Table 2

SEEA Physical Use table for materials

Physical units (tonnes)

		Intermediate consumption of industries (by ISIC categories)										
		Agriculture, fishing and mining	Manufacturing, electricity etc. and construction	Services	Total	Final consumption	Capital formation	Change in inventories	Exports	**Total use by the economy**	**Environment - losses and returns**	**Total use (= total supply)**
4. Use of material products received from other economic units *of which:*												
4.a (CPC...)												
4.b (CPC…)			100							100		100
4.c (CPC…)											10	10
4.d (CPC…)												
4.e (CPC…) etc.												
5. Materials: own use *of which:*												
5.a												
5.b												
5.c												
5.d												
5.e etc.												
6. Use of materials received from the environment *of which:*												
6.a		110								110		110
6.b												
6.c												
6.d												
6.e etc.												
Total use (physical units)		110	100							10	10	220

Table 2 - alternative

SEEA Physical Use table for material products

Physical units (tonnes)

			Intermediate consumption of industries (by ISIC categories)										
			Agriculture, fishing and mining	Manufacturing, electricity etc. and construction	Services	Total	Final consumption	Capital formation	Change in inventories	Exports	**Total use by the economy**	**Environment - losses and returns**	**Total use (= total supply)**
Within the economy	**4. Use of material products received from other economic units** *of which:*												
	4.a (CPC...)												
	4.b (CPC…)												
	4.c (CPC…)												
	4.d (CPC…)												
	4.e (CPC…) etc.												
	5. Material products - own use *of which:*												
	5.a (CPC...)												
	5.b (CPC…)												
	5.c (CPC…)												
	5.d (CPC…)												
	5.e (CPC…) etc.												
Total use (physical units)													

Table 4

SEEA Monetary use table for material products

Monetary units

			Intermediate consumption of industries (by ISIC categories)				Final consumption					
			Agriculture, fishing and mining	Manufacturing, electricity etc. and construction	Services	Total	Households	Government	Capital formation	Change in inventories	Exports	Total use
Within the economy	**2. Use of material products received from other economic units**											
	of which:											
	2.a (CPC...)											
	2.b (CPC…)											
	2.c (CPC…)											
	2.d (CPC…)											
	2.e (CPC…) etc.											
Total use												

Table 5

SEEA Hybrid account for supply and use of materials

	Industries (by ISIC categories)									
	Agriculture, fishing and mining	Manufacturing, electricity etc. and construction	Services	Total industry	Households	Rest of the world	Taxes less subsidies on products, trade and transport margins	Final consumption	Capital Formation	Total
1. Output and supply of material products (monetary units)										
of which:										
1.a (CPC...)										
1.b (CPC…)										
1.c (CPC…)										
1.d (CPC…)										
1.e (CPC…) etc.										
2. Total intermediate consumption and use of material products (monetary units)										
of which:										
2.a (CPC...)										
2.b (CPC…)										
2.c (CPC…)										
2.d (CPC…)										
2.e (CPC…) etc.										
3. Gross fixed capital formation (monetary units)										
of which related to:										
3.a (CPC...)										
3.b (CPC…)										
3.c (CPC…)										
3.d (CPC…)										
3.e (CPC…) etc.										
4. Environmental taxes (monetary units)										
of which related to:										
4.a (CPC...)										
4.b (CPC…)										
4.c (CPC…)										
4.d (CPC…)										
4.e (CPC…) etc.										
5. Environmental subsidies (monetary units)										
of which related to:										
5.a (CPC...)										
5.b (CPC…)										
5.c (CPC…)										
5.d (CPC…)										
5.e (CPC…) etc.										
6. Depletion of environmental assets (monetary units)										
of which related to:										
6.a										
6.b										
6.c										
6.d										
6.e etc.										
Total use of material products (physical units)										
7. Use of material products received from other economic units and own use										
of which:										
7.a (CPC...)										
7.b (CPC…)										
7.c (CPC…)										
7.d (CPC…)										
7.e (CPC…) etc.										
8. Use of materials received from the environment										
of which:										
8.a										
8.b										
8.c										
8.d										
8.e etc.										
Total supply of material products (physical units)										
9. Materials supplied by the environment to other units										
of which:										
9.a										
9.b										
9.c										
9.d										
9.e etc.										
10. Supply of material products within the economy to other economic units										
of which:										
10.a (CPC…)										
10.b (CPC…)										
10.c (CPC…)										
10.d (CPC…)										
10.e (CPC…) etc.										
11. Material products - losses and returns to the environment										
of which:										
11.a (CPC...)										
11.b (CPC…)										
11.c (CPC…)										
11.d (CPC…)										

