Introduction to the SEEA Central Framework and Asia-Pacific Progress

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E-learning: Introduction to the SEEA and its Policy Applications

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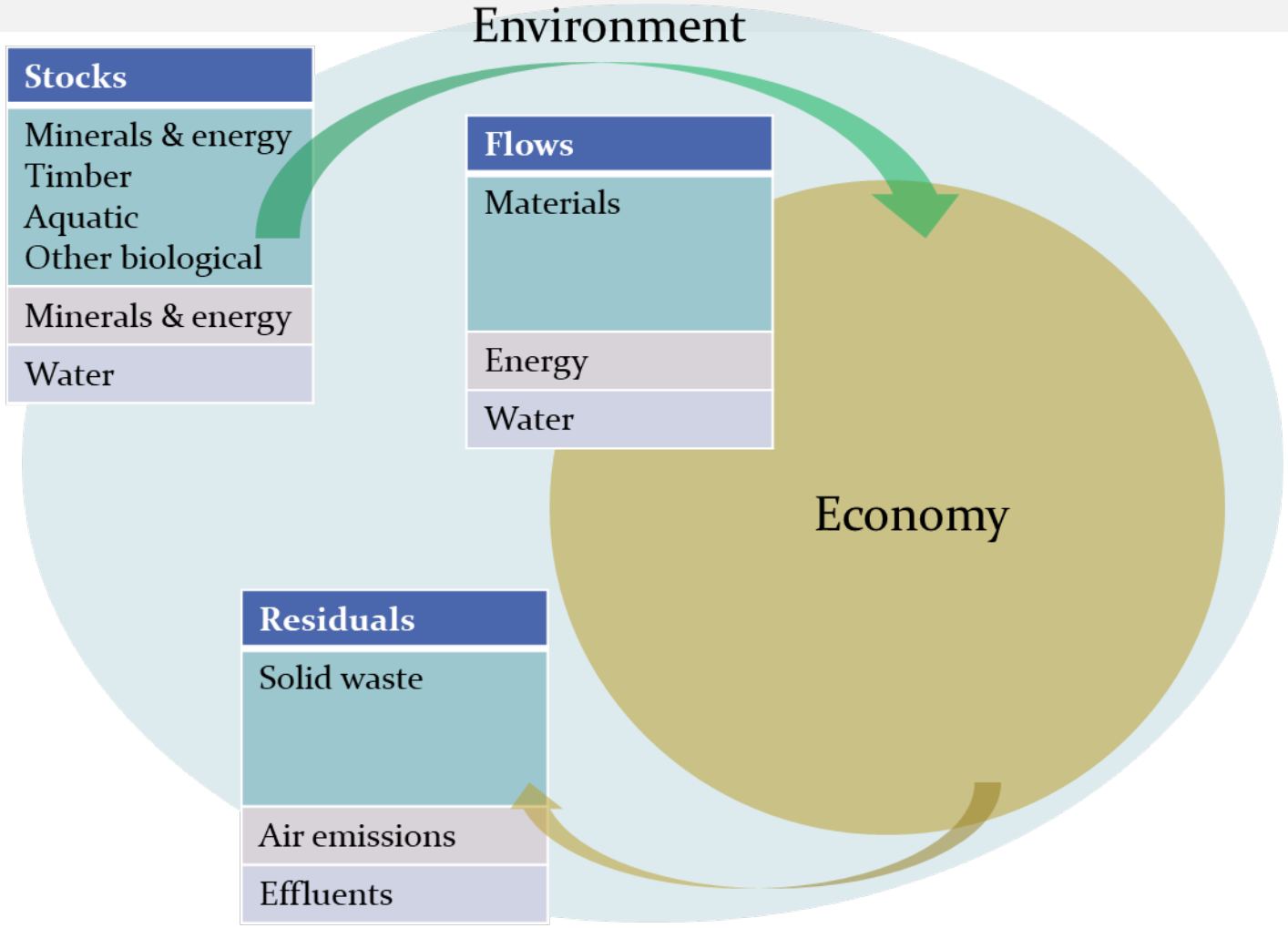
Presentation Outline

- Quick recap of SEEA Central Framework
- SEEA activity in Asia and the Pacific
- Available technical support
- Questions?

