



Agenda Item 4

**NAPs Common Programme of Measures/Measures to achieve
GES, NAPs operational Targets, NAPs follow up indicators and
linkages to H2020 Initiative and SDG relevant indicators**

**Regional Meeting on NAPs Implementation – Lessons
learned and way forward**

Marseille, France, 17-18 October 2016



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Purpose of assessment

- ❑ In order to identify next steps to foster NAPs implementation, an assessment was undertaken to establish and analyze cross-links of “common” aspects in the NAPs with regards to:
 - ✓ Selected operational targets
 - ✓ Common priority measures
 - ✓ Interlinkages between the selected investment projects and the common operational targets and priority measures
 - ✓ Status of updated hotspots
 - ✓ Selected indicators by the countries, with a focus on those of common nature



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Common operational targets

- ❑ Contracting Parties established a set of “operational targets” linking GES targets to the requirements of the regional plans and provisions of SAP-MED.
- ❑ We considered operational targets defined by:
 - ✓ Albania, Algeria, B&H, Egypt, Montenegro, Israel, Jordan, Lebanon, Morocco, Palestine and Tunisia.
 - ✓ Linked to EO5, EO9 and EO10.
- ❑ A common target is selected by 6 countries or more.
- ❑ Lack or absence of common targets by some countries reflects the current environmental status of these countries based on their midterm baseline assessment.



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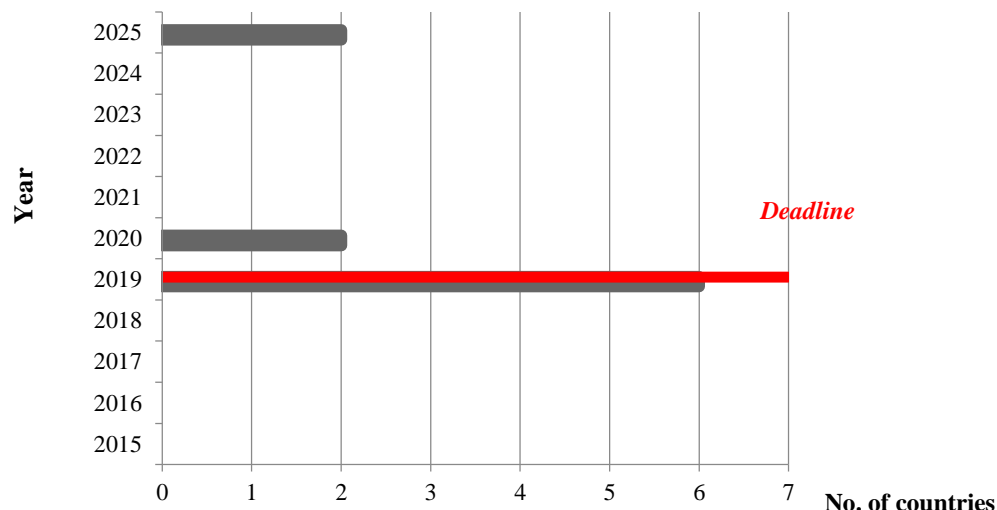
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Operational targets in the NAPs under EO5	Albania	Algeria	Bosnia and Herzegovina	Egypt	Montenegro	Israel	Jordan	Lebanon	Morocco	Palestine	Tunisia
-Provide XX% of agglomerations in excess of 2000 inhabitants with wastewater collection and treatment [2019 to 2025]											
-Reduce by XX% of BOD discharged to water bodies [2018 to 2021]											

Timeline for completion of EO5 common operational targets

Provide XX% of agglomerations in excess of 2000 inhabitants with wastewater collection and treatment by 2019 to 2025

60% of countries will meet regional plan deadline requirements for regional plan for reduction of BOD from urban wastewater



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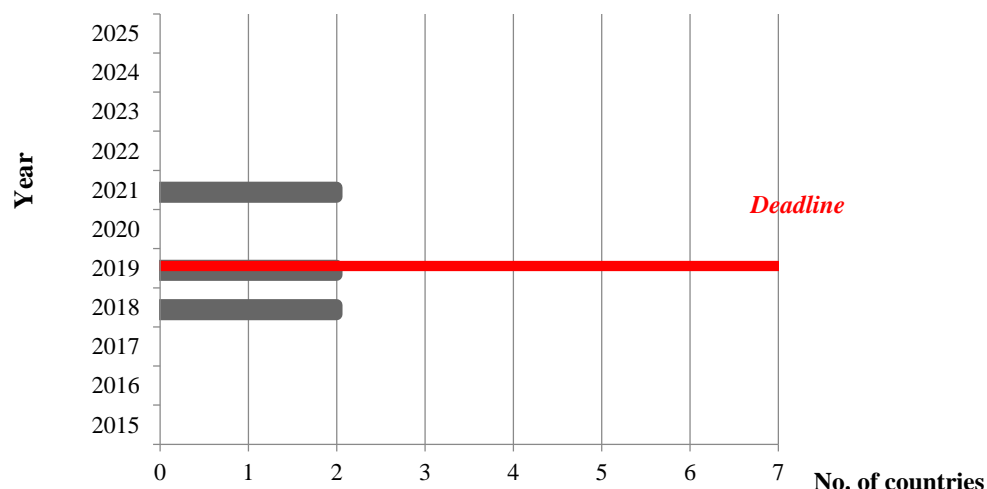


