



Republic of the Philippines
Philippine Statistics Authority

Philippine Experience: Mainstreaming the SEEA through National Planning

Vivian R. Ilarina

Assistant National Statistician
Philippine Statistics Authority

Closing Regional Workshop for the 9th Tranche Development Account Project
“Supporting Member States in developing and strengthening environment statistics and ENRA
for improved monitoring of sustainable development”

November 28-30, 2017
Alila Hotel, Jakarta Indonesia





Outline

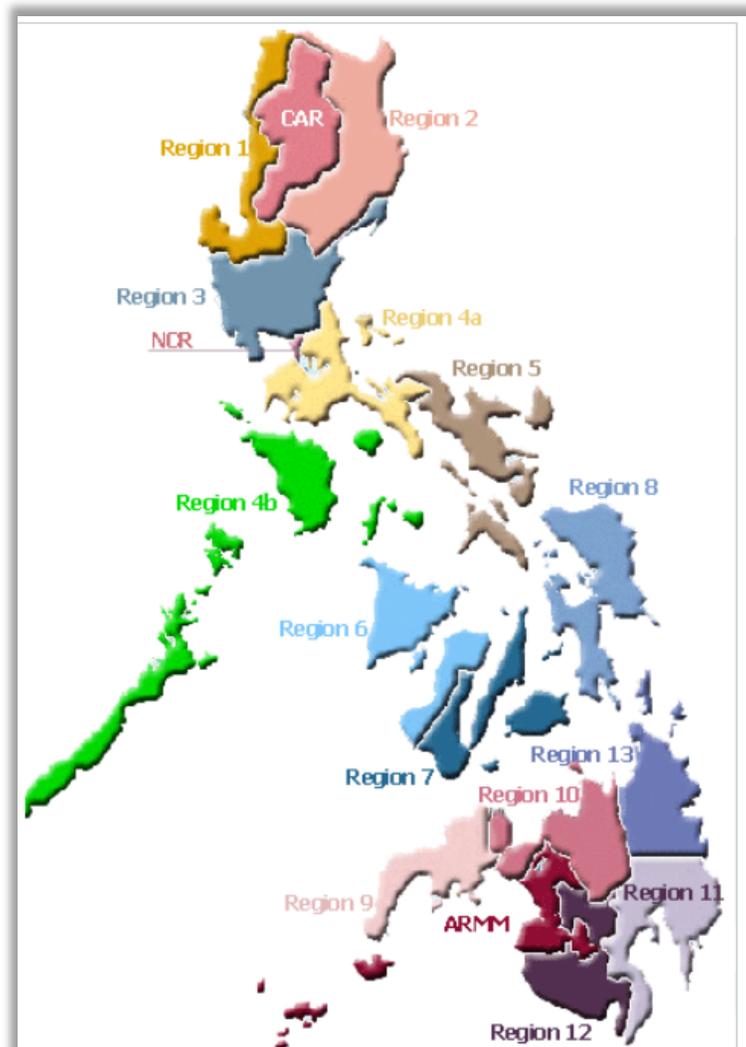
- I. Overview of National Plan
- II. Efforts/Process in Implementating of Environment Statistics & Environmental Accounts
- III. Coordination Mechanisms & Institutions
- IV. Ways Forward





The Philippines:

- * is an archipelago country;
- * composed of 7,641 islands (NAMRIA, Mar 2017);
- * its population is 100.98 million (as of 2015);
- * it has 17 regions & 81 provinces





Republic of the Philippines

Philippine Statistics Authority

The Philippine Statistics Authority (PSA)

- ❑ The PSA was established in **September 12, 2013**, pursuant to **Republic Act No. 10625** known as the *Philippine Act of 2013 (reorganizing the Philippine Statistical System (PSS))*;
- ❑ The PSA is a merger of **4 major statistical agencies** namely:
 - National Statistical Coordination Board (NSCB); and
 - National Statistics Office (NSO)
 - Bureau of Agriculture Statistics (BAS), DA
 - Bureau of Labor and Employment Statistics (*BLES*), *DOLE*



Republic of the Philippines
Philippine Statistics Authority

The Philippine Statistics Authority (PSA)

