

# Implementation of the Shared Environmental Information System (SEIS) principles and practices in the ENP South region

*ENI SEIS South Support Mechanism (2016-2019)*

**Synergies Mediterranean Water Knowledge Platform**

**Exchange of experience workshop on Water Information Systems**

*19 October 2017, Barcelona*

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*Project Coordinator – ENI SEIS South Support Mechanism*

*European neighbourhood policy activities*



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# The ENI SEIS South Support Mechanism (2016-2020)



## EEA and ENI SEIS II South project coverage

- EEA member countries
- EEA cooperating countries
- ENI SEIS II South

The map does not imply any opinion from EEA concerning the legal status of any country or territory, its area of authority or the delineation of its frontiers and boundaries.

\* Collaboration is temporarily suspended

- **Regional project** – supporting a long-term engagement to EU policies and external policy framework aligning to the Union for the Mediterranean and Barcelona Convention efforts on reducing marine pollution

Algeria – Egypt – Israel – Jordan – Lebanon – Libya – Morocco – Palestine – Tunisia

- EEA and UNEP/MAP – co-chairs of the **Review and Monitoring group** of the H2020 Initiative for a cleaner Mediterranean
- **Building on previous cooperation projects:** ENPI-SEIS (2010-15) and InSEIS (2014-15) – good basis for further activities in **close partnership with UNenvironment/MAP**
- Commitment to sustain the cooperation with the European Neighbourhood partners in the South, drawing on **Eionet support and identified good practice examples**

# ENI SEIS South Support Mechanism - Key project elements

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**Objective:** To improve the availability and access to environmental information to the benefit of effective and knowledge-based policy-making.

**Expected results:**

- The H2020 **indicator set** is refined and complemented to serve multiple purposes.
- The in-country processes for organising **sharing of data sets** underlying the H2020 indicators are stabilised.
- **Indicator-based H2020 report** and assessments are produced in line with EEA/Eionet practices.
- The **infrastructure** for reporting offered by the EEA and UNEP/MAP is more widely used.

**Duration:**

48 months  
(01 February 2016 –  
31 January 2020)