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Timeline for completion of EO5 common operational targets

Reduce by XX% of BOD discharged to water bodies by 2018 to 2021

67% of countries will meet regional plan deadline requirements for regional plan for reduction of BOD from urban wastewater



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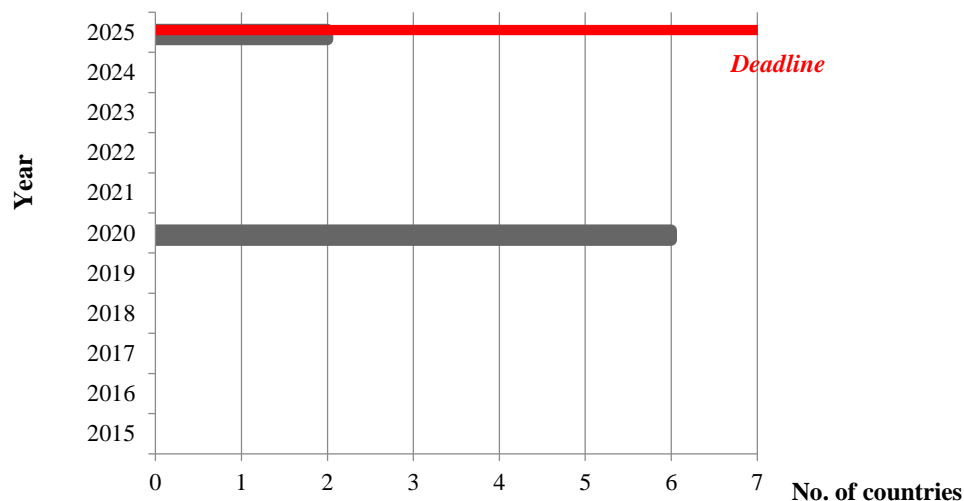
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Operational targets in the NAPs under EO9	Albania	Algeria	Bosnia and Herzegovina	Egypt	Montenegro	Israel	Jordan	Lebanon	Morocco	Palestine	Tunisia
-Reduce discharge of hazardous substances from industrial plants (apply BAT/BEP) by XX% or dispose in a safe manner [2020 to 2025].											

Timeline for completion of EO9 common operational targets

Reduce discharge of hazardous substances from industrial plants (apply BAT/BEP) by XX% or dispose in a safe manner by 2020 to 2025

100% of countries will meet SAP-MED deadline requirements



Operational targets in the NAPs under EO10	Albania	Algeria	Bosnia and Herzegovina	Egypt	Montenegro	Israel	Jordan	Lebanon	Morocco	Palestine	Tunisia
-Provide for the collection of XX% of solid waste [2019 to 2025]											
-Construct XX municipal solid waste landfills [2019 to 2025]											
- Adopt good practices in solid waste management including waste reduction, sorting, recycling, recovery, and reuse [2020 to 2025]											

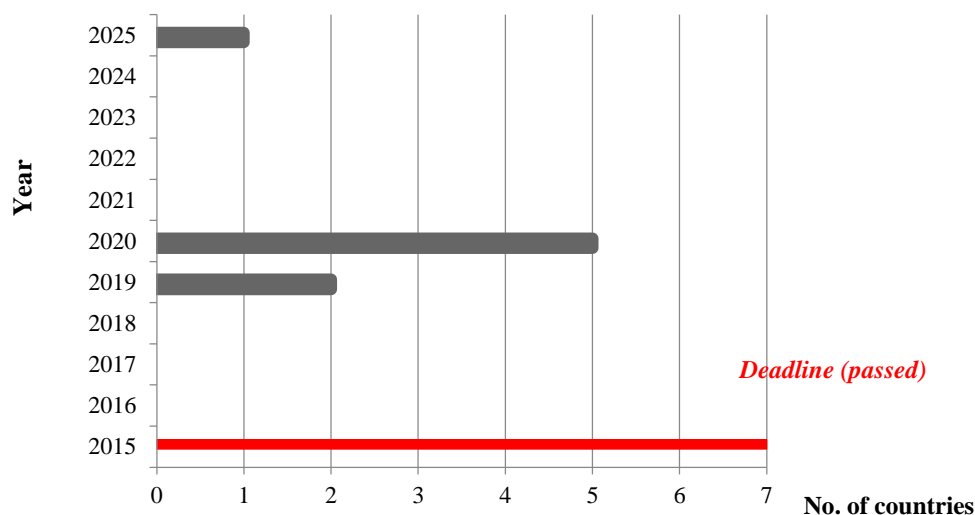
Operational targets in the NAPs under EO10	Albania	Algeria	Bosnia and Herzegovina	Egypt	Montenegro	Israel	Jordan	Lebanon	Morocco	Palestine	Tunisia
-Regulate/reduce usage/ discharge of XX% of fraction of plastics [2015 to 2025]											
-Close/ remediate XX% of illegal solid waste dump sites [2019 to 2020]											