- The PSA is attached to the **National Economic and Development Authority (NEDA)** for purposes of policy coordination;
- The PSA is composed of the **PSA Board** and offices on **sectoral statistics, censuses & surveys, civil registration & central support and field statistical services.**



Republic of the Philippines
Philippine Statistics Authority

I. Overview of National Plan in Mainstreaming SEEA



In the Philippines, National Plan adopts those embodied in:

- 1. Philippine Development Plan, 2017-2022**
- 2. Ambisyon Natin 2040 (long-term)**
- 3. 10-point Socio-Economic Agenda (2016-2022)**

Including those for ENR particularly the:

- 4. Sectoral priorities of the Department of Environment & Natural Resources and its attached Bureaus.**



5. Including its commitment:

- **Sustainable Development Goals 2030 (SDGs)**
- **Paris Agreement on Climate Change 2015**
- **Other UNSD & ILO initiatives on:**
SEEA, FDES, Green Economy, Green Jobs



In general, National Plans for SEEA Mainstreaming cover:

**Improve/strengthen existing
environment statistics/accounts**

Develop new ENR accounts

Enhance technical capability

Assist decision making process



Specifically, National Plans for SEEA Mainstreaming cover:

1. Full implementation of the accounting framework:

- SEEA 2012 CF & Ecosystem Accounting**
- Comprehensive ENR accounts**
- Comprehensive measures of national wealth (on-going)**



2. Mainstreaming in government's regular budget program

- Provide budget for regular data generation**
- Should be in the General Appropriation's Act**

- Milestones to note!**
 - In 2013 – establishment of ENRA Division in PSA (9 permanent positions & 4 project staff)**

