

**Implementation of the Shared Environmental
Information System (SEIS) principles and practices
in the ENP South region
*ENI SEIS South Support Mechanism (2016-2019)***

***Country visit Egypt
30 Nov-01 Dec 2016***



This project is funded by the European Union



European Environment Agency

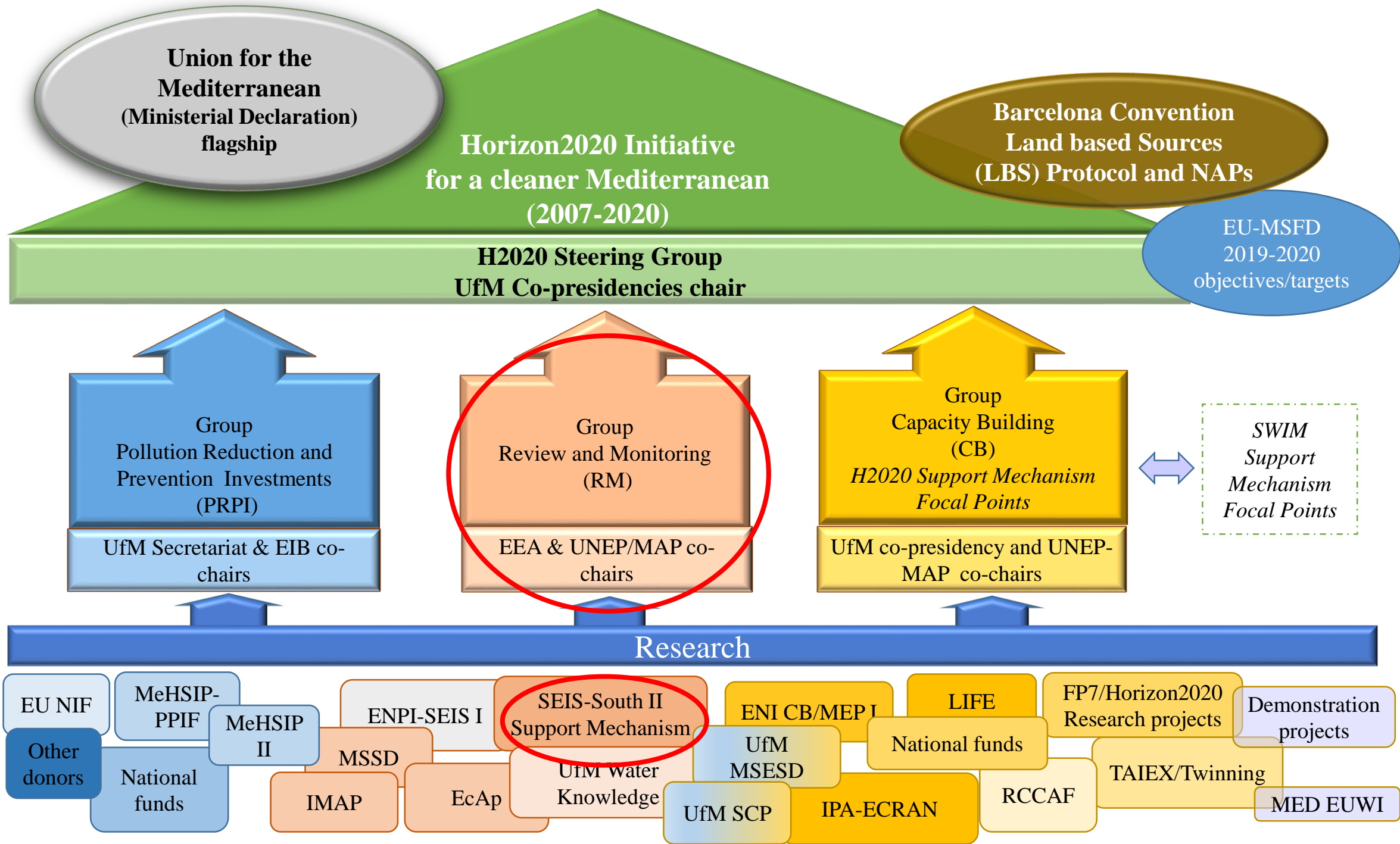


Union for the Mediterranean (UfM) - Horizon 2020 initiative for a Cleaner Mediterranean

Main commitments related to the second phase of Horizon 2020 Initiative (2015-2020)



- Broadening the **scope**: more focus on pollution prevention and attention to emerging issues including hazardous waste and marine litter;
- Increased **synergies** with the UNEP/MAP-Barcelona Convention (IMAP, Regional Plans, SCP Action Plan, MSSD, NAP update including hotspots and project prioritisation, MoU, mainstreaming of focal points as appropriate);
- Commitment to **apply SEIS principles** in line with UNEP/MAP-EcAp Decisions;
- Commitment to initiate **reforms** at national level to create an attractive investment environment;
- Commitment regarding **implementation and enforcement** of legislation.



