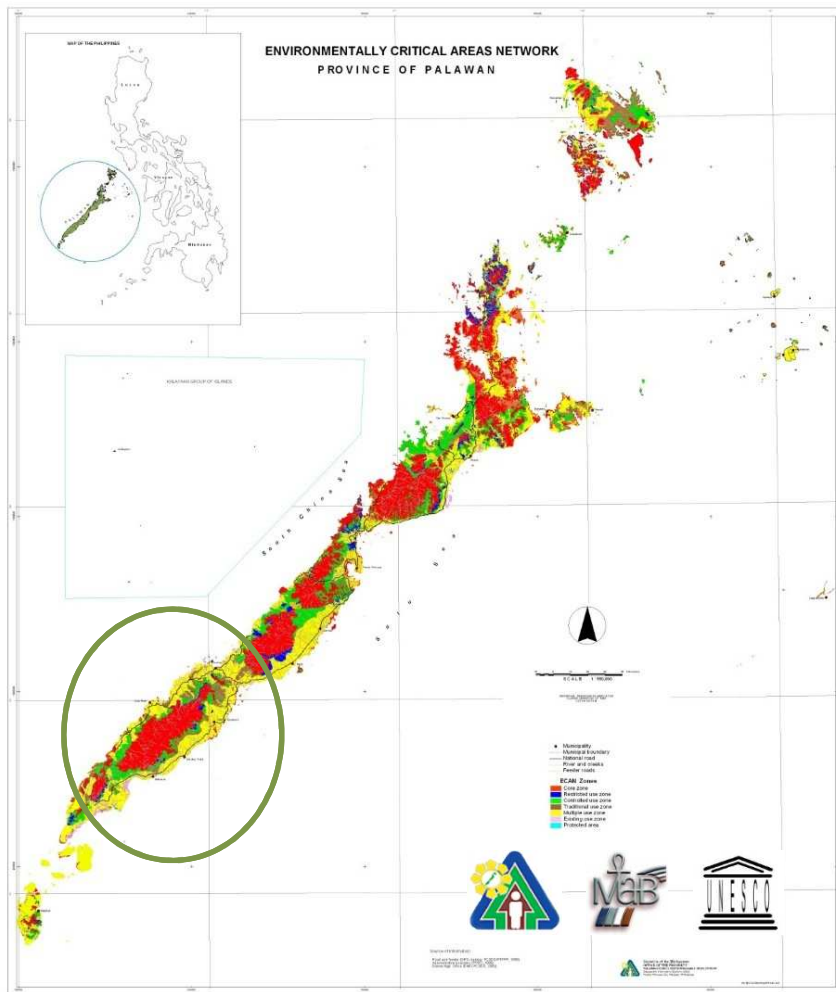
- **National Mangrove Accounts:** What is the value of mangroves & mangrove reforestation? For coastal zone protection? For fisheries & tourism? For REDD+?
- **Ecosystem account for Laguna Lake basin:** How can water pricing capture the value of other competing water uses (e.g. habitat for fisheries, watershed protection, recreation etc.)?





# Ecosystem Accounts in Southern Palawan

## Drivers of Ecosystem Change in Southern Palawan



Global demand for minerals



High demand for cash crops



Population growth



# *Accounts needed*

- Land accounts
- Water accounts
- Ecosystem accounts
- Biodiversity accounts

# *Policy uses of accounts*

## **Enhanced monitoring of tenorial instruments**

compliance to existing policies i.e. mining law, water, wildlife act & solid waste

**Regulation of resource use, i.e. non-timber forest products**

**Zoning** i.e. input to catchment management planning

**Compensation, charges, benefit sharing, PES**



An underwater photograph of a vibrant coral reef. A scuba diver is visible on the left side, swimming towards the reef. The reef is covered in various types of coral, including branching and brain corals, and is populated with numerous small, colorful fish. The water is clear and blue. Overlaid on the image are several semi-transparent numerical values in white and yellow, such as '477.02', '1002.11', '1015.18', '456.20', '488.77', '1157.22', '499.72', '504.22', '622.12', '640.11', '653.67', '656.72', '663.88', '1414.22', '1306.33', '127.11', '139.22', '542.12', '511.11', '426.01', '180.22', '7987.11', and '1886.33'.

**Thank you!**

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