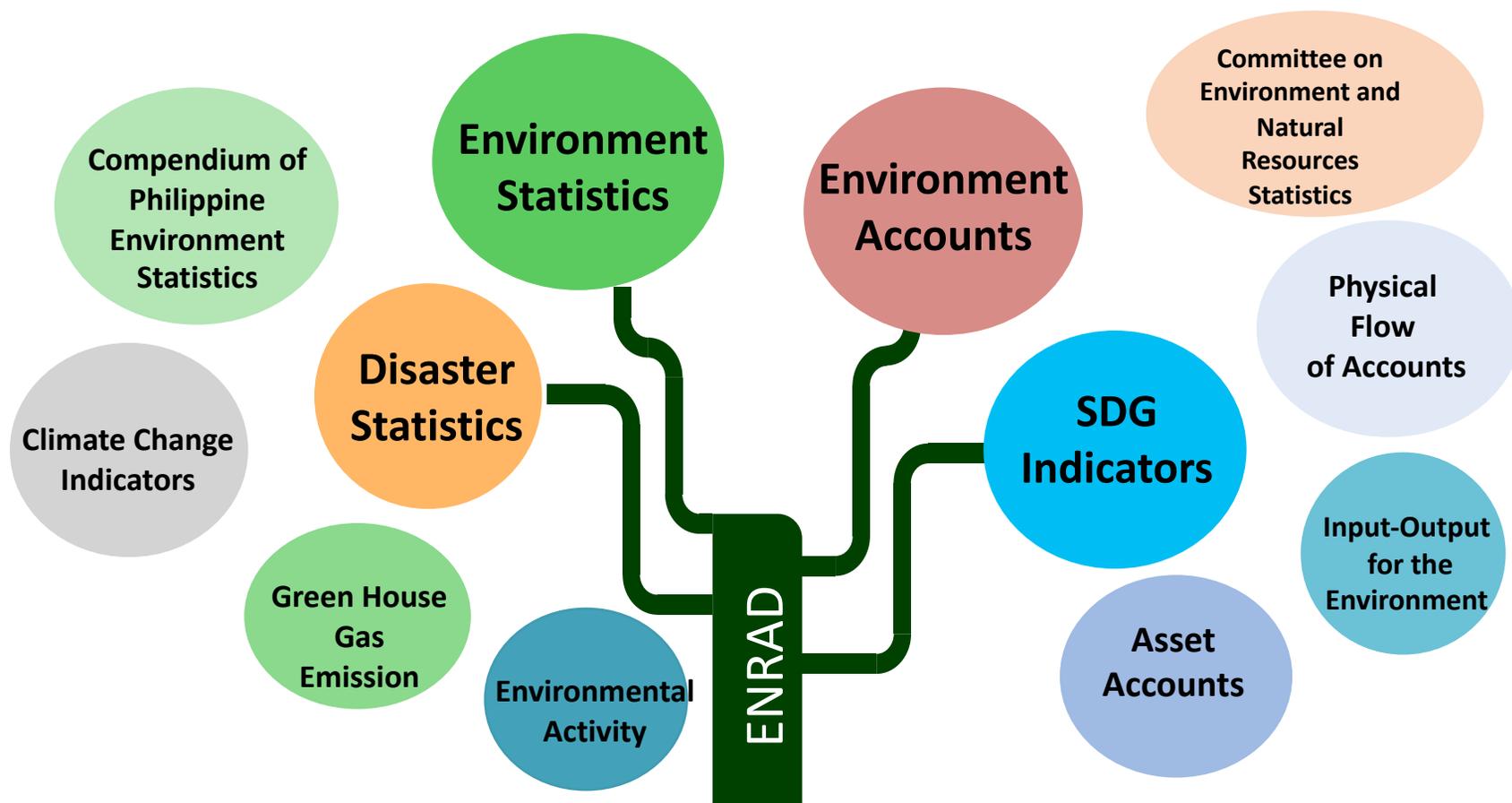


Republic of the Philippines
Philippine Statistics Authority

II. Efforts of the Philippines on Environment Statistics & Environmental Accounts



1. On-going initiatives in the PSA





Republic of the Philippines

Philippine Statistics Authority

2. PSA Coordinative Mechanism

2.1. Interagency Committee on Environment and Natural Resources Statistics (IAC-ENRS)

- **In August 2014, thru PSA Board Resolution No. 4, Series of 2014 – *Establishing the Committees on Statistics of the Philippine Statistics Authority (PSA)*, established 27 committees including the IACENRS.**
- **Thus, in December 2014, thru Memorandum Order No. 8, Series of 2014, the IACENRS was established, its terms of reference and composition were identified.**



