



# IMPLEMENTING THE SEEA: THE PHILIPPINE EXPERIENCE

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**International Conference**

**“Global Implementation Programme for the SEEA”**

**New York City, 17-19 June 2013**



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## I. The Philippine Statistical System



***Creation of the Philippine Statistical Authority  
a decentralized system that is composed of:***

- **a policy making and coordinating body (NSCB);**
- **a general purpose statistics producing agency (NSO);**
- **a statistical research and training center (SRTC);**  
**and,**
- **all government agencies engaged in the generation of statistical information (BAS & BLES).**



# I. The Philippine Statistical System



## Some Coordination Mechanisms

- **Philippine Statistical Development Program (PSDP)**
- **System of Designated Statistics**
- **InterAgency Committees/Technical Committees/Task Forces/Technical Working Groups**
- **Statistical Survey Review and Clearance system**
- **National Statistics Month**



## II. Philippine Efforts on SEEA



### □ ***ENRAP: the Initiator of Environmental Accounting in the Philippines***

**In 1991, DENR with USAID funding undertook a four-phased, Environmental and Natural Resources Accounting Project (ENRAP)**

*ENRAP Adopted the Peskin Framework*



## II. Philippine Efforts on SEEA



- ❑ ***IEMSD-ENRA (1995): Pilot of the SEEA in the Philippines***
  - NSCB Spearheaded the ENRA component of IEMSD
  - Adopted the UN System of integrated Environmental and Economic Accounting 1993 (SEEA 1993) framework, a satellite account of the SNA
  - Compilation of Assets and Activity Accounts, 1988 - 1994
  - UNDP-funded
  
- ❑ ***ENRA II project (1998): Institutionalization of the Philippine Economic–Environmental and Natural Resources Accounting (PEENRA) System – UNDP funded***
  - Updating of Accounts to 1998
  - Piloting at the subnational levels



## II. Philippine Efforts on SEEA



### *b. Major Achievements of the Philippine ENRA Efforts (under the ENRA Projects)*

#### 1. **Compilation of Asset Accounts at the National Level**

- **Physical and Monetary Estimates (1988 – 1999) for:**
  - **Forest Resources; Rattan; Plantation Forest; Land devoted to Agricultural Uses; Soil Resources;**
  - **Marine & Freshwater Fishery Resources (1985 – 1993)**
  - **Metallic Minerals particularly Gold and Copper;**
  - **Non Metallic Minerals (1988 – 1996) &;**
  - **Water Resources (Surface/Groundwater);**



## II. Philippine Efforts on SEEA



### *Major Achievements of the Philippine ENRA Efforts*

#### **2. Compilation of Accounts on Environmental Degradation caused by Economic activities**

- **Physical and Monetary Accounts (1988 – 1998) for:**
  - **Logging of Dipterocarp and Pine Forest; Upland Palay Farming; Intensive Shrimp Aquaculture; Poultry Industry (chicken); Hog Industry**
  - **Small Scale Gold Mining; Paint Industry; Tuna Industry; Sugar Milling; Cement Industry; Petroleum Industry; Leather Tanning.**
  - **Environmental Protection Services by both Gov't and Private sectors**





## II. Philippine Efforts on SEEA



### *Major Achievements of the Philippine ENRA Efforts*

3. **Piloting of PEENRA at the Regional Level (Cordillera Administrative Region)**
  - **Compilation of Regional Physical and Monetary Assets Accounts (1990 – 1998)**
    - **Forest resources**
    - **Mineral Resources (Gold, Copper and Limestone)**
    - **Land Resources Devoted to Agricultural Uses**
    - **Physical Asset Accounts of Water Resources (Surface Water), 1989 – 1998**
    - **Environmental Degradation due to Cabbage Production, (1988 – 1997)**



## II. Philippine Efforts on SEEA



### *Major Achievements of the Philippine ENRA Efforts*

4. **Piloting of PEENRA at the Provincial Level (Province of Palawan) with the Palawan Council for Sustainable Development Staff as focal agency (PCSDS)**
  - **Compilation of Provincial Physical and Monetary Asset Accounts 1983-1998:**
    - **Marine Fishery**
    - **Forest : Old and Secondary Dipterocarp Forest, Rattan, and Mangrove**
    - **Land Resources devoted to Forest and Agricultural Uses, and Built-up Land**
    - **Mineral Resources: Nickel (ore and metal forms) and Sand & Gravel**
    - **Water Resources: Surface & Groundwater (Physical accounts only, 1988 to 1996)**



## II. Philippine Efforts on SEEA



### *Major Achievements of the Philippine ENRA Efforts*

5. Formulated an advocacy program that conducted information, education and communication campaign
6. Conduct of Data Assessment Workshop paving the way for Improvement of Data Support and Reduction of Data Gaps.
  - Conduct of *The Benchmark Survey on Environmental Protection Expenditures*
7. Formulation of Philippine Framework for Development of Environmental Statistics (PFDES)
8. Compilation of Philippine Compendium of Environmental Statistics (CPES)
9. Issuance of Executive Order No. 406 by President of the Philippines on Institutionalization of PEENRA System



