



Introduction to the SEEA and Integrated Information Systems

Forum of Experts on SEEA Experimental Ecosystem Accounting
New York, 28-30 April 2015



Convention on
Biological Diversity





Overview

1. The SEEA Central Framework and the SEEA Experimental Ecosystem Accounting
2. The project on advancing the SEEA Experimental Ecosystem Accounting
 - Public goods
 - National plans for Advancing Economic Accounting



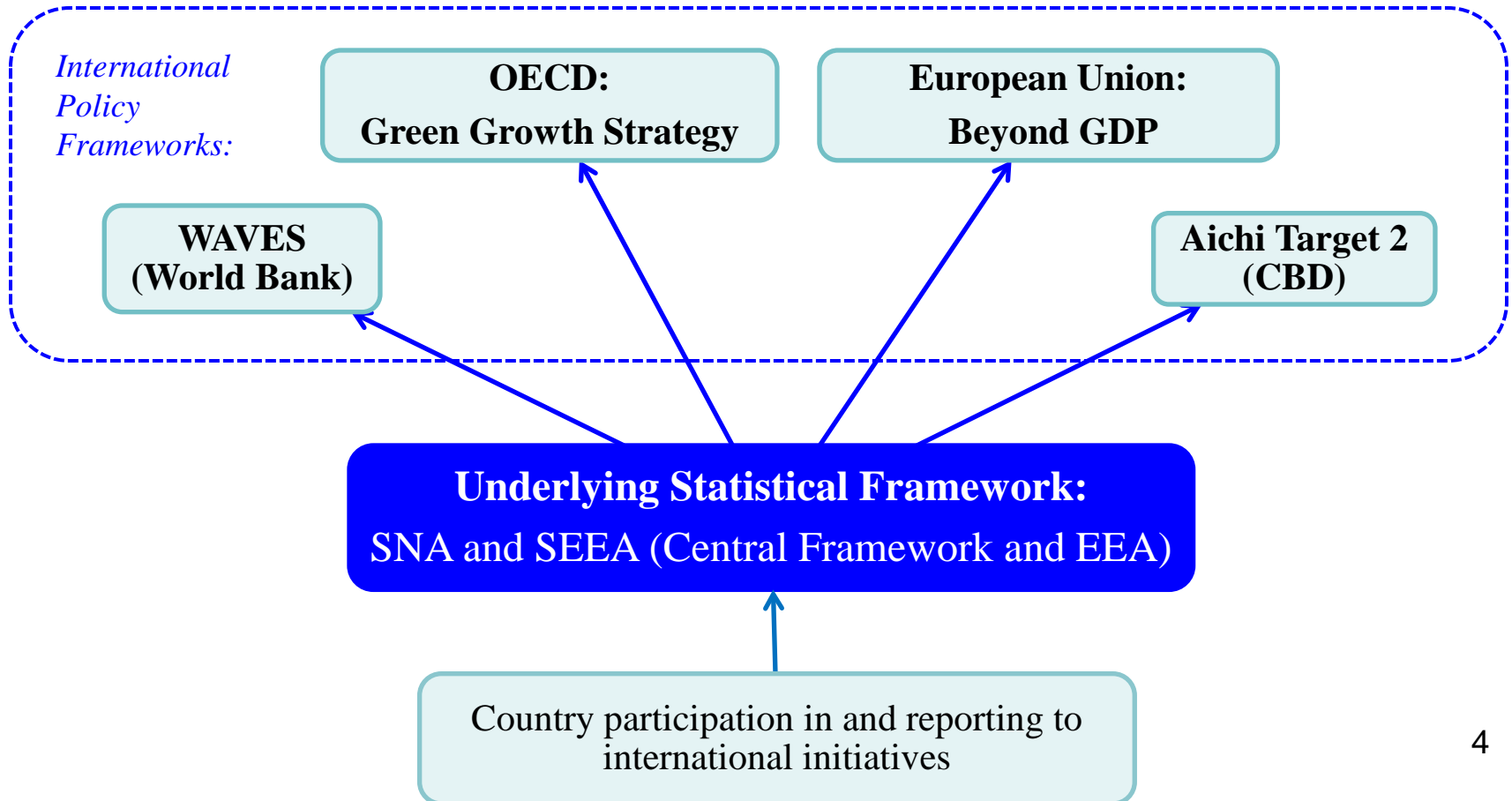
Policy Demand: International Context

- Post-2015 and the SDGs
- Rio+20 outcome document
- High-Level Panel Report on the Post-2015 Development Agenda
- SDGs monitoring
- European legislation
- Aichi targets
- Natural Capital Accounting
- International initiatives
 - OECD's Green Growth Strategy, WAVES, VANTAGE, UNEP-led Green Economy programme, CBD, TEEB





