



Future development of NAP/EcAp/H2020 indicators

1st Steering Committee Meeting
ENI SEIS South Support Mechanism project

7th meeting of the Horizon 2020 Review and Monitoring (RM)

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Athens, Greece

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Setting the scene

- 2012-2013: six aggregated indicators to assess implementation of UfM H2020 Initiative (H2020 RM Group):
 - Wastewater, Solid waste; Industrial development
- 2014: Larger scope of H2020 (ML and HW)
- MAP Ecosystem Based Ecological Objectives to achieve GES etc.
- 56 EcAp Indicators agreed by COP 17/18
- 2013: commitment of the CP to update NAPs (COP18)
- 2014/2015: preparation of NAP update Guidelines by the Secretariat and a list of follow up indicators (over 50 indicators)
- 2015/2016: SDG and MSSD Indicators (work ongoing)
- 2016: Endorsement of updated NAPs (COP19); IMAP Decision: 23 Common indicators, NAP common follow up Indicators: up to 15
- 2020: Mid term report on NAP implementation



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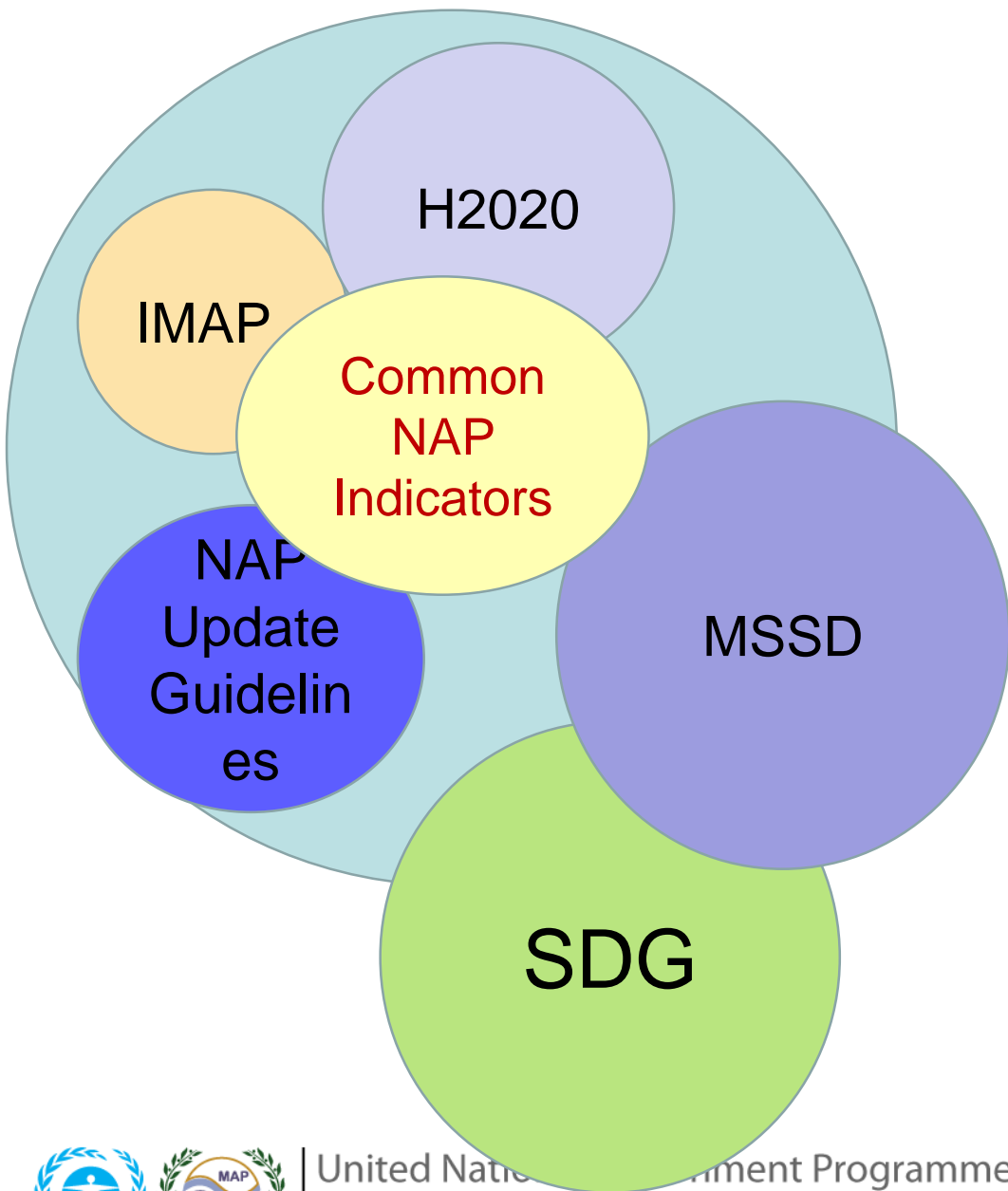
Need for further Indicators streamlining to facilitate *reporting once approach*

- **Develop** a common set of indicators to streamline different reporting; Meet both the UNEP/MAP Barcelona Convention and H2020 Initiative reporting
- Takes into account the enlarged scope of the H2020 and translate this to adjust the current battery of H2020 Indicators (ML and HW, enforcement!)
- Take into consideration parallel processes, SDG indicators, MSSD indicators, etc., to support countries/partners to meet reporting requirement under the SDG and MSSD (Regional Seas Indicators!)
- Give priority to indicators which are commonly found in several NAPs, and similar or the same with the SDG
- Support assessment of H2020/NAP implementation/effectiveness of NAP measures / achievement of operational targets
- Complemented by relevant IMAP common indicators for assessment of GES achievement in the **long term** (2021 and beyond)



