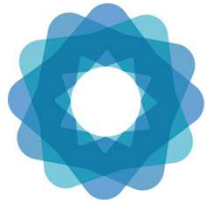


System of Environmental Economic Accounting



System of
Environmental
Economic
Accounting

OVERVIEW OF THE SEEA AND EE-SUTS IN AFRICA

Ivo Havinga

United Nations Statistics Division



United Nations

Statistics for sustainable development

Sustainable Development Policy

Evidence Based

Integrated

Integrated Information System

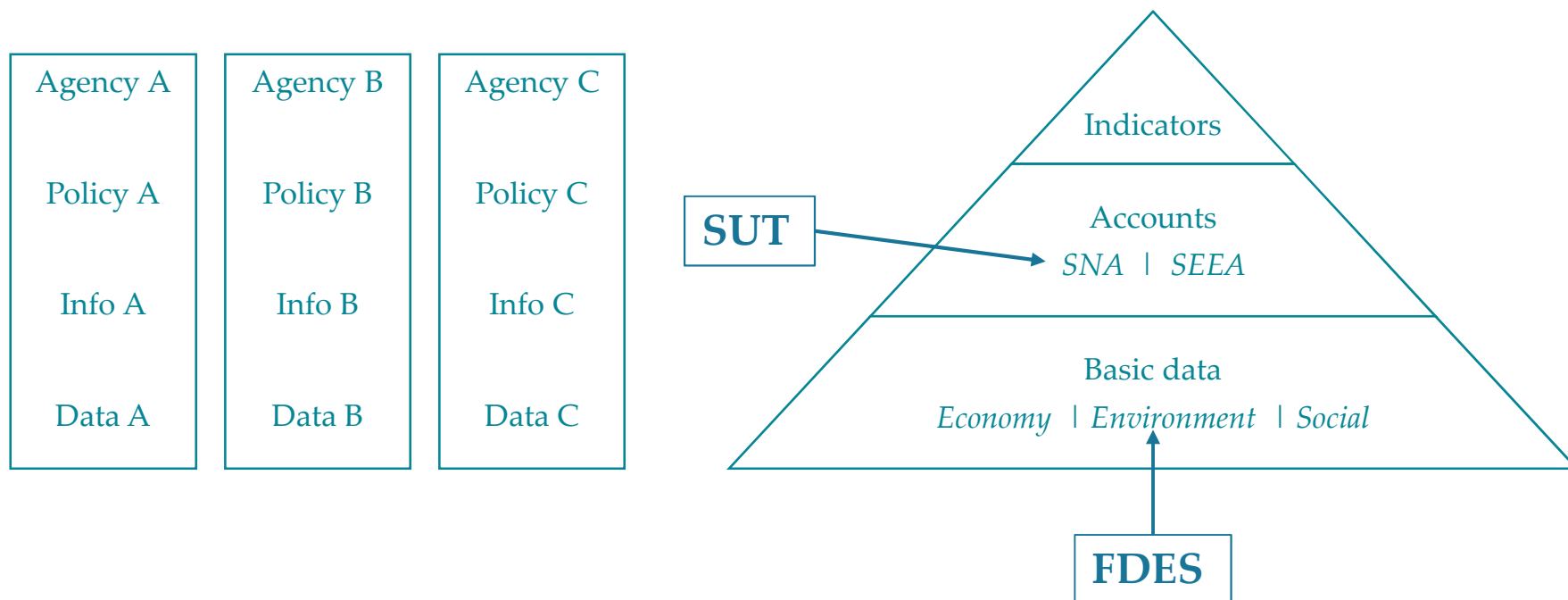
Applies a uniform standard approach

Integrates environmental, economic and social information

Captures synergies and trade-offs



Silo approach → Integrated statistics



- Address institutional arrangements
- Integrate statistical production process and services
- Ensure consistency between basic data, accounts and indicators

Silo approach → Integrated statistics



International statistical standard

- The **SEEA Central Framework** was adopted as an international statistical standard by the UN Statistical Commission in 2012
- The **SEEA Experimental Ecosystem Accounting** complements the Central Framework and represents international efforts toward coherent ecosystem accounting