The ENI SEIS South Support Mechanism (2016-2019)



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

- **A regional project** - long-standing support to EU policies and external policy framework aligning to the Union for the Mediterranean and Barcelona Convention efforts on reducing marine pollution
- EEA co-chairs the **Review and Monitoring group** of the H2020 Initiative for a cleaner Mediterranean
- **Building on recent projects:** ENPI-SEIS (2010-2015) and InSEIS (2014-2015) – good basis for further activities in **close partnership with UNEP/MAP**
- Commitment to sustain the cooperation with the European Neighbourhood partners in the South, drawing on **Eionet support and identified good practice examples**

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

Purpose of the visit:

- **Confirm SEIS vision for Egypt for the new phase of cooperation**
- **Discuss the work plan of the new regional project and national elements to be considered for specific support**
- **Identify a first list of actions to elaborate the national work plan under the project**

Strong links with UNEP/MAP Barcelona Convention activities

- Adoption of 10 **Regional Plans** as legally binding PoM addressing the three sectors of H2020 (WW, MW and industrial emissions) COP16, 17, 18
- **NAP** update process under the LBS Protocol in synergy with PoM under the EU MSFD
- Update of the list of the Mediterranean hotspots based on new criteria related to GES
- **IMAP, MSSD 2016-2025** and SCP Action Plan adopted by COP 19
- **Marine Litter** Assessment report, 2015
- SAP MED/NAP 2003-2013 implementation evaluation
- **PRTR** pilot projects implemented in 5 countries

- EEA-UNEP/MAP Joint Work Plan 2016-2021
- Contribution agreement SEIS-South Support Mechanism (2016-2019)



Horizon 2020 Mediterranean report - Toward shared environmental information systems (2014)