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Bottom up – top down approach

- Selection Criteria:
 - ✓ Including or taken into account already IMAP and respective H2020 common indicators
 - ✓ Selected, if possible, by a number of countries in their NAPs (ideally over half the NAP countries);
 - ✓ Relevance with the H2020 SDG indicators;
 - ✓ Total number of indicators should not exceed 15; covering all three ecological objectives (EO5, EO9 and EO10); and
 - ✓ Indicators should establish a clear link between the programme of measures, pressures and GES

EO5 Eutrophication

EO	Proposed core NAPs indicators	NAPs Update Guideline Indicator /H2002 Ref. No	IMAP Indicator Ref. No	SDG Indicator Ref. No	Common priority measures
EO5	1. Share of population with access to an improved sanitation system (total, urban, rural)	WW01		6.2.1	Build/ extend sewage networks
	2. Volume of wastewater collected, of which volume of wastewater treated (in population equivalent)	WW02			
	3. Wastewater treated (in population equivalent)	WW03		6.3.1	Build/ expand/ upgrade municipal wastewater treatment plants
	4. Total loads of BOD5, Total nitrogen, Total phosphorus discharged to the Mediterranean Sea from urban wastewater treatment	WW05			
	5. Concentration of key nutrients in the water column	WW06	13 (5.1.1)		

EO9 Contaminants

EO	Proposed core NAPs indicators	NAPs Update Guideline Indicator /H2002 Ref. No	IMAP Indicator Ref. No	SDG Indicator Ref. No	Common priority measures
EO9	6. Number of substances covered by national standards (ELV), for point source discharges into water or air	IND05			Build/ expand/ upgrade IWWTP
	7. Concentration of key harmful contaminants in the relevant matrix (biota, sediment, seawater)	IND01	17 (9.1.1)		
	8. 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)	HW02			Build/ expand/ upgrade hazardous waste landfill facility
	9. Hazardous waste generated per capita and proportion of hazardous waste treated, by type of treatment			12.4.2	
	10. 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	IND06			Remediate contaminated industrial sites

EO10 Marine Litter

EO	Proposed core NAPs indicators	NAPs Update Guideline Indicator /H2002 Ref. No	IMAP Indicator Ref. No	SDG Indicator Ref. No	Common priority measures
EO10	11. Proportion of urban solid waste regularly collected and with adequate final discharge out of total urban solid waste generated, by cities			11.6.1	Establish/ reinforce collection of municipal waste
					Construct/ upgrade municipal solid waste landfills
	12. Share of recycled, landfilled and incinerated municipal waste with respect to collected amount	MW05		12.5.1	Strengthen waste collection and disposal systems
	13. Amounts/trends of marine litter washed ashore and/or deposited on coastlines, including analysis of its composition, spatial distribution and, where possible, source.	MW01	22 (10.1.1)		
	14. Index of coastal eutrophication and floating plastic debris density			14.1.1	
	15. Share of existing illegal solid waste dumpsites on land that have been closed (in past 10 years) with respect to the total number	MW07			Close and rehabilitate illegal dump sites

Links with MSSD indicators

MSSD indicators	Core NAPs indicators
Proportion of the coastal urban population connected to a sanitation network	1. Share of population with access to an improved sanitation system (total, urban, rural)
Percentage of wastewater treated (SDG Indicator)	2. Volume of wastewater collected, of which volume of wastewater treated (in population equivalent) 3. Wastewater treated (in population equivalent)
Share of population with access to an improved sanitation system (total, urban, rural)	1. Share of population with access to an improved sanitation system (total, urban, rural)
Waste generated and treated by type of waste and treatment type	9. Hazardous waste generated per capita and proportion of hazardous waste treated, by type of treatment 11. Proportion of urban solid waste regularly collected and with adequate final discharge out of total urban solid waste generated, by cities



Links with RS core indicators

Possible RS core indicators	Core NAPs indicators
Chlorophyll a concentration as an indicator of phytoplankton biomass	4. Total loads of BOD5, Total nitrogen, Total phosphorus discharged to the Mediterranean Sea from urban wastewater treatment
Trends for selected priority chemicals including POPs and heavy metals	7. Concentration of key harmful contaminants in the relevant matrix (biota, sediment, seawater)
Quantification and classification of beach litter items	13. Amounts/trends of marine litter washed ashore and/or deposited on coastlines, including analysis of its composition, spatial distribution and, where possible, source.
1) Concentration of Status of selected pollutant contamination in biota and sediments and temporal trends 2) Number of hotspots	7. Concentration of key harmful contaminants in the relevant matrix (biota, sediment, seawater)
1) % coastal urban population connected to sewage facilities	1. Share of population with access to an improved sanitation system (total, urban, rural)
3) % of untreated waste water	2. Volume of wastewater collected, of which volume of wastewater treated(in population equivalent)
3) Amount of recycled waste on land (%)	12. Share of recycled, landfilled and incinerated municipal waste with respect to collected amount



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Key conclusion from NAP Regional Meeting, Marseille, October 2016

- It was acknowledged that the proposed list of **indicators** selected using the bottom-up approach contains relevant **IMAP indicators, H2020 indicators, as well as SDG indicators ...**
- It was also recommended to take into account the process related to the indicators for MSSD implementation
- To continue this work in the framework of H2020 Review and Monitoring sub-group co-chaired by the EEA and UNEP/MAP, for final consideration at the MEDPOL focal point meeting in 2017.



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Thank you for your attention

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