Timeline for completion of EO10 common operational targets

Provide for the collection of XX% of solid waste by 2019 to 2025

Construct XX municipal solid waste landfills by 2019 to 2025

All countries will NOT meet SAP-MED deadline requirements



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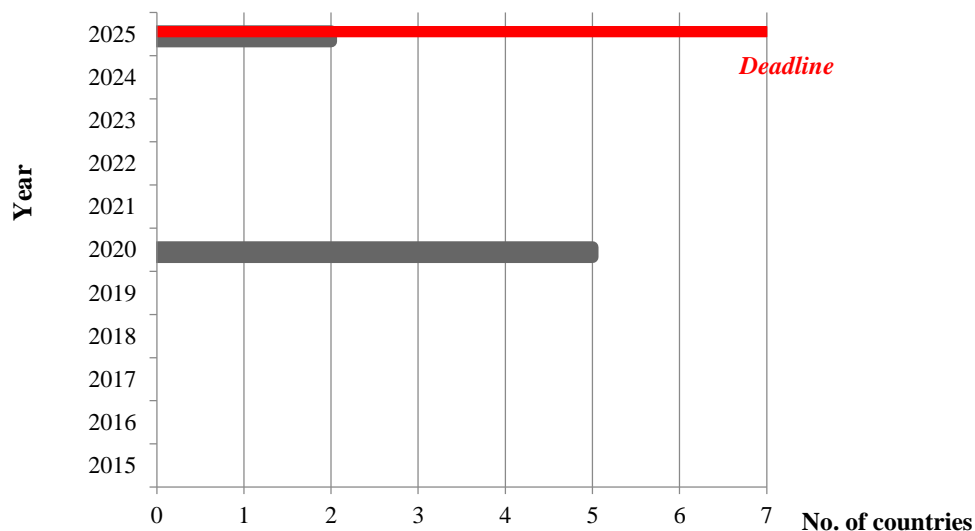


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Timeline for completion of EO10 common operational targets

Adopt good practices in solid waste management including waste reduction, sorting, recycling, recovery, and reuse by 2020 to 2025

100% of countries will meet SAP-MED deadline requirements



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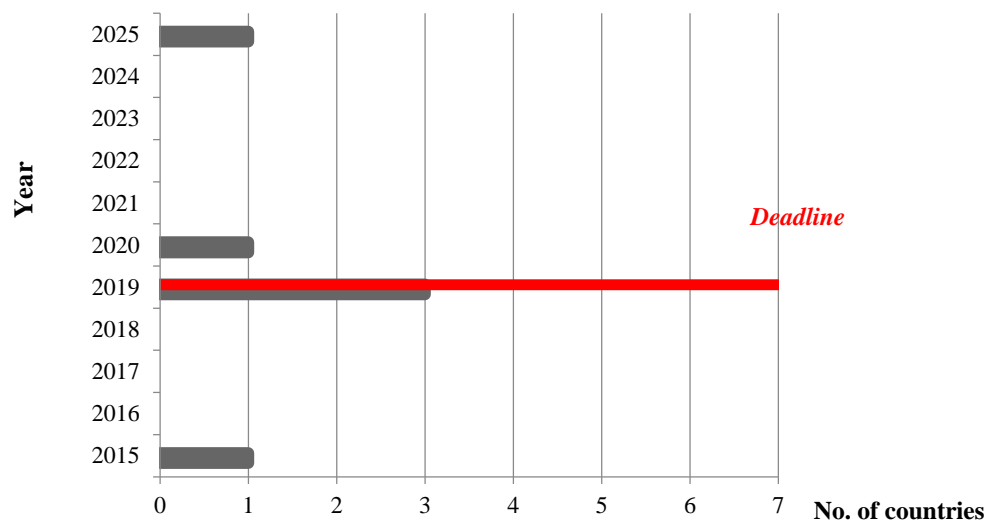


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Timeline for completion of EO10 common operational targets

Regulate/reduce usage/
discharge of XX% of
fraction of plastics by 2015
to 2025

*67% of countries will meet
deadline requirements for
regional plan on marine litter
management*



