

Mediterranean Action Plan Coordinating Unit Barcelona Convention Secretariat



Rationale for development of industrial emissions indicators and way forward for testing and implementation

2nd Steering Committee of the ENI SEIS II South Support Mechanism project 8th meeting of the H2020 Review and Monitoring (RM) Group

Barcelona, 16-18 October 2017

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Basis for the IE indicators

- Inform H2020 on type of investment measures to be funded.
- Complement existing indicators (IMAP, MSSD, SDG, etc.)
- Fulfill requirements of legally binding decisions and provisions of SAP-MED in the framework of the Barcelona Convention
- Related to planned operational targets and investment measures included in updated NAPs
- Linked to key environmental issues/ pollutants identified in updated hotspots



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Meditemanean Action Plan





Analysis of existing indicators

- "State" indicators deal with concentrations of pollutants, trends, levels, occurrence, origin, etc.
 - addressed principally by H2020/NAP, IMAP and the Regional Seas Programme.
- "Pressure" indicators deal with amounts and quantities of generated wastes, release of toxic substances, etc.

- addressed mainly by MSSD, H2020/NAP and SDG.

• "Response" indicators deal with the amounts of treated wastes and type of treatment, in addition to existing legal frameworks.

- addressed principally by MSSD, H2020/NAP, and SDG



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Conclusions (1)

- There is a good set of "state" indicators under MAP system,
 - can be considered as complementary.
- Indicator: "release of toxic substances and nutrients" under the current H2020...
 - provides the necessary framework for selecting priority substances.
- Indicators related to "response" measures, particularly SDG, are limited only to treatment of generated wastes and related quantities,
 - need to expand on the scope of response indicators into other areas.









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Analysis of requirements of legally binding decisions

- Two types of requirements:
 - 1. Those entailing the establishment of institutional structures and legal frameworks
 - Over 85% of national laws support monitoring, permitting, inspection and application of sanctions; however, supporting institutional structures for enforcement of compliance are only found in two thirds of the countries
 - 2. Requirements entailing the implementation of pollution prevention and control, particularly for the pollutants:
 - Mercury, POPs









Conclusions (2)

- The updated set of indicators should provide data and information on:
 - Ability of countries to establish necessary institutional structures for enforcement of response measures; and
 - Extent to which environmental management measures are effectively implemented by industrial facilities and for remediating contaminated sites.



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Meditentanean Action Pla Bercelona Convertion





Analysis of countries environmental priorities

- Regarding the operational targets:
 - 1. Reduce by XX% of BOD discharged to water bodies
 - 2. Reduce discharge of hazardous substances from industrial plants by XX% or dispose in a safe manner
- Regarding priority investment measures:
 - 1. Build/ expand/ upgrade IWWP.
 - 2. Build/ expand/ upgrade hazardous waste landfill facility.
 - 3. Remediate contaminated industrial sites.
- Key environmental pollutants in hotspots
 - Nutrients, hazardous wastes, highly toxic chemicals, heavy metals, POPs and PAHs









Principal environmental issues in industrial hotspots



Conclusions (3)

- The updated set of indicators should provide data and information on:
 - The status of industrial wastewater treatment plants;
 - Effectiveness of treatment of hazardous wastes; and
 - Address pollution hotspots with special focus on contaminated sites.



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Barrelona Committee





Proposed set of updated H2020 industrial emissions indicators

No.	Title of indicator
IND 6-1	Release of nutrients from industrial sectors
IND 6-2	Release of toxic substances from industrial sectors
IND 6-3	Per capita hazardous wastes treated/ recovered/ disposed in hazardous waste facilities
IND 6-4	Share of implemented environmentally sound management initiatives for upgrading industrial installations and remediating contaminated sites
IND 6-5	Share of enforced Emission Limit Values (ELV) to those adopted in national regulations for priority substances impacting the Mediterranean marine environment

No.	Planned Activity	Resp.	Oct	Nov	Dec	Jan	Feb
1	Nomination of national industrial emissions experts	СР					



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United Stations Meditestanean Action Plan Environment Programme Barcelona Convention





No.	Planned Activity	Resp.	Oct	Nov	Dec	Jan	Feb
1	Nomination of national industrial emissions experts	СР					
2	Review and finalization of five indicators	CP / MK					



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Meditestanean Action Plan Environment Programme **Barcelona** Convention





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3	Review and finalization of indicators' specifications	CP / MK					



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3	Review and finalization of indicators' specifications	CP / MK					
4	Visits to countries and determination of institutional constraints and lacking capacities preventing countries from reporting on the five H2020 indicators	MK					



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4	Visits to countries and determination of institutional constraints and lacking capacities preventing countries from reporting on the five H2020 indicators	MK					
5	Developing guiding documents to upgrade existing capacities and strengthen institutional structures for collection of data, analysis and reporting on indicators	MK					



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6	Implementation of recommendations in guiding documents and upgrading existing structures for collection of data, analysis and reporting on indicators	СР					



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6	Implementation of recommendations in guiding documents and upgrading existing structures for collection of data, analysis and reporting on indicators	СР					
7	Testing/ reporting on effectiveness/ efficiency of upgraded structures for generating data for 5 indicators	СР					
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Environment Programme

Barcelona Convention

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6	Implementation of recommendations in guiding documents and upgrading existing structures for collection of data, analysis and reporting on indicators	СР					
7	Testing/ reporting on effectiveness/ efficiency of upgraded structures for generating data for 5 indicators	СР					
8	Review of outputs of implementation of the upgraded structures, and proposing options for dealing with	MK					

Way forward February to December 2018

No.	Planned Activity	Resp.	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1	Implement developed monitoring plans and produce regular reports on monitoring results	СР									
2	Assess Countries' monitoring reports and update/ develop new guidelines addressing observed weaknesses issues	МК									
3	Conduct capacity building to improve process for data collection and reporting	МК									
4	Produce baseline assessment report for each indicator	МК									



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Thank you



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