11.e (CPC…) etc.								

Table 7 **SEEA Physical use table for energy**

	Use																										
	Intermediate Consumption, Industries by ISIC																			Final consumption					Total use by the economy	To the environment - Losses and re-turns
	A	B			C				D				E	F	G	H	I-U	Total		Private consumption	Changes in inventories	Exports		Total final consumption		
	Agriculture, forestry and fishing	Mining and quarrying	*of which* B. 05 *Mining of coal and lignite*	*of which* B. 06 *Extraction of crude petroleum and natural gas*	Manufacturing	*of which* C. 19 *Manufacture of coke and refined petroleum products*	*of which* C. 2011 *Manufacture of basic chemicals*	- *Non-energy purposes*	Electricity, gas steam and air conditioning supply	*of which* D. 351 *Electric power generation, etc.*	*of which* D. 352 *Manufacture of gas; distribution, etc.*	*of which* D. 353 *Steam and air conditioning supply*	Water supply; etc.	Construction	Wholesale and retail trade; etc.	Transportation and storage	Other Industries	Total Industries	*of which Non-energy purposes*			Total	*of which Sold to non-residents on national territory*			
	TeraJoule																										
Energy resources (gross																											
EA 111.1 Natural gas																											
EA111.2 Crude Oil																											
EA 111.3 Natural bitumen, extra heavy oil, shale oil, sand oil and others n.e.c.																											
EA 112.2 Coal																											
EA 112.3 Peat																											
EA 113.1 Uranium ores																											
Gross energy																											
1. Coal, coke, gas work gas and peat																											
a) Coal, coke and peat																											
b) Gas work gas																											
2. Oil																											
3. Natural Gas																											
4. Electricity																											
5. Heat																											
6. Renewable fuels and waste																											
a) Solid biomass and wastes																											
b) Liquid biofuels and biogas																											
Total use of energy																											
Transactions																											
1. Coal, coke, gas work gas and peat																											
a) Coal, coke and peat																											
b) Gas work gas																											
2. Oil																											
3. Natural Gas																											
4. Electricity																											
5. Heat																											
6. Renewable fuels and waste																											
a) Solid biomass and wastes																											
b) Liquid biofuels and biogas																											
Total transactions																											
Own use																											
1. Coal, coke, gas work gas and peat																											
a) Coal, coke and peat																											
b) Gas work gas																											
2. Oil																											
3. Natural Gas																											
4. Electricity																											
5. Heat																											
6. Renewable fuels and waste																											
a) Solid biomass and wastes																											
b) Liquid biofuels and biogas																											
Total own use																											
Losses and returns																											
1. Coal, coke, gas work gas and peat																											
a) Coal, coke and peat																											
b) Gas work gas																											
2. Oil																											
3. Natural Gas																											
Losses, flaring, venting and own use																											
Re-injection																											
4. Electricity																											
5. Heat																											
6. Renewable fuels and waste																											
a) Solid biomass and wastes																											
b) Liquid biofuels and biogas																											
Total losses and returns																											