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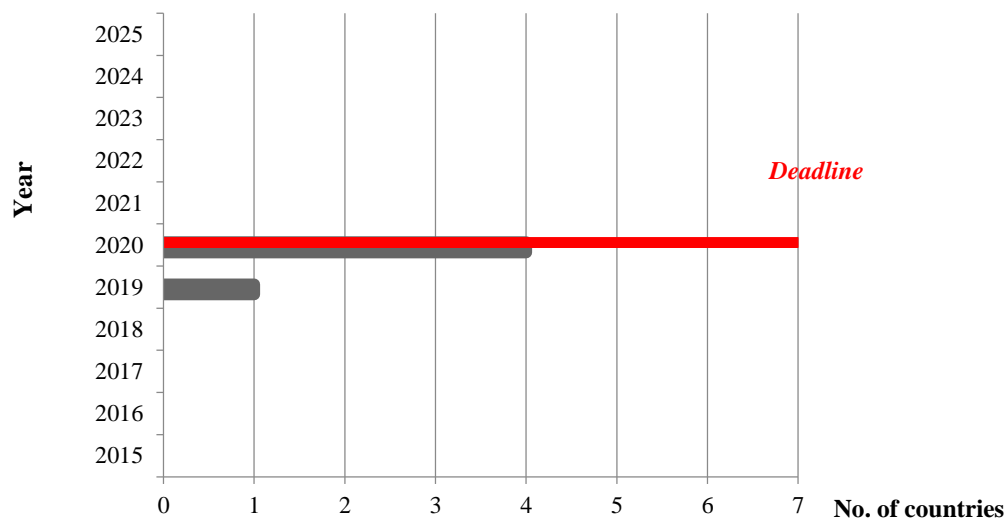


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Timeline for completion of EO10 common operational targets

Close/ remediate XX% of illegal solid waste dump sites by 2019 to 2020

100% of countries will meet deadline requirements for regional plan on marine litter management



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Common operational targets address the following aspects	EO	Ability to meet required deadlines
Wastewater collection and treatment for agglomerations in excess of 2000 inhabitants	EO5	<i>60% of countries will meet deadline</i>
Discharge of hazardous substances from industrial plants and application of BAT/BEP	EO5	<i>67% of countries will meet deadline</i>



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Discharge of hazardous substances from industrial plants and application of BAT/BEP	EO5	<i>67% of countries will meet deadline</i>
Reduction of discharge of BOD to water bodies	EO9	<i>100% of countries will meet deadline</i>



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Wastewater collection and treatment for agglomerations in excess of 2000 inhabitants	EO5	60% of countries will meet deadline
Discharge of hazardous substances from industrial plants and application of BAT/BEP	EO5	67% of countries will meet deadline
Reduction of discharge of BOD to water bodies	EO9	100% of countries will meet deadline
Collection of solid waste	EO10	All countries will NOT meet SAP-MED deadline requirements
Construction of municipal landfills	EO10	
Adoption of waste reduction, sorting, recycling, recovery and reuse measures	EO10	100% of countries will meet deadline
Regulation and reduction of fraction of plastics	EO10	67% of countries will meet deadline
Closure of illegal solid waste dumps	EO10	100% of countries will meet deadline

Common priority measures

- ❑ Contracting Parties assessed the gaps between the existing baseline and the desired targets and identified potential measures which were aggregated and prioritized in Programmes of Measures.
- ❑ We considered investment measures defined by:
 - ✓ Group A: Albania, Algeria, B&H, Egypt, Montenegro, Israel, Jordan, Lebanon, Morocco, Palestine, Tunisia.
 - ✓ Group B: Cyprus, France, Malta, Monaco and Spain.
 - ✓ Linked to EO5, EO9 and EO10.
- ❑ Priority measures are selected by at least 6 or more “Group A” countries or 8 or more by “Groups A and B”



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Priority investment measures under EO5	Albania	Algeria	Bosnia and Herzegovina	Cyprus	Egypt	France	Israel	Jordan	Lebanon	Malta	Monaco	Montenegro	Morocco	Palestine	Spain	Tunisia
- Build/ extend sewage networks																
- Build/ expand/ upgrade WWTP																



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Priority investment measures under EO9	Albania	Algeria	Bosnia and Herzegovina	Cyprus	Egypt	France	Israel	Jordan	Lebanon	Malta	Monaco	Montenegro	Morocco	Palestine	Spain	Tunisia
- Build/ expand/ upgrade IWWTP																
- Build/ expand/ upgrade hazardous waste landfill facility																
- Remediate contaminated industrial sites																



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Common investment priority measures address the following aspects	EO	Deadline for achievement
- Build/ extend sewage networks	EO5	Maybe accomplished by 2019 by two thirds of the countries
- Build/ expand/ upgrade WWTP	EO5	



