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





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

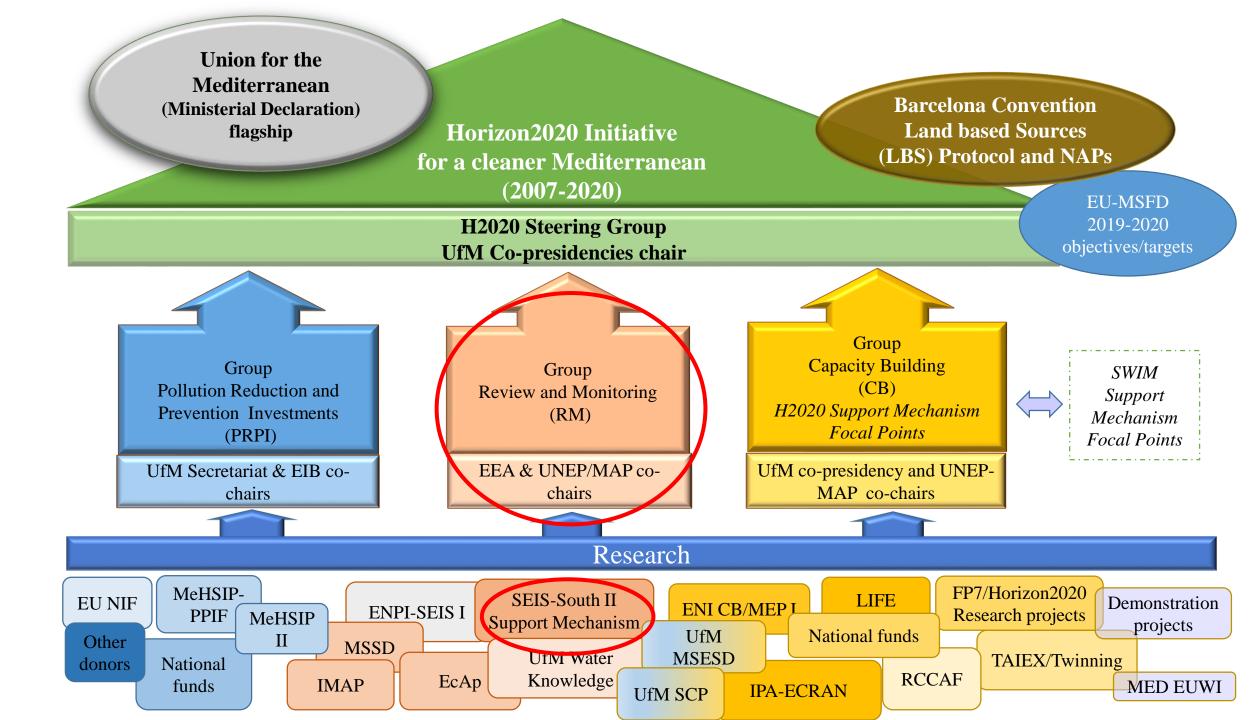
Main commitments related to the second phase of Horizon 2020 Initiative (2015-2020)



- 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)





ENI SEIS II South

EEA member countries

EEA cooperating countries

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

* Collaboration is temporally 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** ٠
- Commitment to sustain the cooperation with the European Neighbourhood partners in the South, drawing on **Eionet support and identified good practice** ٠ 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 ٠



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)



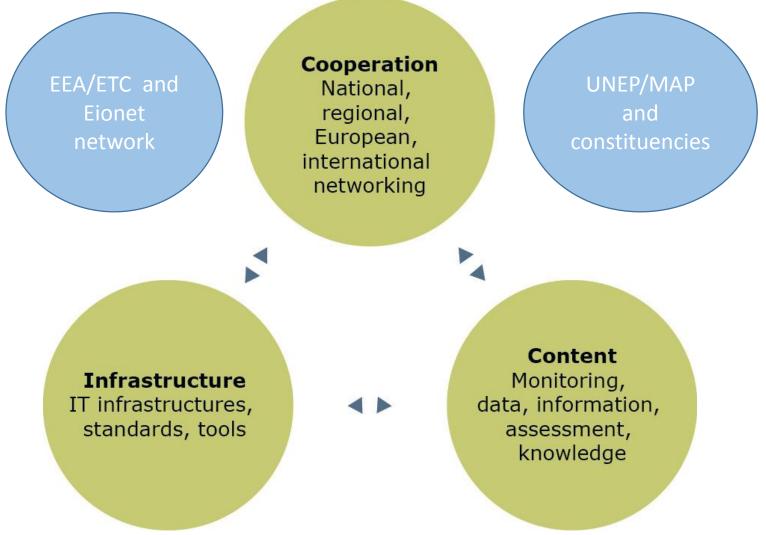
- **Regional assessment** coordinated by EEA/ETC and UNEP/MAP under ENPI-SEIS project (2010-2015)
- Input to the mid-term review of the Horizon 2020 Initiative, presented at the UfM meeting of environment ministers in May 2014, Athens
- Focus on waste water and sanitation, solid municipal
 waste and industrial emissions
 Country-level
- 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





European Environment Agency

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.





