

# **ENVIRONMENTAL-ECONOMIC ACCOUNTING IN INDIA**

**Presented in**

**Regional Training Workshop on Advancing the System of  
Environmental-Economic Accounting (SEEA) Experimental  
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# SEEA Implementation in India

- **The initial focus is compilation of asset accounts for selected sectors.**
- **Water, Timber, Minerals (Energy and Non Energy) and Aquatic Resources identified.**
- **The first Challenge was to identify indicators and Statistics, measurement unit, at desired disaggregation level for asset accounts.**
- **These have been decided - broadly based on FDES 2013 and relevant for the SEEA Tables for respective sectors.**

## **SEEA Implementation in India...Contd.**

- **The Basic Table format in SEEA Central Framework was used for developing sector wise formats.**
- **The basic table format in the Central Framework was expanded suitably to make a format which will be more clear to data source agencies.**
- **Appropriate explanation of the terms were also given in the format for better understanding.**

## **SEEA Implementation in India ..Contd.**

- **Detailed frameworks for asset Accounts were prepared for the following Sectors:**
  - Water
  - Timber
  - Minerals (Energy and Non-Energy)
  - Coal
  - Aquatic assets
- **For the remaining Sectors, Statistics and Indicators were prepared sector wise using FDES set of statistics to assess the data availability.**

## ASSET ACCOUNTS FRAMEWORK FOR WATER

- Table 5.11.2 of SEEA CF was used as the basic reference table.
- The Table was expanded to include all components and flows.
- Concepts and definitions were included for better understanding and clarity.
- Some related additional information were also included.
- The Format is WATER ACCOUNTS FRAMEWORK INDIA.xlsx

## ASSET ACCOUNTS FRAMEWORK FOR TIMBER

- Table 5.8.1 of SEEA CF was used as the basic reference table.
- The basic table was expanded to include all components and flows.
- The framework include three components viz-
  - Cultivated Timber resources,
  - Natural timber resources available for wood supply, and not available for wood supply.
- The Format is [Data requirement-forest timber account.xlsx](#)

# Asset Accounts FRAMEWORK FOR Aquatic Resources

- Basic Table :Table 5.9.2 of SEEA CF.
- The basic table was expanded to include all components and flows.
- The Framework included Natural Aquatic Resources and Cultivated aquatic resources
  - fixed assets (for breeding) and
  - inventories(for harvest).
- The format is [Aquatic Resources-  
Accounts.xlsx](#)

# Problems Experienced

- **Given federal structure of Indian polity, many environment related sectors such as forest, land and soil, etc fall under the jurisdiction of the State governments.**
- **In some cases data is scattered to different agencies.**
- **Data is collected by the respective agencies with respect to some of the identified indicators/statistics but not compiled in the required accounting format.**
- **Data periodicity is not annual. E.g. data on minerals is collected once in five years. Forest survey data is collected in every two years.**



## **Problems Experienced...Contd.**

- **Data are not be available at the proposed disaggregation level for many indicators under different sectors. For example species wise data, data by class/grade of minerals.**
- **Data are not currently available for many identified indicators/statistics such as data on evapotranspiration, data on soil water and glaciers, natural aquatic resources.**
- **Inadequate resources and capacity for collection/compilation.**

# ASSET ACCOUNTS FOR WATER – Experience so far and data Gaps

- Limited data available for compilation of accounts on glaciers and soil water.
- Data is scattered over at least 4-5 government agencies.
- Data is available but not compiled in the format desired.  
For Eg. utilization of groundwater is available as per minor irrigation census conducted every two years .
- No periodic assessment/monitoring of certain Statistics.  
For Eg. Discoveries of water in new aquifers (volume) for increase in stocks.
- Problems with periodicity – annual cycle of data collection not maintained.

# Current Status

- **Constitution of Inter-Ministerial Group (IMG) on Environmental Economic Accounting in India.**
- **Headed by the Director General, National Statistics Office.**
- **Terms of reference or mandate is**
  - ✓ **assessment of Data Availability,**
  - ✓ **Resource Requirement and**
  - ✓ **Capacity Development**

## Current Status...Contd.

- **Union Ministries to examine the existing data sets on aspects such as measurement unit, periodicity and disaggregation level for compilation of asset accounts.**
- **Simultaneously Central Statistics Office will explore the possibility of developing a trial asset account in respect of few sectors such as water, timber based on available data.**
- **A regular Training Programme on SEEA in collaboration with Training Division, NSO.**

**THANK YOU**