**Budget:**

€4.2 M

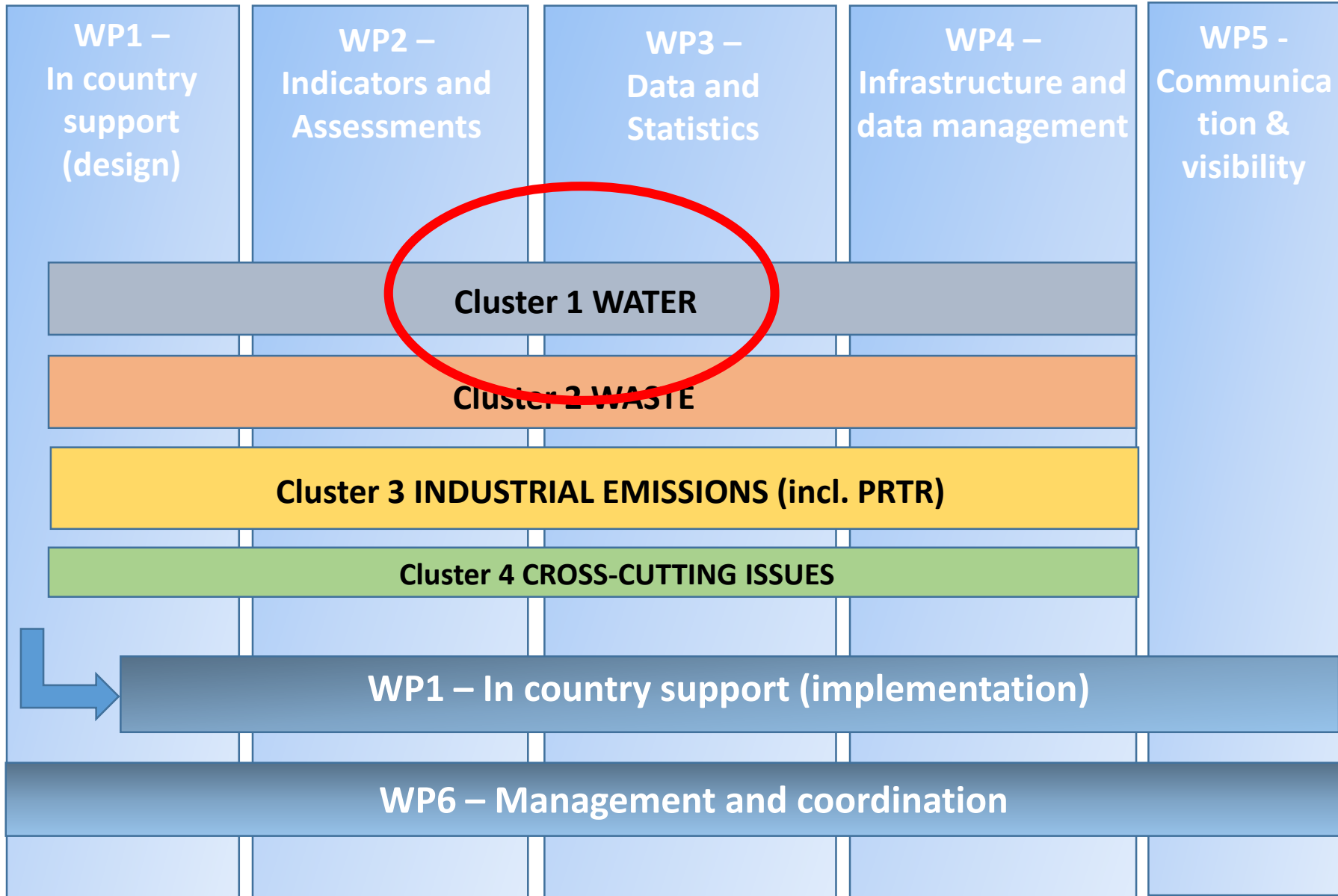
**EEA-UNEP/MAP  
project team:**

3 fte project-funded

**Resources:**

EEA-UNEP/MAP experts  
Framework contractors  
Eionet partners

# Conceptual framework for the SEIS Support Mechanism - South



- SEIS capacity building activities (trainings, workshops, events at national and sub/regional level)
- Coverage of experts' travel arrangements related to SEIS project activities (expert visits, study tours)
- Co-financing of country specific pilot projects e.g. thematic work related to indicators, assessments or information system
- In-Country support (SSFA)
- EEA (framework contracts and networking partners ETC, Eionet)

## 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?"**



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United Nations  
Environment Programme



Mediterranean Action Plan  
Barcelona Convention

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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**



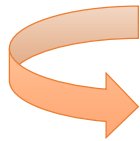
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	<b>ACCESS TO SANITATION</b>
<b>IND 3</b>	<p><b>3.1 a</b> <i>Share of population with access to an <b>improved sanitation</b> system (total, urban, rural)</i></p> <p><b>3.1 b</b> <i>Proportion of population <b>using safely managed sanitation services</b>, including a hand-washing facility with soap and water (total, urban, rural)</i></p>



**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.*



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

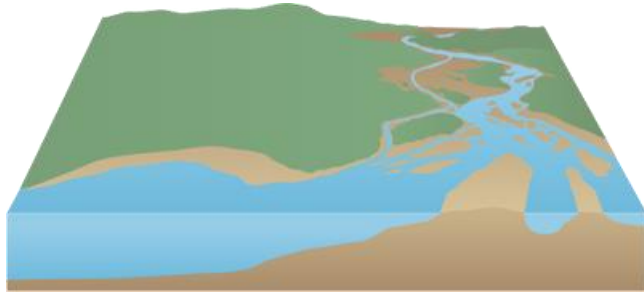


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## Freshwater management - “Supporting Indicators”

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)	<b>3.1a</b> Share of total, urban and rural population with access to an improved sanitation system <b>3.1b</b> Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water
IND 4	<b><i>Municipal Wastewater Management</i></b> (3 Indicators)	<b>4.1</b> Volume of municipal wastewater produced  <b>4.2</b> Volume of wastewater collected, of which volume of wastewater treated <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> <b>4.3</b> Volume of (treated) wastewater re-used
IND 5	<b><i>Coastal and Marine Water Quality</i></b> (2 Indicators)	<b>5.1</b> Nutrient concentrations in transitional, coastal and marine waters <b>5.2</b> Bathing Water Quality e.g. Microbiological parameters
“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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# The project timeframe



**H2020 Initiative for a cleaner Mediterranean**

Athens Declaration (May 2014)

- H2020 programme of work 2015-2020
- H2020 Indicators and assessment

**UNEP/MAP Barcelona Convention**

Ecosystem approach, SEIS principles

- NAP implementation
- IMAP – set of common indicators
- MSSD

**REGIONAL**

Quality Status Report  
IMAP InfoSystem

Indicator management,  
data service

2<sup>nd</sup> H2020 indicator-based assessment

UNEP/MAP SoED

2020/2021  
Next reporting cycle

EU  
Euro-MED  
Global



**NATIONAL**

**Inception phase**

- Establishment of national work plans
- Governance structure/ NFPs

**Anchoring the work in national setting**

- National Team (mandate, objectives)
- National pilot/case
- National support
- Links to other initiatives
- H2020 Indicators
- Assessment framework

**Results available**

- Sharing of experiences among countries
- National achievements in regional setting
- Data quality
- H2020 Country Profiles
- Endorsement of results

**“Evidence-based policy making”**

- Country-level assessments
- Contribution to the 2<sup>nd</sup> H2020 report
- Reporting/availability of indicators
- Policy briefs

# Up coming activities

Consultation with water experts on proposed set of H2020 water indicators	Oct-Nov 2017
Development of methodological guidance (specification factsheets) – test new indicators	Oct – February 2018
Consultation with experts on factsheets - webinars	Jan-February 2018
Regional workshop on H2020 core set of indicators	<b>February 2018</b>
Guidance and support to countries (workshop, TA missions)	February-April 2018
Data work	Jan-April 2018
Indicator assessment	Feb-May 2018
Guidance and support to country level assessment	March-Oct 2018



Proposed synergy with WIS – water knowledge platform  
Development of standards for river basins reporting



# Thank you for your attention!



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