ADRIPLAN

DEVELOPING A MARITIME SPATIAL PLAN FOR THE ADRIATIC-IONIAN REGION

ADRIPLAN

European Commission

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ADRIPLAN

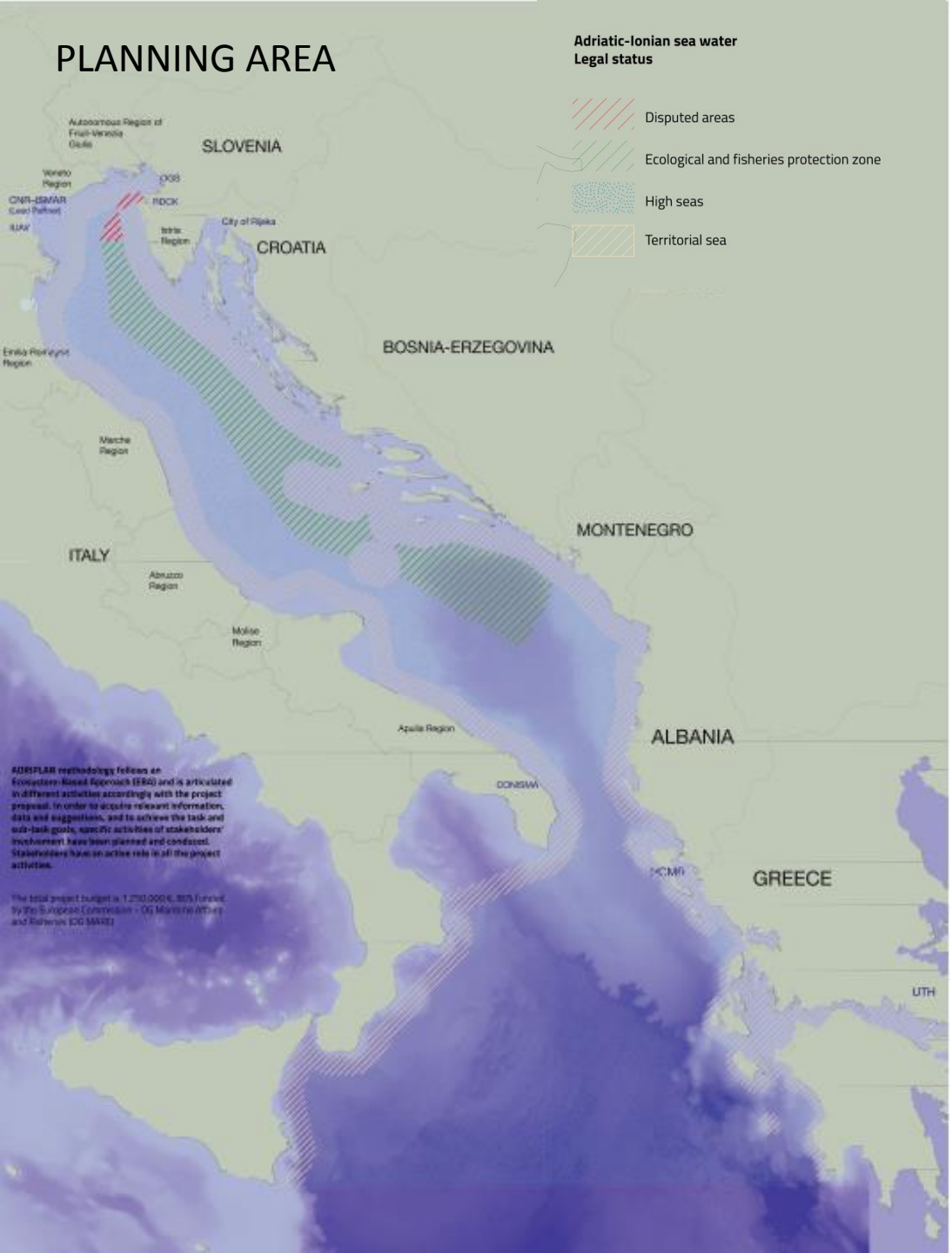
ADRIPLAN PROJECT

ADRIPLAN *has the objective to promote transboundary Maritime Spatial Planning in the Adriatic – Ionian Region. (December 2013 to July 2015)*

Budget: 1.250.000 €, 80% funded by the EC – DG MARE

The ADRIPLAN project develops **proposals and recommendations for an operational cross-border MSP process** which:

- allows the **development of different maritime activities,** preventing conflicts for space allocations, while ensuring a good status of the marine ecosystems
- provides **greater confidence for investment in infrastructures and in other economic activities**, responding to the peculiarities of each area
- **fully involves relevant regional and governmental bodies and other relevant stakeholders**, also promoting an effective cross-border cooperation
- enhances **coherence between terrestrial and Maritime Spatial Planning**, also in relation with good ICZM practices