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Common investment priority measures address the following aspects	EO	Deadline for achievement
- Build/ extend sewage networks	EO5	Maybe accomplished by 2019 by two thirds of the countries
- Build/ expand/ upgrade WWTP	EO5	
- Build/ expand/ upgrade IWWTP	EO9	Maybe accomplished by 2025 by all countries
- Build/ expand/ upgrade hazardous waste landfill facility	EO9	
- Remediate contaminated industrial sites	EO9	



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Common investment priority measures address the following aspects	EO	Deadline for achievement
- Build/ extend sewage networks	EO5	Maybe accomplished by 2019 by two thirds of the countries
- Build/ expand/ upgrade WWTP	EO5	
- Build/ expand/ upgrade IWWTP	EO9	Maybe accomplished by 2025 by all countries
- Build/ expand/ upgrade hazardous waste landfill facility	EO9	
- Remediate contaminated industrial sites	EO9	
- Establishing/ reinforcing collection of municipal waste	EO10	
- Constructing/ upgrading municipal solid waste landfills	EO10	
- Strengthening waste collection and disposal systems	EO10	Maybe accomplished by 2019 by two thirds of the countries
- Closure and rehabilitation of illegal dump sites	EO10	Maybe accomplished by 2020 by all countries

Interlinkages of project fiches to common targets and priority measures

- ❑ Contracting Parties prepared project fiches identifying potential measures that comply with regional plans requirements, and as appropriate with SAP-MED targets.
- ❑ We attempted to link the number of project fiches presented in the NAPs with the common operational targets and common priority investment measures for:
 - ✓ Albania, Algeria, B&H, Egypt, Montenegro, Israel, Jordan, Lebanon, Morocco, Palestine and Tunisia.
 - ✓ Linked to EO5, EO9 and EO10.



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Common priority investment measures under EO5	Common operational targets under EO5	Albania	Algeria	Bosnia and Herzegovina	Egypt	Montenegro	Israel	Jordan	Lebanon	Morocco	Palestine	Tunisia
- Provide XX% of agglomerations in excess of 2000 inhabitants with wastewater collection and treatment [2019 to 2025]	- Build/ extend sewage networks	1	1	2	2			1	4	1		
- Reduce by XX% of BOD discharged to water bodies [2018 to 2021]	- Build/ expand/ upgrade municipal wastewater treatment plants	2	4	4	4			1	4	1		
Total	32	3	5	6	6			2	8	2		



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Common priority investment measures under EO9	Common operational targets under EO9	Albania	Algeria	Bosnia and Herzegovina	Egypt	Montenegro	Israel	Jordan	Lebanon	Morocco	Palestine	Tunisia
- Reduce discharge of hazardous substances from industrial plants (apply BAT/BEP) by XX% or dispose in a safe manner [2020 to 2025]	- Build/ expand/ upgrade IWWTP		2		3	1	3					4
	- Build/ expand/ upgrade hazardous waste landfill facility	1			2		1			1	1	
	- Remediate contaminated industrial sites	1	4		1	2			2			3
Total	32	2	6		6	3	4		2	1	1	7



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Common priority investment measures under EO10	Common operational targets under EO10	Albania	Algeria	Bosnia and Herzegovina	Egypt	Montenegro	Israel	Jordan	Lebanon	Morocco	Palestine	Tunisia
- Provide for the collection of XX% of solid waste [2019 to 2025]	- Establish/ reinforce collection of municipal waste			1								
- Construct XX municipal solid waste landfills [2019-2025]	- Construct/ upgrade municipal solid waste landfills			2								
- Adopt good practices in solid waste management waste reduction, sorting, recycling, recovery, and reuse [2020 to 2025]	- Strengthen waste collection and disposal systems			1				1	1			1
- Regulate/reduce usage/ discharge of XX% of fraction of plastics [2015- 2025]	- Close and rehabilitate illegal dump sites	1		1					1	1		
Total	11	1		5				1	2	1		1

Synopsis of updated hotspots

- ❑ Contracting Parties updated the list of hotspots first developed in 2003.
- ❑ New update criteria take into account GES targets based on six effects: public health; drinking water quality; recreation; other beneficial uses; aquatic life; and economy and welfare.
- ❑ The updated hotspot lists are included in the individual NAPs.
- ❑ They are considered priority areas which require immediate intervention to be reflected in the countries' projects fiches.



