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Jordan
Experiences in
Water Statistics & Account

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Challenges

- Scarcity of fresh renewable water resources
- Overexploitation of renewable and non renewable ground water
- Limited capacity of waste water plants
- High losses of water supply to municipal sector during distribution (public net work) which reached to 50 percent as a result of leakages, theft, illegal tapping & malfunctioning metering.
- Limited capacity and number of dams which we have nine dams with storage capacity around 210 MCM
- Over 91 percent of the country receives less than 200 mm of rainfall per year

Physical use table, 2007

		Industries (by ISIC categories)					Households	Total
		1	36	37	others	Total		
From the environment	U1 - Total abstraction	506	294	0.0	49.0	849	0.0	849
	a.1- Abstraction for own use	506	0.0	0.0	49.0	555	0.0	555
	a.2- Abstraction for distribution	0.0	294	0.0	0.0	249	0.0	249
	b.1- From water resources:	506	294	0.0	49.0	849	0.0	849
	* Surface water	261	80	0.0	4.0	345	0.0	345
	* Groundwater	245	214	0.0	45.0	504	0.0	504
	* Soil water	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	b.2- From other sources	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	* Collection of precipitation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	* Abstraction from the sea	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Within the economy	U2 - Use of water received from other economic units	91	0.0	113	0.0	202	147	351
	<i>of which:</i> Reused water	91	0.0	0.0	0.0	91	0.0	91
	Wastewater to sewerage	0.0	0.0	113	0.0	113	0.0	113
Total use of water = U1+U2=		1200						

Physical Supply table

		Industries (by ISIC categories)					Households	Total
		1	36	37	others	Total		
Within the economy	S1- Supply of water to other economic units	0.0	147	91	23	271	90	351
	<i>of which:</i> Reused water	91	0.0	0.0	0.0	91	0.0	91
	Wastewater to sewerage	0.0	0.0	0.0	23	23	90	113
To the Environment	S2- total returns= (D1+D2)	60	140	6	5	211	0.0	211
	D1- to water resources	60	140	6	5	211	0.0	211
	* surface water	5	10	6	5	23	0.0	23
	* ground water	50	10	0.0	0.0	60	0.0	60
	* soil water	5	120	0.0	0.0	125	0.0	125
	D2- to other sources	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total supply of water = S1+S2=		562						
Water consumption= total use – total supply		638						

Matrix of flows within the economy

To use	1	36	37	Others	Total	household	Total supply
From supply							
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	147	147
37	91	0.0	0.0	0.0	91	0.0	91
Others	0.0	0.0	23	0.0	23	0.0	23
Total	91	0.0	23	0.0	114	147	261
Household	0.0	0.0	90	0.0	90	0.0	90
Total use	91	0.0	113	0.0	204	147	351

Water Indicators

- Total ground water abstraction.

Value of indicator 2007: 504(MCM)

- Safe yield of renewable ground water.

Value of indicator 2007: 275(MCM)

- Overexploitation of ground water (Depletion) or ground water balance.

Value of indicator 2007: -229(MCM)

- % of depletion of ground water or % of safe yield.

Value of indicator 2007: 183%.



Thank you