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Philippine Statistics Authority



ADDRESSING SOME CHALLENGES IN MAINSTREAMING BIODIVERSITY MONITORING FRAMEWORK IN THE PHILIPPINES

Vivian R. Ilarina

Assistant National Statistician
Macroeconomic Accounts Service

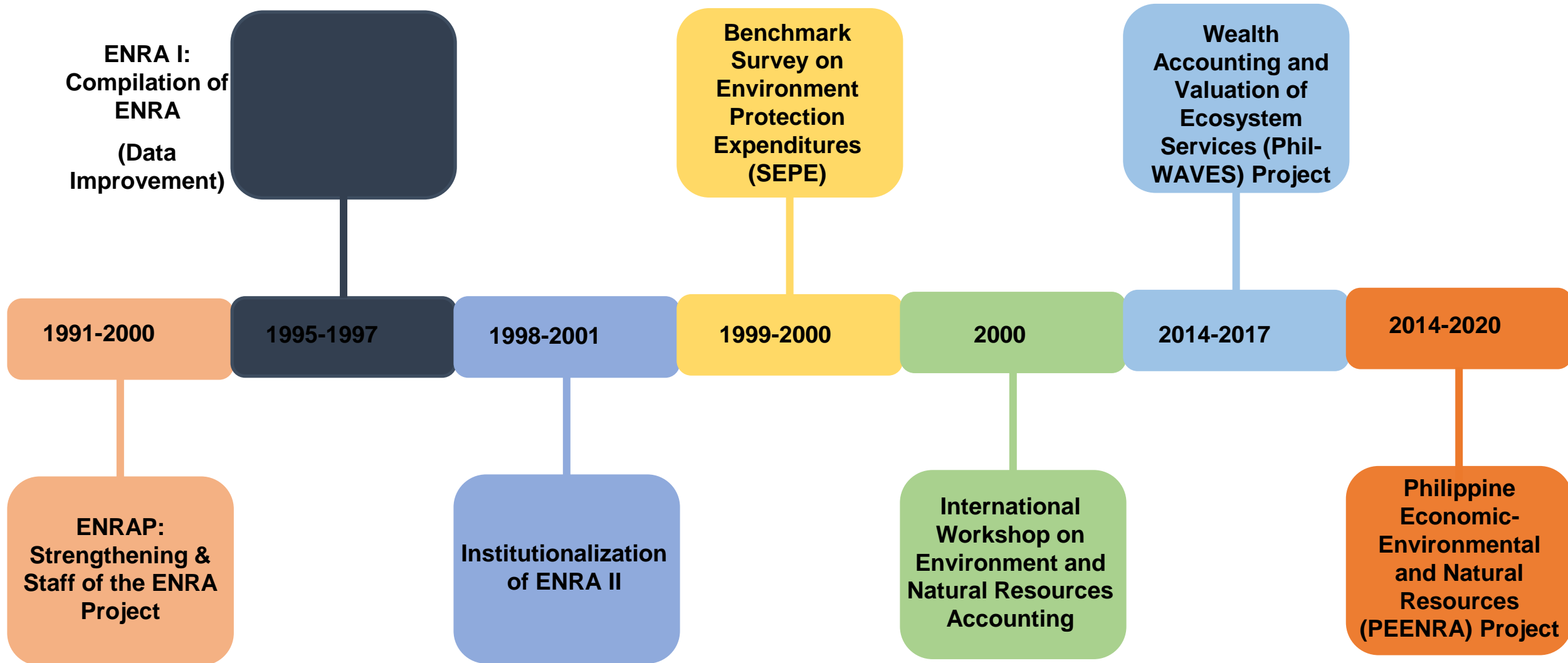
UNSC Side Event on Post-2020 Global Biodiversity Framework
21 February 2022



Outline

- I. Philippine Recent Initiatives on Mainstreaming Biodiversity Framework
- II. Key Challenge and Addressing Them

Philippine Efforts and Initiatives on SEEA



The Natural Capital Accounting Roadmap

The development of the NCA Roadmap was guided by the following key questions:

where are we now in the institutionalization of NCA in the Philippines?

how do we get there?

where do we want to go?

Main objective: to support the incorporation of natural capital accounts in the government system, including national economic accounting systems, as part of development planning and policy- and decision-making processes.

