

המשרד להגנת הסביבה היחידה הארצית להננת הסביבה הימית

ISRAEL MARINE ENVIRONMENT **PROTECTION DIVISION** 

## **State of Israel Ministry of Environmental Protection**

## **Addressing Pollution to the Marine Environment from LBA**



UNITED NATIONS ENVIRONMENT PROGRAMME MEDITERRANEAN ACTION PLAN for the Barcelona Convention



27 March 2018

### **ISRAEL**

Land Area: 22,000 sq.km Coastline Length: 190 km Territorial waters: 4,060 sq.km EEZ: 26,000 sq.km

### Levantine Basin

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Special activities by MEDPOL (LBS Protocol): Marine Monitoring Programs; ECAP and IMAP; HOTSPOTS; SAPMED and NAPs; Regional Reduction Plans; 160 technical documents in various subjects: pollution reduction, compliance and enforcement; cleaner production;





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ISRAEL

MARINE ENVIRONMENT PROTECTION DIVISION

27 March 2018

### Implementing Rio+20 (163) **Reducing land-based pollution**





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### Implementing Rio+20 (163) **The problem of Marine litter**



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Plan

Protocol for the Protection of the Mediterranean Sea Against Pollution From Land-Based Sources and Activities, Siracusa, Italy, 1996

#### **GENERAL PROVISION**

#### TO PREVENT, ABATE, COMBAT AND ELIMINATE POLLUTION FROM LAND-BASED ACTIVITIES

#### **GENERAL OBLIGATIONS**

To elaborate, adopt and implement national and regional action plans, programmes and measures for the elimination of pollution from landbased activities

#### COVERAGE

- The Mediterranean Sea proper
  The hydrologic basin
- Waters on landward side of territorial boundaries
- Communicating brackish waters

#### MONITORING

- To assess the levels of pollution along the coasts To evaluate the
- effectiveness of action plans, programmes and measures

#### **REGULATORY SYSTEM**

- To provide for national systems of inspections to assess compliance
- To establish sanctions in case of non-compliance

#### REPORTING

 To submit reports to **Contracting Parties Meetings of measures** taken and results achieved



The Mediterranean and sustainable development ON THE SEA, IN THE SEA, FOR THE SEA,

SAP – Strategic Action Program for reducing marine pollution from land-based activities



A part of MEDPOL phase III derived from (new) LBS protocol.

Action oriented, timetabled

20 year plan, 109 Hot Spots, 51 sensitive areas

NAP – running by end 2005





## Process followed



## Main Components of Focus Areas

### EO5 (Eutrophication) – RP on BOD, Reduction of Nutrients

EO9 (Contaminants) - RP on Mercury

### EO10 (Marine litter) -RP on Marine Litter

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LBS and NAP for Israel/R. Amir

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## So, what has been done?

## (in a nutshell...)

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## Ashdod Municipal Sewage–STOPED (2008)

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LBS and NAP for Israel/R. Amir

13/7/2001 10:08

## Argaman Textile – STOPED (2005)

10/9/2000 14:37

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#### ספיקות ההזרמה לים התיכון 1998-2016



Year

מקורות ההזרמה ללא מי קירור של חברת החשמל ומתקני ההתפלה - [מלמ"ק/שנה]



LBS

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### **BOD Discharge to the Sea**

**1998-2016** צח"ב (BOD) **-** [טון/שנה]



### P Discharge to the Sea

**1998-2016** [טון/שנה] - (Total P) זרחן כללי



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### **Total N Discharge to the Sea**

**1998-2016** חנקן כללי (Total N) - [טון/שנה]



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## **Desalination Development in Israel**





## Hadera – H2ID

# Summary:

**1.Dramatic reduction of loads directly** discharged to the sea, including rivers and streams, for the period 2000-2017

2.Out of 7 identified HOTSPOTS in 2001, only 2 left.

3.Main airborne pollution sources to the marine environment are power plants and transportation

4. Chronic problem with increasing ML, mainly plastics

5. Urban runoff becomes a main pollution challenge

6.Possible desalination impacts must be monitored

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## Future Activities in MEDPOL (LBS Protocol related)

- Adoption of the NAP's, implementation and control vis-à-vis ECAP indicators to achieve GES Special attention: Marine litter monitoring and abatement; New challenges such as polluted run-off waters
- 2. IMAP Restructuring the national monitoring program to include ECAP indicators and to cover EEZ of Israel
- 3. Develop and update further guidelines (desalination)
- 4.Active Participation in trainings, meetings, working groups and forums



#### LDS and NAT for Israel/R. Anin

- Statute and