



الجمهورية الأردنية الهاشمية

Environment Statistical System in Jordanian

Environment Statistics Division (DOS)

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Environment Statistics Division

- The Environment Statistics Division (ESD) is established in 1995

DOS has established ESD to:

- Maintain standards that favorably compare with those of the best international Statistics organizations, such as UNSD, EUROSTAT and ESCWA
- Develop into becoming a reliable national benchmark for high-quality environment statistics.

Environment Statistics Division

- ESD received full support from DOS, beside opportunities to accompanied survey with different on going surveys (Industries, Agriculture & Households)
- ESD activities cover the most environmental components & issues reported in an annual base environment statistics report, and annual environmental sustainable indicators.

ESD Objectives

- Providing data about natural resources and pollutants.
- Provide summary information to begin the compilation of priority environmental accounts in sustainable development indicators.
- Establishing environmental database compatible with international standards, in time series & comparable with different countries.
- Improvement of environment sustainable indicators
- Integration of environment within economy by establishing environmental account.
- Inform policy about the current environmental situation in different environmental aspects.

Data Sources

1- Field Surveys

- Survey for hazardous Industrial activities
- Survey for some other non hazardous Industrial activities
- Survey for Hotels & Education
- Waste survey for Municipalities
- Medical survey (Hospitals)
- Accompanied survey with other surveys such as agriculture (Water & Energy consumption and Waste).
- Survey for Public Sector (Environmental Expenditures, Environmental Employees)

Data Sources

2- Administrative Registrations

- Ministry of Environment & Environmental Health Directorate (Air & Water Quality)
- Ministry of Water and Irrigation (Water Indicators)
- Aqaba Ports Corporation (Aqaba Gulf water Pollution)
- Royal Society for Natural Conservation (Biodiversity and Reservations)
- Ministry of Energy and Mineral Resources (Energy Indicators and Balance)
- Ministry of Agriculture (Forest & Pesticides)
- NGOs, Research centers and Universities

Challenges & Future Plans

- Complete Coverage for all Economic Activities (Industries-manufacturing Activities, Services, Agriculture and Household).
- Develop Environment Account- Water Account tables (Water used, Wastewater produced, emissions to wastewater and Hybrid Accounts by activity), Ecosystem, Energy & Waste Account-Natural Assets Accounts-Environmental Expenditures

Future Plans

- Support decision making process
- Improve reporting & dissemination tools, GIS
- Integration of Environment, Economic and Social Aspects:
 - Measuring green growth and shifting to green
 - Share of Environmental good & services Sector in Job creation.
 - Measures participation of Civil Society in environmental activities (Recycling, increasing income, awareness...)

Enforcement

Environment economic sector Surveys:

- Application of SEEA to support sustainable development objectives
- Application of the ISIC (4) and CPC (2.1) for all Surveys .
- Generated Waste, category, Pattern
- Waste Electronic Electric Equipment's (WEEE) (Quantity, Type, Recycle, Disposal Methods)
- Energy (Consumption, Consumption Pattern, Alternatives)
- Water (Consumption, Pattern, Wastewater)
- Environmental Expenditures

Application of Changes Fixed Assets

1	2	3	4	5	6	7	8	9
No.	Type	Value at the Beginning of the Year	Additions (JD)	Damaged (JD)	Depreciation in Fixed Capital During the Year (JD)	Value at the End of the Year (JD)	Water Produced Inside the Establishment	
							Consumed (M ³)	Sold (M ³)
1	Pumps							
2	Treatment Units							
3	Refining Units Before Use							
4	Tanks							
5	Collective Wells							
6	Wells							
7	Solar Heaters							



المملكة العربية السعودية

Environment Protection Expenditures

801	802	803	804	805	806	807
No.	Environmental Expenditure (JD)	Current Expenditures		Capital Expenditures		Total
		Own	Other Source	Own	Other Source	
1	Waste management					
11	Prevention of Pollution through in process Modification					
12	Waste Collection and Transportation					
13	Treatment and Waste Disposal					
14	Other Activities					
2	Wastewater Management					
21	Prevention of Pollution through in process Modification					
22	Wastewater Networks					
23	Wastewater Treatment Units					
24	Measurement, Control, Laboratories and a like					
3	Noise and Vibration Abatement					
31	Anti-Noise & Vibration Installments					
32	Rehabilitations					
4	Protection of Landscape Activities					
41	Protection from Erosion Activities					
42	Rehabilitations					
43	Other Activities					
5	Research and Development					
51	Protection of Ambient Air Researches					
52	Protection of Water Researches					
53	Waste Researches					
54	Soil & Groundwater Researches					
55	Noise and Vibration Abatement					
56	Biodiversity Protection Researches					
57	Other Environmental Researches					
6	Environment Protection n.e.c.					
61	General administration, regulation and the like					
62	Environmental Education, Training, Awareness & Information					

Municipal Survey

- Comprehensive survey was used for all municipalities in Jordan.
- It accounts 100 municipality all over the 12 governorates
- The questionnaire contains several issues concerning the quantities of waste, disposal methods and expenditure on waste management and environmental Protection

Surveys Include Wastewater

- Survey for hazardous Industrial activities
- Survey for some other non hazardous Industrial activities
- Survey for Hotels & Education
- Medical survey (Hospitals)
- Survey for Public Sector (Environmental Expenditures on Wastewater and wastewater quantity in public Universities, Environmental Employees)

Questionnaire Items

The questionnaire component related to wastewater:

- Quantities of wastewater and disposal methods (Reuse, Irrigation, Public network, Septic tank and Treatment unit partial or total)
- Expenditures on wastewater management and infrastructure by activity
- Cost of disposing method/ unit
- Number of Employee allocated for wastewater management

Recommendations

- Exchange of experiences (training courses and workshops)
- Funding thematic priorities related studies and surveys
- Case Study, meet the gaps and overcome difficulties.
- Providing Coefficient for associated produced wastewater from manufacturing industries
- Need for more agreed environmental statistical framework (SEEA-Environmental accounts, FDES)

Recommendations

More coordination, lack of adequate coordination and cooperation between institutions involved in collecting and providing environmental data on the one hand and between these institutions and data users on the other hand.