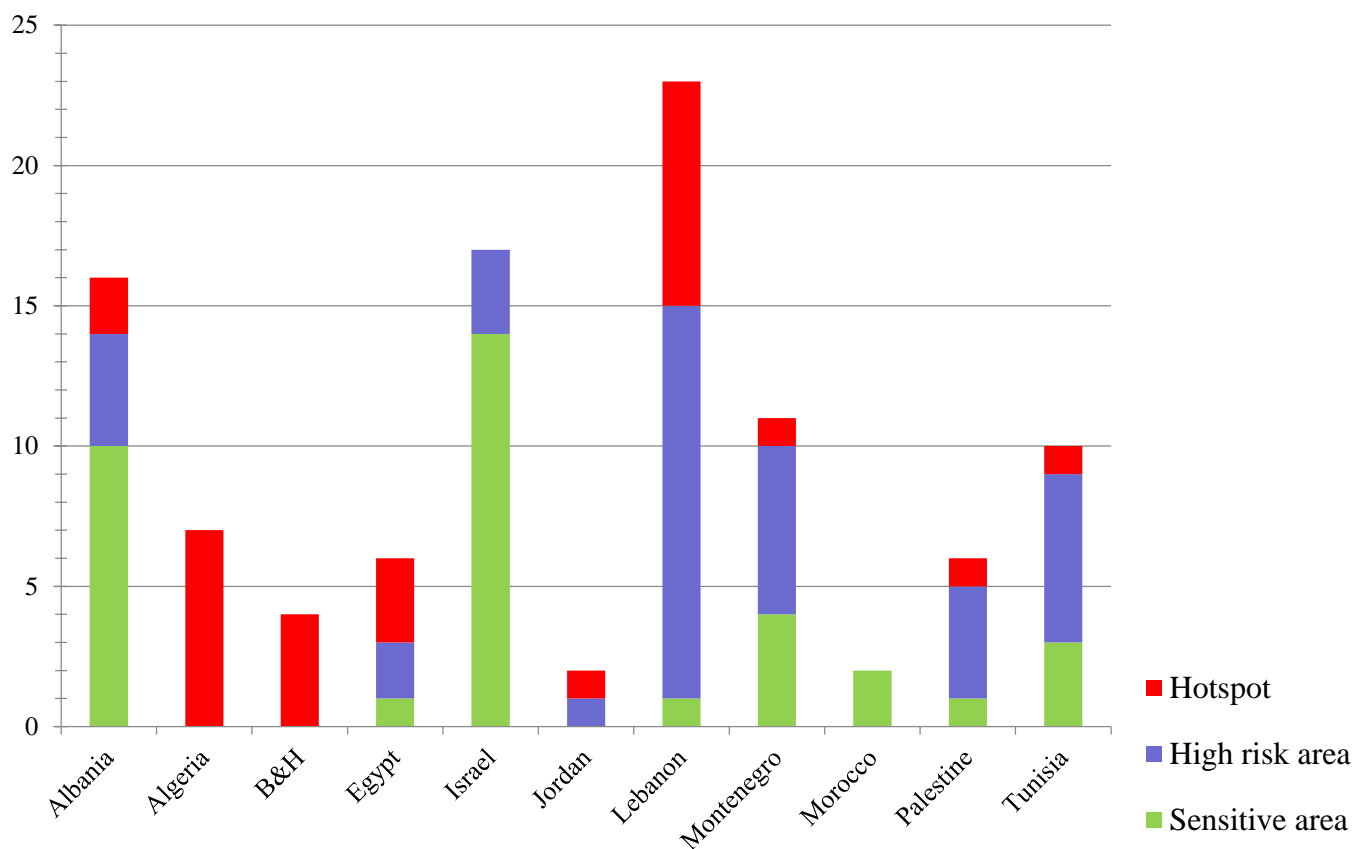
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Country	Hot spot	High risk area	Sensitive Area	Principal environmental issues	EO 5	EO 9	EO 10
Albania	2	4	10	Mainly industrial consisting of highly toxic chemicals, heavy metals, POPs			
Algeria	7	0	0	Hotspots represent almost 65% of the length of the coastline			
Bosnia and Herzegovina	4	0	0	Areas facing population pressure, wastewater pollution, solid waste problems, marine litter			
Egypt	3	2	1	Lake Maryut, Abu Qir Bay, Lake Manzala, El-Mex Bay, Lake Burullus and Port Said			
Israel	0	3	14	Shafdan WWTP, EIL Factory, Agan Factory			
Jordan	1	1	0	Densely populated areas, with no access to Sea			
Lebanon	8	14	1	Cities/towns suffering from high outflow of pollutants and marine litter			
Montenegro	1	6	4	Industrial contamination with heavy metals, POPs, PAHs, and hazardous materials			
Morocco	0	0	2	Tetouan and Tangier: sensitive areas attributed to the pollution caused by industrial facilities			
Palestine	1	4	1	Cities/towns suffering from high outflow of pollutants			
Tunisia	1	6	3	Industrial pollution particularly phosphogypsum and other hazardous pollutants			
Total	28	40	36				

Comparison between the number of hotspots, high risk and sensitive areas per country



Common indicators

- ❑ Contracting Parties provided indicators in their NAPs
- ❑ Suggested indicators include H2020 Indicators, IMAP indicators and others addressing pollution related Protocols of the Barcelona Convention and the Regional Plans.