SEEA has been Adopted by Multiple International Policy Initiatives

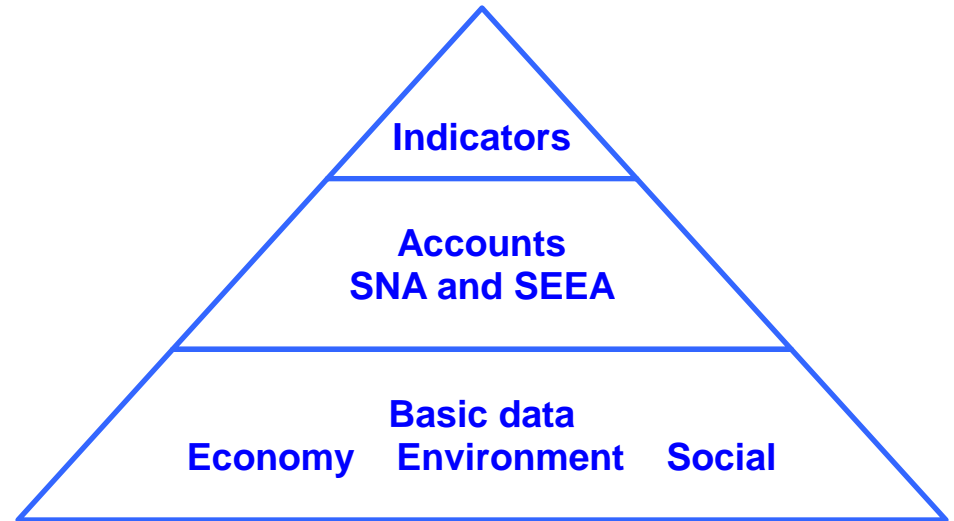
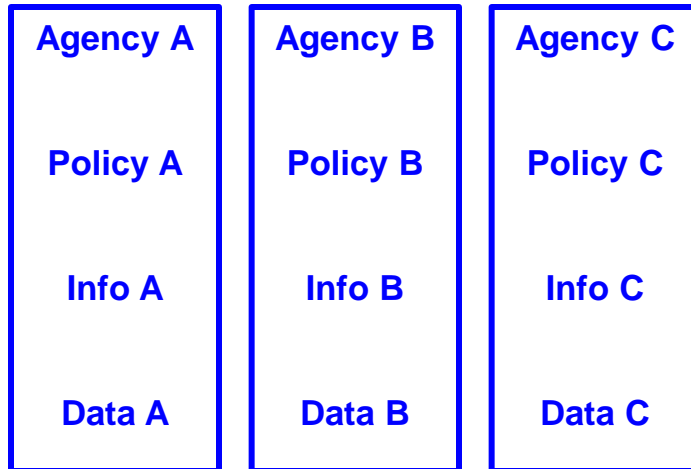




