



Core tables for water

United Nations Statistics Division



Outline of presentation

- Reasons and mandate
- Core Accounts and core tables
- Core table 1 for water
- Core table 2 for water
- Indicators/aggregates
- Compilation
- Extension
- Plan going forward



Reasons and mandate

- Core tables provide concise, highly relevant information
- Information is key to deriving indicators and aids in developing evidence based public policies
- UNSC at its 44th session urged UNCEEA to develop a core set of tables and accounts
- Core tables will be developed for:
 - Water accounting
 - Energy accounting
 - MFA and waste accounting
 - Air emission accounting
 - Land accounting
 - Forest accounting
 - Environmental Protection Expenditures Accounting
 - Environmental Goods and Services Sector
 - Environmental taxes and subsidies



Core tables and accounts

- **Core accounts** are the key accounts from SEEA CF that are relevant for the topic of the technical note. For example, the core accounts for the technical note on water accounting are the physical supply and use tables for water and the water asset accounts.
- The **core tables** provide an aggregated set of data which provides enough information to derive relevant indicators. The data in the core tables directly comes from the core accounts, but is combined with other relevant data sources such as the national accounts and labour statistics.



Core tables have three functions:

1. For **compilers** they provide an overview of the end result of their compilation efforts and help them in deciding what core accounts to compile first.
2. For **users of the accounts** (i.e. researchers, policymakers, etc.) they present an overview of the key data and indicators that can be derived from the accounts
3. For **international agencies** they can be used as a starting point in the development of common reporting tables and development of global databases



Core accounts for water

Core table 1 is composed of 3 **core accounts**:

- **First block** shown below—contains information on physical supply and use of water
- Information is part of the physical supply and use table for water which contains more details
- Codes correspond to data items from IRWS

	Industries (by ISIC categories)							Rest of the world	Taxes less subsidies on products, trade and transport margins	Actual final consumption			Total
	ISIC 01-03	ISIC 05-33, 41-43	ISIC 35	ISIC 36	ISIC 37	ISIC 38,39, 45-99	Total industry			Households	Government	Capital Formation	
6. Supply of water (Millions m3)	F+H	F+H	F+H	F+H	F+H	F+H	F+H	G.2+G.4				F+H+G2+G4	
Supply of water to other economic units	F	F	F	F	F	F	F	G.2+G.4				F+G2+G4	
Total returns	H	H	H	H	H	H	H					H	
Losses	I	I	I	I	I	I	I					I	
7. Use of water (Millions m3)	E+G	E+G	E+G	E+G	E+G	E+G	E+G	F.2+F.4				E+G+F.2+F.4	
Total Abstraction	E	E	E	E	E	E	E					E	
<i>of which:</i> Abstraction for own use	E.a	E.a	E.a	E.a	E.a	E.a	E.a					E.a	
Use of water received from other economic units	G	G	G	G	G	G	G	F.2+F.4				G+F.2+F.4	



Core accounts for water

- **Second block** shown below—contains information on supply and use for water products in monetary terms
- Information is part of the monetary supply and use table for water which contains more details
- National accounts data can be used to populate table to the extent possible

	Industries (by ISIC categories)							Rest of the world	Taxes less subsidies on products, trade and transport margins	Actual final consumption			Total
	ISIC 01-03	ISIC 05-33, 41-43	ISIC 35	ISIC 36	ISIC 37	ISIC 38,39, 45-99	Total industry			Households	Government	Capital Formation	
1. Supply of water products (Currency units)													
Natural water	L.1.1	L.1.1	L.1.1	L.1.1	L.1.1	L.1.1	L.1.1		M.1.1.1- [N.1.1.1+N.1.2.1]				L.1.1+M.1.1.1- [N.1.1.1+N.1.2.1]
Sewerage services	L.1.2	L.1.2	L.1.2	L.1.2	L.1.2	L.1.2	L.1.2		M.1.1.2- [N.1.1.2+N.1.2.2]				L.1.2+M.1.1.2- [N.1.1.2+N.1.2.2]
3. Intermediate consumption and final use (Currency units)													
Natural water	L.4	L.4	L.4	L.4	L.4	L.4	L.4						
Sewerage services	L.5	L.5	L.5	L.5	L.5	L.5	L.5						
Other products													
4. Gross value added (Currency units)													



Core accounts

- **Third block** contains monetary information on water related assets
- Information is relevant for a more complete understanding of the investment needs in the water sector