TeraJoule
Total use incl. losses and returns

Table 9

SEEA Monetary use table for energy

Monetary units

	Use																									
	Intermediate Consumption, Industries by ISIC																				**Final consumption**					**Total use by the economy**
	A	B			C				D				E	F	G	H	I-U	**Total**		Private con-sump-tion	Chan-ges in inven-tories	Exports		**Total final con sump-tion**	
			of which				*of which*			*of which*												Total	*of which Sold to non-resi-dents on national territory*		
	Agriculture, forestry and fishing	Mining and quarrying	*B. 05 Mining of coal and lignite*	*B. 06 Extraction of crude petroleum and natural gas*	Manufacturing	*C. 19 Manufacture of coke and refined petroleum products*	*C. 2011 Manufacture of basic chemicals*	*- Non-energy purposes*	Electricity, gas steam and air conditioning supply	*D. 351 Electric power generation, etc.*	*D. 352 Manufacture of gas; distribution, etc.*	*D. 353 Steam and air conditioning supply*	Water supply; etc.	Construction	Wholesale and retail trade; etc.	Transportation and storage	Other Industries	Total Indu-stries	*of which Non-energy purpo-ses*						
	Monetary units																									
Use of energy products from other economic units																										
1. Coal, coke, gas work gas and peat																										
a) Coal, coke and peat																										
b) Gas work gas																										
2. Oil																										
3. Natural Gas																										
4. Electricity																										
5. Heat																										
6. Renewable fuels and waste																										
a) Solid biomass and wastes																										
b) Liquid biofuels and biogas																										
Total use of energy																										

Table 11

SEEA Hybrid account for use of energy

	Use																										
	Intermediate Consumption, Industries by ISIC																					Final consumption					Total use by the economy
	A	B			C					D				E	F	G	H	I-U	Total		Private consump-tion	Changes in inven-tories	Exports		Total final consump-tion	
	Agriculture, forestry and fishing	Mining and quarrying	*of which*		Manufacturing	*of which*				Electricity, gas steam and air conditioning supply	*of which*			Water supply; etc.	Construction	Wholesale and retail trade; etc.	Transportation and storage	Other Industries	Total Indu-stries	*of which Non-energy purposes*			Total	*of which Sold to non-resi-dents on national territory*		
			B. 05 Mining of coal and lignite	*B. 06 Extraction of crude petroleum and natural gas*		*C. 19 refined petroleum products*	*C. 2011 Manufacture of coke and chemicals*	*Manufacture of basic*	*- Non-energy purposes*		*D. 351 Electric power generation, etc.*	*D. 352 Manufacture of gas; distribution, etc.*	*D. 353 Steam and air conditioning supply*													
	Monetary units																										
Monetary use of energy products from other economic units																											
1. Coal, coke, gas work gas and peat																											
a) Coal, coke and peat																											
b) Gas work gas																											
2. Oil																											
3. Natural Gas																											
4. Electricity																											
5. Heat																											
6. Renewable fuels and waste																											
a) Solid biomass and wastes																											
b) Liquid biofuels and biogas																											
Total use of energy																											
Taxes on energy products																											
1. Coal, coke, gas work gas and peat																											
a) Coal, coke and peat																											
b) Gas work gas																											
2. Oil																											
3. Natural Gas																											
4. Electricity																											
5. Heat																											
6. Renewable fuels and waste																											
a) Solid biomass and wastes																											
b) Liquid biofuels and biogas																											
Physical use of energy products supplied by other economic units																											
1. Coal, coke, gas work gas and peat																											
a) Coal, coke and peat																											
b) Gas work gas																											
2. Oil																											
3. Natural Gas																											
4. Electricity																											
5. Heat																											
6. Renewable fuels and waste																											
a) Solid biomass and wastes																											
b) Liquid biofuels and biogas																											
Total transactions																											
Physical own use of energy products																											
1. Coal, coke, gas work gas and peat																											
a) Coal, coke and peat																											
b) Gas work gas																											

2. Oil 3. Natural Gas 4. Electricity 5. Heat 6. Renewable fuels and waste a) Solid biomass and wastes b) Liquid biofuels and biogas **Total own use**					

