

Mediterranean Action Plan Coordinating Unit Barcelona Convention Secretariat



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

2<sup>nd</sup> Steering Committee of the ENI SEIS II South Support Mechanism project 8<sup>th</sup> 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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#### **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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# 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

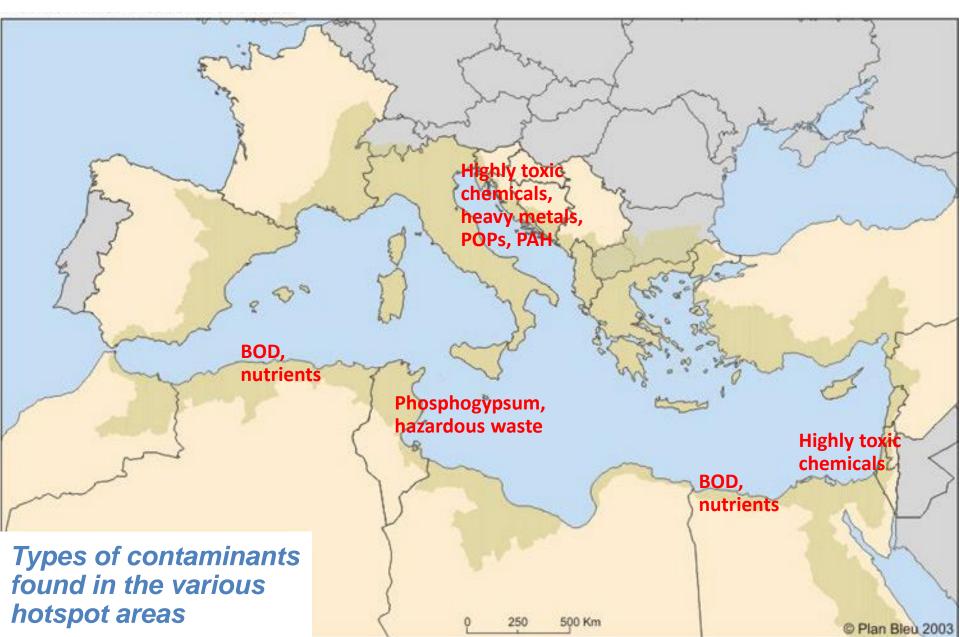








#### Principal environmental issues in industrial hotspots



#### **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

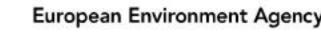
No.	Planned Activity	Resp.	Oct	Nov	Dec	Jan	Feb
1	Nomination of national industrial emissions experts	СР					



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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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1	Nomination of national industrial emissions experts	СР					
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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					



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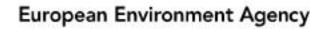
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4	Visits to countries and determination of institutional constraints and lacking capacities preventing countries from reporting on the five H2020 indicators	MK					
5	Developing guiding documents to upgrade existing capacities and strengthen institutional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