



HORIZON2020 INITIATIVE FOR A CLEANER MEDITERRANEAN

ISRAEL'S PROGRESS IN IMPLEMENTATION OF THE WORK PROGRAMME

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HORIZON 2020 CAPACITY BUILDING GROUP MEETING

BRUSSELS, 23 FEBRUARY 2016

NAP

- Revision of the Israeli National Action Plan; submitted in November 2015
- Establishment of inter-ministerial steering committee
- Objectives:
 - to present the current environment state of the Mediterranean Sea across the Israeli shore
 - to identify the major causes for marine littering and pollution
 - to specify contaminated sites that require rehabilitation
- Main Outputs:
 - Current status report – identified gaps between the international obligations and current environment state
 - Detailed Action Plans
 - Updated list of hot spots and sensitive areas

NAP - Current Status Report

A review of the CSR identified several gaps that require further measures:

- **Marine litter** – the review identified a need for more monitoring efforts on the beaches and in the sea. Besides these information gaps, there is also a need to initiate regular cleaning activities and improved infrastructure for beach litter and sea litter.
- **Urban runoff** – the review identified a major information gap concerning the scale of pollution originating in urban runoff drains. The CSR also specified the need to set a water quality standard for runoff water that is eventually discharged into the Mediterranean.
- **Coastal streams** – the review identified information gaps concerning the scale and sources of stream water pollution and recommended extended monitoring and preventive actions.
- **Hot spots and sensitive areas** – the review specified the need to promote mitigation activities in both known and newly identified hot spots and sensitive areas.

NAP - Action Plans

- Detailed plans for implementation and closing the gap in line with the international requirements were developed

Detailed Action plan for Mitigation of Marine Litter

- Main goal: to improve our knowledge of the loads and sources of marine litter; identifying opportunities for cooperation in mitigation and cleaning activities.
- The Plan includes: monitoring methods, long term goals in the monitoring regime and public access to data.

NAP - Action Plans

Detailed Action plan for Mitigation of Pollution and waste in the Coastal Streams

- Main goal: to better monitor contaminant and litter loads in coastal streams by increasing the frequency of monitoring and diversify the measured parameters.

Detailed Action plan for Mitigation Polluted Runoff

- Main goal: to better monitor contaminant and litter loads in urban runoff and explore new ways to mitigate the discharge of polluted water through the coastal stream based urban drains.

NAP - Action Plans

Detailed Action plan for Hot Spots/Sensitive Areas

- The plan reviews current mitigation activities that affect sensitive areas and hot spots and the "business as usual" scenario, and also details the need for improved environmental management in the Haifa Bay area and other sites of interest.
- Using an updated methodology three sites were classified as B type hot spots, 14 as sensitive areas, and 8 with no risk. None of the reviewed sites was classified as an A type hot spot.

NAP - Potential Pollution Hot Spots and Sensitive Areas

#	Site	Criteria	Type of Pollution
1	Maagan Michael Fish Farms	Big Aquaculture Area	Nutrients, fecal materials
2	Ashdod Port	Big Port/Historical Pollution Site	Organotins, PCBs, heavy metals, Nutrients
3	Haifa Port	Big Port/Historical Pollution Site	Organotins, PCBs, heavy metals
4	Coastal Power Plants	Coastal Industry	Cooling water
5	Gad Granot & Rahav Desalination Plant (Mekorot)	Coastal Industry	Brine, nutrients, heavy metals
6	Coastal Desalination Plants	Coastal Industry	Brine, heavy metals
7	Agan Chemicals	Coastal Industry	AOX, BTEX, Nutrients
8	Ashdod Refineries	Coastal Industry	Detergents, Grease, Nutrients
9	Shafdan Brine Terminal	Coastal Industry	Industrial Brine
10	O.L.A Brine Terminal	Coastal Industry	Heavy metals, organic matter, brine