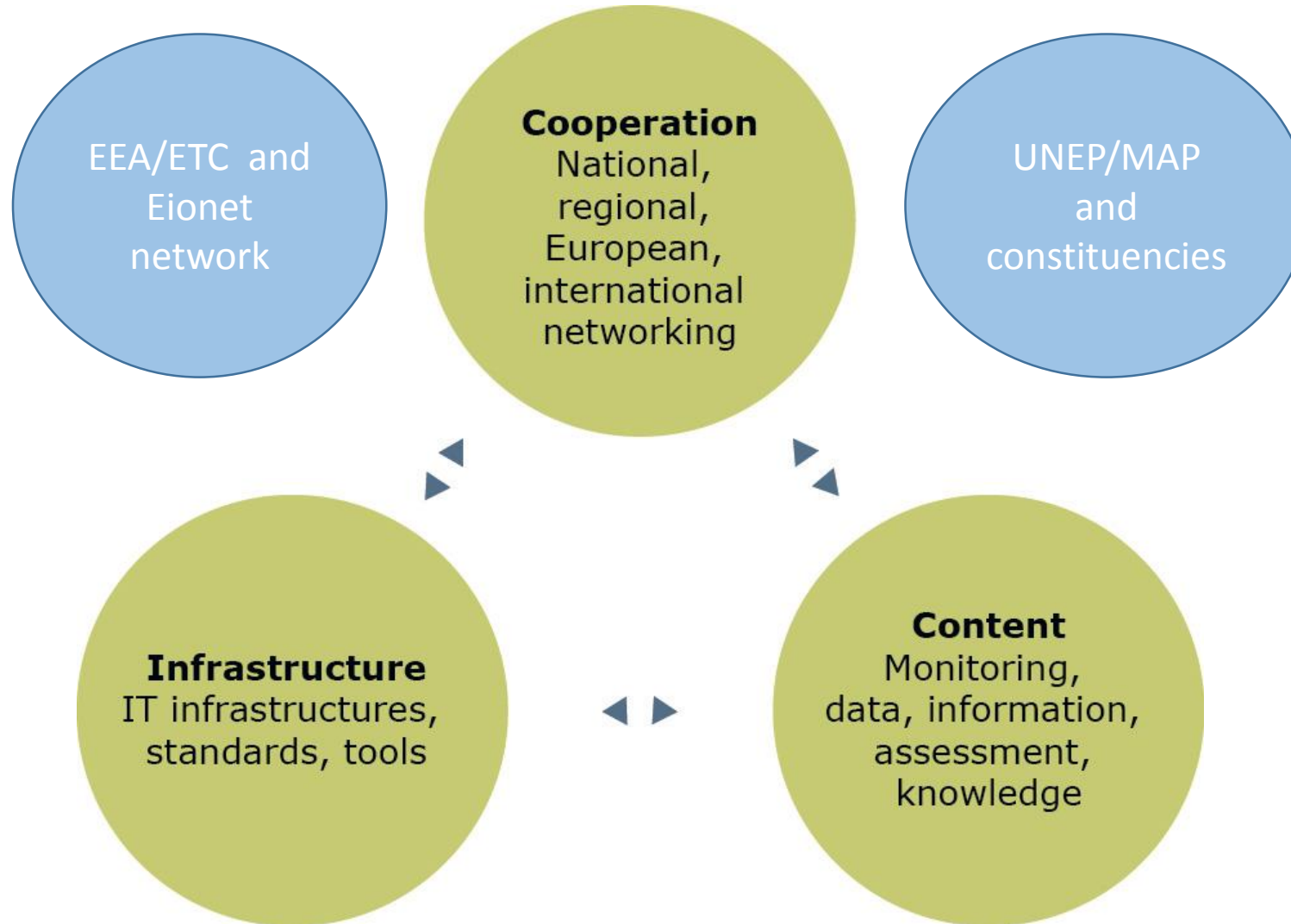


- **Regional assessment** coordinated by EEA/ETC and UNEP/MAP under ENPI-SEIS project (2010-2015)
- Input to the mid-term review of the Horizon 2020 Initiative, presented at the UfM meeting of environment ministers in **May 2014, Athens**
- Focus on **waste water and sanitation, solid municipal waste and industrial emissions**
- Recognising efforts put by all partner countries, report concludes that the region **needs to work even harder together** in order to meet its target to depollute the sea by 2020.

Country-level assessments
for 5 countries:
Israel
Jordan
Morocco
Palestine
Tunisia



Building the knowledge base on SEIS pillars



ENI-South Support Mechanism: objective and expected results (2016-2019)



- **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 in order to be able to serve multiple purposes.
 - The in-country processes for organising **sharing of data sets** underlying the H2020 indicators are stabilised.
 - **Indicator-based H2020 report(s)** and assessments are produced in line with EEA/Eionet practices.
 - The **infrastructure** for reporting offered by the EEA ('Reportnet') and UNEP (InfoMAP/MED POL reporting tools) is more widely used.

Project governance and steering

Political Level
annual meeting convened by EC



Union for Mediterranean (UfM Environment and Climate Change) / H2020 for a cleaner Mediterranean

Partners and other regional projects
Eionet, EIB, JRC, UNSD, UN-ESCWA, EcAp, MED II, SWIM/H2020 Support Mechanism, CEDARE, MedPartnership, SWITCH-MED, CLIMA-South, SWEEP-Net

Strategic Steering Level
2 annual meetings



Project Management Group
EEA&UNEP/MAP +EC (NEAR, ENV, ESTAT)

Ad hoc input

ENI/IPA EEA internal Steering Committee



Steer

Project Team
EEA&UNEP/MAP

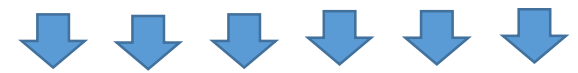
Project Steering Level
1 annual meeting



Regional Project Steering Committee
EEA&UNEP/MAP +DG NEAR + DG ENV + 9*2 NFPs

Steer

Pool of expertise
EEA staff, Eionet, framework contractors, ETCs, national assistants, etc...

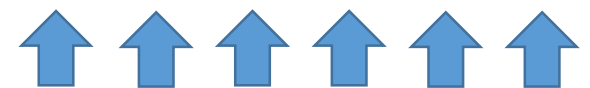


Input, training, etc...