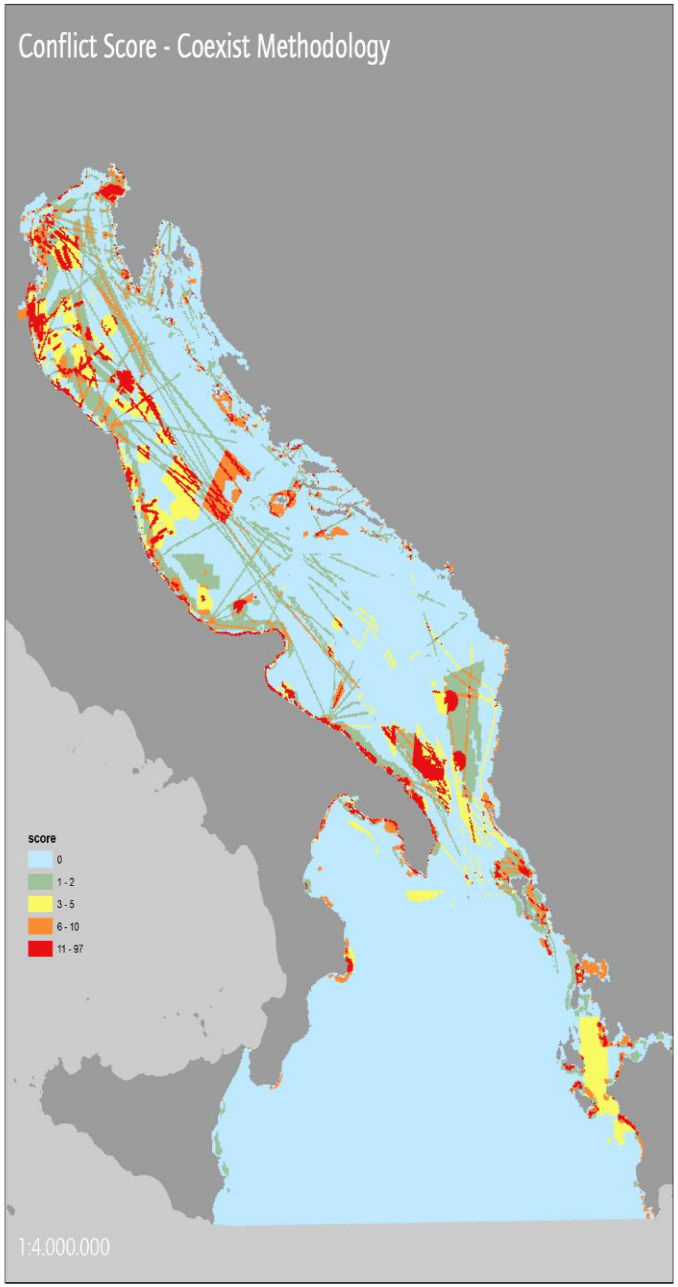


EU Strategy for Adriatic and Ionian Region EUSAIR and its Action Plan

Promote sustainable economic and social prosperity of the Region by improving its attractiveness, competitiveness and connectivity, while preserving the environment and ensuring healthy marine and coastal ecosystems.

4 main pillars

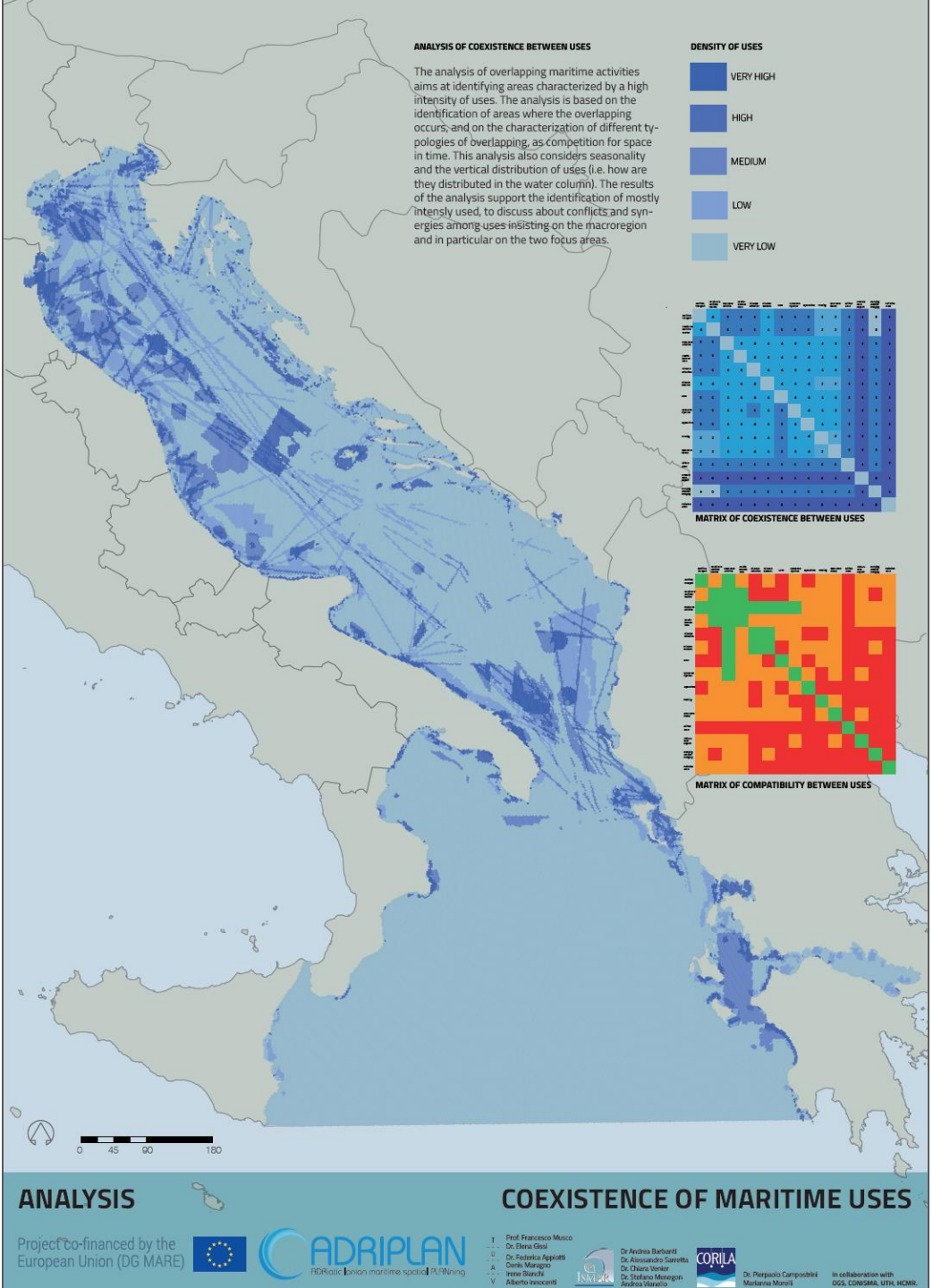
1. Blue Growth
2. Connecting the Region
3. Marine Environment
4. Sustainable tourism



