





ADRION HarmoNIA Final event &

ADRION Thematic Cluster on Coastal and Marine Environment management activities Supporting MSFD, MSP and Protocols of Barcelona Convention

2018 - 2020







2020 --→ ...



Capitalizing results, tools and outputs to better address EUSAIR challenges







18 June, 2020

ADRION HarmoNIA Final event & ADRION Thematic Cluster on Coastal and Marin-Environment management activities

Supporting MSFD, MSP and Protocols of Barcelona Convention

Part I: ADRION HarmoNIA - From good data to good decisions: knowledge sharing for harmonized policies on contamination issues in the ADRION seas. From monitoring to risk assessment

Time		Part I - HarmoNIA Project
9:30	9:40	Welcome. Cosimo Solidoro, Director of Oceanography Division (OGS) Objective of the event (Part I & II) Marina Lipizer, HarmoNIA coordinator (OGS)
9:40	9:50	Tour de table
9:50	10:05	From good data to good decisions: knowledge sharing for harmonized policies on contamination issues in the ADRION seas. HarmoNIA in summary. Marina Lipizer (OGS)
10:05	10:40	Giordano Giorgi (ISPRA) Harmonization of monitoring of contaminants and Environmental Impact Assessment (EIA) in the ADRION region: offshore challenges. Strategy for Harmonized Monitoring
10:40	10:50	Questions & feedbacks
10:50	11:00	Short break
11:00	11:20	Marina Lipizer (OGS) Assessing the status of our common seas: how to find and "see" data of contaminants for the Adriatic and Ionian Region. HarmoNIA Network
11:20	11:30	Questions & feedbacks
11:30	11:45	Donata Canu (OGS) Assessment of oil spill risk in selected sites of the Adriatic-Ionian Region using models and data
11:45	12:05	Damir Ivankovic (IOF) Evaluation of coastal vulnerability to marine pollution dispersion on HarmoNIA Geoportal Strategy for risk assessment
12:05	12:15	Questions & feedbacks
12:15	12:30	Christina Zeri - HCMR Pollution management in the ADRION area - Stakeholders opinions on gaps and needs: Results from the HarmoNIA questionnaires.
12:30	13:00	Participants feedbacks; conclusion Part I





Part II: ADRION Thematic Cluster on Coastal and Marine Environment management activities

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Time		Part II
14:30	14:45	ADRION Thematic Cluster no.2 Coastal and Marine Environment management activities: what and why
14.45	15.00	Tour de table
15:00	15:15	Short presentation of PORTODIMARE
15:15	15:30	Short presentation of HarmoNIA
15:30	15:45	Short presentation of IMPRECO
15:45	16:00	Results from comparative analysis: ADRION challenges faced by the cluster; data & information made available; tools; need of cooperation/coordination
16:00	16:15	Contribution to EUSAIR
16.15	17:00	Dialogue with EUSAIR stakeholders: what do you expect/need from ADRION cluster on Coastal and Marine Environment management activities From a Mediterranean perspective: the Med Governance Project SHAREMED







Part I: From good data to good decisions: knowledge sharing for harmonized policies on contamination issues in the ADRION seas.

From monitoring to risk assessment

Marina Lipizer & HarmoNIA partnership























Harmonization and Networking for contaminant assessment in the Ionian and Adriatic Seas

The importance of sharing data, information and best practices has never been more evident than today

HarmoNIA has dedicate efforts, at ADRION scale, to:

- share data
- Information
- best practices for monitoring, assessing and managing pollutants in the marine environment



Harmonization and **N**etworking for contaminant assessment in the **I**onian and **A**driatic Seas

Financed by Interreg ADRION Programme

SPECIFIC OBJECTIVE 2.2

ENHANCE THE CAPACITY IN **TRANSNATIONALLY** TACKLING **ENVIRONMENTAL VULNERABILITY**, FRAGMENTATION, AND **SAFEGUARDING ECOSYSTEM** SERVICES IN THE ADRION AREA

Who we are:

Partnership

- National Institute for Oceanography and Applied Geophysics (OGS) - Italy
- ☐ Italian National Institute for Environmental Protection and Research (ISPRA) *Italy*
- Institute of Oceanography and Fisheries (IOF) Croatia
- ☐ Ruder Boskovic Institute (RBI) Croatia
- ☐ Hellenic Centre for Marine Research (HCMR) Greece
- Region of Western Greece (RWG) Greece
- ☐ National Institute of Biology (NIB) Slovenia
- Slovenian Environment Agency (ARSO) Slovenia
- Public institution University of Montenegro -Institute of Marine Biology (UoM-IMB) -Montenegro
- ☐ Agriculture University of Tirana Department of Plant Protection (AUT) *Albania*



Associated Partners

- Ministry of Economic Development Directorate General for the Safety Also Environmental of Mining and Energy Activities National Mining Office for Hydrocarbons and Georesources -Italy
- ☐ Durres Municipality Albania
- Ministry of Sustainable Development and Tourism Montenegro
- ☐ Ministry of Environmental and Nature Protection Croatia



Challenges in the ADRION region:

→ Hot spot of biodiversity - great environmental importance

→ Marine socio- economic activities rely on **Good Ecosystem Status** (but may threaten

GES)





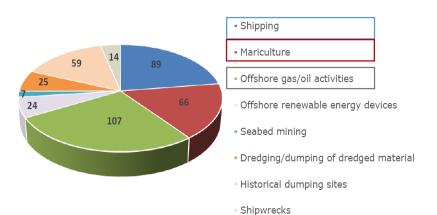




→ Pollution in the ADRION area is a key issue







Report, UNEP/MAP
Regional mercury assessment in sediments

Oil & gas concessions and platforms

From: 2017 Mediterranean Quality Status



Marine pollution. What do we mean?

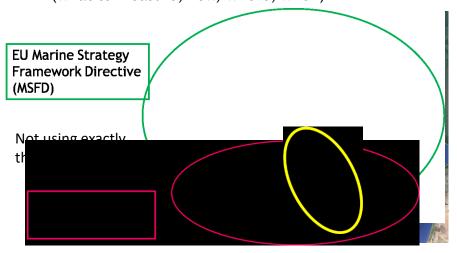
→ Chemical pollutants

(heavy metals, hydrocarbons, pesticides/biocides, PCBs, DDTs, farmaceuticals,... often *invisible* pollution)



Are the Adriatic - Ionian Seas polluted?

→ Legislative instruments indicate **how** to assess pollution (what to measure, how, where, when)



→ Harmonized assessment not so trivial!



HarmoNIA overall objective:



... to address the heterogeneity in methodological approaches (sampling -> analysis -> assessment), to overcome the fragmentation in data availability on contaminants and to propose an approach for contaminant dispersion risk assessment.

Contribution to wider strategies & policies:



"Environmental quality" - Establishment of a common platform of all countries for data collection, research and analysis



- Marine Strategy Framework
- Maritime Spatial Planning
- Protocols of the Barcelona Convention against pollution



- A clean ocean: whereby sources of pollution are identified, quantified and reduced...
- ❖ A safe ocean: whereby human communities are protected from ocean hazards and where the safety of operations at sea and on the coast is ensured
- A transparent and accessible ocean: whereby all nations, stakeholders and citizens have access to ocean data and information, technologies and have the capacities to inform their decisions







HarmoNIA approach:



- ☐ Establish an Adriatic Ionian <u>network</u> of agencies and institutes in charge of the assessment of marine contaminants
- ☐ Define <u>best practices</u> to tackle monitoring, assessment and evaluation of impacts due to contamination
- ☐ Collect and make accessible through a common and already available infrastructure regional <u>datasets</u> of contaminants for the Adriatic Ionian region
- ☐ Propose a <u>regional strategy</u> for a shared and harmonized evaluation of the risk due to contaminant dispersion from different sources of pollution.