Silo Approach



Integrated Statistics

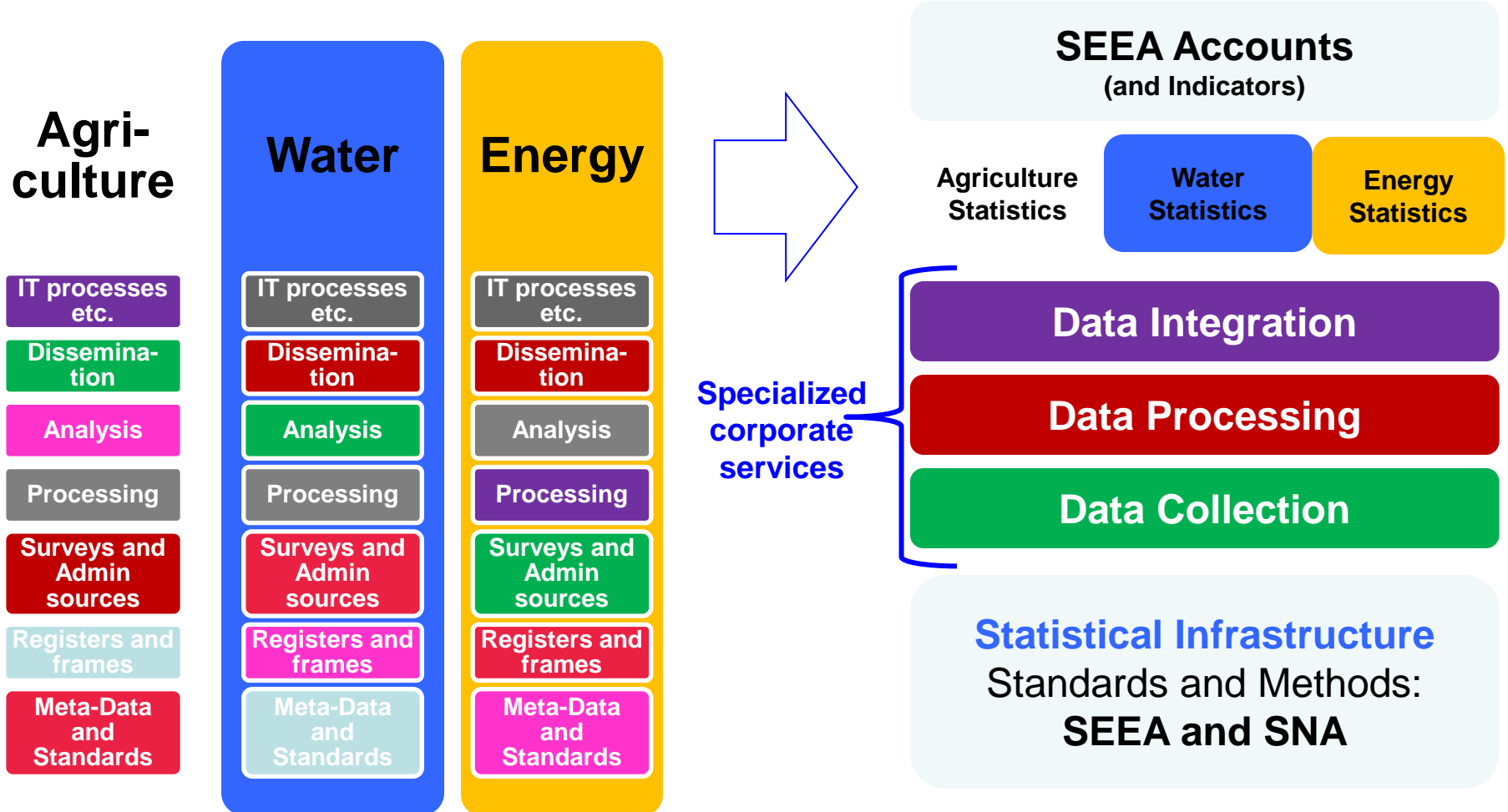


Accounts to integrate statistics:

- Linking policy needs and statistics
- Understanding the institutional arrangements
- Integrated statistical production process/chain and services
- Consistency between basic data, accounts and tables and indicators



SEEA Encourages National Efficiencies in Statistical Production





Standards Based Integration

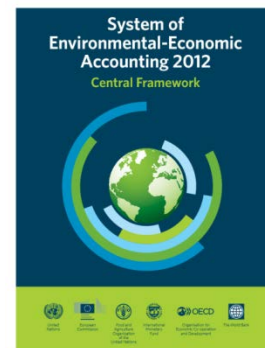
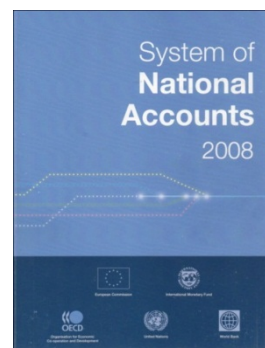
Indicators based on Standards

- Higher quality
- International comparability
- Comprehensive basis for (dis)aggregation

Statistical Standards: SNA and SEEA

- 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:





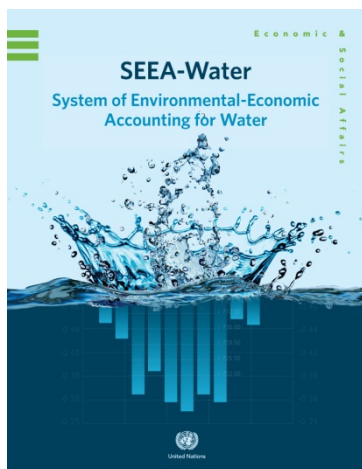
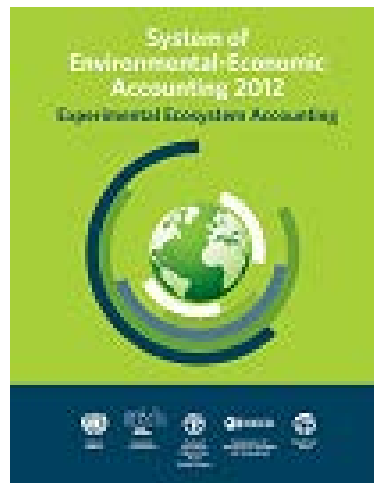
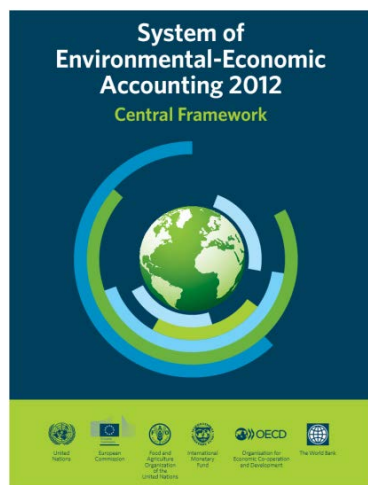
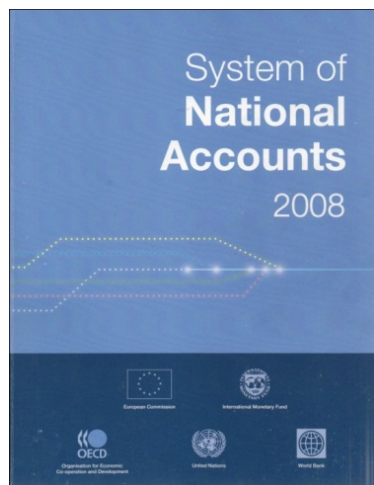
The System of Environmental Economic Accounting (SEEA)

- An internationally agreed statistical framework to **measure the environment and its interactions with economy**
- The SEEA **Central Framework** was adopted as an international statistical standard by the UN Statistical Commission in 2012
- The SEEA **Experimental Ecosystem Accounts** complement the Central Framework and represent international efforts toward coherent ecosystem accounting





SNA & SEEA: Systems of integrated information



**SEEA-
Energy**

(forthcoming)