Analysis of Space Coexistence between Uses

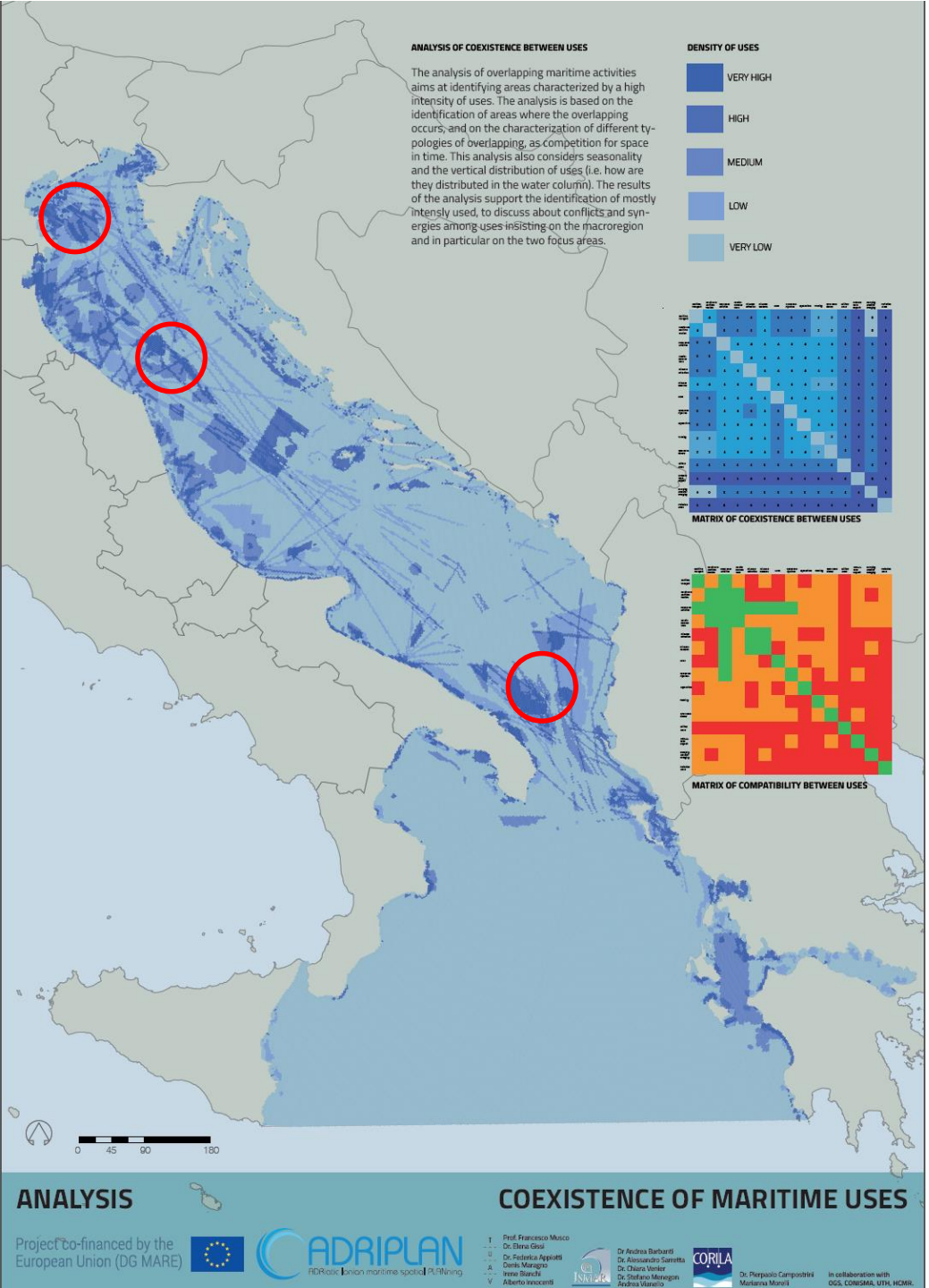
- Differences are visible between coastal and marine areas (especially high waters);
- Transboudary areas with potential conflicts in terms of space → NA, Puglia Region- Albania-Greece
- Results obtained are strictly dependent to data collected
- Trawling is the use that in percentage contributes more to the final score

	Maritime Transport	Protected Areas	Naval base activities	Coastal Defence Wor	Oil & Gas extraction	Oil & Gas exploitation	LNGs	Coastal and Maritime	Cables and Pipelines	Aquaculture	Trawling	Small scale fishery	Offshore sand deposit	Dumping areas for dr
Maritime Transport		6	4	4	4	4	4	4	4	4	4	4	4	0
Protected Areas	6		6	6	6	6	6	6	6	4	6	6	6	6
Naval base activities	4	6		4	4	4	4	4	4	4	4	4	4	4
Coastal Defence Work	4	6	4		4	2	4	4	4	4	2	2	4	4
Oil & Gas extraction	4	6	4	4		4	4	4	4	4	4	4	4	4
Oil & Gas exploitation	4	6	4	2	4		4	4	2	4	2	2	2	2
LNGs	4	6	4	4	4	4		4	4	4	4	4	4	4
Coastal and Maritime Tourism	4	6	4	4	4	4	4		4	4	4	4	4	0
Cables and Pipelines	4	6	4	4	4	2	4	4		4	4	4	4	4
Aquaculture	4	4	4	4	4	4	4	4	4		4	4	4	4
Trawling	4	6	4	2	4	2	4	4	4	4		2	2	2
Small scale fishery	4	6	4	2	4	2	4	4	4	4	2		2	2
Offshore sand deposits	4	6	4	4	4	2	4	4	4	4	2	2		6
Dumping areas for dredging	0	6	4	4	4	2	4	0	4	4	2	2	6	



ANALYSIS OF COEXISTENCE AMONG USES

The analysis of overlapping maritime activities aims at identifying ***areas characterized by a high intensity of uses***. The analysis is based on the identification of areas where the overlapping occurs, and on the characterization of different typologies of overlapping, as ***competition for space in time.*** This analysis also considers ***seasonality and the vertical distribution of uses*** (i.e. how are they distributed in the water column). The results of the analysis support the identification of mostly intensly used, ***to discuss about conflicts and synergies*** among uses insisting on the macroregion and in particular on the two focus areas.