Network of institutions



Adopting:



Common data infrastructure

Interreg Data access portal

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HarmoNIA outcomes:

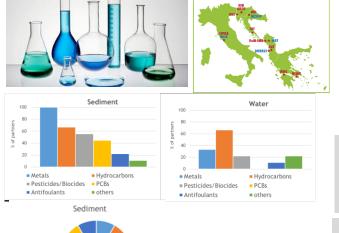
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Sharing best practices to support the harmonized implementation of marine environmental directives in the ADRION region

Considering heterogenity in:



- Transnational analysis of protocols/methodologies under determine specific marine contaminants
- Best practices for harmon sampling/analytical/data (Control procedures
- 3. Best practices towards train of Environmental Impact a protocols for offshore act
- Best practices towards transharmonization of protocols impact of offshore platforms



5. Share decommissioning procedures



HarmoNIA outputs: Data infrastructure - Network

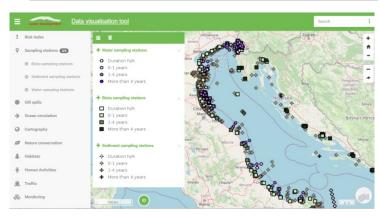


To facilitate access and re-use of marine data

Based on long-consolidated EU initiatives (SeaDataNet, EMODnet):



Provide easy access to metadata:



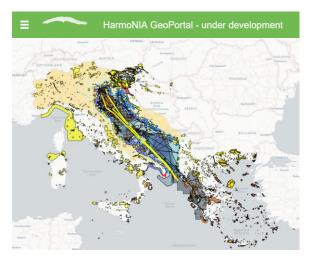
... and to data visualizations:



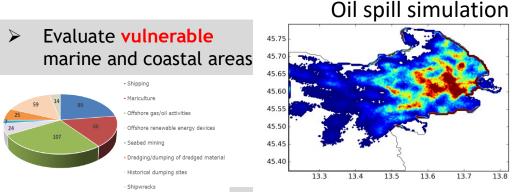


HarmoNIA outputs: Risk assessment - Strategy

- Supporting a coordinated **approach** of pollution management and in case of pollution accidents and defining a **common strategy** to assess contaminant dispersion risk along the coast
- Where the main sources of pollution are
- Collection of relevant information for the ADRION area to define vulnerability index along the coast and to define case study areas
- Organization of information in a GeoPortal
 ongoing process (data-metadata)



Use hydrodynamic modelling to predict contaminant dispersion in typical situations and in case study areas



- Evaluate the probability of the distribution of contaminants
- Propose a methodology for assessing risk index of contaminant dispersion and results in case study areas



HarmoNIA

HarmoNIA outcomes:

Shared analytical protocols



- → Guidelines
- → Strategy <u>for</u> <u>Harmonized</u> <u>monitoring!</u>

Common data infrastructure



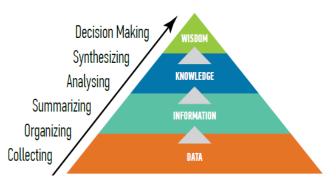
- → Accessible data and information!
- → Network for datainfo sharing

Shared information and assessment procedures



- Knowledge for decision taking
- → Strategy on risk assessment

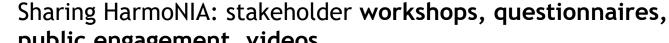
From good monitoring data to good decision making



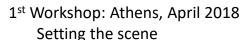


To better fit ADRION needs:





public engagement, videos



2nd Workshop: Split, February 2019 The offshore challenge

EU Researchers' Night 2018 &

2019

3rd Workshop: Patras, October 2019 HarmoNIA first results















- Share knowledge on procedures for monitoring, EIA, decommisioning
- Help identify possible additional/missing information and data
- Collect feedbacks to "tune" activities
- Share needs which can be approached by HarmoNIA
- Raise people awareness: make people think about pollution (not just plastic!), sources of pollution, polluting activities

Videos:







Ongoing:

Series of HarmoNIA videoconferences to share what we have done

nterrea



What we wish for today:

- Share HarmoNIA outputs and tools
- Share information at ADRION scale to face marine pollution: from monitoring to risk assessment
- Increase understanding on needs and gaps for a sustainable management of the marine environment
- Strengthen science policy dialogue





HarmoNIA



Thanks for your attention!

More information available on:

https://harmonia.adrioninterreg.eu/

HarmoNIA video:

https://www.youtube.com/watch?v=FNOwRyXn9Ps

HarmoNIA on facebook:

https://www.facebook.com/HarmoNIA-project-

2034499366872633/?ref=aymt_homepage_panel&eid=ARDaeoqtGoJRY__IHhbG1QgGwTgOEPxFhj9df64METOaHk8KDEwwI2XE6NfrkgEx85fJRsqgq4TnDrCW