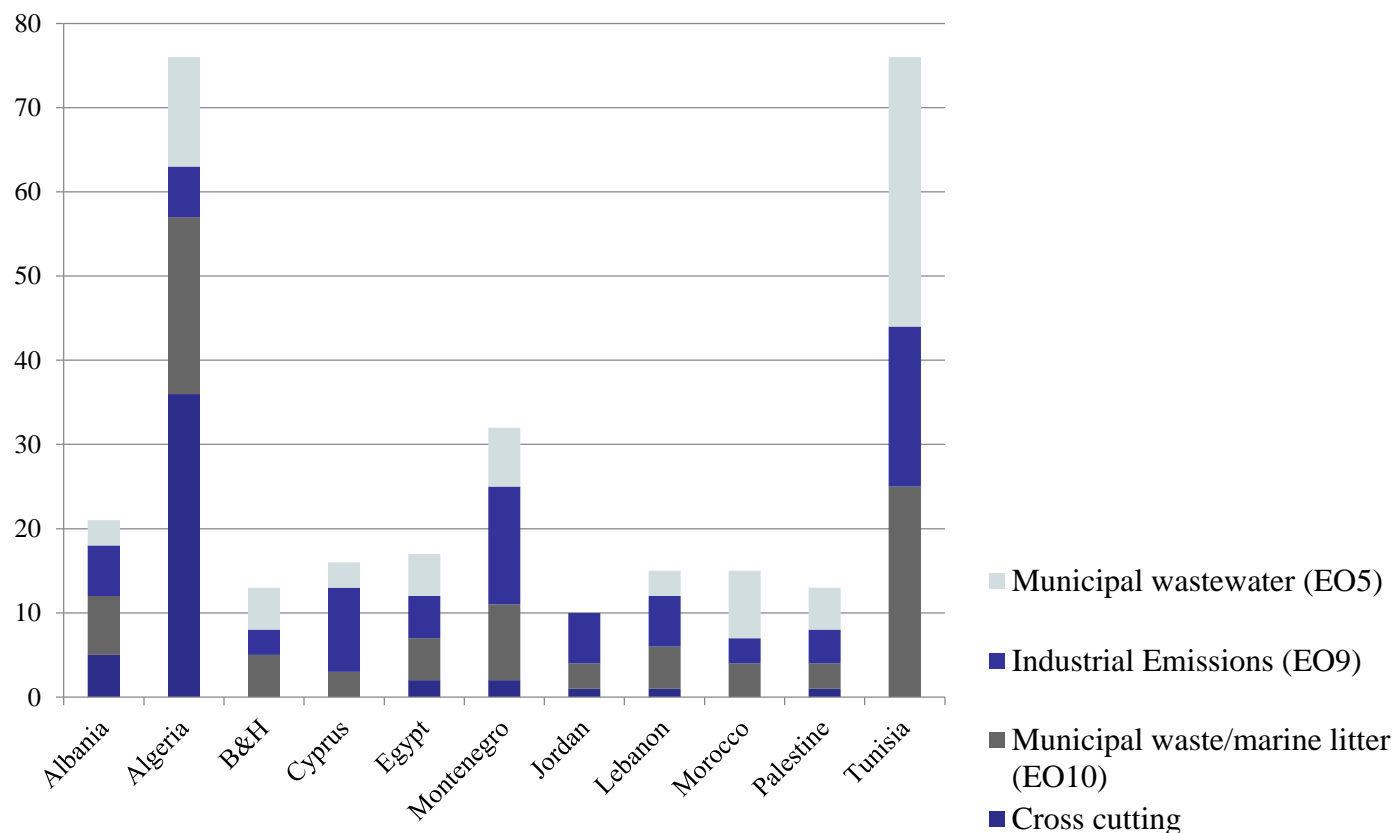


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Total number of indicators adopted by the southern Mediterranean countries and the Balkans



Common indicators

- ❑ The suggested NAP indicators do not offer a consistent way to benchmark performance among the various Mediterranean countries as these vary in scope.
- ❑ Accordingly, a set of common indicators is proposed; one which can be used by all countries and MED POL to monitor the status of implementation of the NAPs.



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Criteria for selection of common indicators

Common indicators are:

- 1) In line with the common operational targets regarding EO5, EO9 and EO10;
- 2) In line with IMAP* common indicators included in the NAP update guidelines;
- 3) In line with the Sustainable Development Goals (SDG) indicators;
- 4) Selected, if possible, by a number of countries in their NAPs (ideally over half the NAP countries);
- 5) Total number of indicators should not exceed 15; covering all three ecological objectives (EO5, EO9 and EO10); and
- 6) Indicators should establish a clear link between the programme of measures, pressures and impacts/state.