ANALYSIS OF COEXISTENCE AMONG USES

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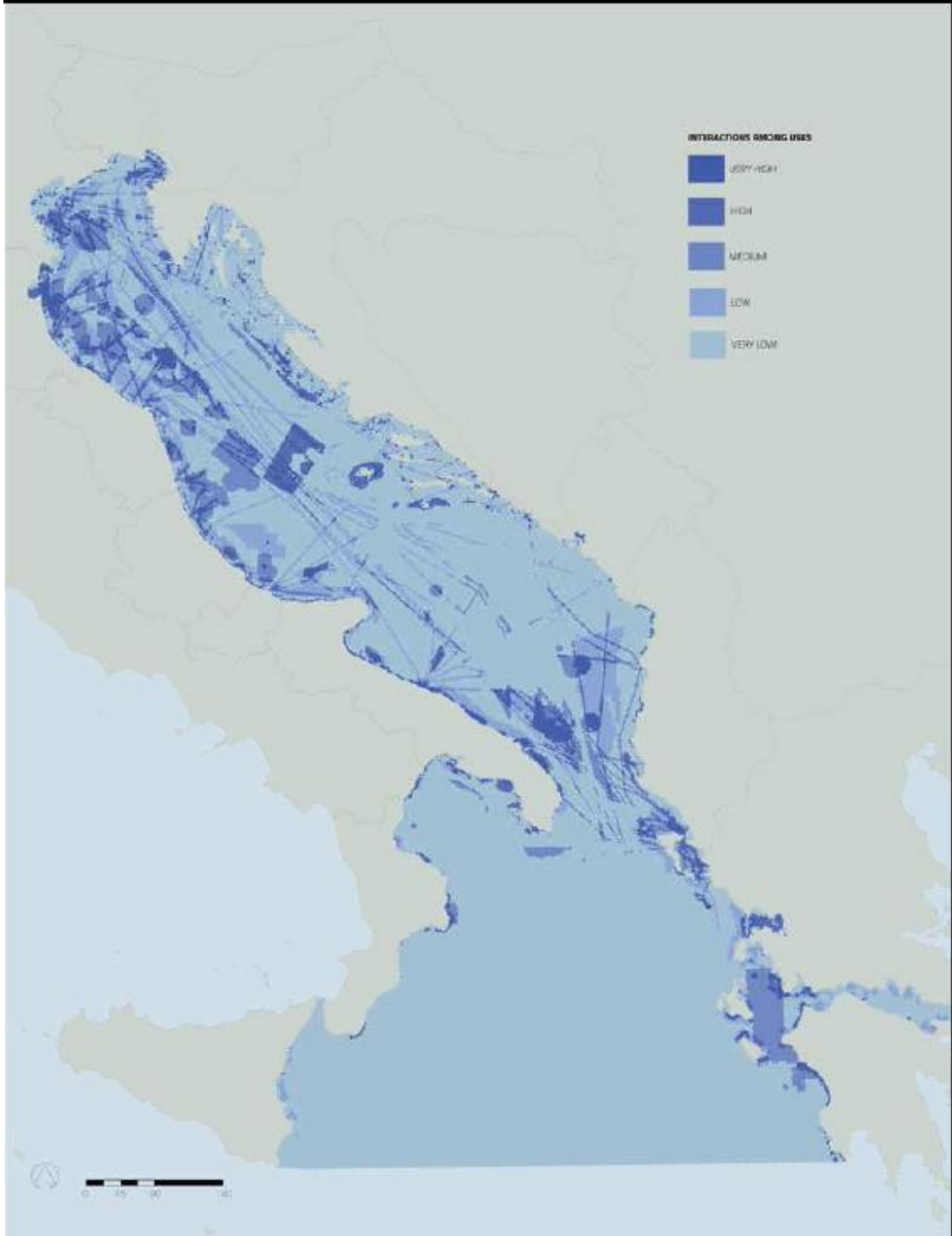
