Outline of Presentation

I. The Roles of the PSA in Support of the Phil SEEA

II. Milestones of Phil SEEA

III. Major Accomplishments & Current Initiatives

IV. Key Lessons Learned

I.The Roles of PSA in Support of Phil SEEA

Republic Act 10625 of 2013 mandates the PSA to:

• Generate & maintain frameworks on social, economic, environmental accounts including satellite accounts;

• Coordinate the Philippine Statistical System; PSA Board, IACs

• Spearhead the Indicators for Sustainable Development Goals;

• Formulate the Philippine Statistical Development Program.

PSA is also mandated to:
• Generate data from censuses, surveys, other admin based data
• Administer Philippine National Identification System
• Deliver Civil Registration functions

The Philippine ENRA provides the mechanisms to support the goals in the Philippine Development Plan :: Ensuring Ecological integrity and a Clean and Healthy Environment (PDP 2017-2022)

Philippine Development Plan 2017-2022

Sustainable Development Agenda 2030

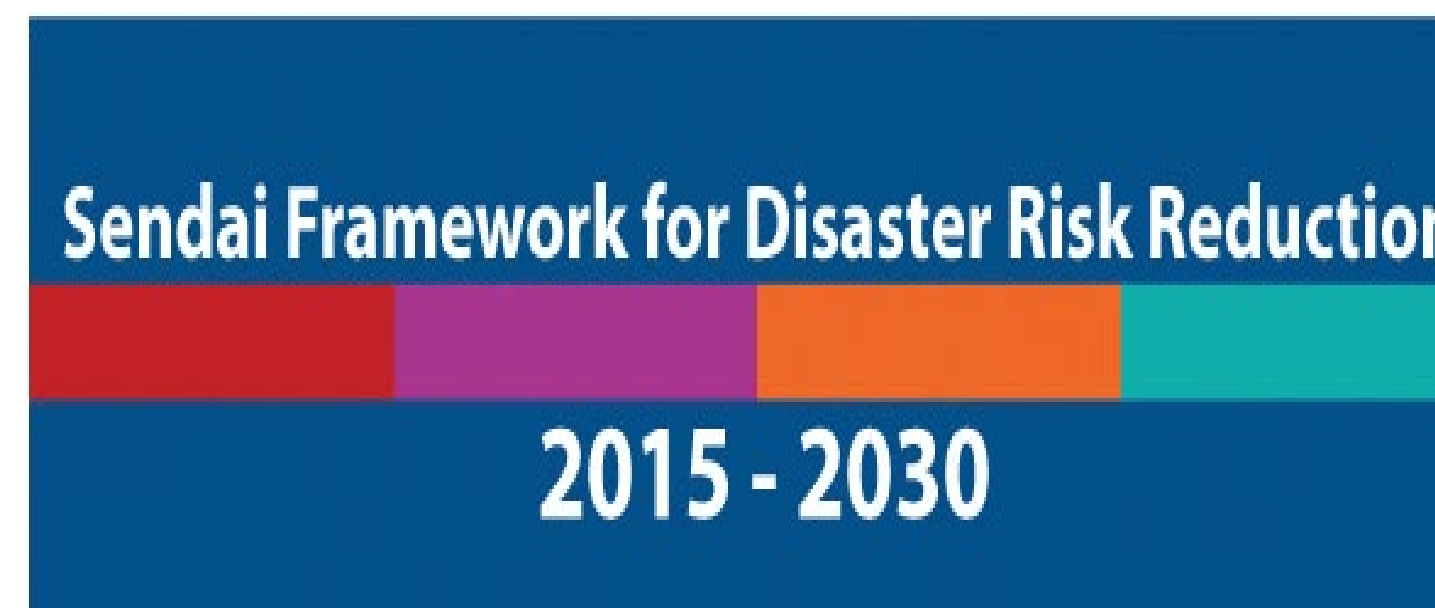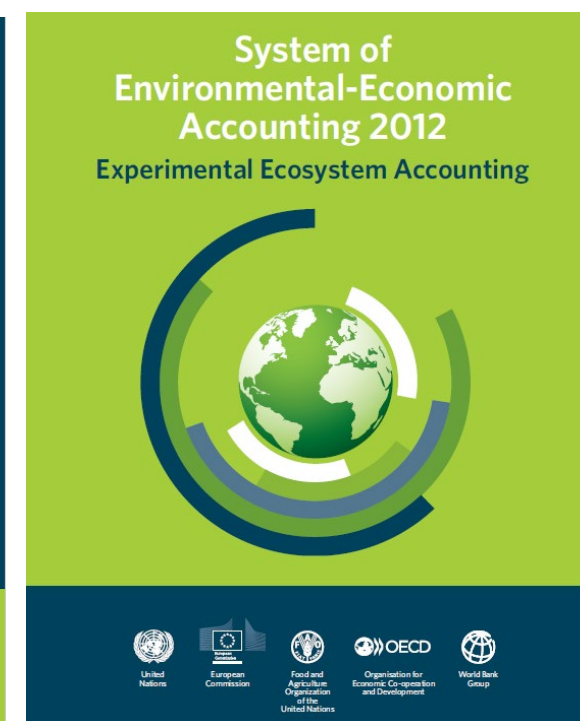**Ambisyon Natin 2040**

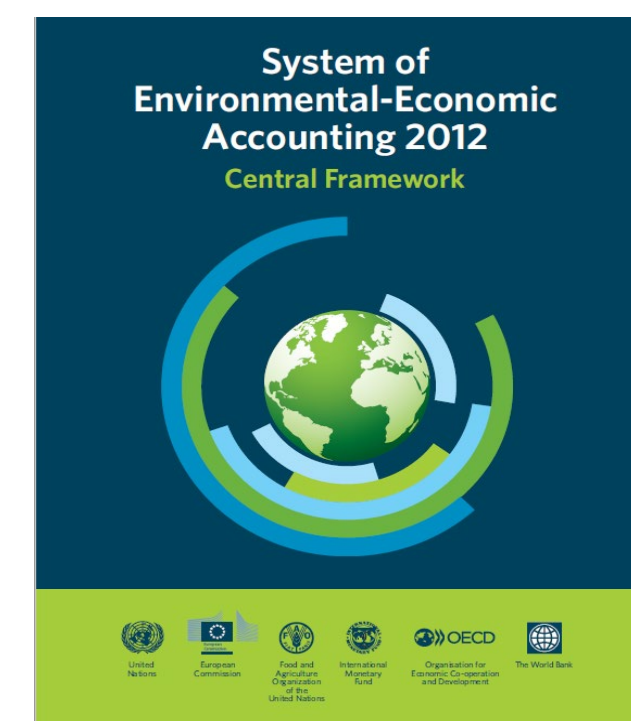**Ambisyon Natin 2040**
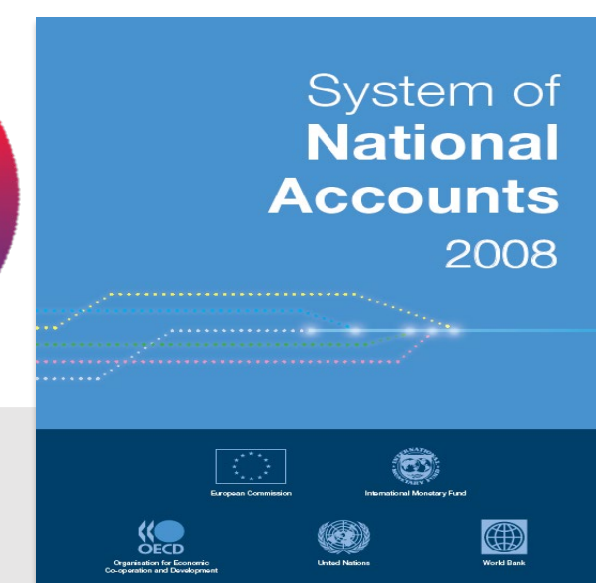
10-point Socio-Economic Agenda