Operational Level
1 annual meeting with EEA

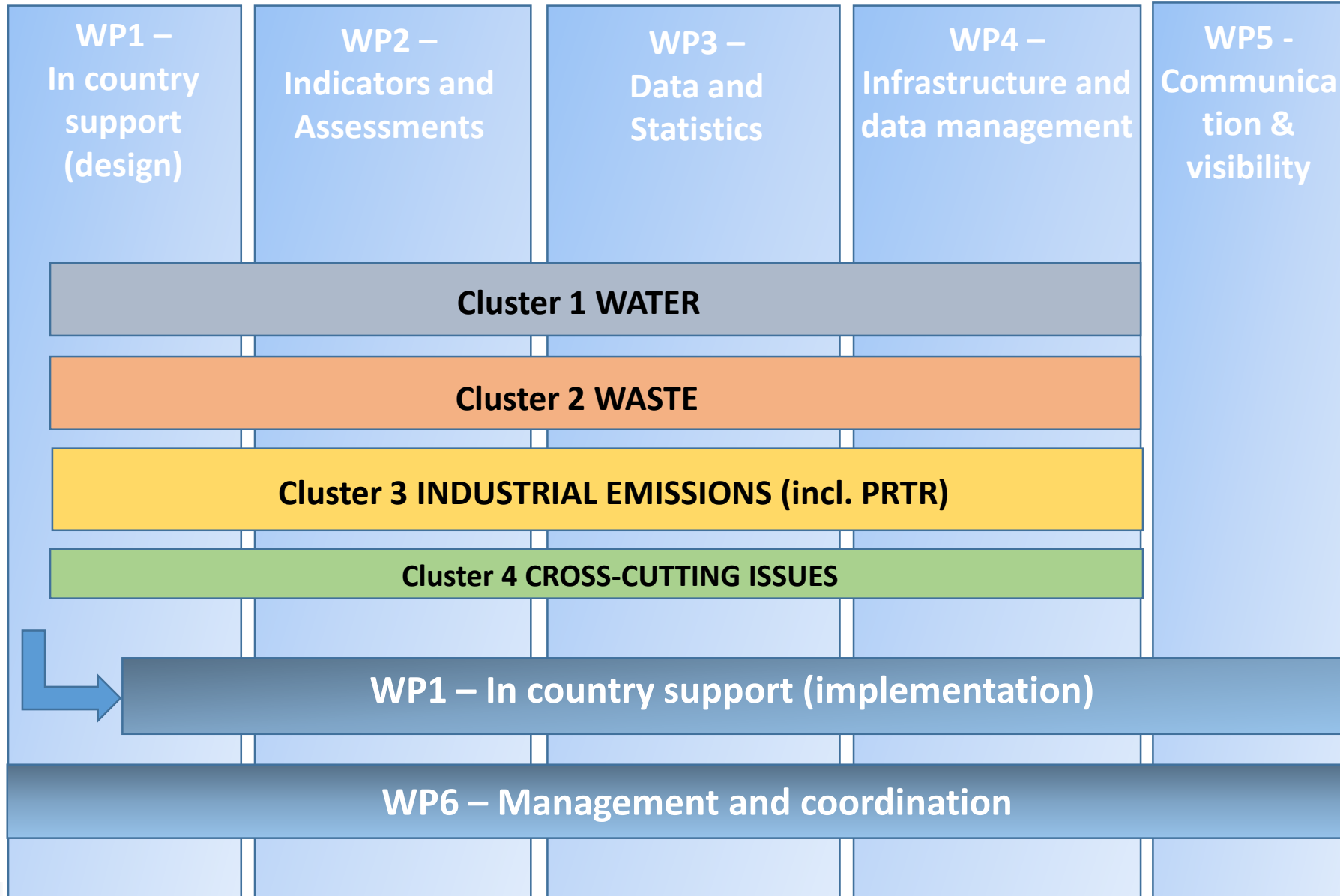


National Implementation Team in the countries
2 NFPs, H2020, MEDPOL, SWIM, inter-institutional representatives, national assistants, civil society representatives



Regular consultation and dialog with the key partners in the countries and EU Delegations

Conceptual framework for the SEIS Support Mechanism - South



Work package 1 – In country support (Design)

Support to national capacities to respond to **regional commitments** in priority areas

- Setting-up national governance NFPs – National team
- Identification of priority areas
- National SEIS vision – supporting National Environment Information System and enabling in-country process for data sharing



Development **national work plan** – specific country needs, expert capacities, legal, financial, administrative constraints

