



הלשכה המרכזית לסטטיסטיקה
Central Bureau of Statistics
دائرة الإحصاء المركزية

Environmental Statistics in Israel

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9.12.13

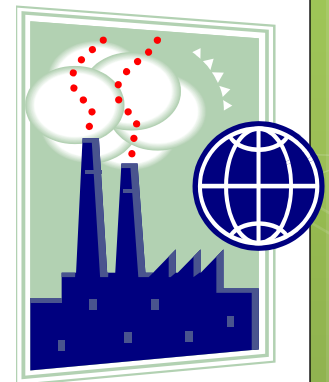
Main Activities in Environmental Statistics (ICBS)

- Air pollution and GHG emissions
- Water resources and wastewater
 - Water Account
- Waste and Hazardous waste
- Sustainable Development In
- Environmental expenditure
- Biodiversity



Air and GHG Indicators

- **Emission of air pollutants from fuel combustion (by consumer/fuel type)**
 - Manufacturing industry (Electricity)
 - Transportation
 - Households
 - Sources: Ministry of Infrastructures (fuel consumption), Ministry of Transport (vehicle and Km traveled) ICBS, Israel Electric Corp.
- **Air pollutants concentrations in selected monitoring stations**
 - Commercial Urban Centers
 - Industrial Areas
 - Residential Areas
 - Traffic Stations
 - Source: MoEP



Air and GHG- Data sources

- **National greenhouse gases inventory**
 - Energy Industries
 - Manufacturing industries and construction (both energy and industrial processes)
 - Transportation
 - Solid waste
 - Wastewater (reports to UNFCCC)
- **Sources:**
 - CBS (surveys and administrative data)
 - Ministry of Agriculture
 - MoEP
 - Ministry of Industry, Trade and Labor
 - JNF
 - Custom

Water and Wastewater

- Quality of drinking water –
 - Source: Ministry of Health
- Quality of seawater at beaches
 - Source: Ministry of Health
- Quantity of treated effluents
 - Source: MoEP and The Shafdan project
- Water levels and salinity of aquifers and surface Water
 - Sources:
 - ◉ Water Authority
 - ◉ Kinneret Limnological Laboratory



National water account- detailed flows by industry(2008)

➤ Economic flows

- Sources:
 - ◉ Survey of water industry
 - ◉ Administrative data
 - ◉ Reports from the tax authority

➤ Physical flows

- ◉ Sources: Mainly the water Authority

➤ Pollutants flows

- ◉ Sources: Water Authority and waste survey

waste and Hazardous waste

- Solid domestic and commercial waste by districts
 - Sources: Local authorities and MoEP
- Recycling by material type
 - Source: MoEP, Recycling Plants
- Hazardous waste by material and treatment types
 - Source: MoEP and : The Environmental Services Company (ESC), Ramat Hovav
- Hazardous materials incidents
 - Source: MoEP



Waste and Wastewater Survey

- Detailed data regarding the industrial sector:
- Waste generated by weight
- Waste treatment (recycle, reuse, landfills)
- Wastewater quantities
- Wastewater quality
- Wastewater destinations

Sustainable Development Indicators

Data collection and generation of indicators regarding the following themes:

- **Environment**

- *salinity of groundwater*
- *Population connected to wastewater treatment systems*

- **Economics**

- *Water abstraction per capita*
- *Solid waste per capita*

- **Society**

- *expenditure for food by households deciles*
- *Population growth*

- **Sources: Secondary data, ICBS**



Environmental expenditure

- Public expenditure (CBS)
- Manufacturing Industry (Survey)
- More sectors in the future...

Biodiversity

- Risk of Extinction
 - Animals
 - Vertebrates
 - Invertebrates
 - Plants
 - Source: NPA and the Academia
- Protected Areas
 - Natural Reserves at different stages of declaration
 - National Parks
 - Source: NPA



Other Related Activities

- Pesticides survey
 - Agriculture
 - Sanitation
 - Veterinary
- Agri-Environmental Indicators
 - Water and effluents use in agriculture
 - GHG in agriculture
 - Irrigation
 - N, P, K cycles

Dissemination

- ◉ Yearly abstract
- ◉ ICBS website (dedicated webpage)
- ◉ Online database (selected series)
- ◉ Special publications
- ◉ Reports to International organizations (UN, OECD, Medstat)

More information: <http://www.cbs.gov.il>

Challenges in Environmental Statistics in Israel

- Missing information in various fields by sector or economic branch (construction and industrial waste,)
- Missing information regarding local environmental statistics
- Cooperation from data providers
- Updating methodologies
- Adaptation to international standards
- Development of new statistics with the growing demand for environmental statistics and accounts
- Institutional barriers

**Thank
you!**

