



Core tables for water

Alessandra Alfieri
United Nations Statistics Division

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for the SEEA Central Framework in the ECOWAS and
COMESA regions



Rationale and mandate

- UNSC at its 44th session urged UNCEEA to develop a core set of tables and accounts
- Core tables provide concise/aggregate information from which relevant indicators can be derived
- Common basis for compilation and country comparison
- Tricky to find a balance between complexity of the tables (level of detail and presentation) and relevance
- Appealing to various communities



Structure of the document

- Combination of technical notes and core tables
- Part I – Core tables
- Part II – Indicators
- Part III – Compilation issues
 - Basic steps to compile the tables
 - Main data sources
 - Main measurement challenges
- Annex – List of data items



Building blocks to table 1

- Core table 1 is composed of 3 major blocks
- First block contains information on physical supply and use of water
- Data items in the tables are linked to the codes in the International Recommendations for Water Statistics



Building block 3 to table 1

Water related assets

Table 1.5 Part of core table on capital formation and fixed assets by ISIC

	Industries (by ISIC division)						Total industry	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				Households	Government	
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 sewerage/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
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
Closing Stocks of fixed assets for sewerage/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- Combined physical supply and use table

Core table 1 - Combined physical and monetary table

	Industries (by ISIC division)							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	
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			L.1.1+M.1.1.1-N.1.1.1
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			L.1.2+M.1.1.2-N.1.1.2
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			L.4		L.4
Sewerage services	L.5	L.5	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. Use of water (Millions m3)												
Total Abstraction	E+G	E+G	E+G	E+G	E+G	E+G	E+G	F.2+F.4				E+G+F.2+F.4
Use of water received from other economic units	G	G	G	G	G	G	G	F.2+F.4		G	G	G+F.2+F.4
Distributed water	G.1+G.2	G.1+G.2	G.1+G.2	G.1+G.2	G.1+G.2	G.1+G.2	G.1+G.2	F.2		G.1+G.2	G.1+G.2	G.1+G.2+F.2
Received wastewater	G.3+G.4	G.3+G.4	G.3+G.4	G.3+G.4	G.3+G.4	G.3+G.4	G.3+G.4	F.4				G.3+G.4+F.4
7. Supply of water (Millions m3)												
Supply of water to other economic units	F	F	F	F	F	F	F	F	G.2+G.4			F+G.2+G.4
Distributed water/water for own use	F.1+F.2	F.1+F.2	F.1+F.2	F.1+F.2	F.1+F.2	F.1+F.2	F.1+F.2	F.1+F.2				F.1+F.2+G.2
Wastewater	F.3.1+F.4.1	F.3.1+F.4.1	F.3.1+F.4.1	F.3.1+F.4.1	F.3.1+F.4.1	F.3.1+F.4.1	F.3.1+F.4.1	G.4.1				F.3.1+F.4.1+G.4.1
Reused water	F.3.2+F.4.2	F.3.2+F.4.2	F.3.2+F.4.2	F.3.2+F.4.2	F.3.2+F.4.2	F.3.2+F.4.2	F.3.2+F.4.2	G.4.2				F.3.2+F.4.2+G.4.2
Total returns	H	H	H	H	H	H	H	H				H
of which: losses	I	I	I	I	I	I	I					I
8. Water consumption (Millions m3)												
9. 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 sewerage/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
10. 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					O.1.1
11. 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					O.1.2

Note: The codes in the tables are provided as an indication that the data items are in the IREWS. They may be to be revised.



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
- Core tables are flexible and can be adjusted to the policy needs and information available in countries
 - Rows/columns can be further disaggregated as necessary



Core table 2

Changes in stocks of water resources

Core table 2 – Water resources accounts

	Type of water resource						Total	
	Surface water				Groundwater	Soil water		
	Artificial	Lakes	Rivers	Glaciers, snow and ice				
Additions to stock								
Returns	H.1.1.1	H.1.1.2	H.1.1.3		H.1.1.4	H.1.2	H	
Precipitation	B.1	B.1	B.1		B.1		B.1	
Inflows from other territories	B.2.1	B.2.1	B.2.1		B.2.1	B.2.1	B.2.1	
Inflows from other inland water resources							D	
Discoveries of water in aquifers								
Reductions in stock								
Abstraction	E.1.1.1	E.1.1.2	E.1.1.3		E.1.1.5	E.1.2	E.1.3	E
for hydro power generation								E.a.a
for cooling water								E.a.e
Evaporation & actual evapotranspiration	C.1	C.1	C.1		C.1		C.1	C.1
Outflows to other territories			C.2.1		C.2.1	C.2.1		C.2.1
Outflows to the sea			C.2.2		C.2.2	C.2.2		C.2.2
Outflows to other inland water resources								D
Changes in stocks								



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
 - Losses



The way forward

- Mandate comes from the UNSC
- Extensive consultations to be held
 - London Group
 - International organizations
 - National statistical offices
 - Water community
- Tables may need to be revised depending on the outcome of the SDGs indicators related to water
- Draft to be considered by the UNCEEA