SEEA Central Framework includes various elements

SEEA-CF (Central Framework)	• **Assets** • **Physical flows** • **Monetary flows**	• Minerals & Energy, Land, Timber, Soil, Water, Aquatic, Other Biological • Materials, Energy, Water, Emissions, Effluents, Wastes • Protection expenditures, taxes & subsidies
SEEA Water; **SEEA Energy;** **SEEA Agriculture, Forestry and Fisheries**	Add sector detail	As above for • Water • Energy • Agricultural, Forestry and Fisheries

SEEA CF addresses stocks, flows, and residuals in relation to economy and environment



SEEA CF provides structure for asset accounts

- **Range of assets (e.g., energy, land, minerals, timber, water)**

Opening stock of environmental assets
Additions to stock
Growth in stock
Discoveries of new stock
Upward reappraisals
Reclassifications
Total additions of stock
Reductions of stock
Extractions
Normal loss of stock
Catastrophic losses
Downward reappraisals
Reclassifications
Total reductions in stock
Revaluation of the stock[a]
Closing stock of environmental assets

[a] Only applicable for asset accounts in monetary terms.

SEEA CF includes tables for supply and use of physical flows

	Industries	Households	Accumulation	Rest of the world	Environment	Total
Supply table						
Natural inputs					Flows from the environment	Total supply of natural inputs
Products	Output			Imports		Total supply of products
Residuals	Residuals generated by industry	Residuals generated by final household consumption	Residuals from scrapping and demolition of produced assets			Total supply of residuals
Use table						
Natural inputs	Extraction of natural inputs					Total use of natural inputs
Products	Intermediate consumption	Household final consumption	Gross capital formation	Exports		Total use of products
Residuals	Collection and treatment of waste and other residuals		Accumulation of waste in controlled landfill sites		Residual flows direct to environment	Total use of residuals

Note: Dark grey cells are null by definition. Blank cells may contain relevant flows, which are explained in detail in chapter III.

SEEA CF also addresses monetary flows and asset values

- Guidance for estimating monetary values of transactions and other flows (including in absences of market values)
- Disaggregation to identify those transactions related to environment

	Industries	Households	Government	Accumulation	Rest of the world	Total
Supply table						
Products	Output				Imports	Total supply
Use table						
Products	Intermediate consumption	Household final consumption expenditure	Government final consump-tion expendi-ture	Gross capital formation (including changes in inventories)	Exports	Total use
	Value added					

Note: Dark grey cells are null by definition.