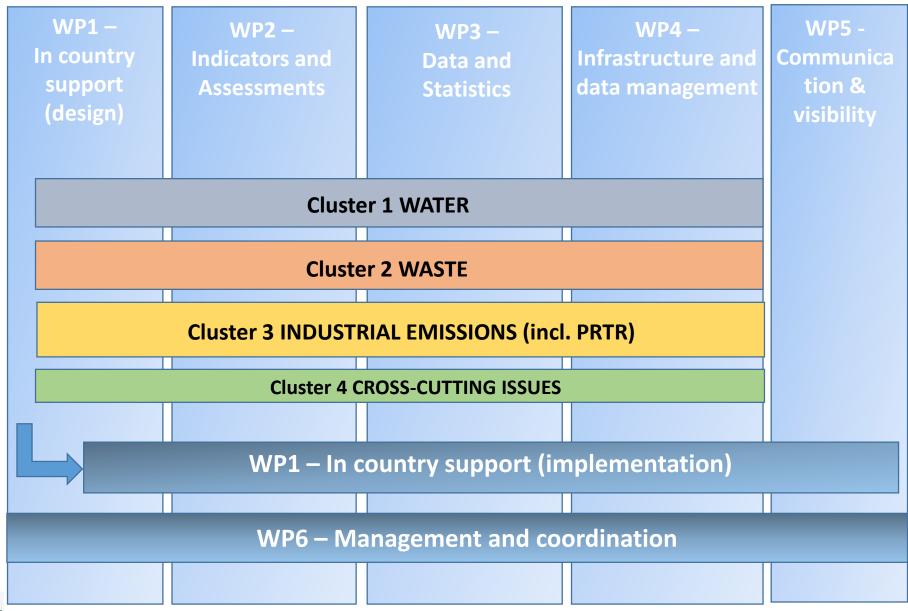
Project governance and steering

Eionet, EIB, JRC, UNSD, UN-ESCWA, EcAp, MED II, SWIM/H2020 Support Mechanism, Union for Mediterranean (UfM Environment and Climate Change) / **Political Level** CEDARE, MedPartnership, SWITCH-MED, H2020 for a cleaner Mediterranean annual meeting convened by EC CLIMA-South, SWEEP-Net Ad hoc input **Strategic Steering Level ENI/IPA EEA internal Project Management Group** Steering Committee 2 annual meetings EEA&UNEP/MAP +EC (NEAR, ENV, ESTAT) Project Team EEA&UNEP/MAP Steer **Regional Project Steering Committee Project Steering Level** Input, training, etc... Pool of expertise EEA&UNEP/MAP +DG NEAR + DG ENV + 9*2 NFPs 1 annual meeting EEA staff, Eionet, framework contractors, ETCs, national assistants, National Implementation Team in the countries **Operational Level** 1 annual meeting with EEA 2 NFPs, H2020, MEDPOL, SWIM, inter-institutional representatives, national assistants, civil society representatives

Partners and other regional projects

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

Development of national env. information systems (from monitoring to indicators)

Production of indicators and assessment

Inter-institutional dialogue/public participation

Pilots (cases) showcasing the implementation of core elements

Regulatory frameworks (data policy, protocols between inst., ...)





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



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



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

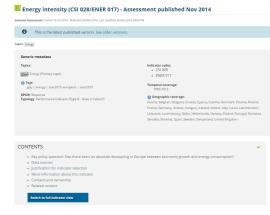
1) STORY / ASSESSMENT



Europe's resource efficiency has improved in recent years but this has not always translated into improved ecosystem resilence or reduced risks to health and wellbeing. Creating a green economy will require fundamental changes in the productor 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.