NAP - Potential Pollution Hot Spots and Sensitive Areas

	Site	Criteria	Type of Pollution
11	Herzelia WWTP	Densely Populated Areas	Nutrients
12	Shafdan WWTP	Densely Populated Areas	Sewage sludge - heavy metals, nutrients, grease
13	Reading Sewage Pumping Station	Densely Populated Areas	Municipal sewage
14	Site Alpha & Epsilon	Dump Site\ Historical Pollution Site	Heavy metals, organotins
15	EIL	Historical Pollution Site	Heavy metals, POPs
16	Alexander	Large River Discharge	Nutrients, municipal sewage
17	Naaman	Large River Discharge	Nutrients, municipal WWTP effluent
18	Taninim	Large River Discharge	Nutrients, municipal sewage
19	Hadera	Large River Discharge	Nutrients, municipal sewage, some previous chemical pollution from the Hadera Paper Factory.
20	Lakhish	Large River Discharge	Nutrients, municipal sewage overflow
21	Soreq	Large River Discharge	Nutrients, municipal WWTP effluent
22	Kishon	Large River Discharge\ Historical Pollution Site	Heavy metals, organotins, chemicals, pesticides
23	Yarkon + Ayalon	Large River Discharge\ Historical Pollution Site	Nutrients, municipal WWTP effluent, heavy metals
24	"Tamar" Gas Platform	Oil\Gas Exploration and Mining Sites	Grease, BTEX, food\sanitary waste
25	"Mary B" Gas Platform	Oil\Gas Exploration and Mining Sites	Grease, BTEX, food\sanitary waste

Laws Under Preparation

Plastic Bag Law

- Prohibit the free distribution of plastic bags in supermarkets

Integrated Environmental Licensing Law

- In April 2014, Government approved MoEP's plan to streamline all existing environmental permits into one integrated permit
- The MoEP is in the midst of the process to write a “green licensing” law and to implement its principles

Contaminated Land Law

- The Land Law is intended to regulate all aspects related to land contamination and to set comprehensive provisions for preventing future land contamination.
- As part of the governmental effort to solve the “Housing Crisis”, the legislative process will be intensified.

Action Plans

Reduction of Environmental Risks in Haifa Bay

- In September 2015, the government approved an Action Plan to Reduce Pollution and Environmental Risks in Haifa Bay.

The plan includes, among other elements:

- increased supervision of industry and monitoring of pollutants
- incentives for factories to switch to natural gas
- more environmental sampling of air pollution
- the creation of Israel's first ever low-emission zone (LEZ), an area that will be restricted to polluting diesel vehicles
- subsidies for the installation of particulate filters in heavy vehicles
- a move to natural gas-fueled trucks and buses.

TWINNING

- Twinning Project on IPPC & PRTR (finished in 2014)
Establishment and implementation of a system of Integrated Pollution Prevention and Control (IPPC) and a Pollutant Release and Transfer Register (PRTR)
- New TWINNING (launched in June 2015)
Improving and modernizing environmental regulatory and management tools for the Israeli industry – Regulatory tools for SMEs, Resource efficiency, Eco-Management and Audit Scheme
- Joint Declaration of Intent on the Implementation of Best Available Techniques in the Permitting of Industrial Installations signed between the MoEP and the German Federal Ministry of the Environment, Nature Conservation and Nuclear Safety (signed 2015)

TAIEX events in support of the WP

- Sorting transfer stations & Anaerobic digestion facilities for MSW / MBT - workshop
- The ecological status of streams and rivers - expert mission
- Economic aspects of contaminated soils - workshop
- Contaminated soil assessment and remediation - policy and technologies - workshop
- Low Emission Zones - workshop
- Environmental emergency alert system - study visit
- Implementation of REACH-Registration, Evaluation, Authorization and Restriction of Chemicals in Israel - study visit

Suggestions for Regional Activities

- Olive oil production - conducting joint training on the reduction and reuse of generated waste (olive mill solid waste and olive mill wastewater).
- Prevention of, and preparedness and response to marine pollution from sea-based sources, particularly pollution which might stem from oil and gas exploration and exploitation activities.
- Joint capacity building activities on inspection and enforcement of offshore installations as well as ships.
- Rehabilitation of Electrochemical Industries site to prevent Mercury Leak into Groundwater and Sea in the Acre Gulf.
- Cleaning of the seabed from solid waste and plastics, including monitoring of plastic and micro-plastic in the seabed.
- Prevention of litter that reaches the Mediterranean from urban drains and streams - techniques to minimise pollution, monitoring.



Thank you