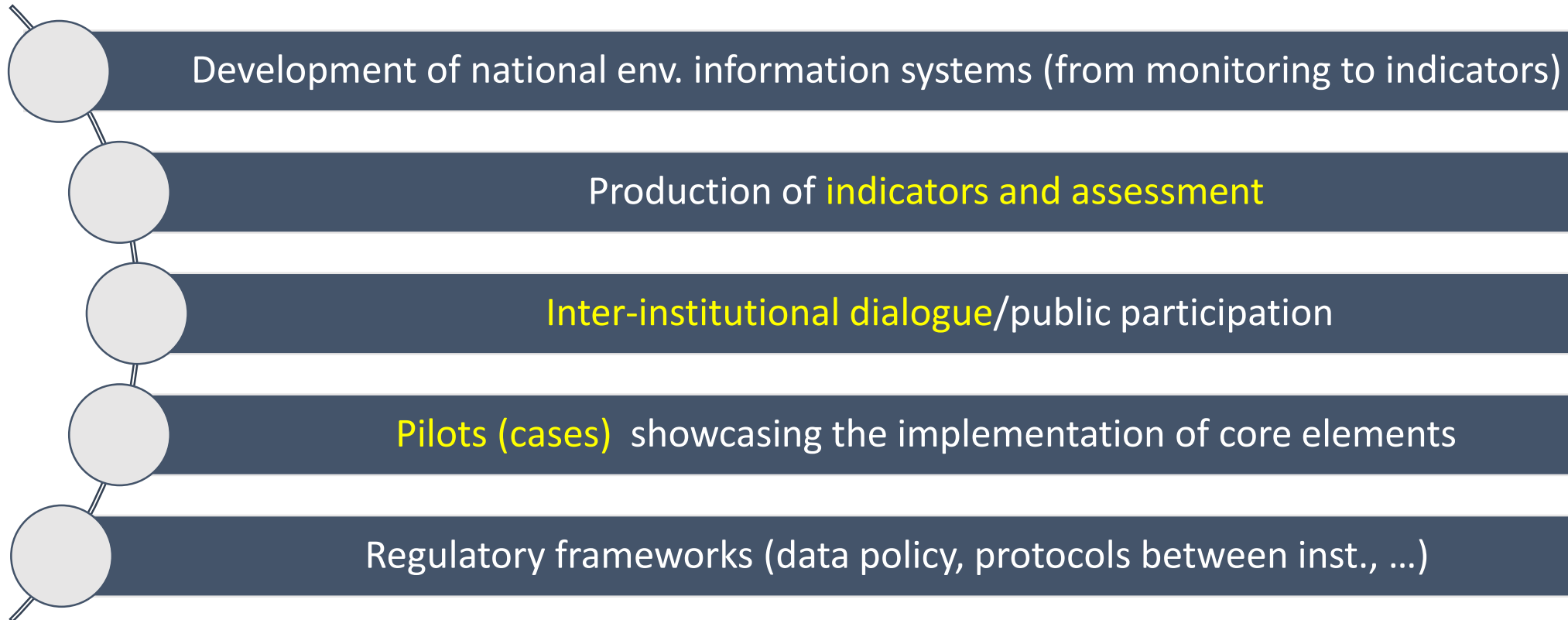
Bilateral agreement to support National Assistant, Technical assistance

Monitoring and follow-up of the implementation of the agreed national work plan



Work package 1 – In country support (Implementation)

Support to national capacities to respond to **regional commitments** in priority areas



Work package 2 – Indicators and assessment

Support increased convergence of reporting process and related assessment work
Deepen, refine, complement H2020 assessment framework
Contribution to the 2nd regional indicator-based H2020 assessment

Development of methodological documents (indicator specification and factsheets)

Support preparation of **country-profiles/country level assessment/outlook**

Build **national capacities** on indicator management and integrated assessment

Continuous monitoring and review of H2020 priorities



Work package 3 – Data and statistics

Enlarge and consolidate production of environment statistics
Support availability of data and statistics, methodology, harmonisation

Development of methodological documents (links with **monitoring programme**)

Capacity building on data production, harmonisation, data quality (**national**, regional workshops)

Provision of technical assistance, guidance, training sessions to **experts in national authorities (links with WP1)**

Exchange of experiences (study tour, regional workshops) with other projects/partners

Work package 4 – Infrastructure and data management

Build infrastructure pillar of SEIS

Develop, maintain, improve efficiency of existing data flows, support creation of new data flows