THE EUROPEAN ENVIRO	
☆ SOER 2015	
Synthesis report	6
Global megatrends	۲
European briefings	ø
Agriculture	
Air pollution	
Biodiversity	
Climate change impacts and adaptation	
Consumption	
Energy	
Forests	
Freshwater quality	
> Green economy	
Health and environment	
Hydrological systems and sustainable wa management	ater

3) INDICATOR MANAGEMENT SYSTEM



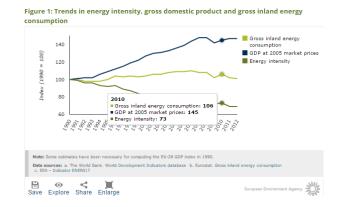
Key policy question: Has there been an absolute decoupling in Europe between economic growth and energy consumption?

Key messages

Between 1990 and 2012, arregring intensity the ratio of grass linked energy consumption and GDP) in the EU28 decreased by 1.7% per year. In 201 the energy intensity in the EU28 as 213 MeV with the 1990 level. During this period, the rate of decrease of energy intensity in the EU28 has been entry encounter. The period 1999 2005 is to transmitted by a more strained of the rate of decrease of energy intensity in the EU28 has been entry encounter. The period 1999 2005 is to transmitted by a more strained of the rate of decrease of energy intensity in the EU28 has been entry encounter. The period 1999 2005 is to the strained by a more strained of the rate of decrease of energy intensity in the EU28 has been entry encounter. The period 1999 2005 is to the strained by a more strained of the strained decrease of energy intensity in the EU28 has been entry encounter. The period 1999 2005 is to the strained by a more strained of the strained decrease of energy intensity in the EU28 has been entry encounter. The period 1999 2005 is to the strained by a more strained of the strained decrease of energy intensity in the EU28 has been encountered of the strained decreases and th

elabore) high economic growth and a more modest growth of gross inland energy consumption. The period 2005-2012 is characterised is enabled a second se

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
EU28	100	82	75	73	69	-1.7	-1.9	100	3
Austria	100	89	97	7 91	86	-0.7	-1.7	92	
Belgium	100	81	75	5 73	66	-1.9	-1.7	129	5
Bulgaria	100	76	62	2 49	49	-3.2	-3.3	159	2
Croatia	100	83	76	3 71	69	-1.7	-1.4	94	1
Cyprus	100	100	90	0 85	81	-1	-1.6	96	2
Czech Republic	100	78	70	61	58	-2.4	-2.7	155	4
Denmark	100					-1.4	-1.1		3
Estonia	100					-5.9	-0.6		4
Finland	100	92	86	8 89		-1.1	-1.2		6
France	100	93	92	2 85	82	-0.9	-1.7	111	
Germany	100	79	77	7 70		-2	-2.4		3
Greece	100					0.4	2		2
Hungary	100					-1.9	-2.1		2
Ireland	100					-3.1	-1.6		
italy	100					-0.5	-1.5		2
Latvia	100	70	56			-2.9	-1.1		2
Lithuania	100					-4.5	-4.9		2
Luxembourg	100					-2.3	-2.4		8
Malta	100					-1.6	-4		
Netherlands	100					-1.1	-0.9		4
Poland	100					-3.9	-3.3		2
Portugal	100					-0.5	-2.7		2
Romania	100					-7.2	-3.6		1
Slovakia	100					-4.1	-5.6		3
Slovenia	100					-1.2	-1.6		3
Spain	100					-0.6	-2.1		2
Sweden	100	84	71	7 70	66	-1.8	-2	124	5
United Kingdom	100					-2.3	-2.5		3
Turkey	100					-0.1	1.1		1
lceland	100					2.2	6.4		18
Norway	100	86	75	9 93	81	-0.9	0.4	93	6

http://www.eea.europa.eu/soer

Indicator Management System (IMS)

Indicator = methodology + story (assessment) + visualisation

		Data sources
Emissions of ozone precursors		
	Assessment published Dec 2011	National emissions reported to the (with metadata)
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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 fo	or a	DEVELOPMENT G ALS		
2020	2014) Eco me of work 2015- rs and assessment Quality Status Report IMAP InfoSystem	 NAP implementation IMAP – set of common indicators MSSD Indicator management, data service 	2 nd H2O2O indicator based assessment UNEPMAP SoED	2020/2021 Next reporting cycle
NATIONAL Inception phase • Establishment of national work plans	2017 Anchoring the work in national setting • National Team (mandate, objectives) • National pilot/case • National support • Links to other initiatives • H2020 Indicators • Assessment framework	2018 Results available • Sharing of experiences among countries • National achievements in regional setting • Data quality • H2020 Country Profile • Endorsement of results	 2019 "Evidence-based policy making" Country level assessments Contribution to H2020 report Reporting/availability of indicators Policy briefs 	EU Euro-MED Global

SUSTAINABLE

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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