Paris Agreement on Climate Change

System of Environmental-Economic Accounting (SEEA)

FDES

II. Milestones of Philippine SEEA

1 — **1991-2000**
ENRAP Environment and Natural Resource Accounting Project

2 — ENRA I Integrated Environmental Management for Sustainable Development (IEMSDI)
1995-1997

3 — **1998-2001**
ENRA II Institutionalization of PEENRA

4 — Benchmark Survey on Environmental Protection Expenditure (SEPE)
1999-2000

5 — **2000**
International Workshop on Environment and Natural Resources Accounting

6 — Wealth Accounting and Valuation of Ecosystem Services (WAVES) Project
2014-Apr 2017

7 — **2017-2020**
Philippine Economic-Environmental and Natural Resource Accounting (PEENRA) Project

III. Major Accomplishments

1 **Environmental and Natural Resources Accounting Project (ENRAP), 1991-2000**
- USAID Project under the ENRAP & DENR
- Capacity building of compilers of ENRA & data producers
- ENRA and special studies for the development of database for environmental accounting

2 **Integrated Environmental Management for Sustainable Development (IEMSD)-ENRA I, 1991-2000**
- UNDP Country Programme under the DENR
- UN SEEA 1993 Framework;   ENRA Component by NSCB
- Capacity building
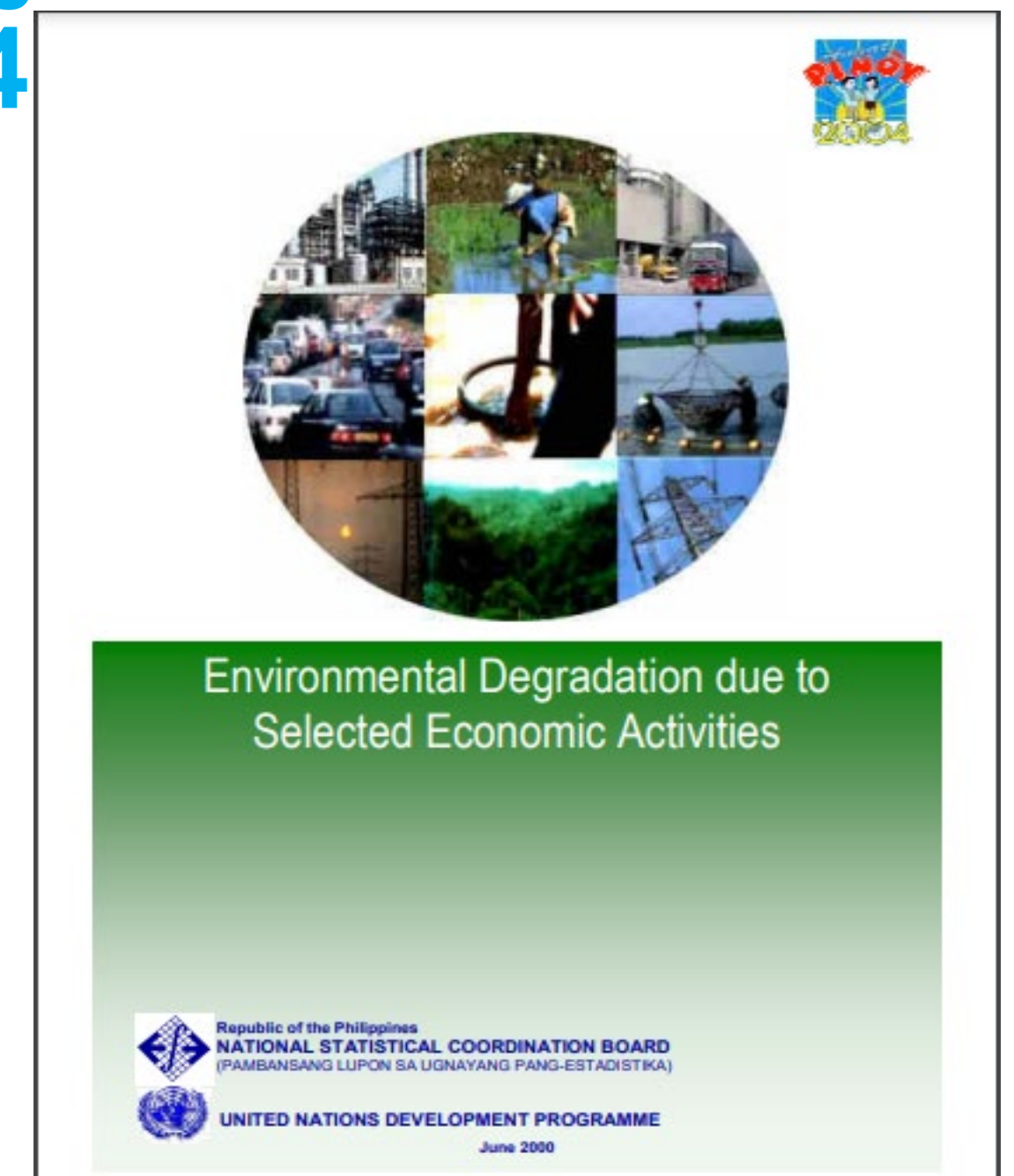
III. Major Accomplishments

ENR Accounts Compiled under the ENRAP and the IEMSD-ENRA I:

I. Environmental Resource/ Assets, Physical & Monetary, 1988-1994

- **Fishery** (Marine and Freshwater)
  - **Minerals** (Metallic, Gold and Copper; Non-Metallic-Limestones)
  - **Land and Soil** (Land devoted to agricultural uses; Soil)
  - **Forestry** (Rattan, Plantation Forest)
  - **Water** (Surface Water and Ground water)

II. Environmental Accounts: Economic Activity, Physical & Monetary, 1988-1994

- **Transportation**
- **Mining**
- **Manufacturing**
- **Energy**
- **Agriculture**

Environmental Degradation due to Selected Economic Activities

Republic of the Philippines
NATIONAL STATISTICAL COORDINATION BOARD
(PAMBANSANG LUPON SA UGNAYANG PANG-ESTADISTIKA)