	Industries (by ISIC categories)							Rest of the world	Taxes less subsidies on products, trade and transport margins	Actual final consumption		Capital Formation	Total
	ISIC 01-03	ISIC 05-33, 41-43	ISIC 35	ISIC 36	ISIC 37	ISIC 38,39, 45-99	Total industry			Households	Government		
8. Gross fixed capital formation (Currency units)													
For water supply	P.1.1	P.1.1	P.1.1	P.1.1	P.1.1	P.1.1	P.1.1						P.1.1
For water sanitation	P.1.2	P.1.2	P.1.2	P.1.2	P.1.2	P.1.2	P.1.2						P.1.2
9. Closing Stocks of fixed assets for water supply (Currency units)	O.1.1	O.1.1	O.1.1	O.1.1	O.1.1	O.1.1	O.1.1						O.1.1
10. Closing Stocks of fixed assets for water sanitation (Currency units)	O.1.2	O.1.2	O.1.2	O.1.2	O.1.2	O.1.2	O.1.2						O.1.2



Core table 1-putting it all together

	Industries (by ISIC categories)							Rest of the world	Taxes less subsidies on products, trade and transport margins	Actual final consumption			Total
	ISIC 01-03	ISIC 05-33, 41-43	ISIC 35	ISIC 36	ISIC 37	ISIC 38,39, 45-99	Total industry			Households	Government	Capital Formation	
1. Supply of water products (Currency units)													
Natural water	L.1.1	L.1.1	L.1.1	L.1.1	L.1.1	L.1.1	L.1.1		M.1.1.1-[N.1.1.1+N.1.2.1]				L.1.1+M.1.1.1-[N.1.1.1+N.1.2.1]
Sewerage services	L.1.2	L.1.2	L.1.2	L.1.2	L.1.2	L.1.2	L.1.2		M.1.1.2-[N.1.1.2+N.1.2.2]				L.1.2+M.1.1.2-[N.1.1.2+N.1.2.2]
2. Total supply of products													
3. Intermediate consumption and final use (Currency units)													
Natural water	L.4	L.4	L.4	L.4	L.4	L.4	L.4						
Sewerage services	L.5	L.5	L.5	L.5	L.5	L.5	L.5						
Other products													
4. Gross value added (Currency units)													
5. Employment													
6. Supply of water (Millions m3)													
Supply of water to other economic units	F+H	F+H	F+H	F+H	F+H	F+H	F+H	G.2+G.4					F+H+G.2+G.4
Total returns	F	F	F	F	F	F	F	G.2+G.4					F+G.2+G.4
Losses	H	H	H	H	H	H	H						H
7. Use of water (Millions m3)													
Total Abstraction	I	I	I	I	I	I	I	F.2+F.4					E+G+F.2+F.4
<i>of which:</i> Abstraction for own use	E	E	E	E	E	E	E						E
Use of water received from other economic units	E.a	E.a	E.a	E.a	E.a	E.a	E.a						E.a
8. Gross fixed capital formation (Currency units)													
For water supply	G	G	G	G	G	G	G	F.2+F.4					G+F.2+F.4
For water sanitation	P.1.1	P.1.1	P.1.1	P.1.1	P.1.1	P.1.1	P.1.1						P.1.1
9. Closing Stocks of fixed assets for water supply (Currency units)													
10. Closing Stocks of fixed assets for water sanitation (Currency units)													
11. Water consumption (Millions m3)													



Core table 1

- Countries can start by compiling information that is most policy relevant and focus on the any of building blocks to core table 1 if information on other building blocks is not readily available
- Core tables are flexible in that if more detailed information is required, rows/columns can be further disaggregated as necessary.



Indicators

- Core tables contain the necessary information for deriving numerous indicators on water
 - Total renewable water resources
 - Total abstractions by industry
 - Intensity of use of water resources
 - Water productivity/intensity indicators
 - Investments in water infrastructure



Compilation

- Section contains relevant information on how to go about compiling the core accounts and core tables.
 - Basic steps
 - Main data sources
 - Challenges



Extensions

- Links to basic data
- Links to other accounts
 - Emissions to water
 - Energy accounts (use of water by hydro plants)



Going forward

- June 2014 – UNCEEA to review the proposed structure of the technical notes along with draft notes for water and energy
- July-October 2014 - Editor to draft technical notes with input from London group topic leaders
- October-November 2014 - Broad consultation on the technical notes including LG and NSOs