## II. Philippine Efforts on SEEA



### *Implementation Strategies Towards Institutionalization of the PEENRA System*

#### *Institutional:*

- Creation of ad hoc PEENRA units in the NSCB, the DENR and other agencies including a coordinating unit at the NEDA.
- Setting up a strong coordinative mechanism through the Steering Committee (SC) and Inter-Agency Committee (IAC)
- Creation of technical working groups (TWGs) at the national, regional and provincial levels



## II. Philippine Efforts on SEEA



### ***Implementation Strategies Towards Institutionalization of the PEENRA System***

#### **Capability Building**

- Building up on past efforts
- Training courses (formal)
- Workshops and seminars
- Familiarization through field visits

#### **Linkages**

- Mobilizing academe & research institutions for special studies
- Linking up with international efforts
- Dissemination Fora
- Book Launching
- Development of website for the PEENRA



### III. Lessons Learned from Philippine Experience



#### □ *Institutional Framework*

- Executive Order No. 406 (EO 406) and its Implementing Rules and Regulations (IRR), PEENRA SC and IAC provided a venue in threshing out issues for the institutionalization of the PEENRA System
- Institutionalization of PEENRA not sustained due to resource limitation (political will & prioritization)

#### □ *Importance of Support, Commitment And Cooperation Between & Among Implementing Agencies*

- Staff of the environment-related agencies provided strong support and valuable technical inputs on the resources and economic activities covered by the studies and enhanced the understanding of the NSCB technical staff.
- A focal agency to handle expansion efforts in pilot areas.
- Developed into a close coordination mechanism between the NSCB and other agencies



### III. Lessons Learned from Philippine Experience



- ❑ ***Training for capacity building and motivation of staff***
  - different training courses participated in by the NSCB staff on the SNA, SEEA framework and concepts and other related environmental topics helped them gain the skills and knowledge needed in operationalizing the PEENRA
  - on-site visits upgraded the skills and understanding of environmental concerns by the NSCB staff and implementing agencies.
  
- ❑ ***Advocacy Work crucial for public appreciation***
  - Communication plan/campaign should be part and parcel of an institutionalization process.





### c. Promoting Environment Statistics and ENRA

- ❖ ENR web portal (at initial stages)
- ❖ Publication of CPES 2004, 2006 and 2008
  - ✓ Adapted UN Framework for the Development of Environment Statistics
  - ✓ Covers data on: Flora/Fauna; Water; Mineral and Energy; Atmosphere; Land/soil; and, Human Settlements



***CPES 2010 was not published due to resource constraints***





## IV. PEENRA after the ENRA Projects



- ❖ **Updating/Publication of Compendium of Basic ENR Statistics for Operations and Management (CBES-OM) of the Department of Environment and Natural Resources (DENR).**
  - ✓ **Covers admin data on: Forestry; biodiversity; Coastal and Marine; Mines and Geosciences; lands; Environment (air, water waste); Research, Development and Extension; Water; Laguna de Bay; and, Gender and Development**





### □ Institutional

- ✓ Adaption of SEEA 2012 (PSEEA 2012) for PSA Board Approval, 2013
- ✓ Approval by PSA Executive Board of Statistical Framework and Indicator System in Measuring/Monitoring Climate Change and its Impact
- ✓ Creation of *IAC Energy Statistics*, 2014
- ✓ Creation of TWG's on *Biodiversity and Mineral Resources Statistics (newly created)*
- ✓ Creation of PEENRA units in PSA, DENR and NEDA
- ✓ Data quality assessment of DENR and other environment related agencies, 2014
- ✓ Approval of 2nd batch of terms/official concepts and definitions for statistical purposes for ENR sector, Water and Land/soil resources





### □ **Capability Building**

- ✓ Training on SEEA 2012, national and subnational levels including Palawan Council for Sustainable Development staff

### □ **Compilation of ENR Statistics and Accounts**

#### ❖ **Wealth and Ecosystems Accounts**

- ✓ Philippines a pilot country of World Bank's Wealth Accounting and Valuation of Ecosystem Services (WAVES) project
- ✓ Updating of resources accounts using SEEA 2012
- ✓ Piloting of Ecosystem Accounts



## V. Way Forward



- ❖ **Updating of CPES & CBES-OM**
- ❖ **Conduct of HECS (latest is 2011)**
- ❖ **Conduct of Survey on Energy Consumption of Establishments (latest is 2010)**
- ❖ **Publication of State of Environment of the Philippines, 2016**
- ❖ **Compilation of:**
  - ✓ **Mineral Accounts, 2014**
  - ✓ **Mangrove Accounts, 2015**
  - ✓ **Pilot Ecosystem Accounts, 2015;**
  - ✓ **Energy Satellite Accounts, 2016;**
    - ✓ **CAR to Update Mineral, 2015**
    - ✓ **CAR and Palawan to compile mining activity accounts, 2015**





### □ **Advocacy Work**

- ❖ ***Creation of PEENRA units in NSCB, DENR, and NEDA with corresponding budgetary allocation***
- ❖ ***Development of communication plan***
- ❖ ***Presentation of all compiled accounts to IAC and TWG***
- ❖ ***Publication of all compiled accounts***





# Mabuhay and Thank you!

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