UNITED NATIONS DEVELOPMENT PROGRAMME

June 2000

III. Major Accomplishments

3 **ENRA II : Institutionalization of the Philippine Economic-Environmental and Natural Resource Accounting (PEENRA),1998-2001**

ENR Accounts Compiled

- **National level**
- **Regional level**
  - CAR: Asset Accounts and Eco Activity Account
  - Region VII: Asset Accounts
- **Provincial level**
  - Palawan: Physical and Monetary Asset Accounts

TECHNICAL REPORT
series of 2018, no. 1

ASSET ACCOUNTS
FOR COAL
OF THE PHILIPPINES

PROGRESS REPORT
series of 2018, no. 2

LAND ASSET ACCOUNTS
FOR TREE-COVERED AREAS
OF THE PHILIPPINES

PROGRESS REPORT
series of 2018, no. 1

DEVELOPING THE
WATER ACCOUNTS AND
MATERIAL FLOW ACCOUNTS
OF THE PHILIPPINES

TECHNICAL REPORT
series of 2018, no. 2

ACCOUNTS FOR
NATURAL GAS
CONDENSATE
PHILIPPINES

III. Major Accomplishments

3 **ENRA II : Institutionalization of the Philippine Economic-Environmental and Natural Resource Accounting (PEENRA),1998-2001**

4 •*Benchmark Survey on Environmental Protection Expenditures, 1998*

5 •International Workshop on SEEA in the Philippines, 2000
•Executive Order 406 – Institutionalizing the PEENRA
•Joint Administrative Order – IRR of EO 406
•ENRA Databases
•Updating and Expansion of Environmental Accounts

III. Major Accomplishments

6 **Philippine Wealth Accounting & Valuation of Ecosystem Services (WAVES) Project, 2014 to April 2017**
- Project funded by World Bank by PSA w/ NEDA
- Project Steering Committee on PEENRA

ENR Accounts Compiled
- Mineral Asset Accounts
- Ecosystem Accounts – Mangrove, Laguna Lake, Palawan
- Macroeconomic indicators to cover natural resources
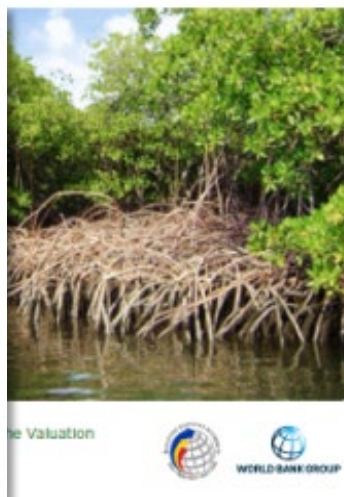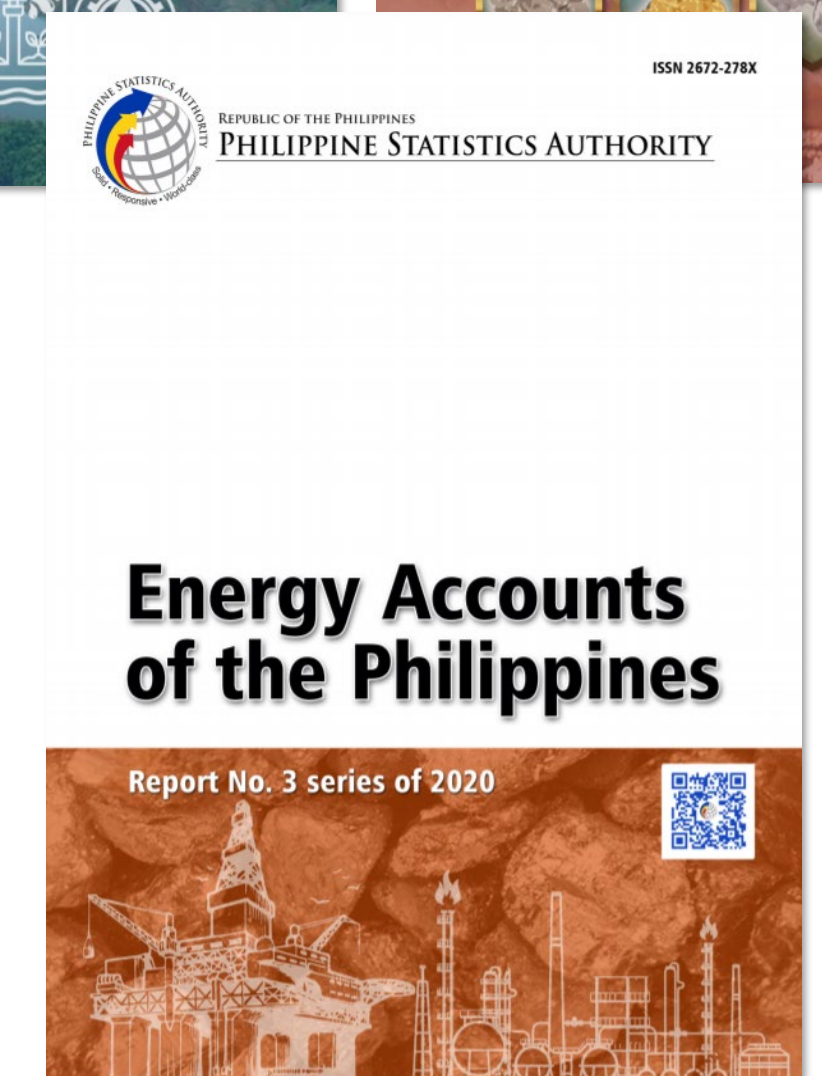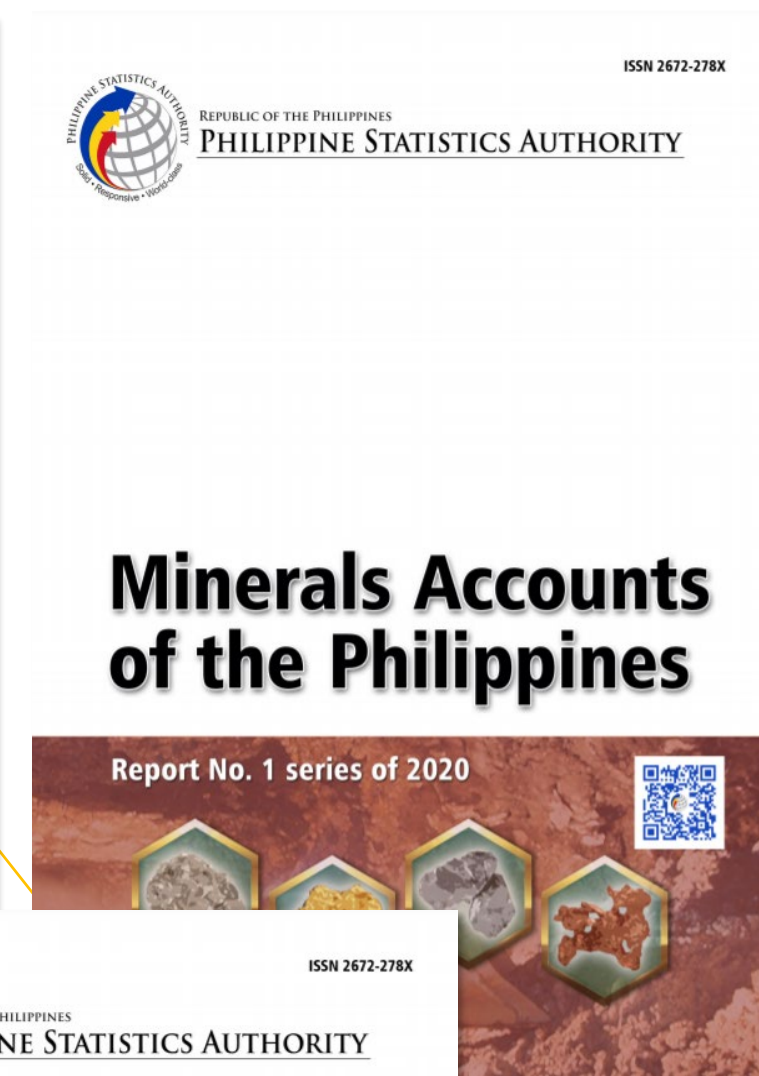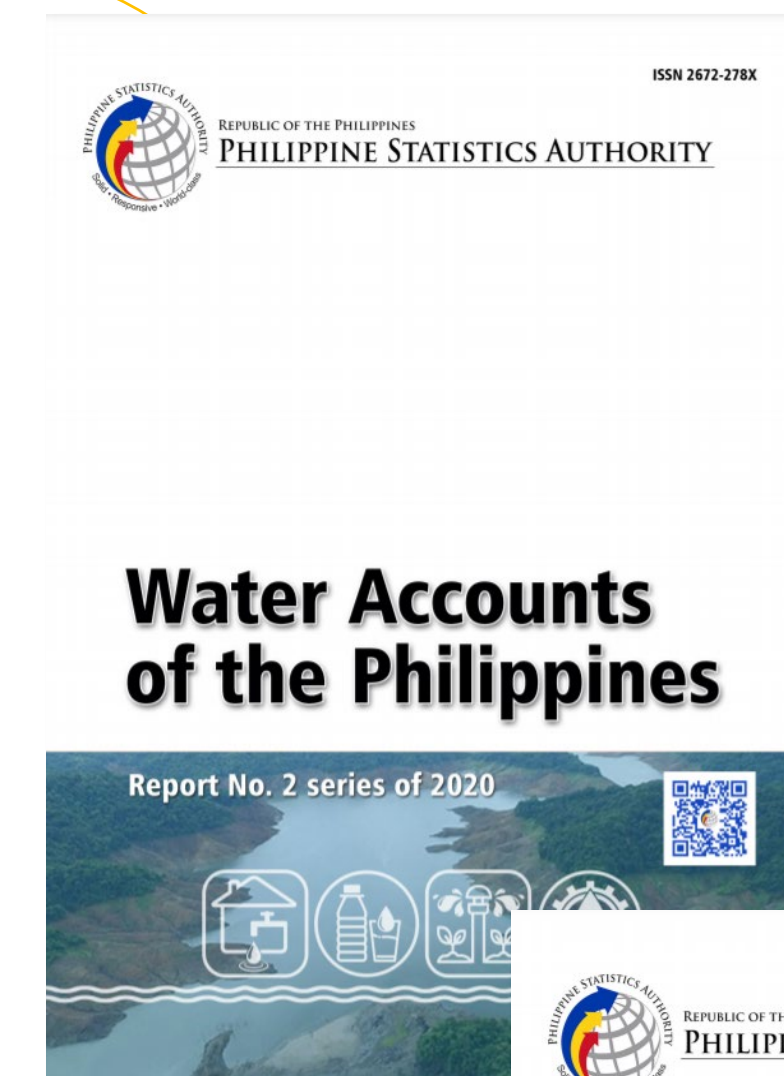
III. Major Accomplishments

