

The System of Environmental-Economic Accounting for Water SEEAW

Water Asset Accounts- Answers to Exercise

Training Session on the System of Environmental-Economic Accounting for Water (SEEAW) الدورة التدريبية حول نظام المحاسبة البيئية



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Answers to Exercise on Asset Accounts

Table 6.1 Asset Accounts

Opening Stocks and Increases in Stocks

Asset accounts		Physical units (Million Cubic Meters)						Total
		EA.131 Surface water				EA.132	EA.133	
		EA.1311	EA.1312	EA.1313	EA.1314	Groundw	Soil	
		Artificial	Lakes	Rivers	Snow, Ice	ater	water	
		Reservoirs			and			
					Glaciers			
1. Opening Stocks		1,500	2,700	5,000	0	100,000	500	109,700
Increases in stocks								
	2. Returns from the economy	300	0	53		315	0	668
	3. Precipitation	124	246	50			23,015	23,435
	4. Inflows	1,054	339	20,137		437	0	21,967
	4.a. from upstream territories			17,650				17,650
	4.b. from other resources in the territory	1,054	339	2,487	0	437	0	4,317

Table 6.1 Asset Accounts

Decreases in Stocks and Closing Stocks

		EA.131 Surface water				EA.132 Groundwater	EA.133 Soil water	Total
		EA.1311 Artificial Reservoirs	EA.1312 Lakes	EA.1313 Rivers	EA.1314 Snow, Ice and Glaciers			
Decreases in stocks								
	5. Abstraction	280	20	141		476	50	967
	6. Evaporation/Actual evapotranspiration	80	215	54			21,125	21,474
	7. Outflows	1,000	100	20,773	0	87	1,787	23,747
	7.a to downstream territories			9,430				9,430
	7.b to the sea			10,000				10,000
	7.c to other resources in the territory	1,000	100	1,343	0	87	1,787	4,317
8. Other changes in volume								
9. Closing Stocks		1,618	2,950	4,272		100,189	533	109,583

Note: Grey cells indicate non relevant or zero entries by definition.

Table 6.2 Matrix of Flows between Water Resources

Supplementary information to the asset accounts (Chapter 6)							
Matrix of flows between water resources							
Physical units (Million Cubic Meters)							
	EA.131 Surface water				EA.132 Groundwater	EA.133 Soil water	Outflows to other resources in the territory
	EA.1311 Artificial Reservoirs	EA.1312 Lakes	EA.1313 Rivers	EA.1314 Snow, Ice and Glaciers			
EA.1311 Artificial Reservoirs			1,000				1,000
EA.1312 Lakes			100				100
EA.1313 Rivers	1,000	293			50		1,343
EA.1314 Snow, Ice and Glaciers							
EA.132 Groundwater			87				87
EA.133 Soil water	54	46	1,300		387		1,787
Inflows from other resources in the territory	1,054	339	2,487	0	437	0	4,317