

ISRAEL MARINE ENVIRONMENT PROTECTION DIVISION





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SEIS/Horizon2020 Indicators: Municipal Waste

Indicator	Status	Latest data	Comments
1. Municipal Waste Generation	Reported	2017	 Data source: MoEP - Waste Division, ICBS National level data
2. "Hardware" of waste management	Reported	2017	 -Data source: MoEP - Waste Division, ICBS -National level data - Uncontrolled waste management is negligible
Q. "Software" of waste management	Reported	2017	-Data source: MoEP - Waste Division, Marine Environment Protection Division

Horizon2020 Indicators: Water

Indicator	Status	Latest data	Comments
3. Access to sanitation	Reported	2017	-Data source: MoEP - Water and Streams Division, Water Authority, ICBS-National level data -Access to sanitation is estimated at ~100%
4. Municipal Wastewater Management	Reported	2017	 -Data source: MoEP - Water and Streams Division, Water Authority, ICBS. -National level data - Municipal wastewater treatment and use (2017), Nutrients release data (2014)
5. Coastal and Marine Water Quality	Reported	2017	-Data source: MoEP- Marine Environment Protection Division (Medpol), Ministry of Health, ICBS

Horizon2020 Indicators: Industrial Emissions

Indicator	Status	Latest data	Comments
6.1-6.2 Release of nutrients and toxic substances from industrial sectors	Reported	2017	Data source: MoEP - PRTR and Marine Environment Protection Division
6.3 Industrial hazardous waste disposed in environmentally sound manner	Reported	2017	Data source: MoEP - Hazardous waste Sector, ICBS.
6.4 Compliance measures aiming at the reduction and/or elimination of pollutants generated by industrial sectors	Reported	2017	Data source: MoEP - Marine Environment Protection Division

Assessment: The State of the Environment in Israel: Selected Indicators

Radiation.

- Ministry of Environmental Protection (2018)
- ≻ Air; > Soil;
- Climate change; Waste;
- Water;
 Noise;
- > Marine;
- Biodiversity;



Changes in recent years with a significant environmental impact

- Joining the OECD & hence adapting new environmental regulations + signatory to numerous international conventions/ agreements
- Discovering the sea and its natural resources (oil&gas offshore industries, desalination, mariculture, expending ports, etc.)
- Increasing land use, quantities of waste (...increase in consumption of goods.), drinking water consumption etc.

WASTE SECTOR

ton 7,000,000

towards 2030



WASTE SECTOR (CONT.)

Achievements

- **Gradual increase in recycling rates**
- **>** Success in implementation of EPR Laws
- Success in implementation of the Plastic bags law
- Development of a new Waste Database System (in process).
- Establishment of new treatment facilities.

WASTE SECTOR (CONT.)

Challenges

- Low Landfill Tax;
- Depleting Landfill space;
- Inefficient Waste Management at local level (separation at source, collection, transport);
- Lack of sufficient treatment facilities WtE, MBT, AD, sorting stations;
- Weak and fragmented Recycling Market.

WATER SECTOR



Achievement - The largest waste water treatment plant "Shafdan" stopped in 2017 to discharge sludge to the Mediterranean Sea along with the construction of anaerobic digesters for processing of the sludge and spreading it on farmlands as a fertilizer.

WATER SECTOR (CONT.) Consumption by source and user





WATER SECTOR (CONT.) Wastewater Treatment



- Tertiary treatment
- Secondary treatment
- Primary treatment
- Unspecified treatment

WATER SECTOR (CONT.) Effluents Integrated information system

- The IT system serves several governmental bodies: Ministry of Health, Ministry of Environmental Protection and Water Authority;
- The system is operating since mid 2019;
- It includes info on ~60 intensive and extensive WWTP that discharge over 1,000 m³/day;
- It enables data analysis and alerts on exceedances online.

Land and Sea-based Pollution

ISRAEL MARINE ENVIRONMENT **PROTECTION DIVISION**

2 50,000

200,000

150,000

100,000

50,000

0

Metals [kg/year]

207,588

186.032

133,028



Clean Coast Program

The program aims to minimize and mitigate the impacts of marine litter in Israel, by improving knowledge, prevention and actions taken, for the benefit of the environment and the public in Israel.





Clean Coast Index

Summary - The percentage of clean beaches 70% of the time



Information and publicity activities





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