2.2. Technical Working Group (TWGs)

Technical Working Groups

TWG on Land & Soil Resources Statistics

TWG on Energy Resources Statistics

TWG on Mineral Resources Statistics

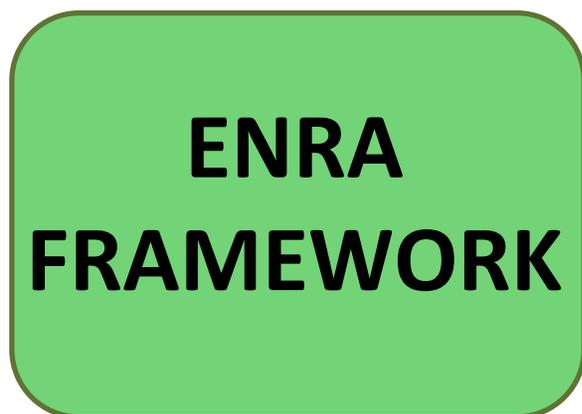
TWG on Water Resources Statistics

TWG on Disaster Statistics



3. Development of Environmental Accounting

3.1. ENRA Project - 1991-2000



Phase 1
March -
December 1991



Phase 3
April 1994 -
March 1996



Phase 2
December 1992 -
March 1994

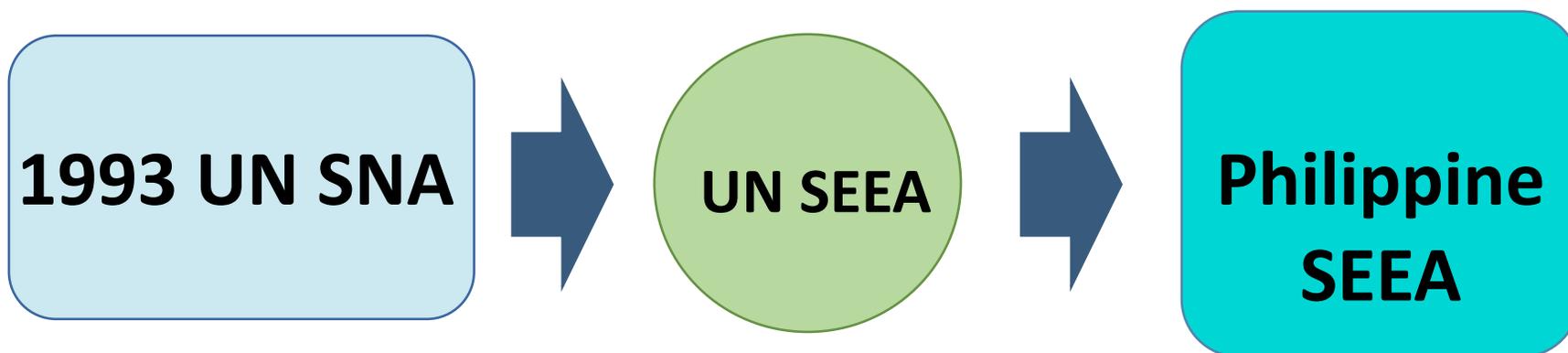


Phase 4
December
1996 - 2000





3.2. Integrated Environmental Management for Sustainable Development (IEMSD) , UNDP 1995-1997





3.2. Coverage of ENRA:

Resource/Assets



Fishery



Minerals



Land/Soil



Forestry



Water

Economic Activity



Transport



Mining



Manufacturing



Energy



Agriculture



Republic of the Philippines
Philippine Statistics Authority

3.3. ENRA II - 1998-2001



Executive Order 406

Institutionalizing the
PEENRA System



Joint Administrative Order No. 1

Implementing Rules and Regulations
(IRR) of Executive Order No. 406

Implementing Agencies



**National
Economic and
Development
Authority**



**National
Statistical
Coordination
Board**



**Department of
Environment and
Natural Resources**



3.4 ENRA Accomplishments:



Publications

- ✓ The Case Study on Fishery, Forest and Mineral Resources: A Compilation of Natural Resources in the Philippines
- ✓ Green Accounting for a Sustainable Economy - Policy Use and Analysis of Environmental Accounts in the Philippines
- ✓ Special Study on Small Scale Gold Mining Activity



ENRA Database



Trainings/Seminars

- ✓ Seminar-Workshop on the Use and Applications of PSEEA
- January 15 - 16, 1998 by Dr. Peter Bartelmus
- ✓ Training on ENRA Framework & Concepts, 1991-2000
- ✓ International Workshop on Environment and Natural Resources Accounting (IWEEA)
- September 18-22, 2000



Benchmark Survey on Environmental Protection Expenditures (SEPE)



