Department of Economic and Social Affairs - Statistics Division ESA/ST/AC.300/4.2

First Meeting of the Inter-Agency and Expert Group on the Sustainable Development Goal Indicators
New York, 1-2 June 2015
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Process of selecting indicators

Integrated statistical frameworks – Example SEEA

Integrated Statistical Frameworks for SDG Indicators: the SEEA and the SNA
A System's Architecture

Ivo Havinga

Assistant Director

United Nations Statistics Division

First Meeting of the Inter-agency and Expert Group on Sustainable Development Goal Indicators (IAEG-SDGs)

New York, 1-2 June 2015

1. Standards-based statistical architecture

- Integration of environment statistics

- Conceptual framework of systems of national accounting

2. System's architecture for SDG indicators

- Methodological consistency of indicators

- Common institutional and statistical architecture for statistical production

- Other advantages

- Roadmap

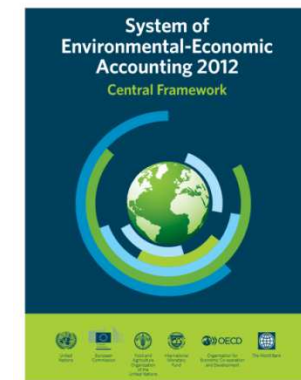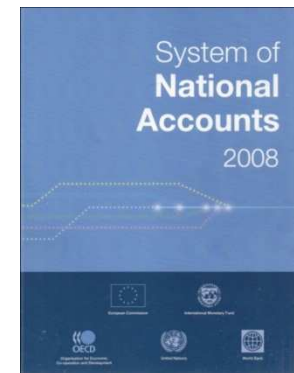**Indicators
based on Standards**

➢ Higher quality

➢ International comparability

➢ Comprehensive basis for (dis)aggregation

Statistical Standards

➢ Aligned Definitions and Classifications

➢ Improved capacity to compare and/or combine statistics from different sectors

➢ Basis for coherent and comprehensive data sets

**Frameworks
to coherently
integrate
information:**

System of
**National
Accounts**
2008

System of
Environmental-Economic
Accounting 2012
Central Framework

3

Policy Need: Environmental pillar is characterised by

- Fragmented sectorial policies
- Externalities / unintended consequences affecting the environment

Integration of environmental decision making is a particularly crucial step for sustainable development

- Need for understanding of the inter-linkages and trade-offs between the environment and the economy and within the environment

Statistical Response: An integrated information system for the environment. at the national level this requires:
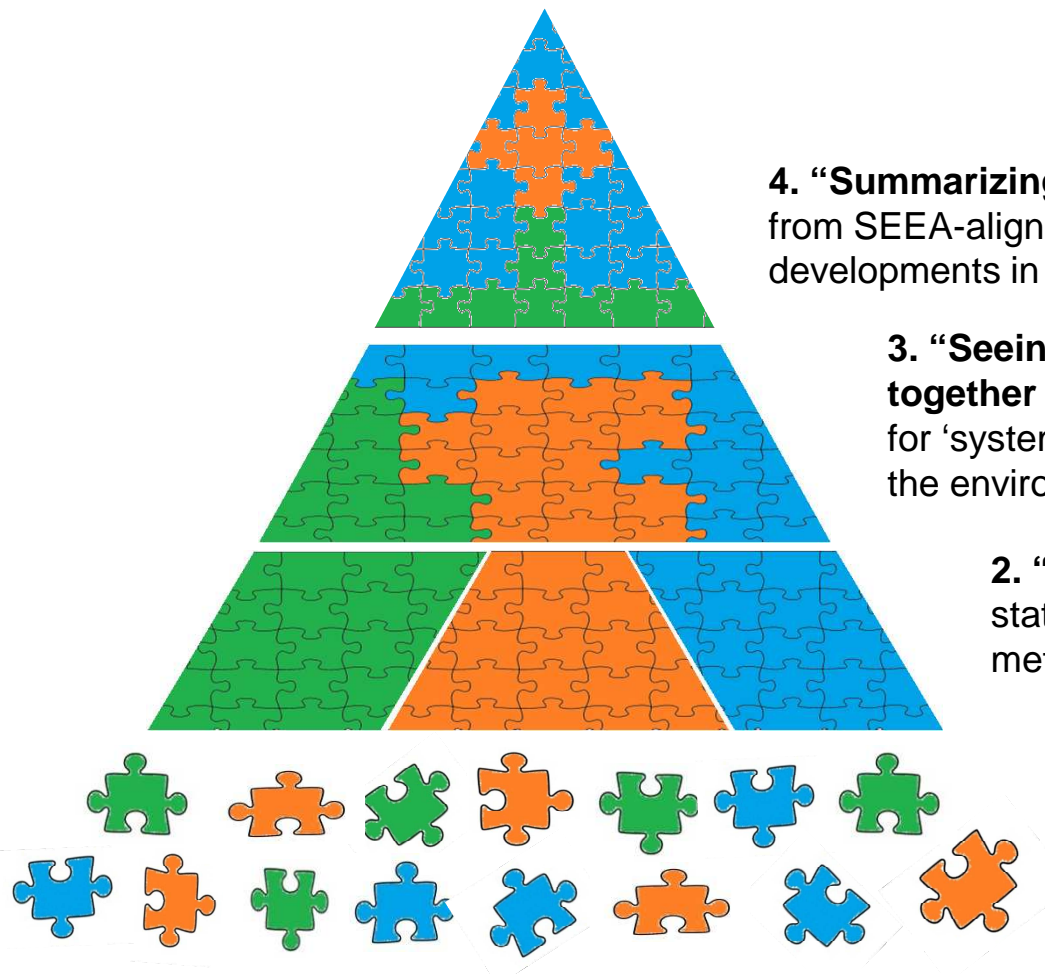
- A conceptual framework for integration (i.e. the SEEA and SNA)
- Institutional mechanisms for integration
- Integration and modernization of statistical production process

