

Regional Meeting on NAPs  
implementation – Lessons learned and  
the way forward  
Marseille, 17-18 October 2016

# Updated National Action Plans/POM of **Egypt**

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# Focus of Updated NAPs/POM



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# Objectives for Updating the NAPs

1. Better assessment and more recent evaluation
2. Identification of changing conditions of ecological pollution along the MED coast.
3. Identification of gaps in legislations, policy and measures for strategic sustainable development of the coastal zone
4. Updating country needs



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# Process followed

1. Formulation of Thematic Groups
  - a. Monitoring
  - b. Industrial Pollution
  - c. Economic
2. Members of western Nile delta and Eastern Nile delta of About 25-30, of EEAA and concerned organizations
3. Collection of data EO5,EO9 and EO10 and analysis of gaps and new evaluation of hotspots.
4. Identifying and assessing operational targets and measures, prioritization
5. Two national workshops, several personal discussion meetings with EEAA personnel.



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# Content of Updated NAPs

## Assessment

- Assessment of pollution conditions from land based sources along the coast

## Objectives/targets

- Identify sources of industrial, wastewater, agricultural and hazardous material (EO5,EO9 and EO10)

## Gaps

- Identifying gaps such as mixed sewage and storm water, lack of monitoring systems, needs of agglomerates

## Measures

- What are the needed measures?( legal, institutional, policy or technology)

## Selection/prioritization

- Economic Evaluation based on cost/ benefit analysis and population under severe environmental conditions

## Follow-up

- Upgrading institutional capacity of organizations
- Upgrading Monitoring capabilities

## Projects

- Submitting 12 proposals to rehabilitate and upgrade wastewater treatment facilities



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# Hot Spots and Sensitive areas

- Hot Spots updating based on:
  - 1-Public Health Weight 4
  - 2- Environmental status and pressures Weight 3
  - 3- Economics Weight 4
  - 4- Transboundary Effects weight 1

Category	Number	Priority pressures
Hot spots (A)	3	Wastewater treatment in lake Maryut Industrial pollution in Abou Qir Bay Industrial pollution of lake Manzala
High risk areas/Hots Spots (B)	2	Lake Maryut Lake Manzala
Sensitive areas (C)	2	Marsa Matruh Lake Bardawil



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# National Operational Pollution Reduction Targets

Operational targets	Sectors	EO5	EO9	EO10
1. <i>Tertiary treatment and reutilization of 50% of national wastewater by 2020.</i>	<i>Municipal waste</i>	X	X	X
2. <i>Rehabilitation of lake Maryut, depollution of Kitchner, Bahr El Baqer and Omer Bek drainage canals by 2020</i>	<i>Industrial waste</i>	X	X	X
3. <i>Depollution of 50% of illegal dumping of agricultural waste of pesticides by adopting modern technique, by 2020</i>	<i>Agricultural waste</i>	X	X	
4. <i>Depollution of 80% of industrial liquid waste by 2020</i>			X	X
5. <i>Closure/remediation of 40% of illegal solid waste dump sites by 2020</i>	<i>Solid waste</i>		X	X



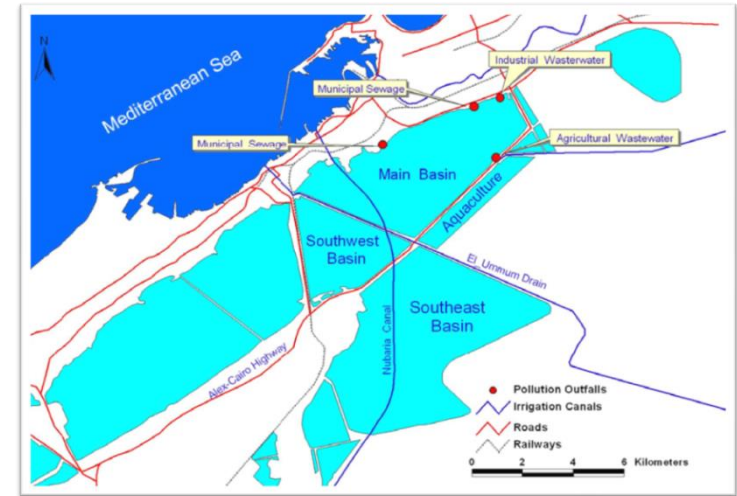
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# Priority Measures