3.5. PEENRA Project – 2014 - Present



Land

National



Forest Land

Physical Accounts, 2003-2013



**Energy:
Coal**



Agricultural Land

Physical Accounts, 2003-2013



Water

Subnational: CAR



Forest Land

Physical Accounts 1999-2015

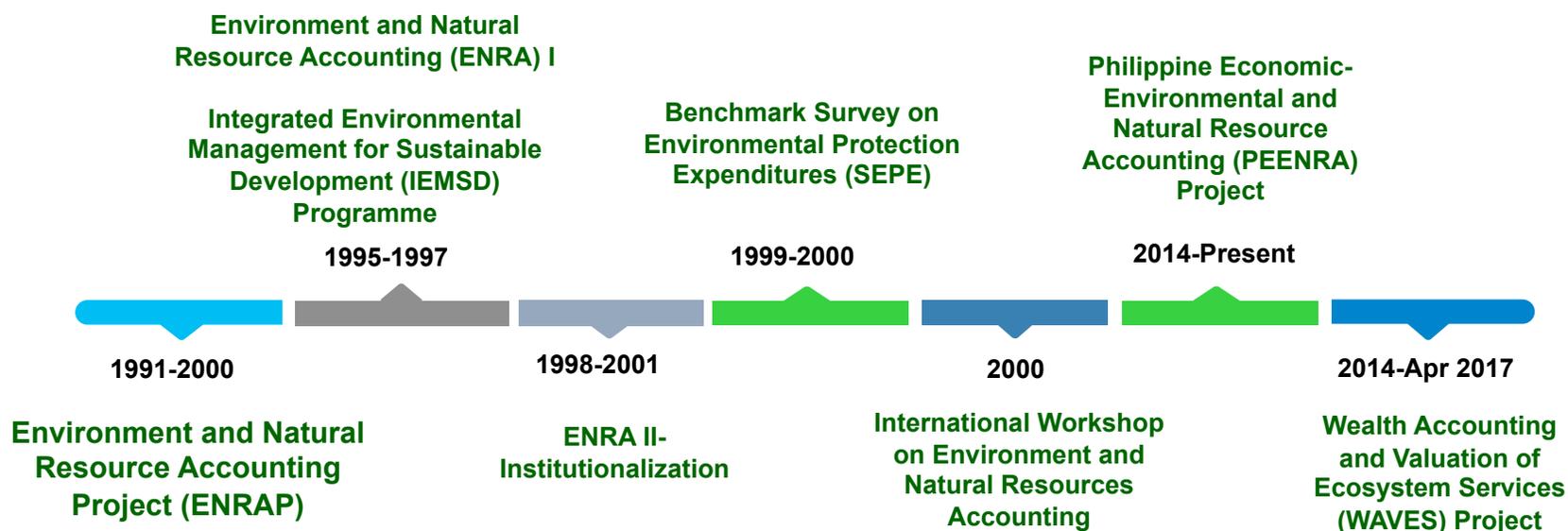


Timber

**Physical & Monetary
Accounts 1999-2015**

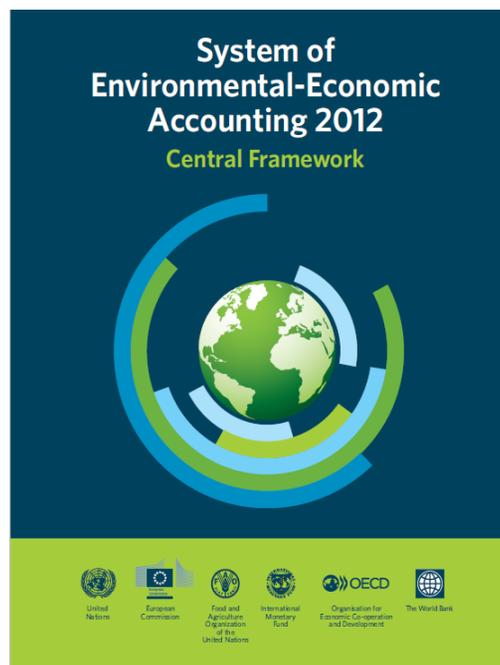


In summary, the Philippines started ENRA/ SEEA in 1991 to present . . .





The Philippines adopts the System of Environmental- Economic Accounting (SEEA)





4.0 Philippine Initiatives under WAVES Project of World Bank



Aims to promote sustainable development



Ensuring natural resources are mainstreamed



Tool for development planning and national economic accounts

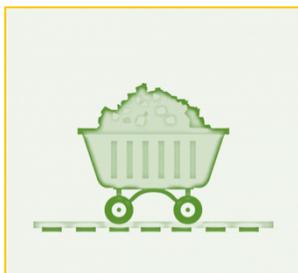
8 Implementing Countries

Botswana	Columbia
Costa Rica	Guatemala
Indonesia	Madagascar
Philippines	Rwanda

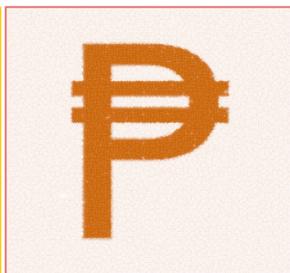
4.1. Accomplishments under WAVES Project

Mineral Resources : ASSET ACCOUNTS & POLICY BRIEF ON THE MINING SECTOR

MINERAL ASSET ACCOUNTS



PHYSICAL



MONETARY



2002 to 2012

FOUR METALLIC MINERALS

GOLD



COPPER



NICKEL



CHROMIUM





Mineral Resources

Data Sources



Mines and Geosciences Bureau

- Declaration of Mining Project Feasibility (DMPF)
- Mining Project Feasibility Study
- MGB Form 29-19
- Exploration Report
- Philippine Mineral Production