International standards to measure the economy (SNA), and the environment and its relationship with the economy (SEEA):

4. "Summarizing the Picture": Headline indicators derived from SEEA-aligned Information for an indication of developments in environmental related issues

3. "Seeing the overall picture and how things fit together in detail": Organizing data into accounts for 'systems level' understanding of the economy and the environment and their interlinkages

2. "Harmonizing Basic Data": Application of statistical standards to reconcile divergent methodologies

1. Fragmented Environment Data: Data collection dispersed across agencies using different methodologies
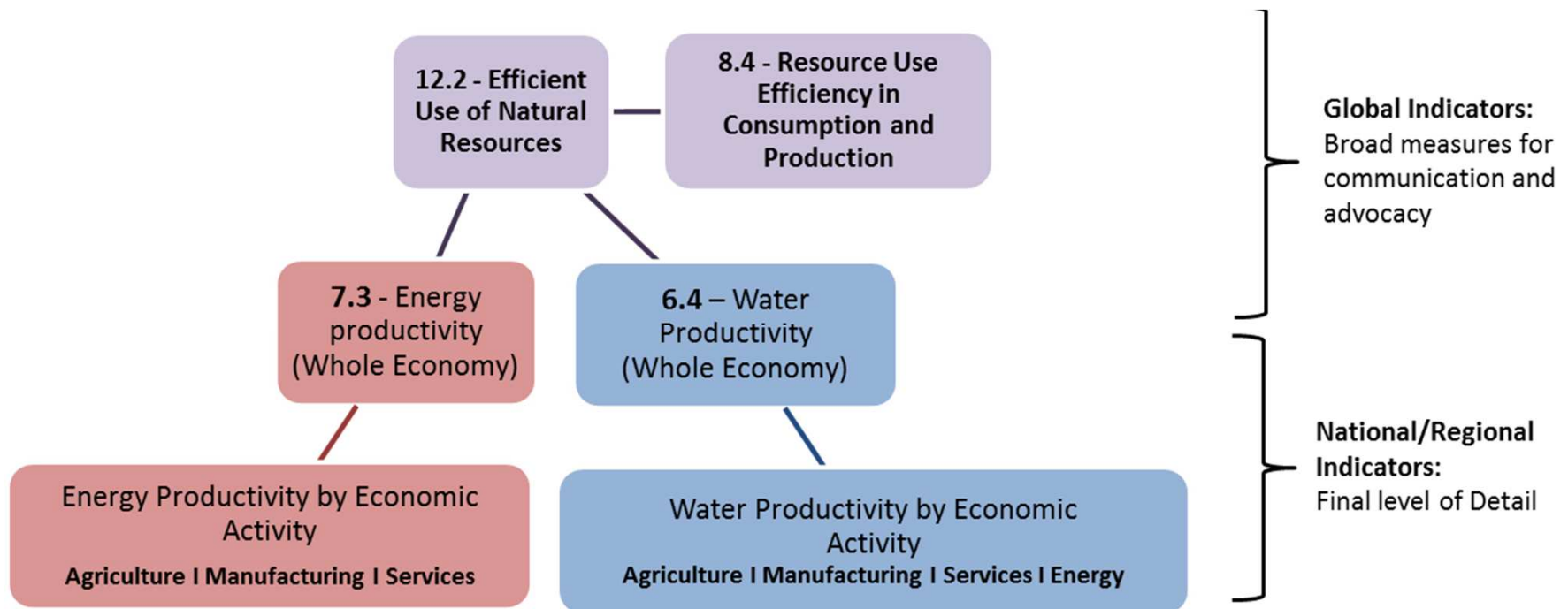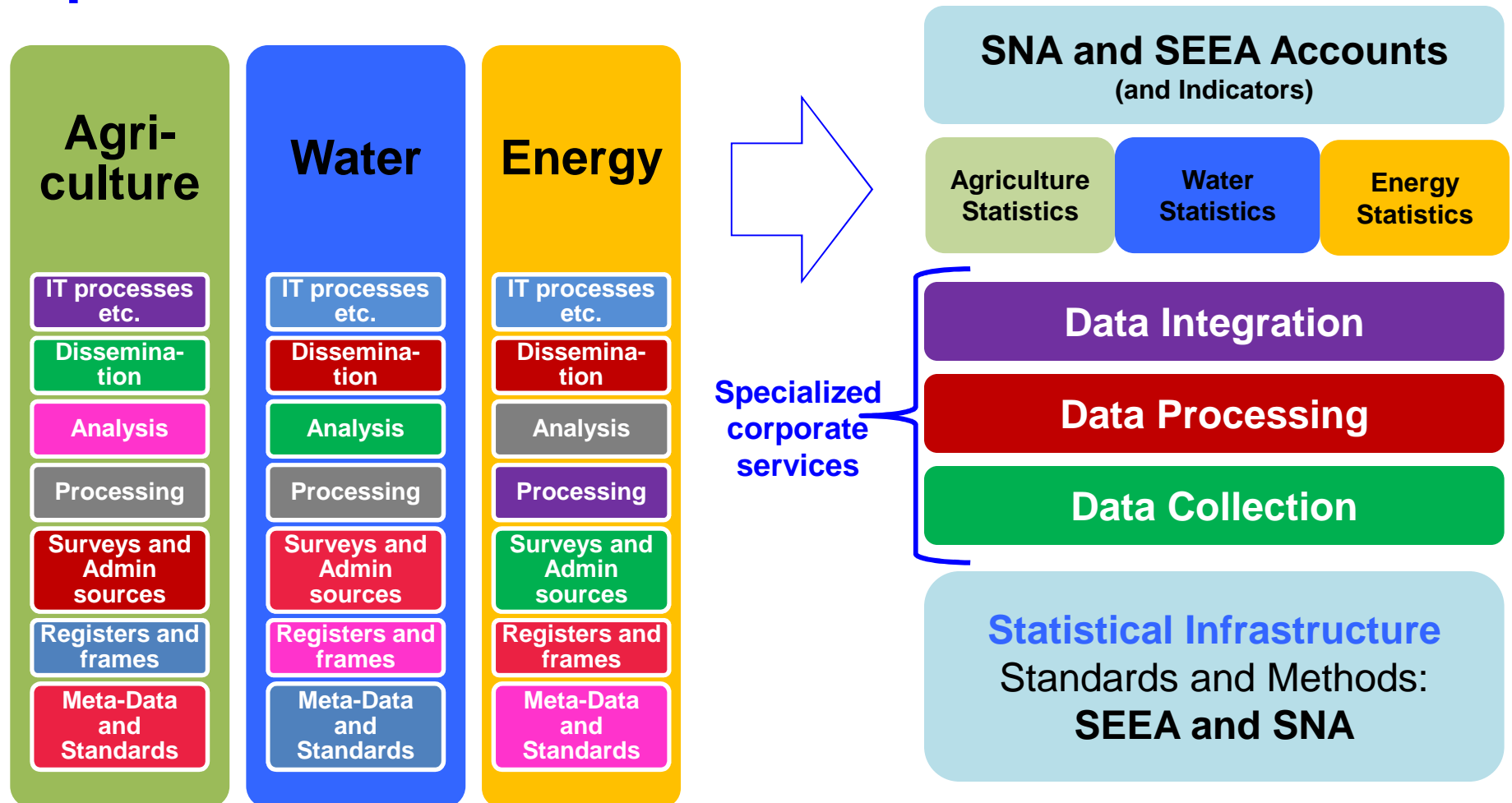
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System's Architecture of integrated global, regional, (sub-)national, and thematic monitoring requires **methodological consistency** across **themes** and **levels of monitoring.**