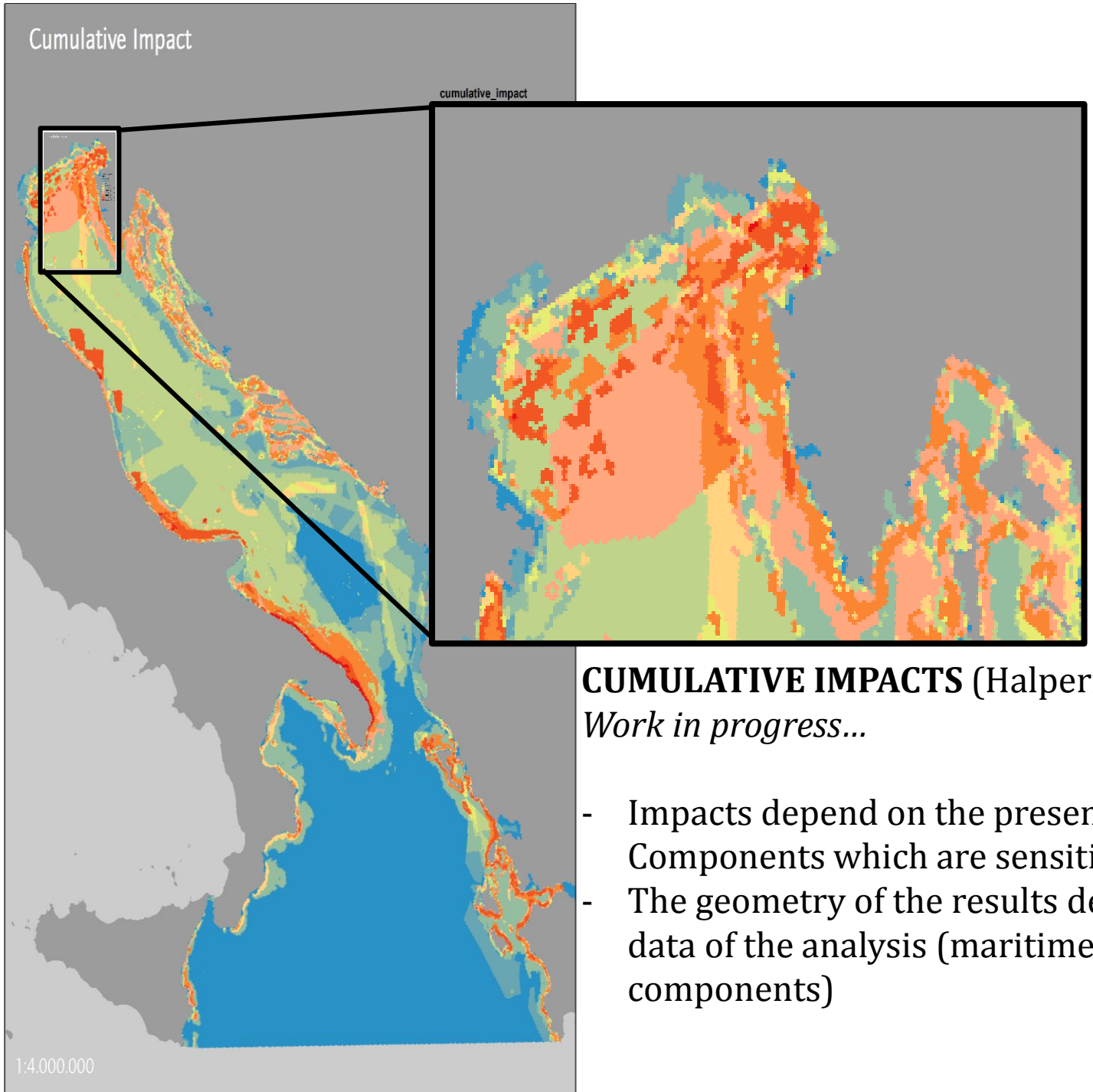
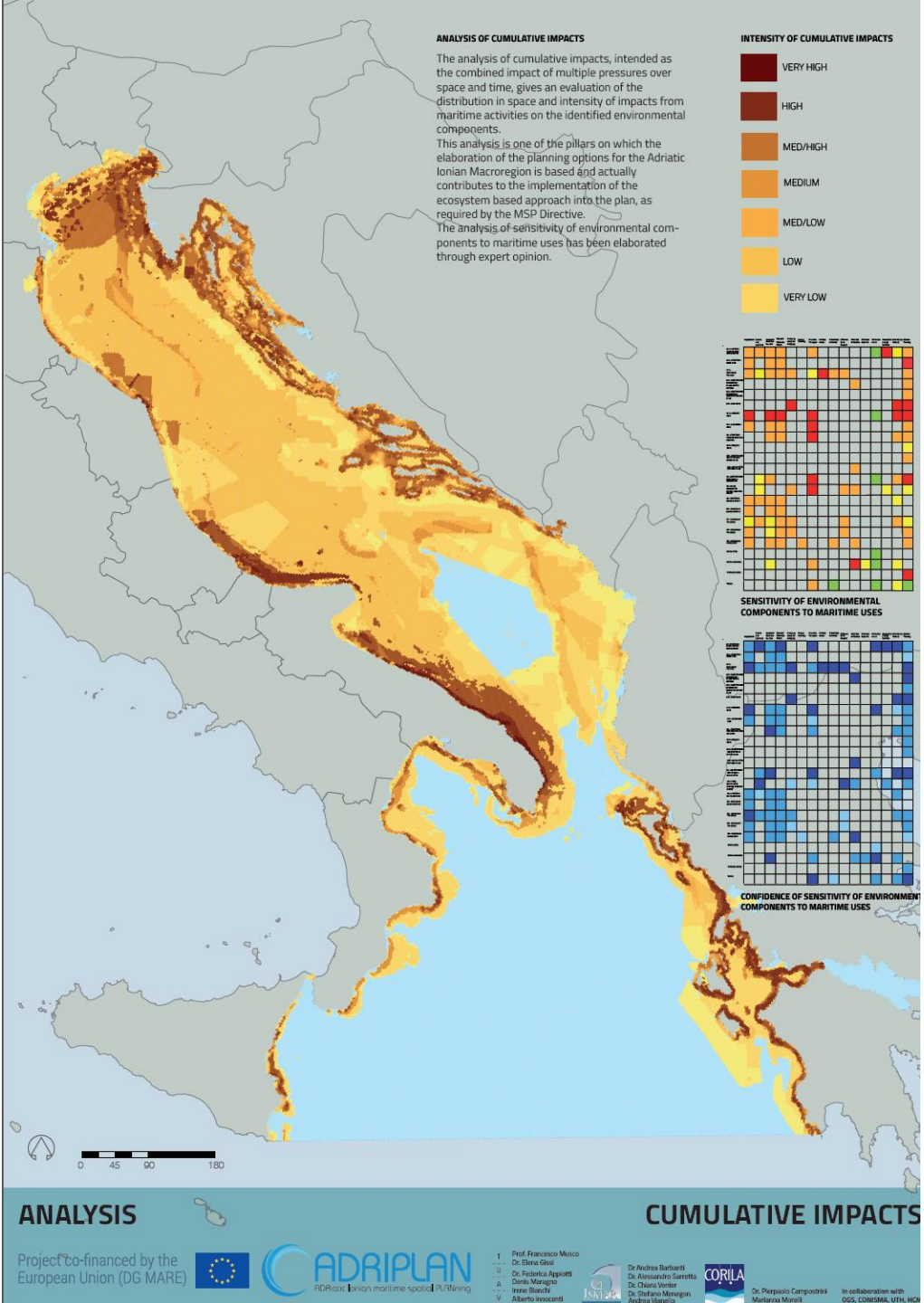
Map of the results of coexistence analysis





