

OLGA SEDIOLI – Regione Emilia-Romagna
Direzione Generale Cura del Territorio e dell'ambiente





# PORTODIMARE geoPORtal of TOols & Data for sustainable Management of coAstal andmaRine Environment

Project total budget: 1.581.219, 65 EUR

ERDF: 1.382.189,65 EUR IPA II: 199.030,00 EUR

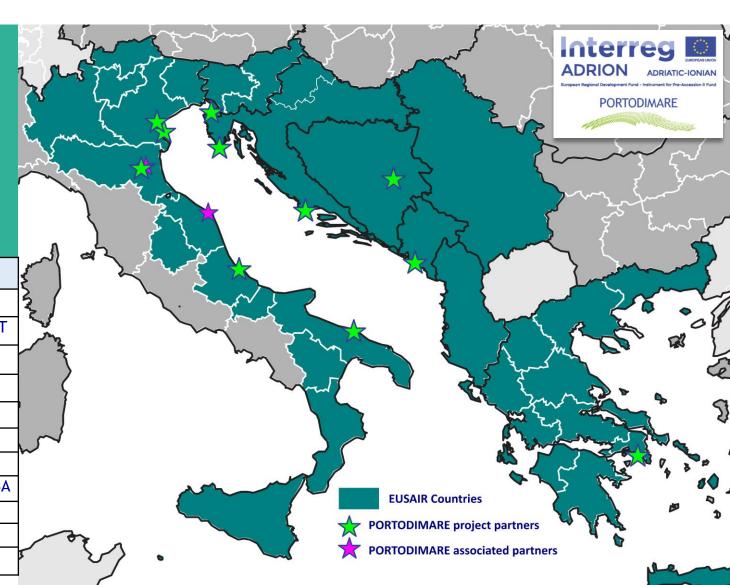
Duration: February 2018 - January 2020

Lead Partner: Emilia-Romagna Region,

DG Cura Territorio e Ambiente

#### **PARTNERSHIP**

- 1 Regione Emilia-Romagna, DG Cura del Territorio e dell'Ambiente IT
- 2 CORILA Consorzio Coordinam. Ricerche Sistema Lagunare di Venezia IT
- 3 Regional development centre Koper SI
- 4 Priority Actions Programme / Regional Activity Centre Split HR
- 5 Hellenic Centre for Marine Research GR
- 6 Institute for Physical Planning Region of Istria- HR
- 7 Public enterprise for coastal zone management of Montenegro ME
- 8 Centre Economic Technological Environmental Development Sarajevo BA
- 9 Regione Puglia Protezione Civile
- 10 Regione Abruzzo
- 11 Regione Veneto





## project ecosystems and trajectories















**Ritmare** 





micore





















## PORTODIMARE

geoPORtal of TOols & Data for sustalnable Management of coAstal and maRine Environment

## Welcome to the Geoportal of Adriatic-Ionian Region

The Geo data portal of Adriatic Ionian Region (GAIR) provides access to numerous datasets related to coastal and marine areas and to several modules for Integrated Coastal Zone Management (ICZM) and Maritime Spatial Planning (MSP) analysis and risk evaluation. It represents a relevant and original improvement supporting transparent and efficient decision-making processes. The Geoportal improve transnational cooperation between AIR Countries on maritime and marine governance and services, i.e. ICZM/MSP, and an important support to the EUSAIR Action Plan implementation, cross-cutting to the 4 Pillars of the Strategy.

The GAIR is the main output of the project **PORTODIMARE**, co-funded by the **Interreg ADRION** Programme.

### Discover the available datasets.





















AQUACULTURE BIOLOGICAL

CHARACTERISTICS

SUBMARINE CABLE & **PIPELINE** ROUTES

COASTAL DEFENCE

COASTAL LAND USES / **ACTIVITIES** 

UNDERWATER CULTURAL HERITAGE

RAW MATERIAL EXTRACTION AREAS

FISHING

MARITIME

BOUNDARIES TRANSPORT AND TRAFFIC FLOWS

MILITARY











PRESSURES

IMPACTS













MODULE OUTPUT OIL AND GAS

PHYSICAL CHARACTERISTICS

NATURE AND SPECIES CONSERVATION SITES & PROTECTED AREAS

RENEWABLE ENERGIES

SPATIAL POLICY

TERRESTRIAL BOUNDARIES

RECREATION

TYPES OF HABITAT





PORTODIMARE main outputs

Oil spill coastal vulnerability

impacts
of
anthropogenic
pressures on
environmental
components

**Cumulative** 

Particles / conservative contaminants dispersion

Analysis of conflicts & synergies among sea uses

PORTODIMARE
Geoportal for data
management &
visualization

Small Scale Fisheries (SSF) footprint

Optimal aquaculture siting and evaluation

Medium Scale
Fisheries (MSF)
footprint,
cumulative
impact of SSF
and MSF



# PORTODIMARE main outputs

**Testing #6** 

Oil spill coastal grounding response (IT)

## Testing #1

Threats to coastal
& marine
biodiversity in
marine NATURA
2000 site HR
3000003 Vrsar
islands
(HR)



## Testing #2

Evaluating sea uses sustainability in Emilia-Romagna (IT)

## 4 Action Plans

for the planning/management processes according to ICZM/MSP principles

Testing #4

Abruzzo coastal evolution mapping (IT)

**Testing #3** 

spatial conflicts
among human
activities and with
conservation
priority areas in
Western Greek
waters
(GR)

Testing #5

Spatial conflicts among existing uses and legal regimes along coastal strip (SI, BA)



## PORTODIMARE for the EUSAIR



## Blue technologies:

the GAIR as knowledge basis for RDI and clusters

#### Fisheries & aquaculture:

integrating/developing **tools** for sustainable fisheries and optimal aquaculture siting (GAIR)

## Maritime & marine governance / services:

supporting implementation of MSP by promoting data availability and analytical capacity according to open data principle (GAIR)



### The marine environment:

increasing **marine knowledge** as a sound basis for actions related to MSP, ICZM and MSFD through the GAIR, and by providing tools to support decision making & planning processes.

### Terrestrial habitats & ecosystems:

promoting the ecosystem-based approach & the networking of protected areas (green/blue corridors)



## Maritime transport, intermodal connections & Energy networks:

data and knowledge sharing favorizes the proper development & management of these human activities in a **sustainable** and multi-use context, avoiding conflicts and maximizing synergies

Support to elaboration of contingency plans in response to pollution & risks



#### **Diversified Tourism Offer:**

the Geoportal provides data & tools for evidence-based **solutions** 

## <u>Sustainable & Responsible Tourism</u>:

by enhancing the **networking** of protected areas and the sustainability of human activities, MSP&ICZM create the basis for a healthier & attractive Region











TSG1 and TSG3 are working together on a joint project on MSP based on the capitalization of the GAIR...



## Thank you for your attention!