Emissions (CO2 equivalent) from use of energy products 1. Coal, coke, gas work gas and peat a) Coal, coke and peat b) Gas work gas 2. Oil 3. Natural Gas 4. Electricity 5. Heat 6. Renewable fuels and waste a) Solid biomass and wastes b) Liquid biofuels and biogas **Total CO2 equivalent emissions**					

Table 12

Bridge table Energy balances to SEEA for primary supply, conversion and end use of energy

Physical unts (terrajoules)

	Coal, coke and peat	Gas work gas	Oil	Natural gas	Electricity	Heat	Renewables - solid biomass and waste	Renewables - liquid biofuels and biogas	Total
Primary supply									
Primary supply, energy balances									
+ international marine bunkers									
+ exports									
- inventory decrease									
+ purchases by residents abroad									
= primary supply SEEA									
Conversion / transmission									
Energy balances net use for conversion									
+ energy sectors' own use of energy									
= SEEA net use for conversion									
End use									
End use energy balances									
+ energy sectors' own use of energy									
+ international marine bunkers									
+ exports									
- inventory decrease									
+ purchases by residents abroad									
= End use SEEA									

Table 14

SEEA Physical Use table for water products

Physical units (cubic metres)

		Intermediate consumption of industries (by ISIC categories)							Final consumption		Capital formation	Change in inventories	Exports	Total use
		1-3	5-33, 41-43	35	36	37	38, 39, 45-99	Total industry	Households	Government				
From the environment	**Use of water products** **4. Total abstraction (= 4.a +4.b = 4.i + 4.ii)** 4.a. Abstraction for own use 4.b. Abstraction for distribution 4.i. From water resources 4.i.1 Surface water 4.i.2 Groundwater 4.i.3 Soil water 4.ii. From other sources 4.ii.1 Collection of precipitation 4.ii.2 Abstraction from the sea													
Within the economy	**5. Use of water received from other economic units**													
6. Total use of water (= 4. + 5.)														
7. Consumption (= 6. - 3.)														

Table 16

SEEA Monetary Use table for water products

Monetary units

		Intermediate consumption of industries (by ISIC categories)							Final consumption		Capital formation	Change in inventories	Exports	Total use
		1-3	5-33, 41-43	35	36	37	38, 39, 45-99	Total industry	Households	Government				
Within the economy	**2. Use of water products received from other economic units** *of which:* 2.a. Natural water (CPC 1800) 2.b. Sewerage services (CPC 941)													
2. Total use of water (= 1.)														
3. Consumption (= 2. - 1.)														

Table 17

SEEA Hybrid account for supply and use of water products

Monetary units, Cubic metres

	Industries (by ISIC categories)							Rest of the world	Taxes less subsidies on products, trade and transport margins	Actual final consumption		Capital Formation	Total
	1-3	5-33, 41-43	35	36	37	38,39, 45-99	Total industry			Households	Government		
1. Total output and supply (monetary units)													
of which:													
1.a. Natural water (CPC 1800)													
1.b. Sewerage services (CPC 941)													
2. Total intermediate consumption and use (monetary units)													
of which:													
2.a. Natural water (CPC 1800)													
2.b. Sewerage services (CPC 941)													
3. Total value added (gross) (= 1. - 2.) (monetary units)													
4. Gross fixed capital formation (monetary units)													
of which:													
4.a. for water supply													
4.b. for water sanitation													
5. Stocks of fixed assets for water supply (monetary units)													
6. Stocks of fixed assets for water sanitation (monetary units)													
7. Total use of water (cubic metres)													
7.a. (U1) Total Abstraction													
of which: 7.a.1- Abstraction for own use													
7.b. Use of water received from other economic units													
8. Total supply of water (cubic metres)													
8.a. Supply of water to other economic units													
8.b. Total returns													
9. Total (gross) emissions of COD (tonnes)													