SEEA CF allows for consistent reporting of aggregate indicators

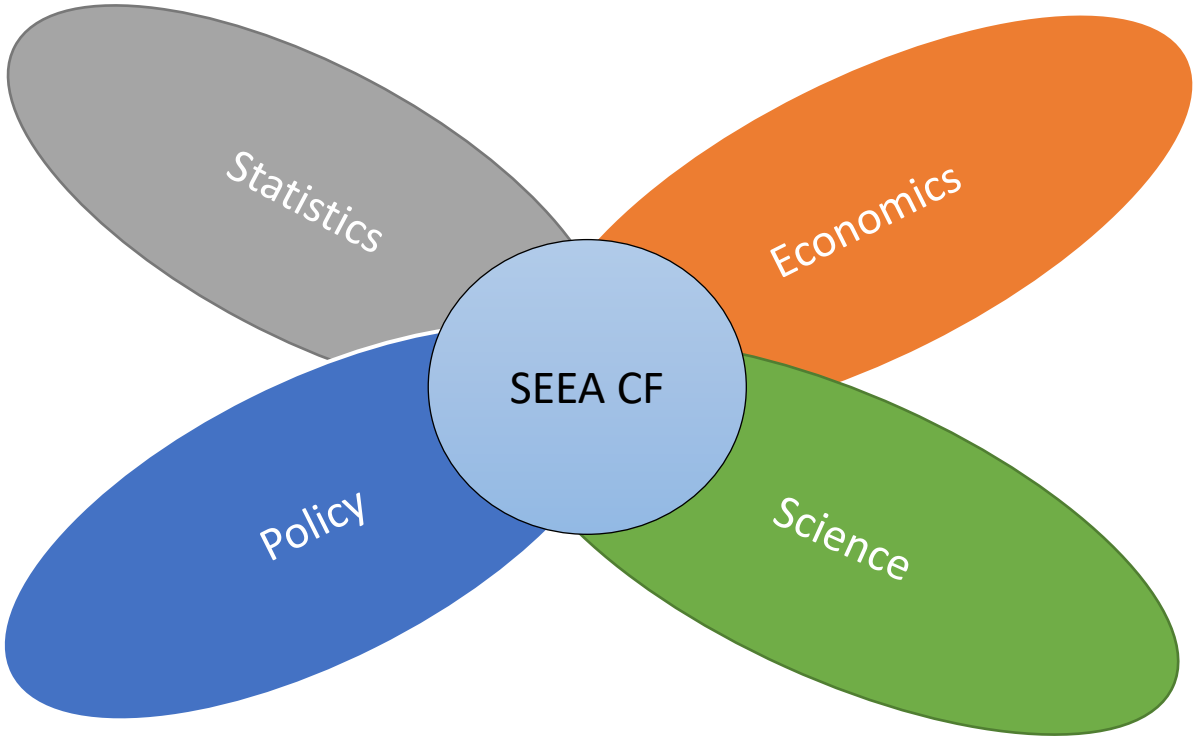
- **Various national policy-relevant indicators**
  - Energy and water use (domestic use, by industry)
  - Composition of energy supply and use (e.g., renewables share)
  - Material footprint analysis
  - Land cover change by land cover type
- **Supports SDG Indicators across 9 SDGs, including:**
  - Goal 6: Clean Water and Sanitation
  - Goal 7: Affordable and Clean Energy
  - Goal 12: Responsible Consumption and Production
  - Goal 14: Life Below Water
  - Goal 15: Life on Land

Implementation Progress in Asia-Pacific

SEEA implementation in Asia and Pacific region is well underway

Note: Updating of map upnderway

SEEA CF implementation is broader than NSOs



Support is available for CF implementation

- **Training materials and modules**
  - SIAP (siap-elearning.org)
- **Diagnostic tool (https://stat-confluence.escap.un.org/display/RPOES/Tools%3A+Diagnostic+Tool)**
- **Experiences and lessons learned from other countries**
- **ESCAP regional adviser, environment statistics**

Structured approach to implementation most beneficial

1. Institutional and policy readiness
2. Diagnostic Tool for self-assessment
3. Inventory relevant data
4. Work Plan with agreed tasks and timelines
5. Capacity Building on priority statistics (SEEA & FDES)
6. Compile data for pilot statistics
7. Improve & finalize → Publish as official

SEEA implementation experience has generated lessons learned

What works	What doesn't work
Using **existing** institutional mechanisms (takes time to establish new ones)	Working **without high-level support** (no support = no commitment, no demand)
Rapid assessment to work plan (can be done in one day national workshop)	NSO working **alone** (Don't ask what your clients can do for you, ask what you can do for your clients)
A **champion** (can motivate collaboration and funding)	Consultants creating **one-time outputs** (no involvement = no capacity building)
Doing what you can with **available** data	**Not engaging** users (policy & planning) (results won't be used)
Publishing pilot (in progress) work for feedback	Working **without an inter-departmental assessment** (unclear priorities and lack of agreement)
Share the success with stakeholders, other countries and international community	
May focus on "**feasible**" rather than "priority" as proof of concept (sometimes difficult to establish priorities)	

Questions?

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