1. Rehabilitation of lake Maryut (short and long range) by upgrading wastewater treatment facilities of Alexandria City and utilizing it for afforestation, reducing Saharan dust to Europe.
2. Better control and monitoring of industrial pollution in lake Maryut, El Mex Bay, Abu Qir Bay, Kitchner drainage, and Lake Manzala
3. Upgrading institutional and human capacity of EEAA and HCWW and awareness.
4. Establishment of Domestic Landfills, tanneries connection and treatment and HW landfills for eastern of delta



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# Priority Measures

Measure categories	Number of measures	Relevance to EO		
		EO5	EO9	EO 10
Legal	Separate storm water from wastewater Agglomerates of more than 2000 inhabitants must have wastewater treatment	6	6	3
Policy	Wastewater must be treated tertiary Rural coastal areas must be provided by sewage systems	7	8	3
Technical	1. Upgrading Capacity 2. Strong satellite monitoring system 3. Rehabilitation of Lake Maryut, de-pollution of Kitchner Drainage and Lake Manzala	9	8	8



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# List of indicators

**A list the NAP/POM indicators according to the relevant Ecological Objectives includes:**

Ecological Objectives	Indicators
Eutrophication	Ammonia, Nitrite, Nitrate, Phosphate, Total nitrogen, Total phosphorus, reactive Silicates Chlorophyll -a
Contaminants	Heavy metals, Pesticides and hazardous materials
Marine litter	Visual observations only
Cross-cutting	Complaints, sensors outputs



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# Project Fiches

Title of the project/or the number of projects per EO and or SAP MED sector	Objectives (e.g. rehabilitation of hot spots, improvement/construction of WWTP, solid waste management, reduction of industrial pollution, elimination of stock piles etc.)	Relevant Ecological Objectives		
		EO5	EO9	EO 10
<b>Rehabilitation of lake Maryut.</b>	Addresses the two main hot spots and saves water for tree cultivation to protect Europe from Saharan dust	x	x	x
Depollution of abo Qir bay, Kitchner drain and lake Manzala	Addresses problems of depollution of Abu Qir bay , Kitchner, Bahr Elbaqar and Omer Bek Drains from industrial waste and building a number of landfills and upgrading capacities of wastewater treatment facilities	x	x	x

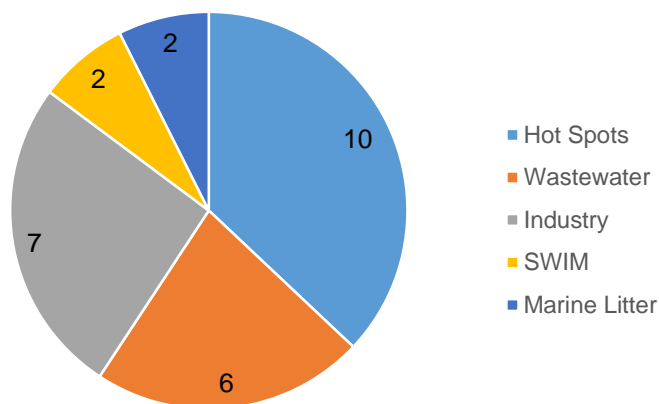


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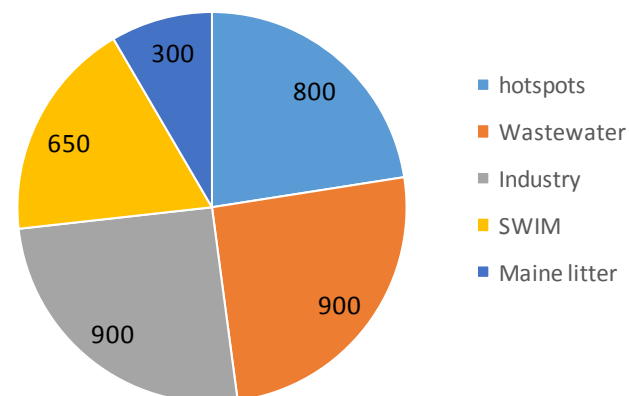


# Project Fiche Breakdown

The Number of Projects per Sector



The Total Cost of Projects Per sector  
in million euros





**Questions**

**Thank you for your  
attention**