CUMULATIVE IMPACTS (Halpern et al., 2007)
Work in progress…

- Impacts depend on the presence of Environmental Components which are sensitive to Maritime Uses
- The geometry of the results depends on the input data of the analysis (maritime uses, environmental components)



ANALYSIS OF CUMULATIVE IMPACTS

The analysis of cumulative impacts, intended as the combined impact of multiple pressures over space and time, gives an evaluation of the distribution in space and intensity of ***impacts from maritime activities on the identified environmental components***.
This analysis is one of the pillars on which the elaboration of the planning options for the Adriatic Ionian Macroregion is based and actually contributes to the implementation of the ***ecosystem based approach*** into the plan, as required by the MSP Directive.
The analysis of sensitivity of environmental components to maritime uses has been elaborated through ***expert opinion***.

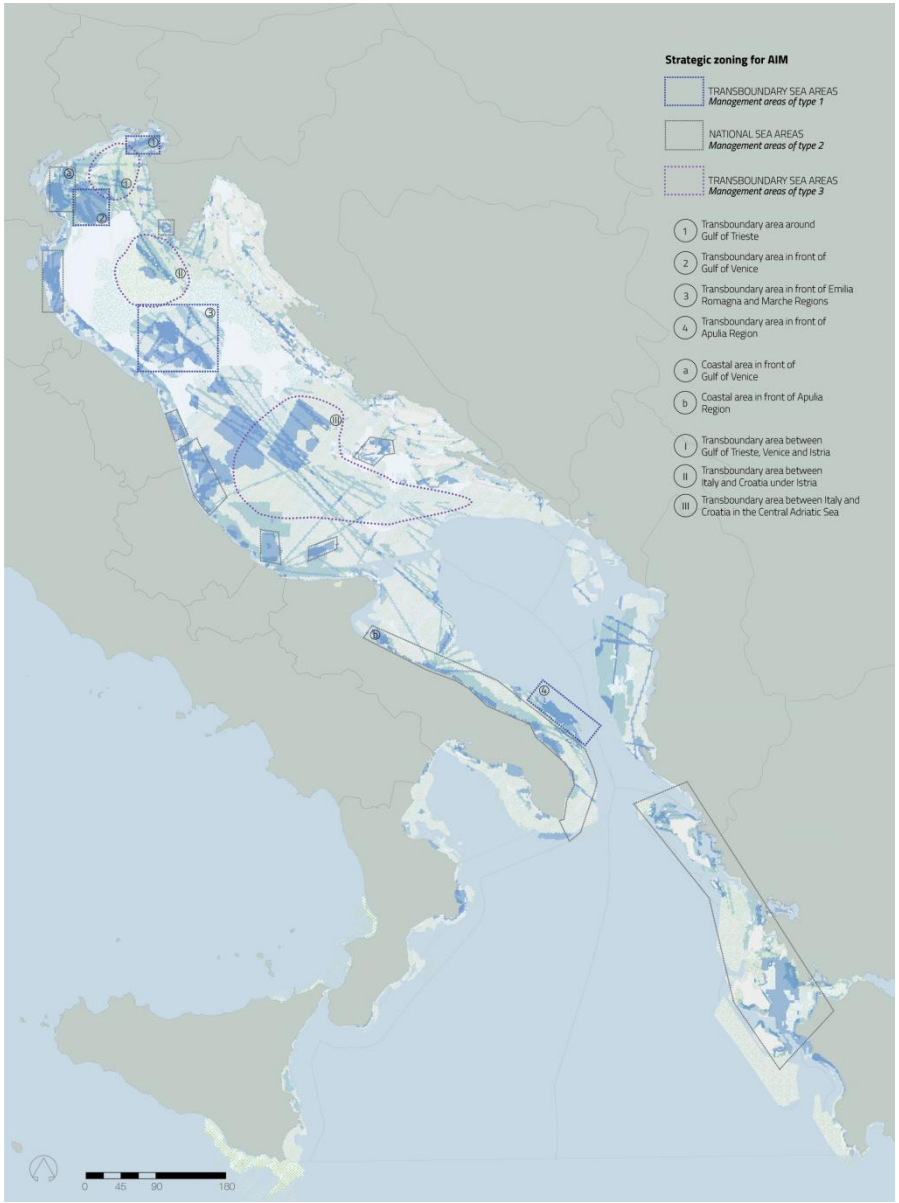
PLANNING

In ADRIPLAN, the planning proposal has been divided in two parts:

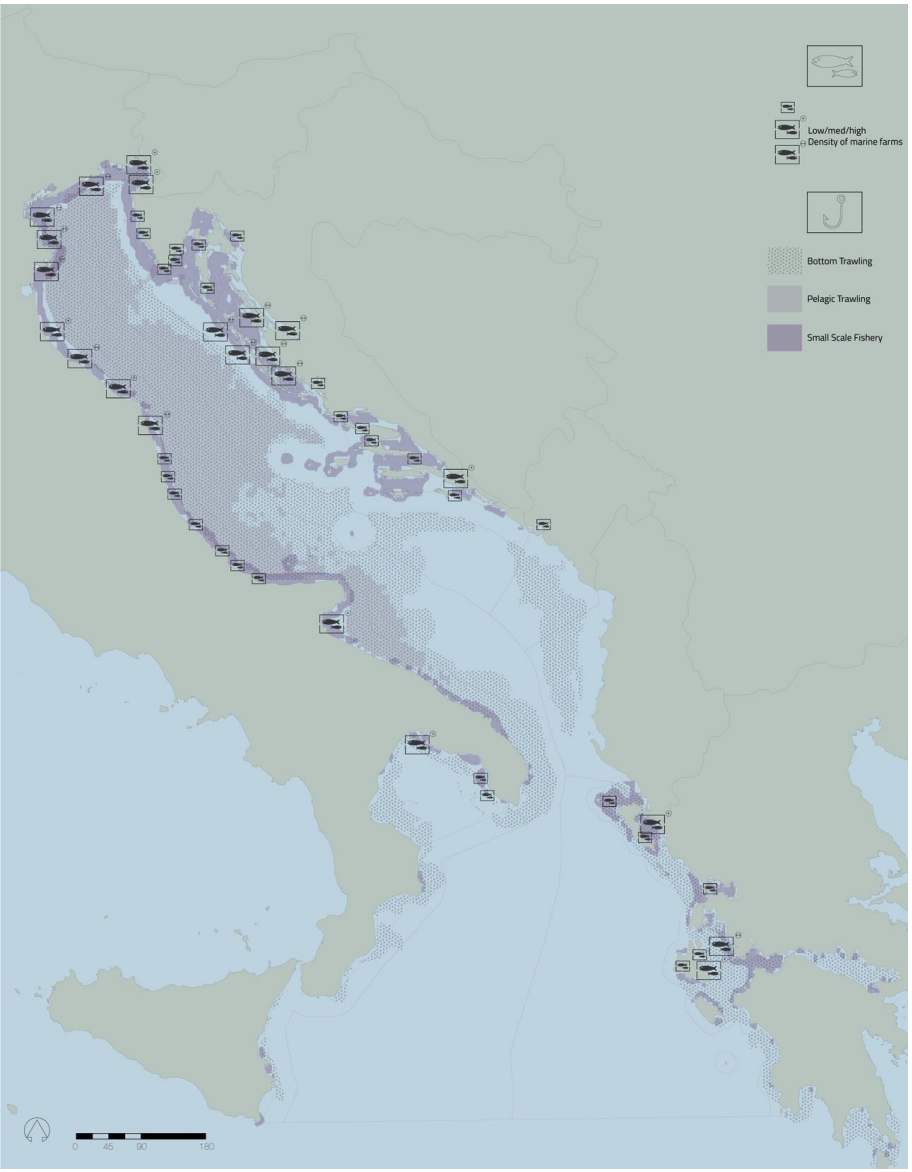
1 - a Strategic Plan for the Adriatic-Ionian Macroregion