7 **Philippine Economic-Environmental and Natural Resources Accounting, 2014-2020**

ENR Accounts Compiled:
 minerals, energy, water, land, material flow

Regional Environmental Accounts / Statistics
- Accounts - (CAR, Central Luzon, Caraga Regions)
- Statistics - Bicol, CAR Regions

III. Major Accomplishments

7 **Philippine Economic-Environmental and Natural Resources Accounting, 2014-2020**
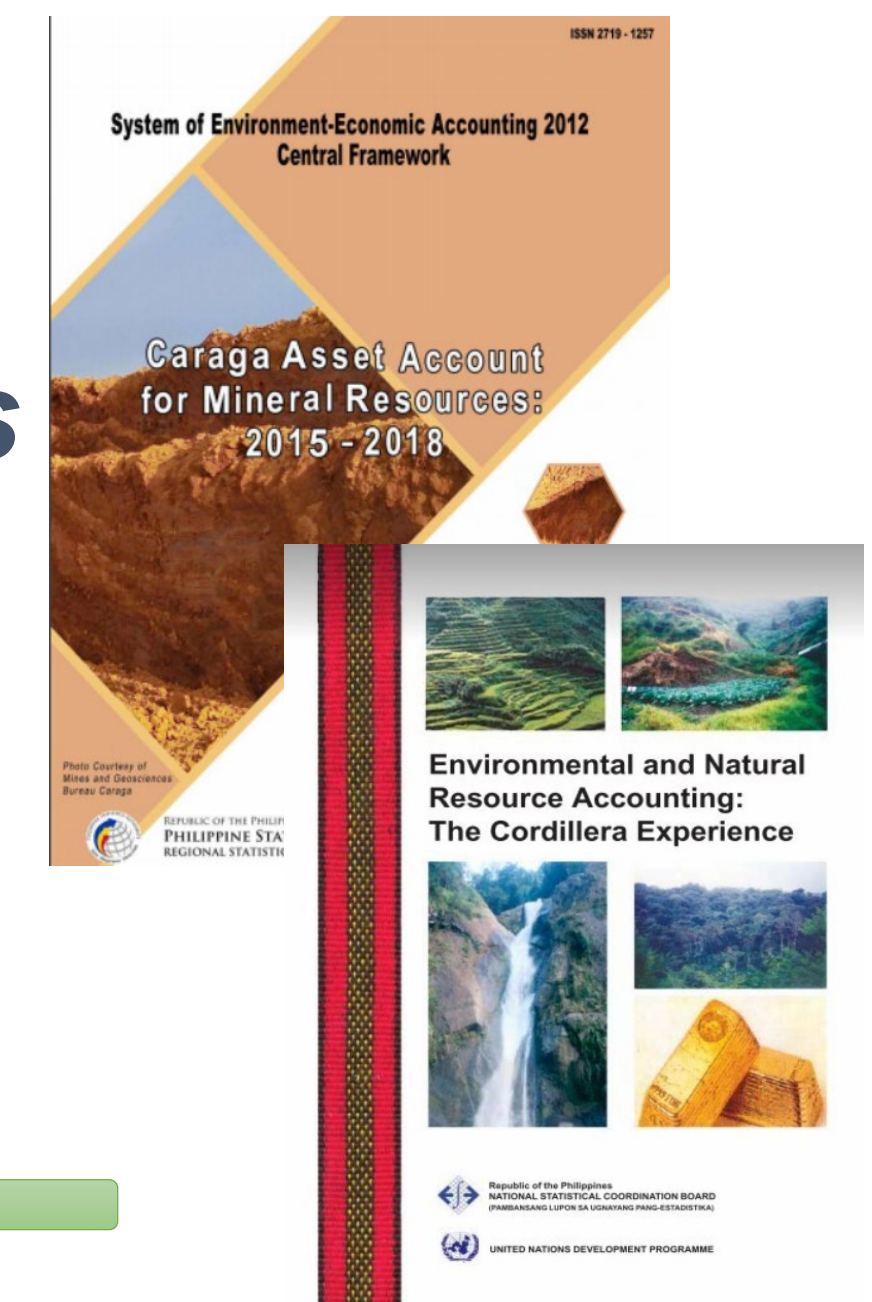
ENR Accounts Compiled:

- Land Accounts
- Energy Accounts
- Water Accounts
- Green House Gas Emission (Executive Order No. 174)
- Forest Land Accounts
- Agricultural Land Accounts

- *Subnational Accounts*
  - ➢ CAR
  - ➢ Central Luzon
  - ➢ Caraga
  - ➢ Bicol

- *2014 Established ENRA division in PSA*
  - ➢ *9 plantilla positions*
  - ➢ *4 project staff*

III. Current Initiatives

Updating of Environmental Accounts and Statistics

- Mineral Asset Accounts
- Water Flow Accounts
- Energy Asset Accounts
- Compendium of Philippine Environment Statistics (CPES)

Expansion of Environment and Natural Resources Accounts

Development of:
- Land and Timber Asset Accounts
- Ecosystem Accounts
- Material Flow Accounts

III. Current Initiatives

ENRA Accounts Compiled in the Pilot Regions

- CAR - minerals, land, water including tourism
- Central Luzon Region – land , timber
- Caraga Region – minerals,
- Northern Mindanao Region – water

III. Current Initiatives

Environmental Indicators for SD Agenda for 2030

Out of 155 Philippine SDG indicators, 39 indicators are Environment Indicators Environment Related

16 TIER 1

08 TIER 2

14 TIER 3

01 ADDITIONAL

1 NO POVERTY

6 CLEAN WATER AND SANITATION

7 RENEWABLE ENERGY

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

III. Current Initiatives

Environmental Indicators for SD Agenda for 2030

There are 16 Environment related SDG Indicators under Tier 1 and regularly compiled

6 CLEAN WATER AND SANITATION

5 indicators

11 SUSTAINABLE CITIES AND COMMUNITIES

1 indicator

12 RESPONSIBLE CONSUMPTION

1 indicator

14 LIFE BELOW WATER

1 indicator

15 LIFE ON LAND

8 indicators

III. Current Initiatives

Measuring Sustainability on Tourism (linking with the Philippine Tourism Satellite Accounts)

Ocean Economy Accounts

Tourism Satellite Account: Recommended Methodological Framework 2008

DISASTER-RELATED STATISTICS FRAMEWORK (DRSF)

Expert Group on Disaster-related Statistics in Asia and the Pacific

ESCAP
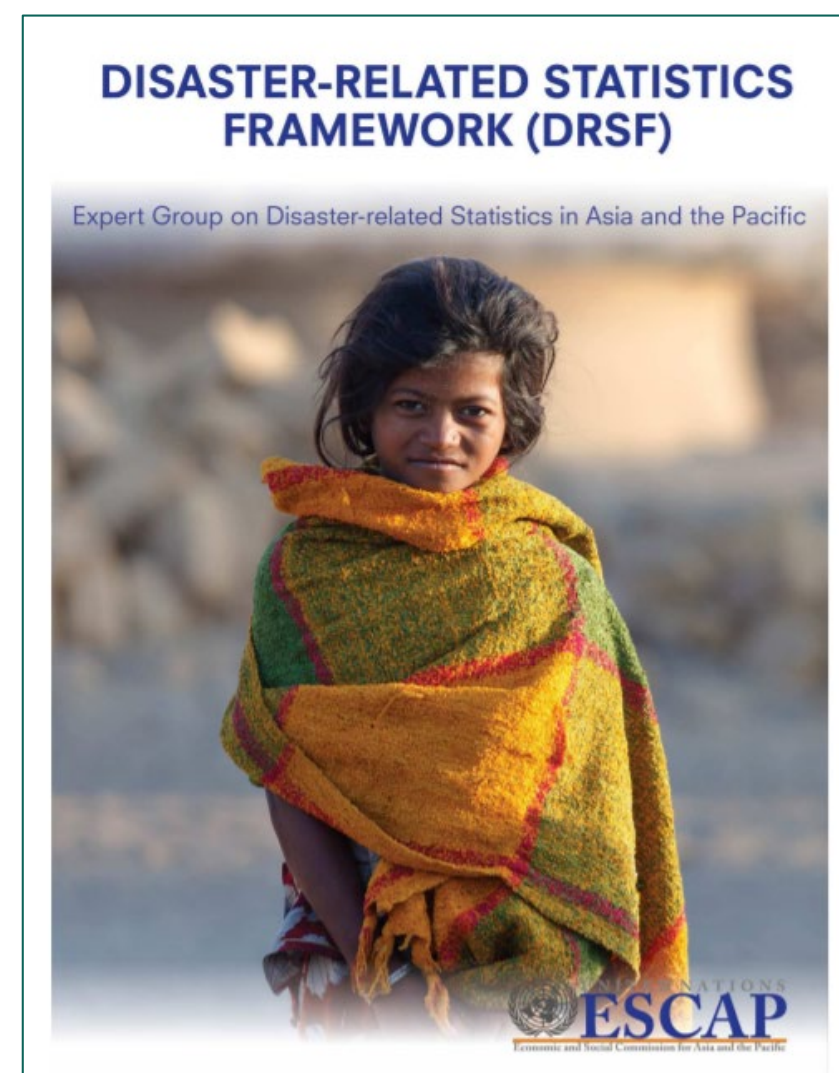
Others:

- Green House Gas Emission
- Climate Change Indicators
- Disaster Expenditure Accounts
- Material Flow Accounts

