



# Adjustment of H2020 Water indicators

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

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European Topic Centre on Inland,  
Coastal and Marine Waters



**Deltares**

# Objectives

- Present the rationale and proposed H2020 Water Indicators set for Phase II of ENI SEIS
- Present the draft work plan for the Water component in 2017-2018



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# H2020 Water Indicators (Phase I)

<b>IND 3</b>	Share of population with access to an improved sanitation system (total, urban, rural)
<b>IND 4</b>	Volume of waste water collected, of which volume of waste water treated (and type of treatment)
<b>IND 5</b>	Nutrient concentrations in transitional, coastal and marine waters

- Maintain the 3 existing Water Indicators
- Further development and extension



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# Key selection criteria

- ✓ Be issue specific yet relevant to all countries
- ✓ Build on existing indicators process in the region to ensure full use of existing information and data
- ✓ In line with extension of H2020 scope
- ✓ Allow for in-depth analysis in relation to previous assessments
- ✓ Relevant to other regional processes (eg EcAP, MSSD)
- ✓ Able to reflect the effectiveness/impact of new investments
- ✓ **Answer the key H2020 Question: "What is the progress in depolluting the Mediterranean Sea?"**



Phase I	
IND 3	<i>Share of population with access to an improved sanitation system</i>

### Links with existing indicators

- ↔ **Millennium Development Goals (MDGs; 2000-2015) Indicator 7.9**
- ↔ **MSSD indicator 2.14**
- ↔ **Core NAP indicators EO5 #1**



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## ACCESS TO SANITATION

IND 3

**3.1 a** *Share of population with access to an **improved sanitation** system (total, urban, rural)*

**3.1 b** *Proportion of population **using safely managed sanitation services**, including a hand-washing facility with soap and water (total, urban, rural)*



**Extend the indicator to include new SDG 6.2.1 definition and MSSD adjustment**

→ new definition considers management aspects of sanitation and not only access



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Phase I	
IND 4	<i>Volume of wastewater collected, of which volume of wastewater treated (and type of treatment)</i>

### Links with existing indicators

- ↔ **SDG indicator 6.3.1:** *Proportion of wastewater safely treated*
- ↔ **MSSD indicator 2.5:** *Percentage of wastewater treated*
- ↔ **Core NAP indicators EO5 #2 and #3**



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Phase II	<b>WASTEWATER MANAGEMENT</b>
IND 4	<p><b>4.1 Volume of wastewater <i>produced</i></b></p> <p><b>4.2 Volume of wastewater <i>collected</i>, of which volume of wastewater <i>treated</i></b></p> <p>(Additional information)</p> <ul style="list-style-type: none"><li>• Wastewater Treatment Infrastructure (design/actual capacity, age, performance over time);</li><li>• Type of Treatment (primary, secondary, tertiary);</li><li>• Quality of Effluent (BOD5 and/or nutrients)</li></ul> <p><b>4.3 Volume of (treated) wastewater <i>re-used</i></b></p>



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Phase I	
IND 5	<i>Nutrient concentration in transitional, coastal and marine waters</i>

### Links with existing indicators

↔ **Common Indicator 13:** *Key nutrients concentration in water column* being developed under IMAP, as part of Ecologic Objective 5:

*Human-induced eutrophication is prevented, especially adverse effects thereof, such as losses in biodiversity, ecosystem degradation, harmful algal blooms and oxygen deficiency in bottom waters.*



Phase II	<b><i>Coastal and Marine Water Quality</i></b>
IND 5	<b>5.1 <i>Nutrients concentrations in coastal and marine waters</i></b>  <b>5.2 <i>Bathing Water Quality (e.g. considering standards of microbiological parameters)</i></b>



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# Freshwater management - “Supporting Indicators”

Phase II of H2020 **extended to include marine and freshwater**



Address water resources, with particular focus on **water scarcity/water shortage** issues as well as **non-conventional water resources**



Several Indicators can be considered:

- Change in water-use efficiency over time (SDG 6.4.1) – Water efficiency index (MSSD 2.2)
- Exploitation index of renewable natural resources (MSSD 2.12)
- Water Exploitation Index+ (EEA CSI 018)
- Level of water stress - freshwater withdrawal as a proportion of available freshwater resources (SDG 6.4.2, SCP 2.1)
- Volume of seawater desalinated

## “Supporting Indicators”

No reporting expected as compared to the Core H2020 Indicators

No specification/assessment sheets will be developed under H2020

Strengthen the regional assessment and support the capacity of the countries to address these indicators



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# Overview of proposed set of Water Indicators

WATER	Policy Theme	Indicator
IND 3	<b><i>Access to Sanitation</i></b> (1 Indicator)	<p><b>3.1a</b> Share of total, urban and rural population with access to an improved sanitation system</p> <p><b>3.1b</b> Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water</p>
IND 4	<b><i>Municipal Wastewater Management</i></b> (3 Indicators)	<p><b>4.1</b> Volume of municipal wastewater produced</p> <p><b>4.2</b> Volume of wastewater collected, of which volume of wastewater treated</p> <ul style="list-style-type: none"> <li>• Wastewater Treatment Infrastructure (design/actual capacity, age, performance over time);</li> <li>• Type of Treatment (primary, secondary, tertiary);</li> <li>• Quality of Effluent (BOD5 and/or nutrients)</li> </ul> <p><b>4.3</b> Volume of (treated) wastewater re-used</p>
IND 5	<b><i>Coastal and Marine Water Quality</i></b> (2 Indicators)	<p><b>5.1</b> Nutrient concentrations in transitional, coastal and marine waters</p> <p><b>5.2</b> Bathing Water Quality e.g. Microbiological parameters</p>
“Supporting Indicators”	<b><i>Freshwater resource management</i></b>	<ul style="list-style-type: none"> <li>• Water Efficiency Index (MSSD 2.2); Change in water-use efficiency over time (SDG 6.4.1);</li> <li>• Water Exploitation Index+ (EEA CSI 018); Level of water stress (SDG 6.4.2, SCP2.1)</li> <li>• Volume of seawater desalinated</li> </ul>



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# Work Plan 2017 – 2018

	2017					
	Jul	Aug	Sep	Oct	Nov	Dec
<b>WP2 - Indicators and assessments - WATER</b>						
<b>Adjustment of Water indicators</b>						
Review of H2020 Water Indicators						
Development of concept note on adjustment of Water indicators						
Webinar with countries for feedback on adjusted Water indicators			x			
Consult with country Water experts						



# Work Plan 2017 – 2018

	2017				2018				
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
<b>WP2 - Indicators and assessments - WATER</b>									
<b>Methodological specification of Water Indicators</b>									
Develop revised indicator specifications (methodological guidance)						x			
Consult with NFPs & country Water experts (e.g. Webinars)					x				
Guidance and support to countries (e.g. regional workshop on disaggregation of sub-regional data)									



# Work Plan 2017 – 2018

	2017		2018										2019
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	(...)	Apr
<b>WP2 - Indicators and assessments - WATER</b>													
<b>Development of Water section in regional and country level assessment</b>													R
Data handling & data analysis													
Development of indicator assessment sheets													
Guidance and support for country level assessments (water section)													



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# Work Plan 2017 – 2018

	2017						2018											
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	(...)	Oct	Dec			
<b>WP3 - Data and statistics - WATER</b>																		
Development and analysis of outcomes of metadata survey		█	█	█	█	█	█											
Contribution to data dictionaries, building on the previous phase, outcomes of metadata survey and ensuring harmonization with Barcelona Convention				█	█	█	█											
Guidelines and expert support on data production, management and analysis (e.g. training on Spatial Data Infrastructure/SDI, data management, data flow models)			█	█	█	█	█	█	█	█	█	█	█	█	█			
Transfer of know-how and EU experience on recent data policy developments and data exchange protocols			█	█	█	█	█	█	█	█	█	█	█	█	█			
Establishing links to initiatives supporting the development of national water information systems (e.g. Water Knowledge Platform)				█	█	█	█	█	█	█	█							





Thank you  
Merci  
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