** Decision IG.20/4. Implementing MAP ecosystem approach roadmap: Mediterranean Ecological and Operational Objectives, Indicators and Timetable for implementing the ecosystem approach roadmap*

Common indicators under EO5	Type of indicator	Common priority measures
Share of population with access to an improved sanitation system (total, urban, rural)	NAP guideline SDG <i>Reported: 6</i>	Build/ extend sewage networks
Volume of wastewater collected, of which volume of wastewater treated (in population equivalent)	NAP guideline <i>Reported: 4</i>	
Wastewater treated (in population equivalent)	NAP guideline SDG <i>Reported: 7</i>	Build/ expand/ upgrade municipal wastewater treatment plants
Total loads of BOD5, Total nitrogen, Total phosphorus discharged to the Mediterranean Sea from urban wastewater treatment	NAP guideline <i>Reported: 5</i>	
Concentration of key nutrients in the water column	NAP guideline IMAP <i>Reported: 5</i>	



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Common indicators under EO9	Type of indicator	Common priority measures
Number of substances covered by national standards (ELV), for point source discharges into water or air	NAP guideline <i>Reported: 5</i>	Build/ expand/ upgrade IWWTP Build/ expand/ upgrade hazardous waste landfill facility
Concentration of key harmful contaminants in the relevant matrix (biota, sediment, seawater)	NAP guideline IMAP <i>Reported: 5</i>	
The amount of hazardous wastes environmentally soundly managed or exported by Y categories and by disposal/recovery operation (D-disposal, R- recovery, as well as treated in waste to energy facilities)	NAP guideline <i>Reported: 3</i>	
Hazardous waste generated per capita and proportion of hazardous waste treated, by type of treatment	SDG <i>Reported: NA</i>	
Share of contaminated sites with toxic, persistent and liable to accumulate substances in the coastal area which have been closed/remediated including spills from industrial accidents	NAP guideline <i>Reported: 4</i>	Remediate contaminated industrial sites

Common indicators under EO9	Type of indicator	Common priority measures
Proportion of urban solid waste regularly collected and with adequate final discharge out of total urban solid waste generated, by cities	SDG	Establish/ reinforce collection of municipal waste
	<i>Reported: NA</i>	Construct/ upgrade municipal solid waste landfills
Share of recycled, landfilled and incinerated municipal waste with respect to collected amount	NAP guideline SDG <i>Reported: 5</i>	Strengthen waste collection and disposal systems
Amounts/trends of marine litter washed ashore and/or deposited on coastlines, including analysis of its composition, spatial distribution and, where possible, source.	NAP guideline IMAP <i>Reported: 6</i>	
Index of coastal eutrophication and floating plastic debris density	SDG <i>Reported: NA</i>	
Share of existing illegal solid waste dumpsites on land that have been closed (in past 10 years) with respect to the total number	NAP guideline IMAP <i>Reported: 5</i>	Close and rehabilitate illegal dump sites

Regarding common indicators, it is noted that:

- ✓ 15 common indicators, divided into:
 - 5 indicators for EO5,
 - 5 indicators for EO9, and
 - 5 indicators for EO10,
- ✓ 12 NAPs update Guideline indicators are selected (chosen on the average by 5 countries) including H2020 and IMAP indicators.
- ✓ 6 SDG indicators relevant to the scope of pollution control and prevention and assessment of marine and coastal environment.
- ✓ 3 SDG indicators are identical with NAP Guideline indicators while the remaining three are completely new.
- ✓ Both IMAP and SDG indicators are selected based on their relevance to the selected common operational targets, and are in line with the common priority investment measures.



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Next steps to foster NAPs implementation

- ✓ Key to successful NAPs implementation hinges on the ability of countries to implement existing and new measures, enforce the related national regulatory framework, strengthen their capacities and realize key investments.
- ✓ Implementation of these investment measures can be only achieved if project:
 - is a national priority proposed through a coordination mechanism by relevant stakeholders.
 - has political backing and support from central governmental planning agency.
 - is conceived further to coordination with other donors and international financing institutions (IFIs).
 - has secured necessary funding with a clearly set timeframe for completion.



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In conclusion...

- The successful and effective implementation of the NAPs measures will systematically contribute in a concrete manner to the achievement of GES targets by 2020 and 2025 for a cleaner and healthy Mediterranean.
- The Contracting Parties are responsible for NAPs implementation. UNEP/MAP through its MED POL Programme, UfM H2020 Initiative and other programmes will play an instrumental role to foster NAPs implementation.



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