Philippine Statistics Authority

- Gross Value Added in Mining and Quarrying
- 2006 Input-Output Table
- Annual Survey on Philippine Business and Industry (ASPBI)
- Census on Philippine Business and Industry (CPBI)



Bangko Sentral ng Pilipinas

- Parameters on financial investments



National Economic and Development Authority

- Discount Rate



Next Steps: for Mineral Accounts

- **Improvement of the generation of the administrative data**
- **Expansion of the coverage of mineral asset accounts**
- **Compilation of mineral accounts at the regional or provincial level**



4.2. Accomplishments under WAVES Project

PILOT ECOSYSTEM ACCOUNTS

SEEA EEA approach at the local levels for pilot provinces/areas in Palawan, Laguna and Quezon.

MANGROVES - QUEZON PROVINCE:

- 1. Valuation of ecosystem goods & services in Pagbilao Mangrove Forest;**
- 2. Mangroves forest inventory and estimation of carbon storage and sedimentation in Pagbilao, Quezon.**

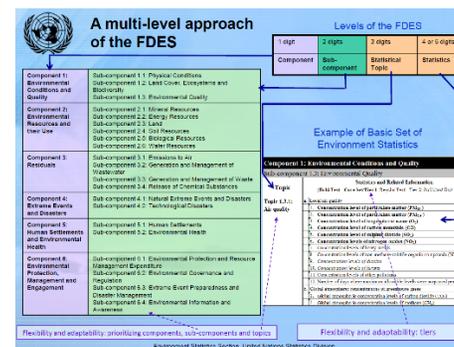
SOUTHERN PALAWAN & LAGUNA DE BAY:

- (1) land accounts, condition accounts, ecosystem services supply and use accounts, and water account for Laguna de Bay; and**
- (2) carbon account for Southern Palawan.**

5. Development of Environment Statistics

Framework for the Development of Environment Statistics (FDES) 2013

- Describes the scope and components of environment statistics; harmonizes data with common standards.
- UN Statistical Commission endorsed revised FDES (2013):
 - Recognizing its importance to *2030 Agenda for Sustainable Development*
 - Adds core set of environment statistics & *links to SEEA*





5.1. Framework for the Development of Environment Statistics (FDES) 2013

2000 - The Philippines came out with the first edition of the Compendium of the Philippine Environment Statistics (CPES)