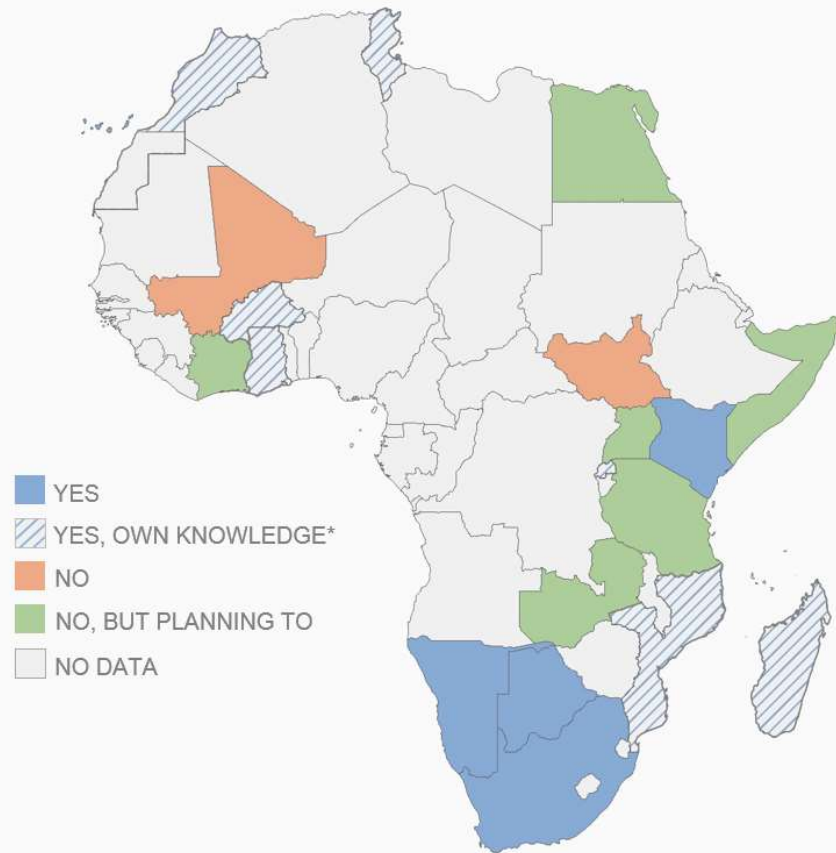


Implementation of the SEEA

- Implementation strategy (2013) objectives:
 - > Adopt the SEEA as the measurement framework for sustainable development
 - > Mainstream SEEA implementation in countries
 - **Target 100 countries by 2020** for implementation of SEEA Central Framework
 - **Target 50 countries by 2020** for implementation of SEEA Experimental Ecosystem Accounting
 - > Establish technical capacity for regular reporting
 - Training materials
 - Guidance documents
 - Knowledge platform

2017 Global Assessment

Has the country implemented an environmental-economic accounting programme?



14 out of 56
countries/territories
responded in
Africa, resulting in
a response rate of
25%

*SEEA activities taking place

Note: Not all responding countries are shown due to confidentiality reasons

Available tools

- SEEA website (seea.un.org)
 - > Source for latest methodological documents and information on capacity building and coordination
 - > “Super calendar” of SEEA-related events
- UNSD e-Learning platform (<https://elearning-cms.unstats.un.org/>)
 - > Introduction to SEEA Central Framework
 - > Arabic, English, Russian; French coming soon
 - > In-depth training on water accounting (English)
 - > In-depth training on energy and ecosystem accounting coming soon

Technical notes

- Short practical documents designed for those beginning compilation of accounts
- Summarizes data requirements and other operational considerations to provide sufficient guidance to initiate development of accounts
- Notes on energy, water, air emissions, environmental goods and services sector, environmental protection expenditure, MFA and land accounts available
- Focus on core accounts for each module

Core accounts for water (eg: PSUT)