- *Transboundary sea areas with multiple maritime uses in sensitive marine environments*
- *National sea areas with multiple maritime uses in sensitive marine environments*
- *Transboundary sea areas with great importance for the delivery of ecosystem services*

2 - a Portfolio of Actions for the Focus Areas

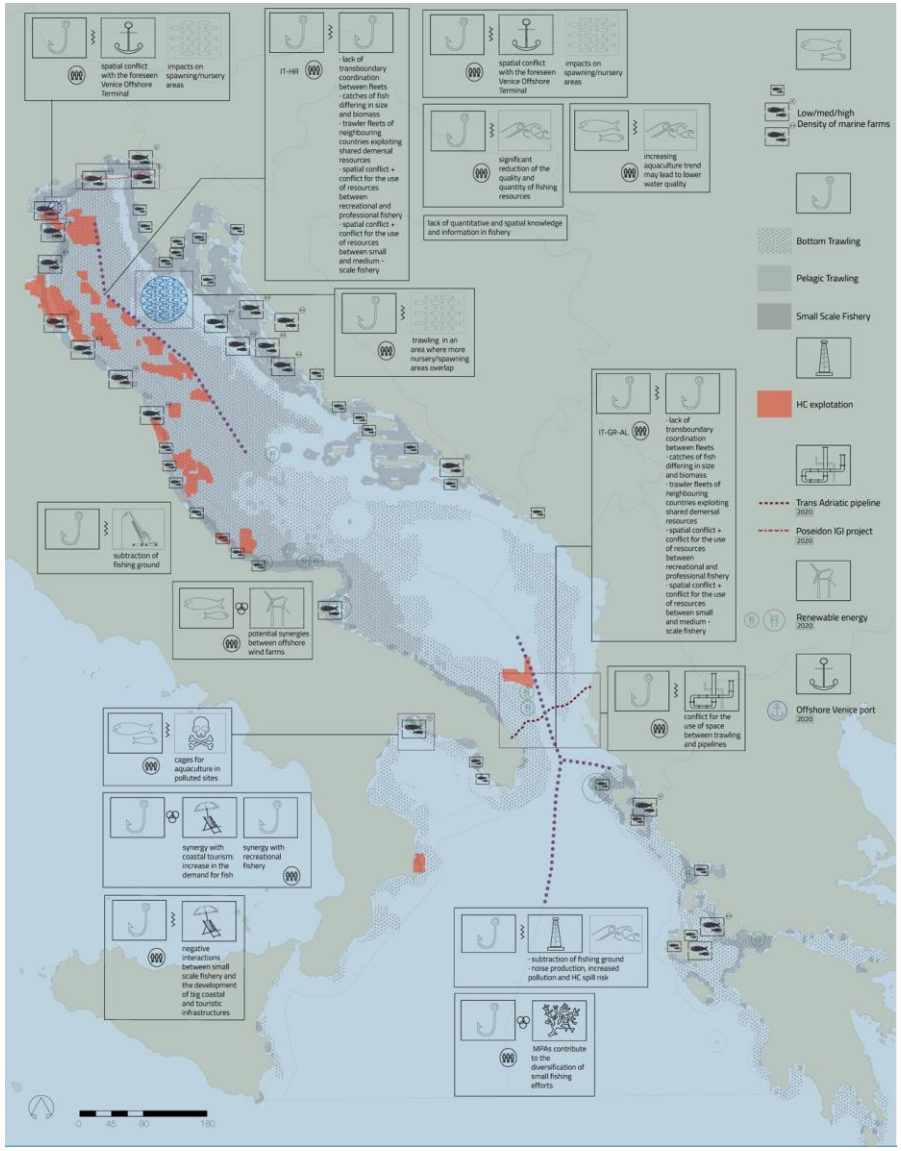


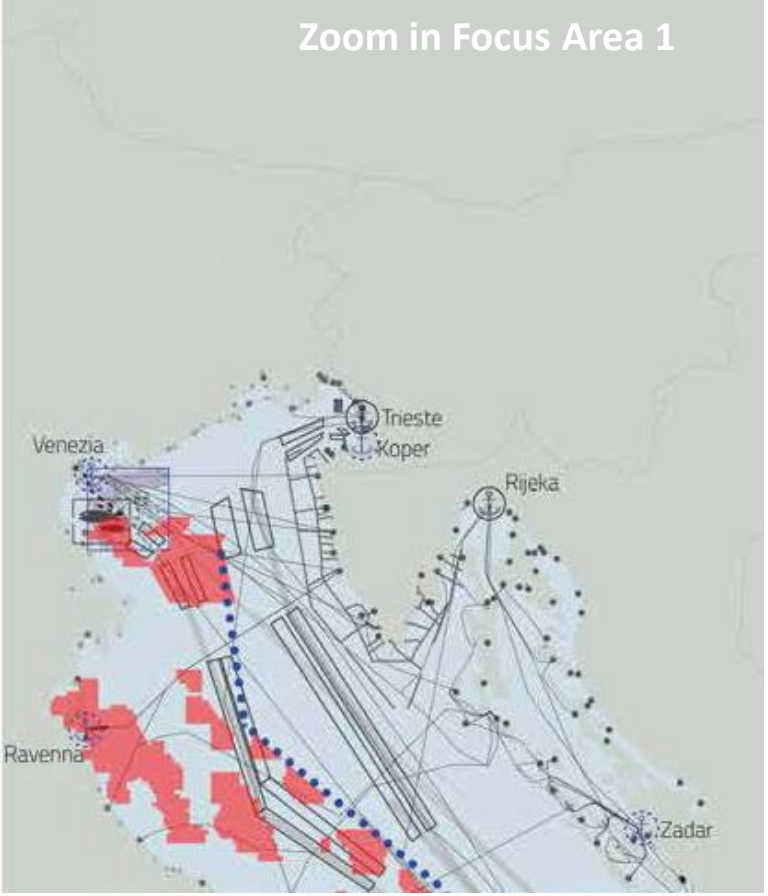
Fishery & Aquaculture – From analysis to interpretation