**SEEA-
Agriculture,
Forestry and
Fisheries**

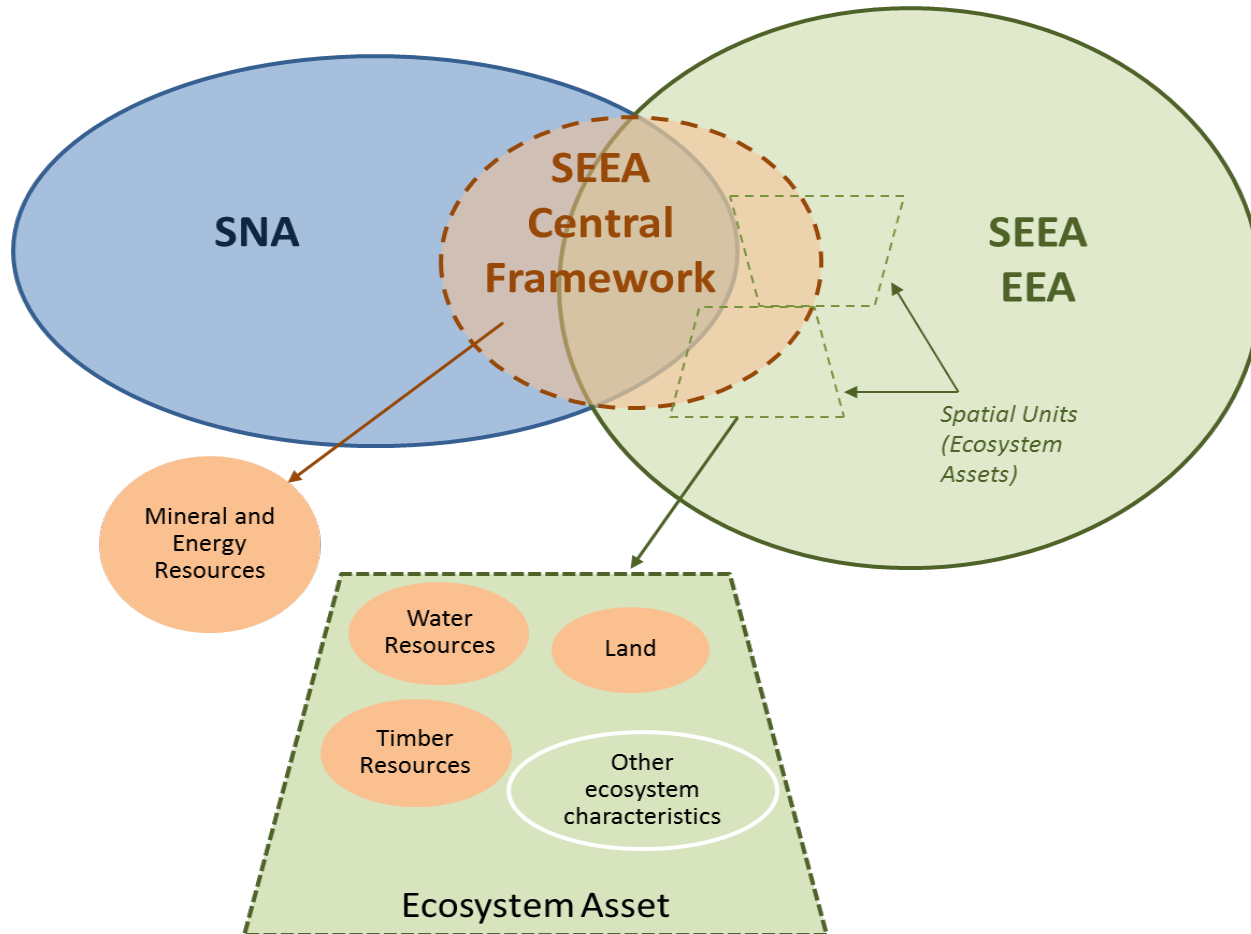
(forthcoming)

Others

(forthcoming)



Relationship between approaches





One Environment: Two Perspectives

SEEA

Central Framework:

Individual Environmental
Assets/Resources

Timber
Water
Soil
Fish



SEEA Experimental Ecosystem Accounts:

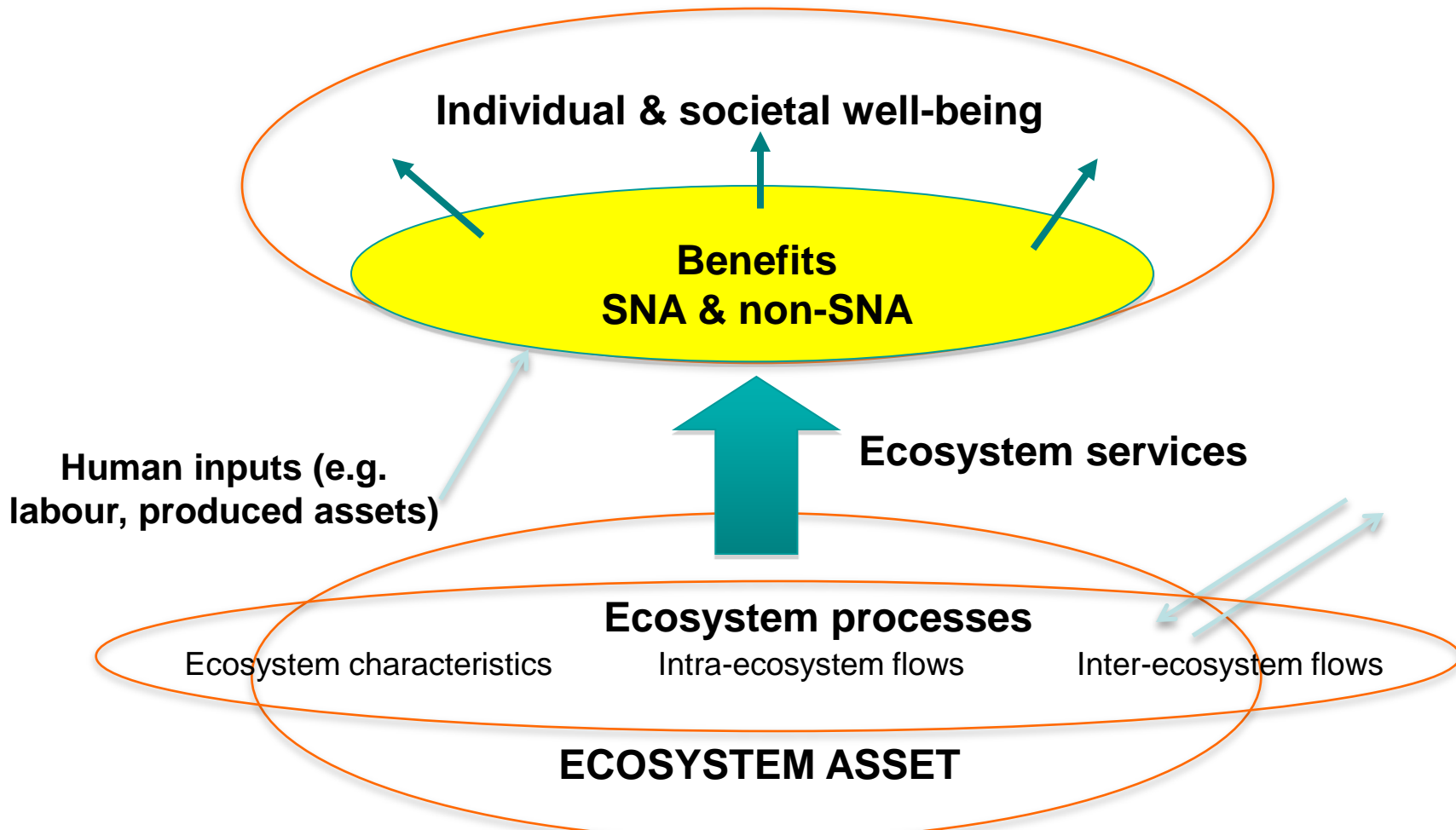
Ecosystem Assets
(spatially based)

Forests
Lakes
Agricultural
areas

Ecosystem Assets are environmental assets viewed from a systems perspective



Linking ecosystem assets and well-being through ecosystem services





Project Advancing the SEEA Experimental Ecosystem Accounting



Convention on
Biological Diversity





Global outputs of the project

- SEEA Experimental Ecosystem Accounting Technical Guidance
- Training Materials – Level 0, 1 and 2 to be transformed into E-learning
- SEEA EEA implementation strategy
- Technical papers
 - Land cover
 - Carbon
 - Water
 - Biodiversity
 - Statistical units
 - Classification of ecosystem services
 - Biophysical modelling
 - Capacity



Workshops

- Regional workshops on SEEA Experimental Ecosystem Accounting
 - ESCAP (Jakarta, April 2015)
 - ECLAC (Santiago, April 2015)
- National training workshops
- Forum of Experts on the SEEA EEA
- Seminar on linking business accounting and the SEEA (tbd)



SEEA-EEA Technical guidance document

- Companion to the SEEA EEA
- To provide practical guidance on how to compile the SEEA EEA
- To clarify some of the conceptual issues in the SEEA EEA
- To help understand the data needed to compile the accounts
- To narrow the options in the choice of models to be used for measurement of ecosystem condition and services



Outputs at the country level

7 pilot countries

- Bhutan
- Chile
- Indonesia
- Mauritius
- Mexico
- South Africa
- Vietnam



National assessments

- Understand national policy priorities
(National Development plans, National Sustainable Development plans, NBSAP, sectoral plans, etc.)
- Assess current initiatives (e.g. green economy/green growth, REDD+, BIOFIN, TEEB, WAVES, etc.)
- Identify key institutions
- Identify data sources



National plans

- Mainstream SEEA Central Framework and SEEA EEA
- Rationalize institutional arrangements
- Integrate data, tools and statistical production processes
- Compilation of pilot accounts
 - SEEA EEA
 - Other accounts
- Obtain high level buy-in



Thank you

Alessandra Alfieri,

Chief, Environmental Economic Accounts Section, United Nations Statistics Division

alfieri@un.org