

**Interreg**   
Mediterranean



## SHAREMED

### First Capitalisation Workshop

*Designing the future system of observing systems to assess and address threats to the Mediterranean marine ecosystem  
- State-of-the-art, needs and future direction*

*Webinar: 14-15<sup>th</sup> December, 2020*

**Interreg**   
ADRION ADRIATIC-IONIAN  
European Regional Development Fund - Instrument for Pre-Accession II Fund

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**ADRION Thematic Cluster n. 2**

Thematic Cluster on Coastal and Marine Environment Management



## Thematic Cluster on coastal and marine environment management

Coordinator: **Regione Emilia-Romagna** (PORTODIMARE lead partner)

Project duration: December 2019-January 2021 (for now...)

Funding authority: Interreg ADRION

Geographic extension: Interreg ADRION

Projects funded under 2° call will join/take over the Cluster soon!...



## Main environmental threats or risks addressed by ADRION Thematic Cluster n. 2 projects and their contribution

### HarmoNIA

- Pollution monitoring and assessment in AIR with special focus on offshore activities (harmonized monitoring-assessment-management-intervention)
- Data/information harmonization, availability & sharing
- Harmonized implementation of environmental policies & strategies
- Pollution risk assessment from offshore sources



**transnational network** of institutions adopting a joint data management system for contaminants in the marine environment **regional strategies** to improve harmonization in monitoring & assessment, and to evaluate risk of contaminant dispersion in vulnerable coastal zones from different pollution sources

### PORTODIMARE

- Competition for coastal & maritime space by human activities, climate change effects, natural & manmade hazards
- transnational integrated efficient planning & management of coastal and marine space & uses
- fit for purpose knowledge and tools



**transnational network** (Geoportal) for ICZM & MSP processes relevant data, information, decision support tools  
4 **action plans** to feed maritime & coastal plans

### IMPRECO

- Maintenance & enhancement of natural ecosystems and their functionality to protect, from human & natural pressures, their **capacity to provide services**
- Integration of the **ecosystem services approach** into society's decision-making and local management/development plans
- Strengthening of PAs capacity to cooperate transnationally to address **environmental vulnerability** and **conservation challenges**.



**transnational network** composed by Protected Areas and local stakeholders **common strategy** for the ecosystem management and conservation together with a set of innovative governing tools



## Information/data made available by the Cluster (so far)

### HarmoNIA

- **Monitoring data** (marine contaminants)
- **Spatial & temporal patterns** in contaminant concentrations
- Information to assess **coastal vulnerability**
- Information to assess **pollution hazards**
- Maps of **pollution risk index**
- **Oil spill simulations** with hydrodynamic modelling tools
- Information to support sustainable development

HarmoNIA Data Access Portal

HarmoNIA Visualization Tool

HarmoNIA GeoPortal on Vulnerability of coastal areas

### PORTODIMARE

- **528 layers** organised in **21 categories**
- **7 tools4MSP (modules)**  
 Maritime Use synergy Conflicts - MUC  
 Cumulative Effects Assessment - CEA  
 Aquaculture Zoning Assessment - AZA  
**Particles/conservative contaminants dispersion** -PARTRAC  
**Oil Spill** Coastal Vulnerability  
 Small scale fisheries footprint  
 Medium scale fisheries footprint and cumulative impacts of SSF/MSF
- access to **12 data portals** relevant for MSP & ICZM processes

**PORTODIMARE**

geoPORTal of TOols & Data for sustainable Management of coAstal and maRine Enviroment

### IMPRECO

- Mapping of **Eco-system (ES)** and **Ecosystem Services (ESS)**;
- Mapping of stakeholders (SH) analysed by: benefit perceived, impact produced, conflict among SHs, involvement in ESS management;
- Selection of core cases and analysis of provided ESS, actual use of the ESS, economic values;
- Monitoring data (indicatory species);
- Development and collection of ES management measures.