Then,

2004 CPES

2008 CPES

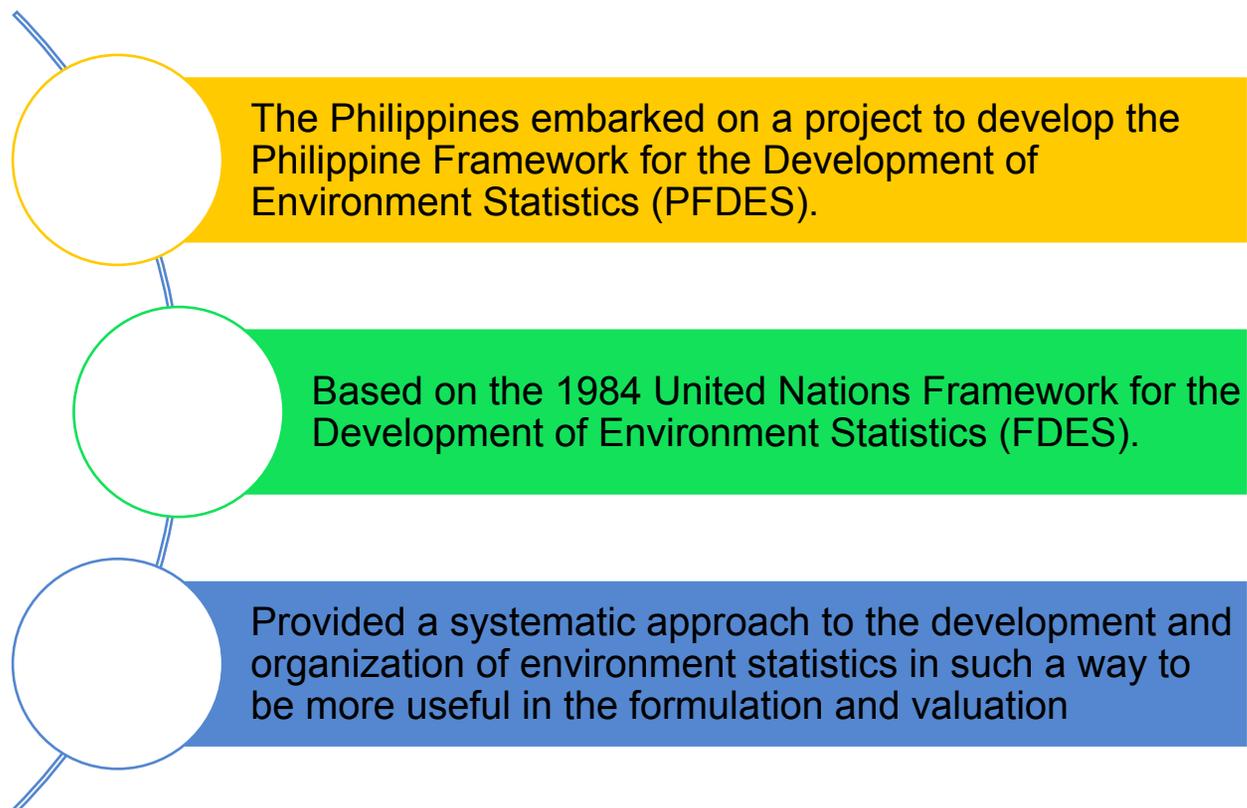
2014 CPES

2016 CPES (on-going)





5.2. Philippine FDES Components





5.3. Philippine FDES Indicators

Environmental Conditions and Quality

Environmental Resources and Their Uses

Residuals

Extreme Events and Disasters

Human Settlements and Environmental Health

Environment protection, management and engagement

100

Tier 1
Statistics
(Core set)

200

Tier 2
statistics

158

Tier 3
statistics



5.4 OTHER TRAINING-WORKSHOP ON FDES

Training at national and sub-national levels

Conducted in 7 regions in 2015-2016; 3 in 2018

Participants are data producers & users of FDES

Training supported by UNESCAP

Train on Compilation of Regional Indicators on FDES



Republic of the Philippines
Philippine Statistics Authority

III. Coordination Mechanisms and Institutions



1. Institutions

- Philippine Statistics Board (PSA Board)**
- Philippine Statistical System (PSS)**
- Philippine Statistics Authority (compiler)**
- Philippine Statistical Development Program (PSDP) ,2018-2023
(w/ the Chapter Environment**
- Inter-agency committee on ENR Statistics
& 5 technical working groups on land &
soil, water, energy, forest, minerals &
disaster statistics**



Republic of the Philippines

Philippine Statistics Authority

2. Other Coordination mechanisms

- **Designated Statistics (Executive Order 352)**
- **Statistical Survey and Clearance System**
- **Regional Statistics Committee Summit**
- **Bilateral meetings; Producers' Forum, Users' Fora**
- **International Conferences, e.g. ICSDGs- Oct 2017**
- **Statistics Month – every October**
- **National Conventions on Statistics – every 3 years**
- **ASEAN Statistics Summit (2017, Philippines as Chair)**



3. Other Specific Activities for 2018

ACTIVITIES	SPECIFIC DATE
1. 2nd Country Workshop on Big Data for Official Statistics	June 21-22
2. 1st Country Workshop on citizen-generated data for official statistics	July 26-27
3. 2nd Seminar on Administrative Data and Registers	August 29-31
3. 1st Philippine Data Festival	October 10-12