- The SNA and SEEA can be the methodological basis for this:

System's architecture: common institutional and statistical architecture for statistical production

Agri-culture	Water	Energy
IT processes etc.	IT processes etc.	IT processes etc.
Dissemina-tion	Dissemina-tion	Dissemina-tion
Analysis	Analysis	Analysis
Processing	Processing	Processing
Surveys and Admin sources	Surveys and Admin sources	Surveys and Admin sources
Registers and frames	Registers and frames	Registers and frames
Meta-Data and Standards	Meta-Data and Standards	Meta-Data and Standards

Specialized corporate services

SNA and SEEA Accounts
(and Indicators)

Agriculture Statistics	Water Statistics	Energy Statistics

Data Integration

Data Processing

Data Collection

Statistical Infrastructure
Standards and Methods:
SEEA and SNA

Streamlining of statistical coordination and system

Cost efficiency in statistical infrastructure and operations

Reduction in response and reporting burden

| MINISTRY 1 | I | MINISTRY 2 | I | MINISTRY 3 |

Common Interface

National Statistical System

National Statistical Office

based on SEEA and SNA

INTERNATIONAL AGENCIES' REPORTING INITIATIVES
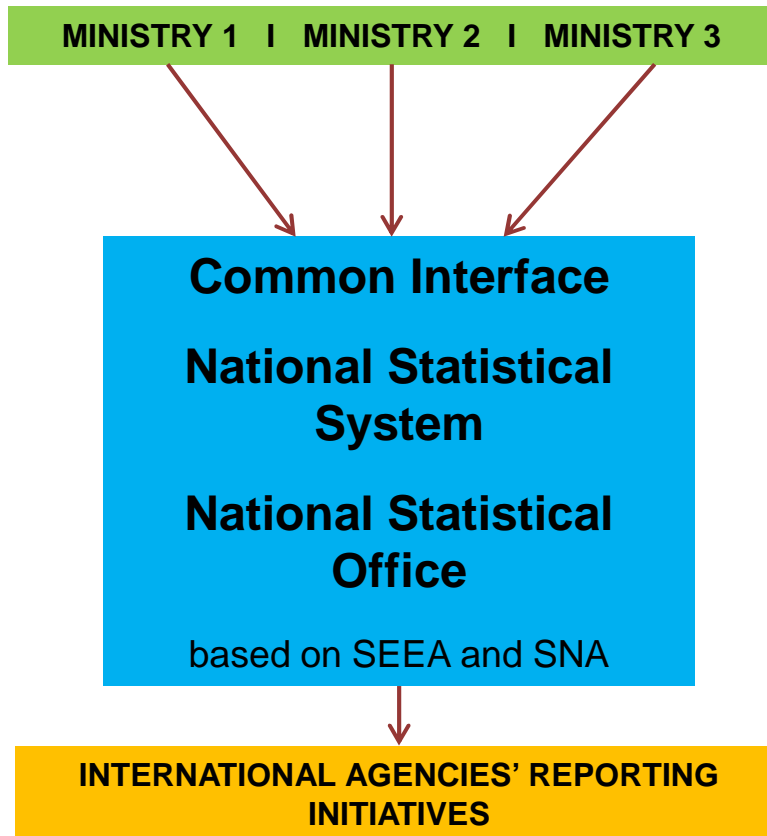
- Single Data System to Inform Indicators
- Data Compiled Once for Many Purposes
- National data hubs based on federated system

Adoption of common statistical strategy (NSDS) and general business model for design and implementation of national statistical capacity building (GSBPM) – standard tools

- Consistent definitions, classifications and spatial units at national and international level allows for **direct transmission of information**

8

- **Integration of national statistical systems**
  - National ownership of information for integrated decision making and reporting
  - **ONE statistical system, ONE method, ONE data and ONE Map**
  - Common capacity building programme using standards - SNA and SEEA

- **Integration at the international level**:
  - Alignment of thematic monitoring with international standards
  - Agency coordination and 'common language and message'

Transition towards System's approach　　　　**Transition towards national ownership**

9