The mainstreaming of natural capital, that is, its integration into policy frameworks and development planning can strengthen policy making for sustainable development

ENRA for Evidence-Based Policy (UNSD-PSA)



HIGH-LEVEL PROJECT LAUNCH

ENVIRONMENTAL-ECONOMIC ACCOUNTING FOR EVIDENCE-BASED POLICY IN THE PHILIPPINES

28 May 2021, 9:00 - 11:30 AM PHT

ABOUT THE PROJECT

The project aims to address the technical and institutional barriers to the establishment of routinely produced environmental-economic accounts. It will focus on: 1) building the institutional framework in support of SEEA implementation, 2) building capacity to compile priority accounts on a regular basis; 3) fostering inter-institutional relationships to promote collaboration and data-sharing; and 4) promoting the effective communication and use of the accounts in supporting evidence-based policy and the SDGs.

ARIES FOR **SEEA**

ARTIFICIAL INTELLIGENCE ECOSYSTEM ACCOUNTING

Implementation of the PSA-UNSD Project titled "Environmental-Economic Accounting for Evidence-Based Policy in the Philippines"

The Project aims to address the technical and institutional barriers to the establishment of routinely produced environmental-economic accounts.

Land Accounts and Ecosystem Extent Accounts at the national level using the Artificial Intelligence for Environment and Sustainability (ARIES) Tool.

What is ARIES for SEEA?

- Tool that uses ARIES technology to compile ecosystem accounts that are consistent with the SEEA Ecosystem Accounting
- Includes land cover accounts consistent with the SEEA Central Framework
- Uses same definitions, classifications, accounting rules as the SEEA
- Can help automate production of maps and tables
- Provides infrastructure for the SEEA community to share and reuse interoperable data and models
- Utilizes freely available global remote-sensing derived data and models
- Can generate accounts for any user-specified terrestrial area in the world
- Rapidly computes these accounts online, using a web browser
- Generates a comprehensive report, fully documenting the data, models, coefficients and methods used



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- 1. Action Plan for ENRA**
- 2. Land Accounts and**
- 3. Land Ecosystem Extent Accounts**

**Using the Artificial Intelligence for Environment
and Sustainability (ARIES) Tool
Under the UNSD Project**

Philippine Ocean Economy Satellite Accounts

Release of the
2012-2018 POESA

2019

2021

Release of the
2018-2020 POESA

In the Philippines, Ocean Economy refers to economic activities, such as the production, distribution and consumption of **goods and services, related to or conducted in, near, or found in the seas.**

Data Sources:



On-going Initiatives on Ecosystem Accounting

Biodiversity Asset Account



- Number of threatened species per conservation status
- Nature of additions and reductions to stocks of threatened species per conservation status
- Population of wild critically endangered species
- List of threatened species per conservation status

Mangrove Ecosystem Account

Data and Data Sources:



Extent: maps of mangrove areas



Carbon stock
Biomass
Carbon sequestration
Stumpage value

Other Initiatives



BIOFIN is working with governments and the private sector to demonstrate how tailored investments and incentives in biodiversity not only protect nature but also create jobs, reduce pandemics, and combat climate change.



Philippines Sustainable Interventions for Biodiversity, Oceans and Landscapes (Sibol) project between USAID and DENR to manage the country's natural resources and combat environmental crimes



National Capital Accounting and Assessment project aims to improve financial sustainability of protected areas and landscapes in the Philippines by mainstreaming the values of biodiversity and natural capital in government planning, especially for eco-tourism development.



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Challenges and Addressing Them!

HOW TO BUILD STRONG PARTNERSHIP AND COLLABORATION AMONG VARIOUS STAKEHOLDERS

Address them through:

- 1. Inter-agencies, TWGs, Task Forces**
- 2. Philippine Statistical Development Program**
- 3. Call for International Agencies for assistance on Biodiversity Framework**



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Address them through:

4. Develop expert within the Statistical Office

5. Better data, concepts, methodologies

Key Messages!

To be able to strengthen the generation of Biodiversity for its regular compilation, the Philippines has yet to advance on:

- **Standard concepts, definitions, classifications, methodologies, etc;**
- **Regular reporting and addressing data gaps and time lags;**
- **Technical capability of compilers and producers of BIODIVERSITY statistics as well as the users of DRRM statistics for policy development; and**
- **Engagements with development partners for technical assistance to address data problems and strengthen technical capacity.**



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Thank you!



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