Foster development and management of IT systems, indicator management and data services

Provision of technical support to ensure better data and information integration (Reportnet, InfoMAP), data policy, data exchange protocols

Expert support for **further development of PRTR**

Regional workshops/webinars on infrastructure (data sharing, QA/QC, data exchange)

Transfer of EU/Eionet examples in setting-up web-application and reporting tools, data services



European Environment Agency



Example of 'State of the Environment ONLINE (SoE online)' – traceability of data

1) STORY / ASSESSMENT

Green economy
Briefing Published 18 Feb 2015 Last modified 05 Mar 2015, 11:54 AM
Topics: Green economy

Europe's resource efficiency has improved in recent years but this has not always translated into improved ecosystem resilience or reduced risks to health and well-being. Creating a green economy will require fundamental changes in the production-consumption systems that meet basic demands, such as for food, mobility, energy and housing. This will depend on better implementation and integration of environmental and economic policies, a broader knowledge base for long-term transitions, and use of finance and fiscal policies to support major investments in innovation and infrastructure.

- Agriculture
- Air pollution
- Biodiversity
- Climate change impacts and adaptation
- Consumption
- Energy
- Forests
- Freshwater quality
- Green economy
- Health and environment
- Hydrological systems and sustainable water management

3) INDICATOR MANAGEMENT SYSTEM

Energy intensity (CSI 028/ENER 017) - Assessment published Nov 2014
Indicator Assessment Created 18 Oct 2014 Published 24 Nov 2014 Last modified 24 Nov 2014, 09:39 PM

This is the latest published version. See older versions.

Topics: Energy

Generic metadata

- Topics: Energy (Primary topic)
- Indicator codes: CSI 028, ENER 017
- Temporal coverage: 1990-2012
- Geographic coverage: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom

CONTENTS

- Key policy question: Has there been an absolute decoupling in Europe between economic growth and energy consumption?
- Data sources
- Justification for indicator selection
- More information about this indicator
- Contacts and ownership
- Related content

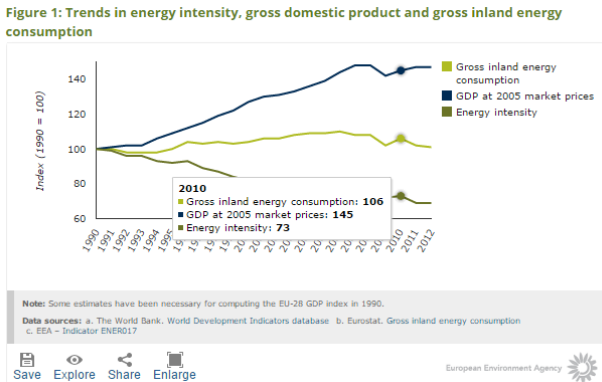
Key policy question: Has there been an absolute decoupling in Europe between economic growth and energy consumption?

Key messages

Between 1990 and 2012, energy intensity (the ratio of gross inland energy consumption and GDP) in the EU28 decreased by 1.7% per year. In 2012, the energy intensity in the EU28 was 31% below the 1990 level.

During this period, the rate of decrease of energy intensity in the EU28 has been rather constant. The period 1990-2005 is characterized by a relatively high economic growth and a more modest growth of gross inland energy consumption. The period 2005-2012 is characterized by a much smaller economic growth and decreasing gross inland energy consumption. The respective rate of decrease of energy intensity is rather similar in