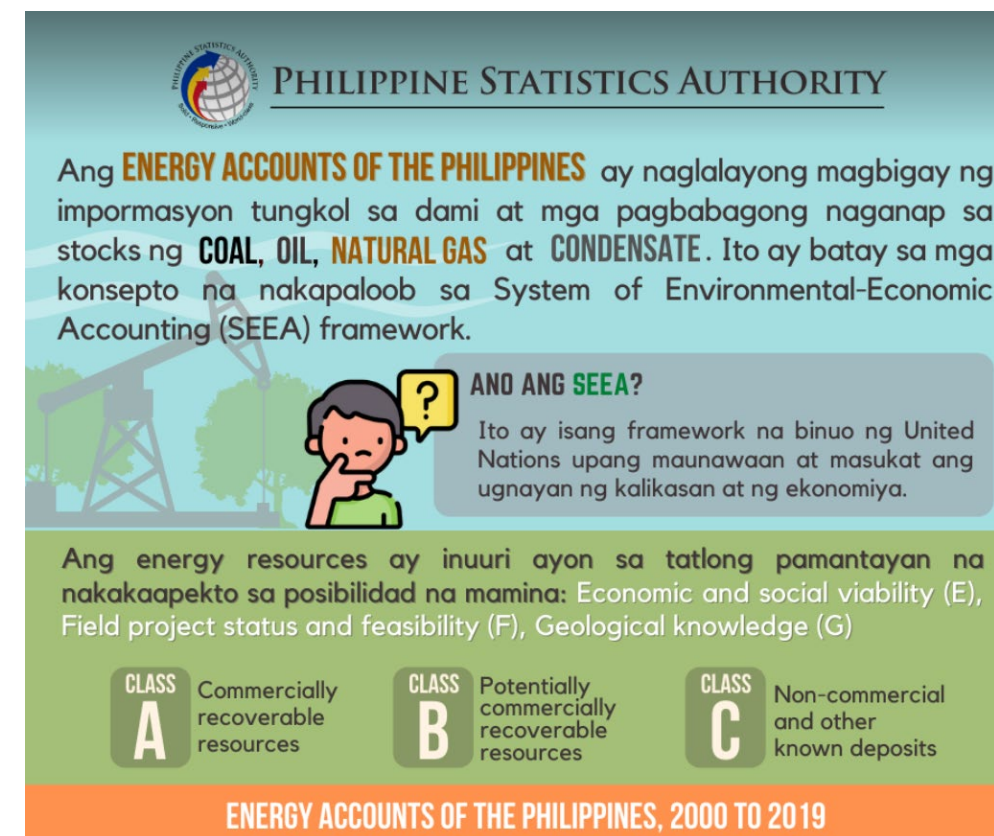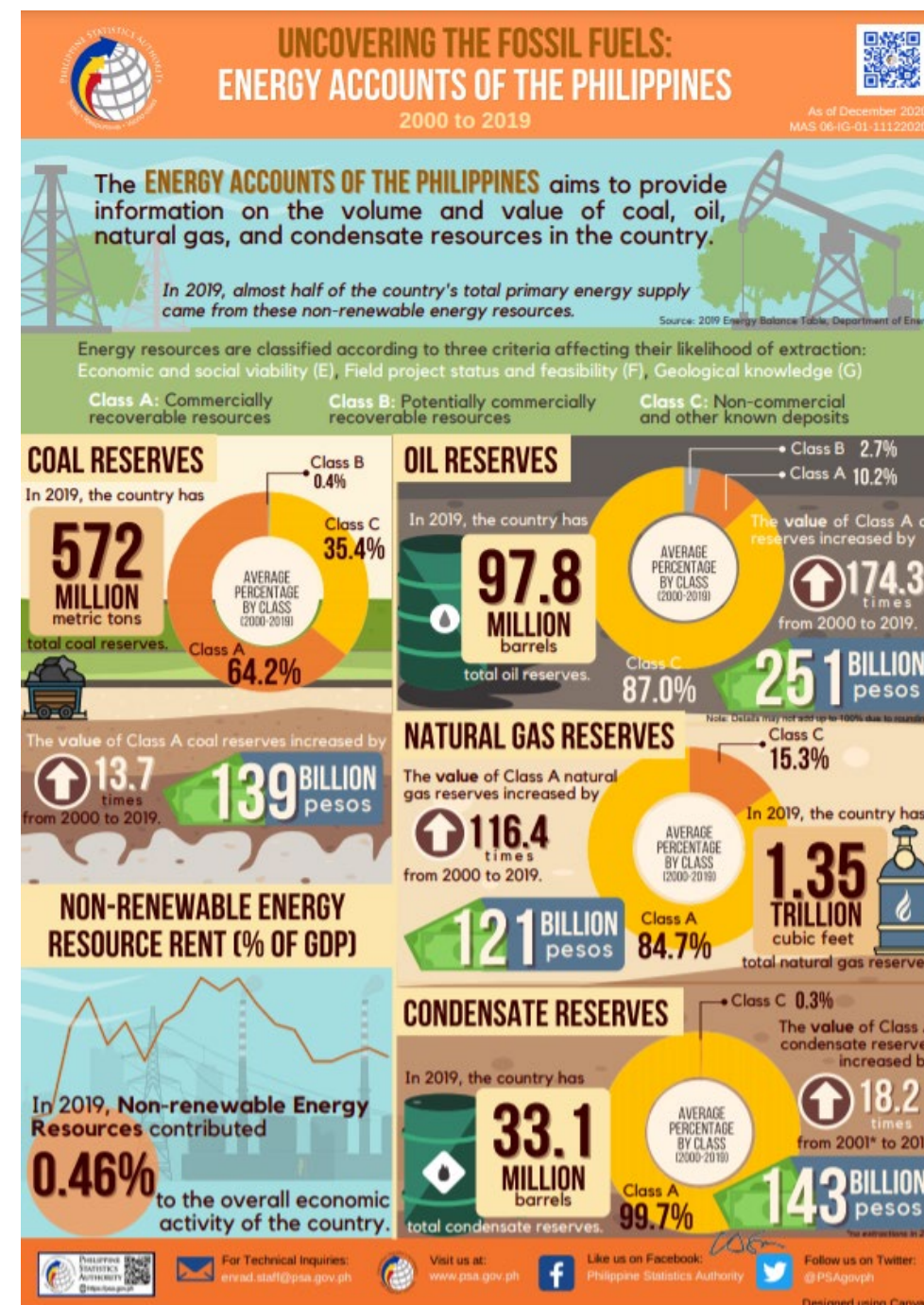# Communicating ENRA