PORTODIMARE



→ MSPD



IMPRECO



→ Habitats



HarmonIA



→ MSFD

EU Directives addressed by Cluster projects:

## From Gaps & Needs to project ideas for 2021-2017 to overcome bottlenecks

	GAPS	NEEDS	PROJECT IDEAS
<b>K N O W L E D G E</b>	<ul style="list-style-type: none"> <li>completeness of <b>spatial data</b></li> <li>lack of <b>analytical capacity</b></li> <li>lack of <b>interdisciplinary integration</b></li> </ul>	<ul style="list-style-type: none"> <li>cover the AIR with <b>harmonized data</b> (scale, resolution, detail)</li> <li>promote <b>open data</b> and software</li> <li>improve/refine <b>analytical methodologies &amp; tools</b></li> <li>develop <b>harmonized criteria</b> to evaluate vulnerability and hazards</li> <li>enhance a deeper understanding of <b>Land-Sea Interactions</b></li> <li>improve knowledge on <b>ecosystems</b> and their capacity to deliver <b>services</b></li> <li>address <b>socio-economic aspects</b> account for <b>climate change</b> effects</li> </ul>	<ul style="list-style-type: none"> <li>Integrate Ecosystem services and social-ecological systems perspectives in environmental impact assessments, considering relevant spatio-temporal scales and considering the inherent uncertainties and risks</li> <li>Promote the adoption of Nature based Solutions (NbS) to tackle socio-environmental challenges</li> <li>Formally support coordination actions among different initiatives to improve standardized data collection &amp; analysis and ensure coherence in information, maps, tools</li> <li>Deepen the understanding of the Land-Sea Interactions, including climate change effects, to strengthen evidence-based policy making and ensure coherence between terrestrial and marine planning</li> </ul>

	GAPS	NEEDS	PROJECT IDEAS
<b>C O O P E R A T I O N</b>	<ul style="list-style-type: none"> <li>• <b>data management policies</b> (agreements with providers)</li> <li>• <b>cross-border cooperation</b> on common issues and use of portals</li> <li>• low familiarity with <b>spatial analysis &amp; planning approaches</b></li> </ul>	<ul style="list-style-type: none"> <li>• mechanisms for a long-term <b>maintenance &amp; transferability</b> of the portals and of the transnational networks created within the projects</li> <li>• spread the <b>awareness</b> on the portals and tools and provide <b>training</b></li> <li>• <b>exchange</b> with developments and experiences / lessons learnt from other regions</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain and further develop existing geoportals and tools for collaborative data sharing and harmonisation of approaches and methods, towards the establishment of a long-term, structured and formalised (e. g. signature of MoU and Agreements) infrastructure supporting EUSAIR objectives and sustainable blue growth in the area.</li> <li>• Set up a formal harmonized and coordinated monitoring plan for MSFD and Barcelona Convention EcAp requirements at ADRION scale</li> <li>• Develop pilot projects in cross-border context so to involve partners/stakeholders from two neighbouring countries/regions</li> <li>• Exchange experience from AIR with other marine regions</li> <li>• Support linkages with national formal ICZM/MSP processes in the AIR Countries, to promote coherent and coordinated MSP plans across the marine region</li> </ul>

	GAPS	NEEDS	PROJECT IDEAS
<b>C O U N T E R P A R T S</b>	<ul style="list-style-type: none"> <li>• weak <b>science-policy</b> interface</li> <li>• limited interactions with <b>social and economic</b> sectors</li> <li>• limited <b>integration of policy implementations</b> at cross border scale (e.g. EU/non-EU)</li> </ul>	<ul style="list-style-type: none"> <li>• to link better with the <b>ICZM/MSP processes</b> in the Countries</li> <li>• promotion of the <b>project outputs (networks, portals)</b> for the implementation of EU policies such as Green <b>Deal</b>, green infrastructures, macroregional strategies</li> <li>• overcome differences in the implementation of the environmental <b>legal framework</b> (EU and non-EU)</li> </ul>	<ul style="list-style-type: none"> <li>• Consolidate and formally support capitalization and set up of Capitalization «forum» identifying main stakeholders who can mostly benefit from project and cluster outputs and results in order to improve impact on governance/management/planning</li> <li>• Propose regular information-sharing model with the EUSAIR 'political level' (Governing Bord, TSGs) so to provide political backing for the maintenance and use of the portals</li> <li>• Promote projects outputs (eg on mature NbS applications) as tools to implement the New Green Deal strategy</li> </ul>