Republic of the Philippines
Philippine Statistics Authority

IV. Ways Forward

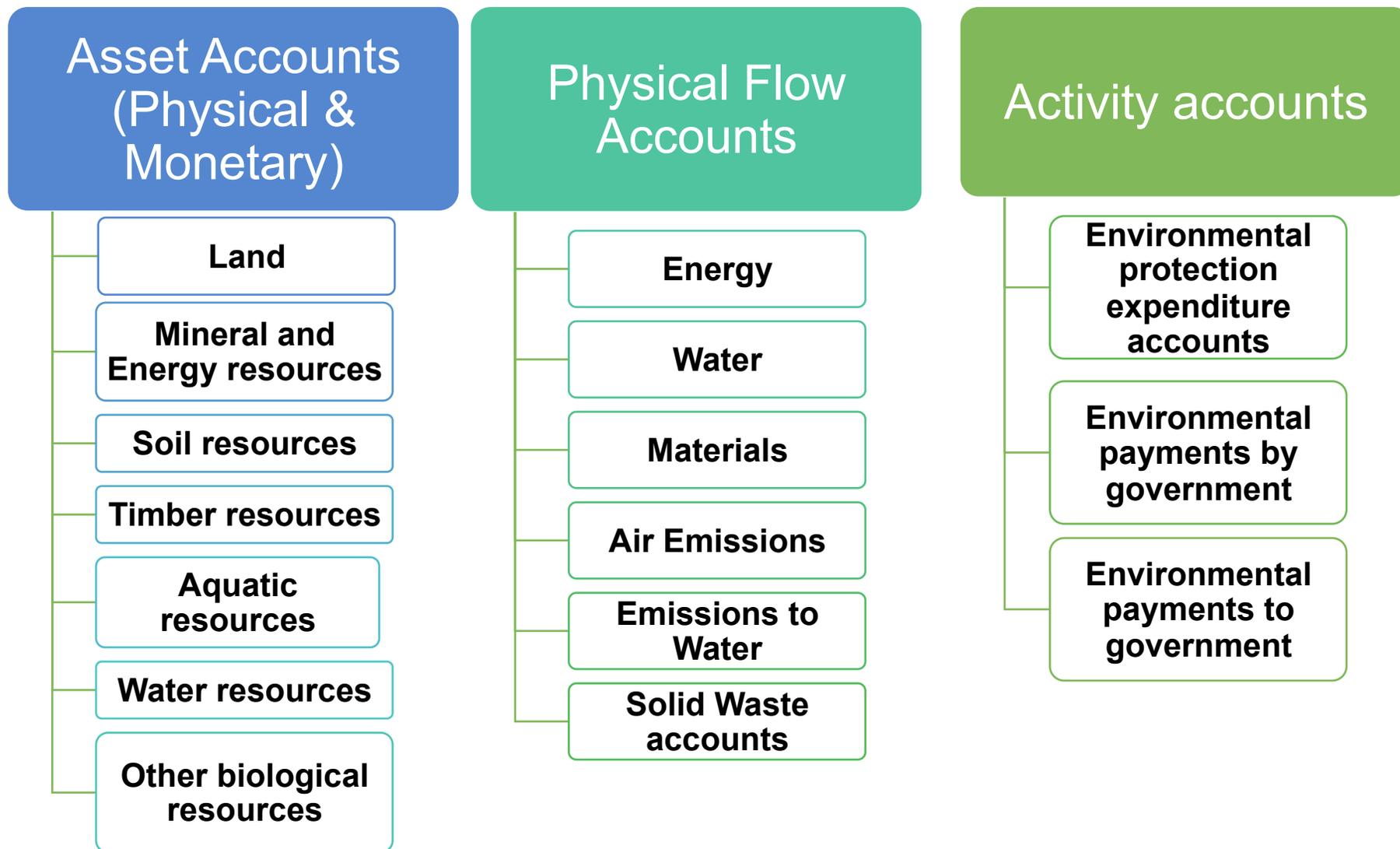


1. Activities (2017-2020)

- Consultation forum-DENR & other users**
- Capacity building – SEEA, Ecosystem, FDES**
- Compilation of ENR Indicators**
including environmental protection services
- Updates of ENR accounts**
- Expansion of accounts – other resources**
- Subnational accounts including ecosystem**



2. Expansion of Accounts, 2017-2020





Republic of the Philippines
Philippine Statistics Authority



<http://www.psa.gov.ph>



/PhilStatAuthority



@PSAgovph