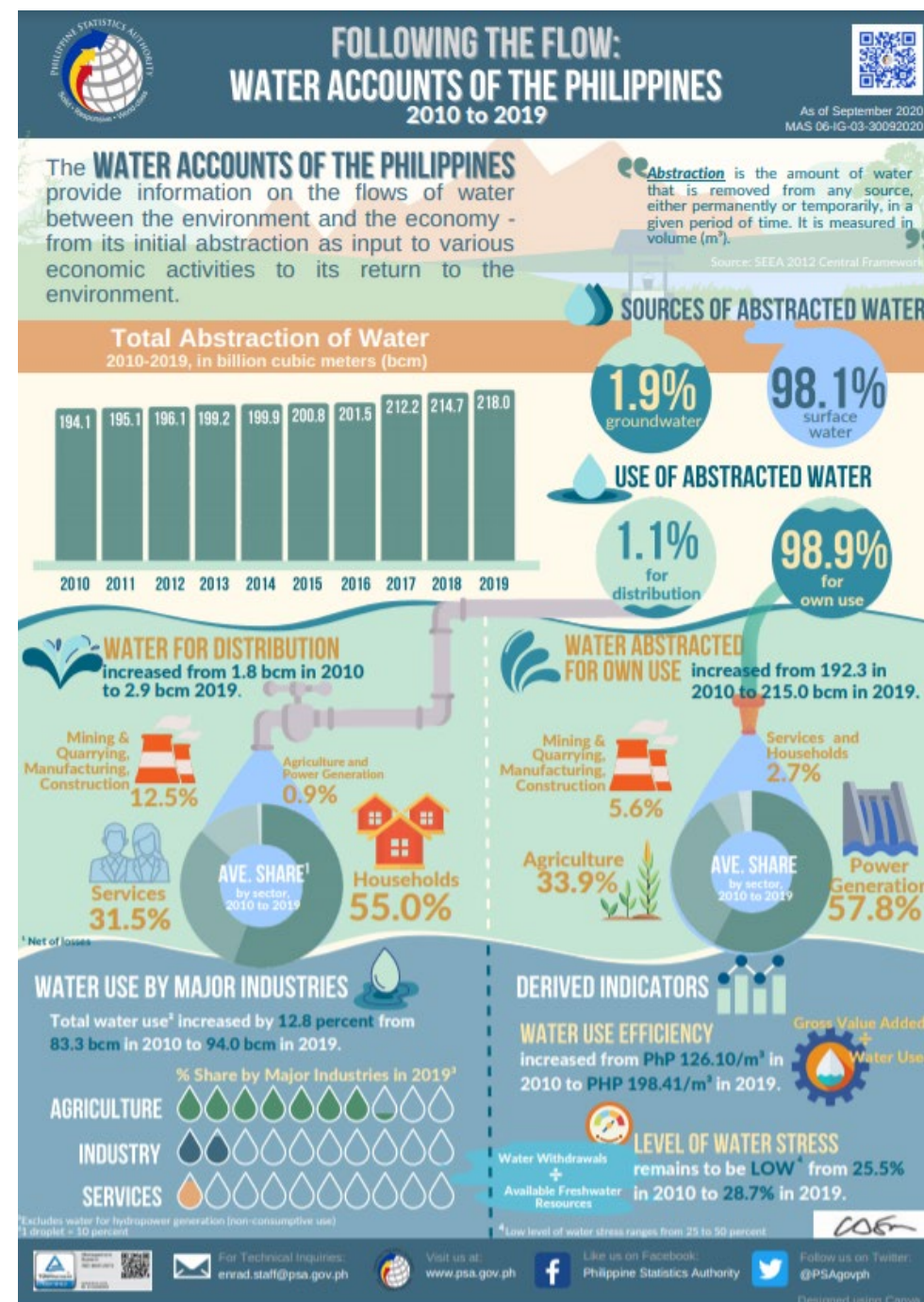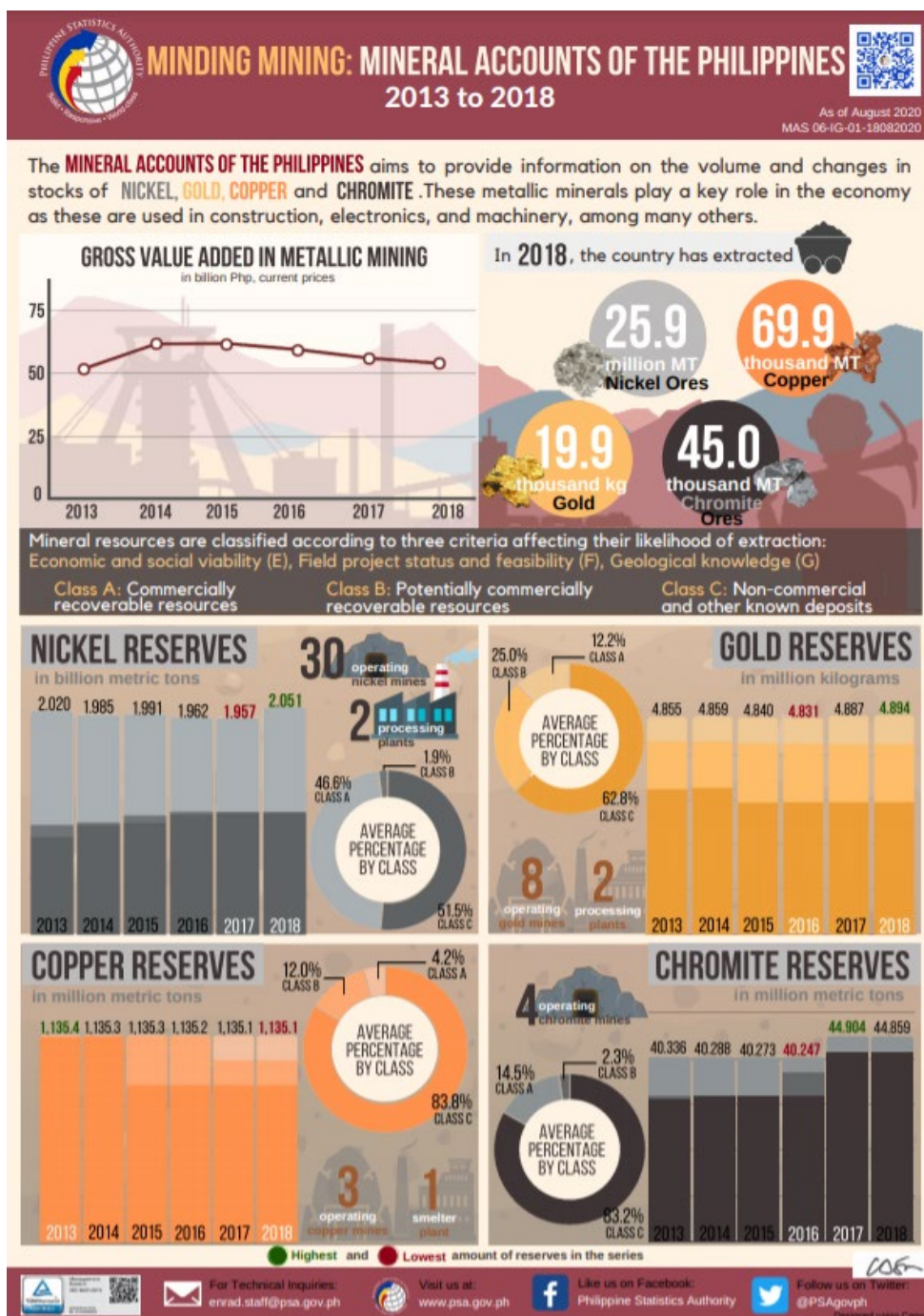## *ENRA publications (national)*

Communicating ENRA

ENRA publications (regional)