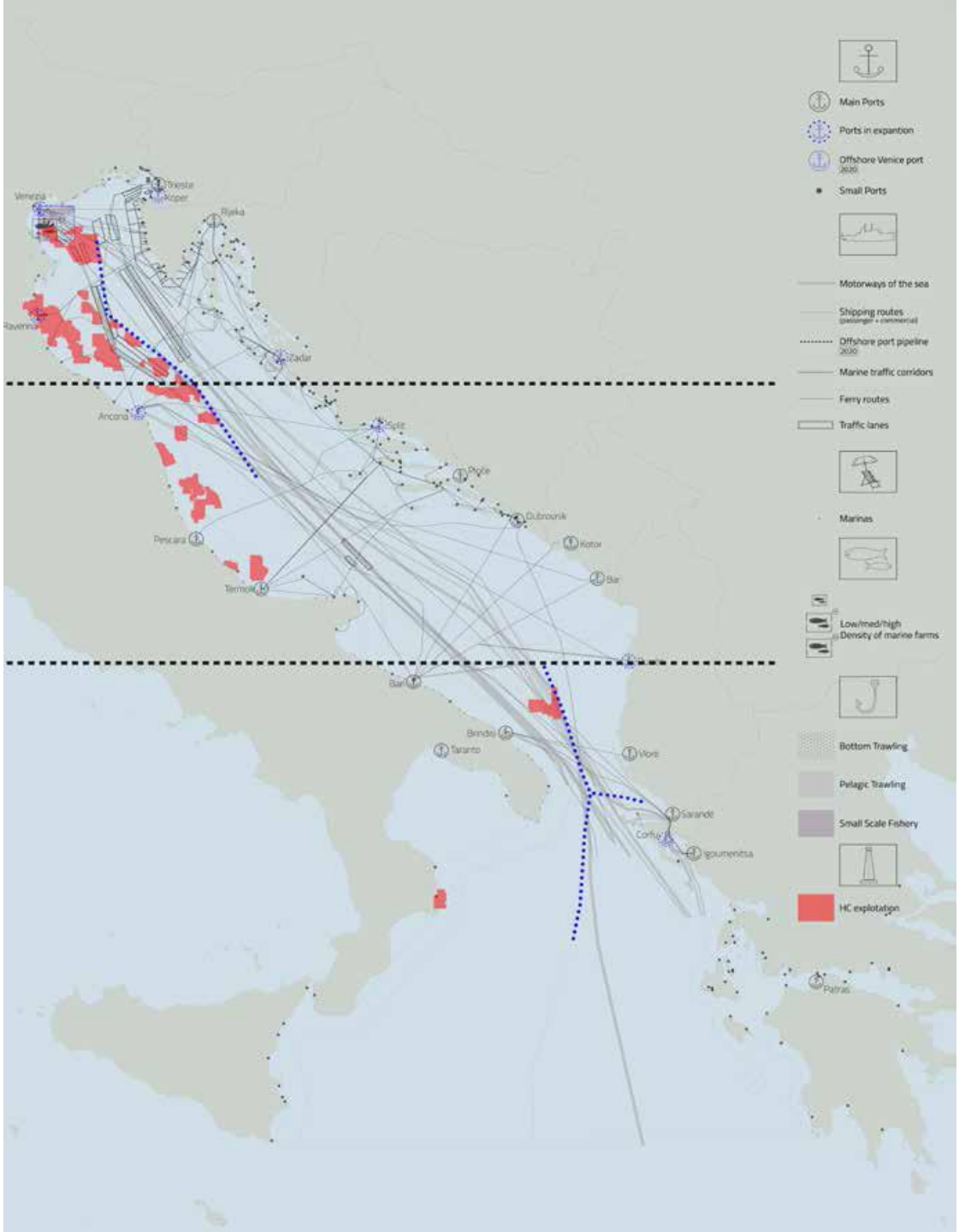


ANALYSIS

INTERPRETATION



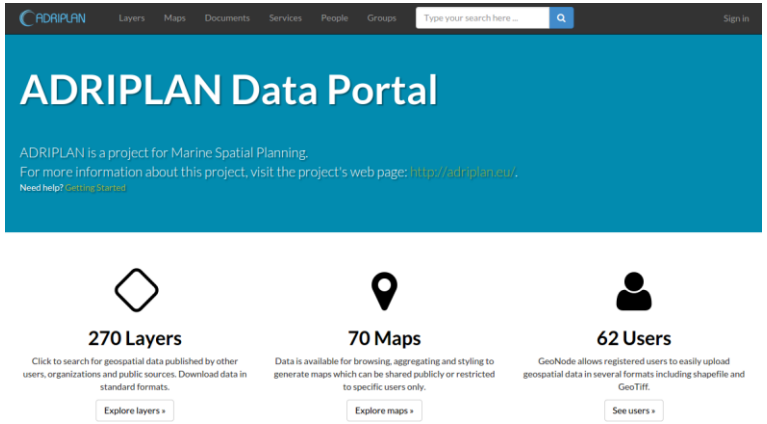


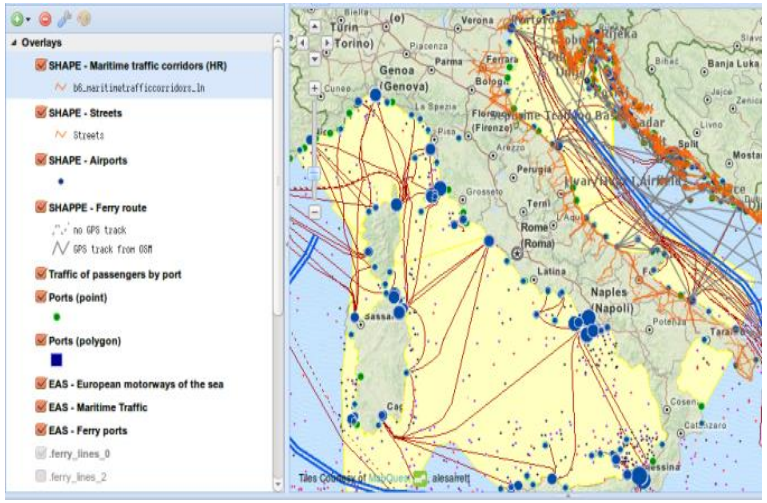


Map of synergies and conflicts – MARITIME TRANSPORT AND TOURISM

ADRIPLAN DATA PORTAL
data.adriplan.eu

More than 200 spatial layers and around 70 aggregated maps, plus several layers provided as services by other projects (e.g. SHAPE), focusing on maritime uses and environmental components related to the Adriatic-Ionian Region.





http://data.adriplan.eu