2) INTERACTIVE GRAPHS



4) ACCESS TO DATA

Country	1990	2000	2005	2010	2012	Annual average change 1990-2012	Annual average change 2005-2012	Relative energy intensity in 2012	Per capita energy intensity
EEA	100	83	80	75	71	-1.6	-1.7	100	3.1
EU28	100	82	79	73	69	-1.7	-1.9	100	3.3
Austria	100	89	97	91	86	-0.7	-1.7	92	4
Belgium	100	81	75	73	66	-1.8	-1.7	129	5.1
Bulgaria	100	76	62	49	49	-3.2	-3.3	159	2.5
Croatia	100	83	76	71	69	-1.7	-1.4	94	1.9
Cyprus	100	100	90	85	81	-1	-1.5	96	2.9
Czech Republic	100	78	70	61	58	-2.4	-2.7	155	4.1
Denmark	100	85	79	82	73	-1.4	-1.1	79	3.3
Estonia	100	30	28	30	26	-5.9	-6.6	196	4.6
Finland	100	92	86	89	79	-1.1	-1.2	167	6.3
France	100	93	92	86	82	-0.9	-1.7	111	4
Germany	100	79	77	70	65	-2	-2.4	96	3.9
Greece	100	85	94	101	108	0.4	2	99	2.5
Hungary	100	85	76	72	66	-1.9	-2.1	110	2.4
Iceland	100	68	66	66	61	-3.1	-1.6	73	3
Ireland	100	97	99	94	89	-0.5	-1.5	82	2.7
Latvia	100	70	56	60	52	-2.9	-1.1	108	2.2
Lithuania	100	61	52	38	36	-4.5	-4.9	102	2.4
Luxembourg	100	63	76	63	59	-2.3	-2.4	96	8.5
Malta	100	82	93	81	70	-1.6	-4	70	2
Netherlands	100	83	84	83	79	-1.1	-0.9	115	4.9
Poland	100	59	53	46	42	-3.9	-3.3	117	2.5
Portugal	100	104	108	93	89	-0.6	-2.7	84	2.1
Romania	100	31	25	20	19	-7.2	-3.6	102	1.8
Slovakia	100	73	59	44	40	-4.1	-5.6	125	3.1
Slovenia	100	91	87	78	77	-1.2	-1.6	126	3.4
Spain	100	102	101	87	87	-0.6	-2.1	87	2.7
Sweden	100	84	77	70	66	-1.8	-2	124	5.3
United Kingdom	100	81	71	63	60	-2.3	-2.6	60	8.7
Turkey	100	101	90	86	97	-0.1	1.1	90	1.6
Iceland	100	116	105	109	162	2.2	6.4	493	18.3
Norway	100	86	79	93	81	-0.9	0.4	93	6.1

Indicator Management System (IMS)

Indicator = methodology + story (assessment) + visualisation

The screenshot displays two pages from the Indicator Management System (IMS). The left page is titled "Emissions of ozone precursors" and includes sections for "Older versions", "CONTENTS", and "Assessment versions". The right page is titled "Emissions of ozone precursors (CS1 002) - Assessment published Dec 2011" and includes sections for "Geographic indicators", "CONTENTS", "Key messages", and "Map viewers".

Data sources (with metadata)

This section shows a list of data sources for the indicator. The primary source is "National emissions reported to the Convention on Long-range Transboundary Air Pollution (LRTAP Convention)". Other sources include "Data providers and partners" and "Data visualization (with metadata)".

Data visualization (with metadata)

This section displays various data visualization tools. It includes "Maps" (a map of Europe showing emissions), "Graphs" (a bar chart), "Map viewers" (a map viewer interface), "Eye on Earth" (a globe visualization), and "Daviz" (a data visualization tool).

Thematic Clusters

Water – inland, coastal and marine waters, fresh and **waste water**, quantity & **quality**
Refine H2020 indicators (3,4,5), exploring new (contaminants, non point source)

Waste – municipal and industrial, domestic and hazardous waste
Enhance knowledge base (waste Reference Centre), refine IND 1, 2 explore Marine litter, hazardous waste indicators

Industrial emissions – pollutants covered by BC/H2020, PRTR
Enhance production, data handling and interpretation, production of indicators and assessment, refine IND 6

Cross-cutting – CC adaptation and vulnerability, SCP, SDGs, environment accounting
Ensure convergence of efforts with other thematic projects and initiatives



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

2nd H2020 indicator based assessment

UNEPMAP SoED

2020/2021
Next reporting cycle

EU
Euro-MED
Global

NATIONAL

Inception phase

- Establishment of national work plans

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 Profile
- Endorsement of results

“Evidence-based policy making”

- Country level assessments
- Contribution to H2020 report
- Reporting/availability of indicators
- Policy briefs

2017

2018

2019

Planned assessments in the 2015-2020 period

Activity	2015	2017	2018	2019	2020	2022
State of Europe's Sea (EEA)						
UNEP/MAP EcAp Quality Status Report						
MSFD Art.8 National Assessment (MS)						
EU State of Environment MSFD Art.29.3b (EC in coordination with EEA, RSCs, ICES, GFCM)						
Second regional indicator-based H2020 Assessment (EEA-UNEP/MAP)						
State of Environment and Development Report (UNEP/MAP)						
SoER 2020 (EEA)						
Mediterranean 2050 (Plan Bleu)						

Thank you for your attention!

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European Environment Agency