Communicating ENRA

PSA's ENRA Infographics and Social Cards
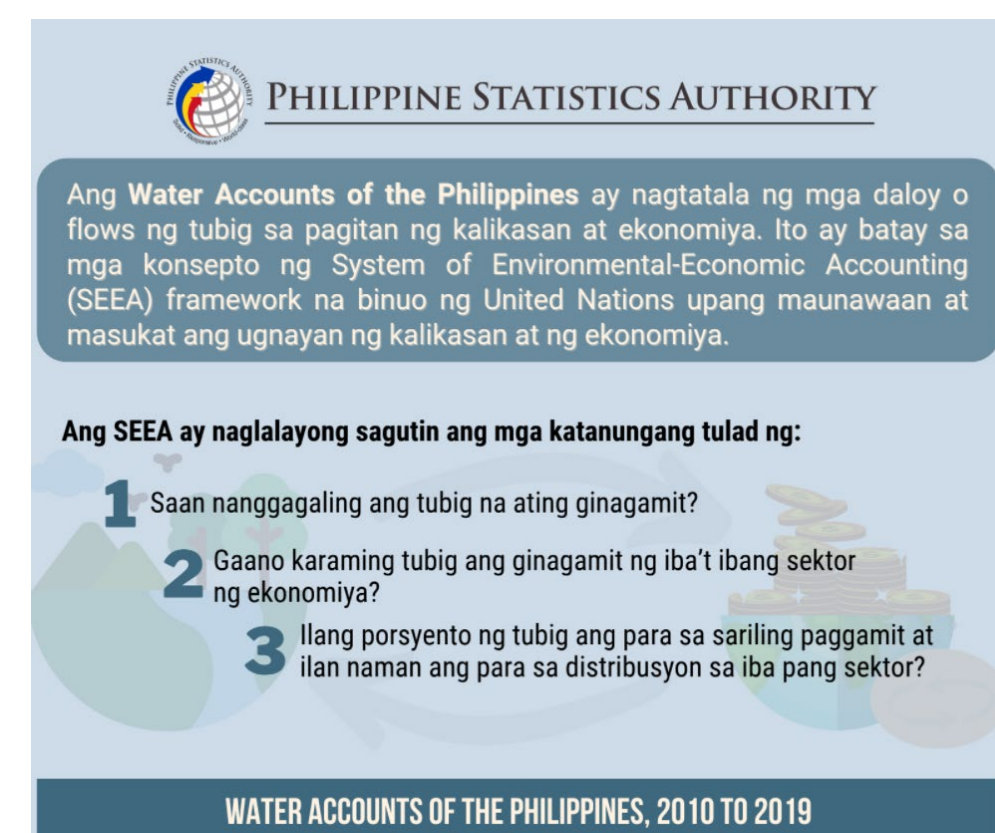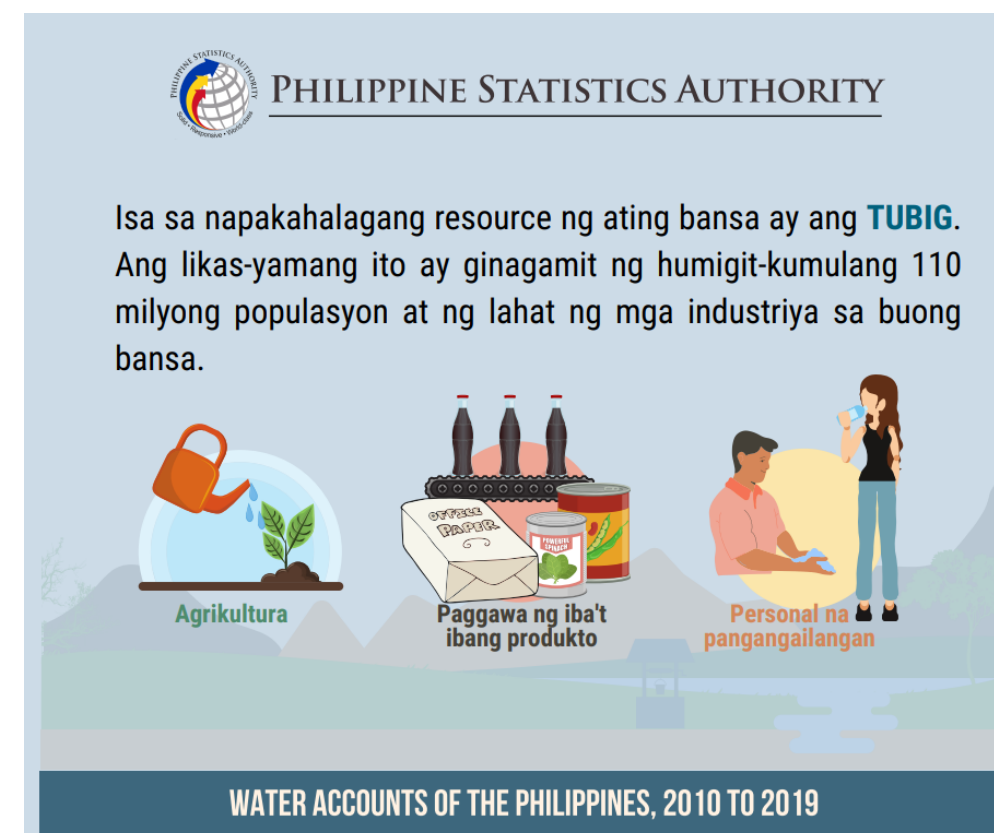
Participation in ENRA & ENRA Related Committees

Global Committee

UN Committee of Experts on Environmental and Economic Accounting

Expert Group on Environmental Statistics

UNWTO Committee on Tourism Statistics and Tourism Satellite Accounts

UNWTO Working Group on Measuring Sustainability of Tourism

UN Expert Advisory Group on the System of National Accounts

Participation in ENRA & ENRA Related Committees

Regional Committee

UNESCAP TWG on Disaster Statistics for Asia and the Pacific
ASEAN TWG on Sustainable Development Goals
Others: UNDP BIOFIN (for Philippines)

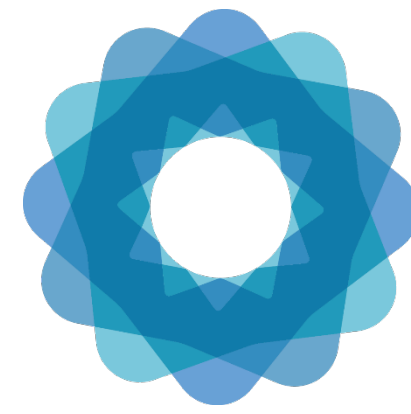## PSA established IAC on ENR Accounts & Statistics

Task Force on National Resource Accounting TWG on Disaster Statistics; TWG on Minerals Statistics , TWG on Water Statistics,

IV. Key Lessons Learned

1. **Compilation of ENR accounts needs strong and sustained partnership with institutions for data support and on the uses of these accounts.**
   - **Needs support to build knowledge and capacities to generate ENR data and to do the ENR accounts – ENRA data and accounts this takes time to compile ;**
   - **Need support in understanding the accounts and how to use them for policy development.**

IV. Key Lessons Learned

2. Communication is essential and should need to recognize and strategize how to communicate the accounts for different target audiences.

- The audiences are producers and users (general & specific users) scientists, economists, etc.
- Communications should be popularized and should go beyond tabular data presentation – that is to use visuals which can also extend into visuals for analysis of the accounts.

Thank you!