PHYSICAL SUPPLY TABLE	Industries (by ISIC)								Households	Flows from the Rest of the World (Imports)	Flows from the Environment	TOTAL SUPPLY	
	Agriculture, Forestry & Fishery	Mining and Quarrying	Manufacturing	Electricity, gas, steam & air conditioning supply	Water collection, treatment & supply	Sewerage	Other Industries	Total Industry					
	(ISIC A)	(ISIC B)	(ISIC C)	(ISIC D)	(ISIC 36)	(ISIC 37)							
1. Sources of Abstracted Water:													
Inland Water Resources											967	967	
<i>of which: Surface water</i>											441	441	
<i>of which: Groundwater</i>											476	476	
Other Water Sources											202	202	
TOTAL SUPPLY ABSTRACTED WATER											1 169	1 169	
2. Water:													
For distribution	0	0	0	0	378	0	0	378		0		378	
For own use	108	34	80	404	14	100	2	743				743	
3. Wastewater and reused water:													
Wastewater to treatment	18	35	82	6	1	0	49	191	236			427	
Own treatment of wastewater	0	0	0	0	0	0	0	0	0			0	
Reused water produced (for distribution)	0	3	7	0	0	43	0	53	0			53	
TOTAL WASTEWATER AND REUSED WATER	18	38	89	6	1	43	49	244	236			479	
4. Return flows of water:													
To inland water resources	65	7	16	300	47	228	1	664	5			668	
To other sources	0	2	5	100	0	256	0	363	0			363	
TOTAL RETURN FLOWS	65	9	21	400	47	484	1	1 026	5			1 031	
<i>of which: losses in distribution</i>	0	0	0	0	47	0	0	47	0			47	
5. Evaporation of abstracted water, transpiration and water incorporated into products:													
TOTAL WATER EVAPORATED, TRANSPIRED AND INCORPORATED INTO PRODUCTS	76	13	30	3	2	1	4	128	10			138	
6. TOTAL SUPPLY													
	268	94	220	812	443	627	56	2 520	250		0	1 169	3 939

Core accounts for water (eg: PSUT)

PHYSICAL USE TABLE	Industries (by ISIC)								Households	Accumulation	Flows to the Rest of the World (Exports)	Flows to the Environment	TOTAL USE	
	Agriculture, Forestry & Fishery	Mining and Quarrying	Manufacturing	Electricity, gas, steam & air conditioning supply	Water collection, treatment & supply	Sewerage	Other Industries	Total Industry						
	(ISIC A)	(ISIC B)	(ISIC C)	(ISIC D)	(ISIC 36)	(ISIC 37)								
1. Sources of Abstracted Water:														
Inland Water Resources	108	34	80	304	437	0	2	967					967	
<i>of which: Surface water</i>	55	24	56	301	5	0	0	441					441	
<i>of which: Groundwater</i>	3	10	24	3	433	0	2	476					476	
Other Water Sources	0	0	0	100	2	100	0	202					202	
TOTAL USE ABSTRACTED WATER	108	34	80	404	440	100	2	1 169					1 169	
2. Water (use):														
Use of distributed water	39	14	32	4	0	0	51	139	240		0		378	
Own use of abstracted water	108	34	80	404	3	100	2	733	11				743	
3. Wastewater and reused water:														
Wastewater received from other units					0	427		427			0		427	
Own treatment of wastewater	0	0	0	0	0	0	0	0	0				0	
Re-used water (distributed reuse)	12	12	28	0	0	0	0	53	0				53	
TOTAL WASTEWATER AND REUSED WATER	12	12	28	0	0	427	0	479	0		0		479	
4. Return flows of water:														
To inland water resources													668	668
To other sources													363	363
TOTAL RETURN FLOWS													1 031	1 031
5. Evaporation of abstracted water, transpiration and water incorporated into products:														
TOTAL WATER EVAPORATED, TRANSPIRED AND INCORPORATED INTO PRODUCTS										10			128	138
6. TOTAL USE	268	94	220	812	443	627	56	2 520	250	10	0	1 159	3 939	

Implementation Strategy for Africa

- Formulation of national plans and provision of technical assistance for country implementation
 - > UN DA 10th Tranche
 - > Kenya: energy
 - > Uganda: water
- Projects
 - > E.U. funded National Capital Accounting and Valuation of Ecosystem Services
 - > WAVES partnership
- Blended learning initiative
 - > French translation of UNSD e-Learning module on SEEA Central Framework



THANK YOU

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