



Environmental accounting (SEEA)

- Satellite system of the System of National Accounts (SNA) to better measure the interrelationship between the economy and the environment
- Allows presentation of environmental data and information, in physical and monetary terms, and economic variables in a common data framework



Accounting approach

- Implicitly defines ownership and hence responsibility for environmental impacts
- Facilitates integrated economic-environmental analysis
- Provides a system into which monetary valuations of environmental costs can be incorporated
- Improves both economic and environmental statistics by encouraging consistency



ISIC

- International Standard Industrial Classification of all Economic Activities
- Allows to link ecological change to economic activities



ISIC - Examples

- A (01-02) - Agriculture, hunting and forestry
- C (10-14) - Mining and quarrying
- D (15-37) - Manufacturing
- E (40-41) - Electricity, gas and water supply
- F (45) - Construction
- O (90-94) - Other community, social and personal service activities



ISIC - Examples

D - Manufacturing

- ...
- 36 - Manufacture of furniture; manufacturing n.e.c.
- 37 - Recycling

E - Electricity, gas and water supply

- 40 - Electricity, gas, steam and hot water supply
- 41 - Collection, purification and distribution of water



ISIC

[http://unstats.un.org/unsd/cr/
registry/regcst.asp?Cl=17](http://unstats.un.org/unsd/cr/registry/regcst.asp?Cl=17)

Water asset account




Water asset account		EA.131 Surface water					EA.132 Groundwater	EA.133 Soil water	Total
		EA.1311 Reservoirs	EA.131 2 Lakes	EA.131 3 Rivers	EA.1314 Snow and Ice	EA.1315 Glaciers			
Opening Stocks									
Changes due to human activities	Abstraction	W2					W2		
	<i>of which</i> sustainable use						W1		
	Returns from the economy								
Changes due to natural processes	Precipitation							W1	
	Inflows from upstream territories							W1	
	Inflows from other resources in the territory								
	Evaporation/evapotranspiration							W1	
	Outflows to downstream territories							W1	
	Outflows to the sea								
	Outflows to other resources in the territory								
Other volume changes									
Closing Stocks									

Water use table



	ISIC						House holds	Rest of the World	Total
	ISIC 41	ISIC 01-05	ISIC 15-37	ISIC 40	OTHER				
Total Abstraction:									
from Water resources:									
Surface water	W2	W2	W2	W2	W2		W2		W3
Groundwater	W2	W2	W2	W2	W2		W2		W3
Soil water									
from Other sources (e.g. sea water)									W2
Use of distributed water								W2	W3
Of which wastewater (reused water)									W2*
Of which from ISIC 41	W3	W3	W3	W3	W3		W3		W3
Total use of water									

Water supply table

	ISIC						House holds	Rest of the World	Total
	ISIC 41	ISIC 01-05	ISIC 15-37	ISIC 40	OTHER				
Supply of distributed water	W3							W2	
Of which wastewater	ISIC 01-05	ISIC 10-14	ISIC 15-37	ISIC 40	OTHER				
									(*)
Total returns	ISIC 01-05	ISIC 10-14	ISIC 15-37	ISIC 40	OTHER				W2 W3
To Water Resources									
Surface Water									
Groundwater									
Soil water									
To other sources									
Total supply of water									



UNSD-DSD pilot project on water accounting in Morocco

- Institutional set-up at the national level
- Water accounts will be compiled at the river-basin level for all river basins and then combined in the national accounts
- Preliminary accounts have already been compiled for the pilot river basin Oum-Er-Bia



Thank you for your attention!