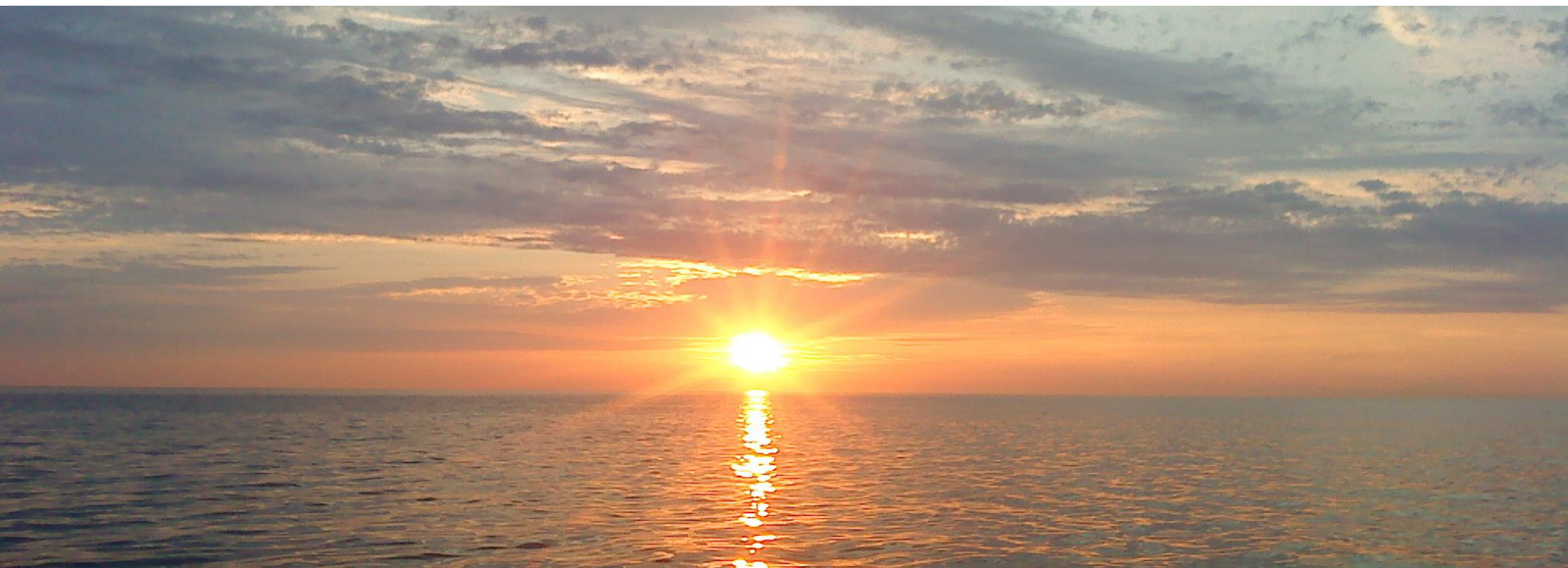


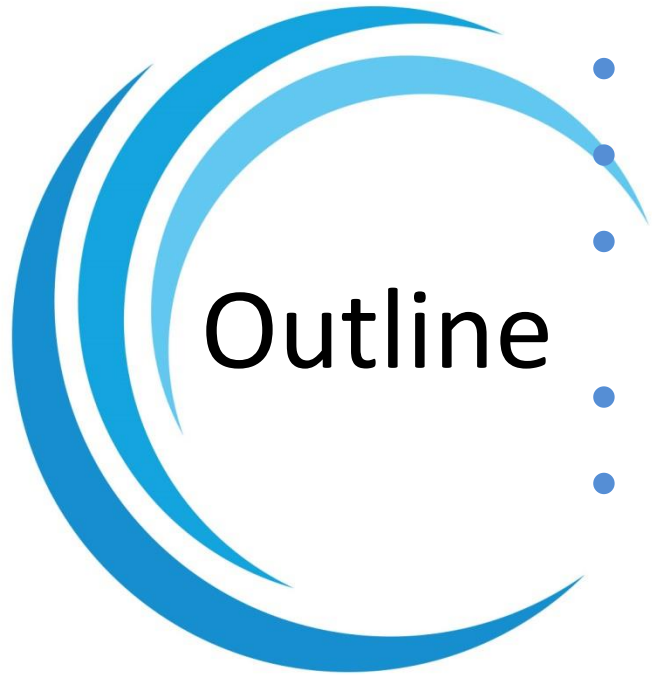
ADRIPLAN Project

Prof. Francesco Musco, IUAV University of Venice

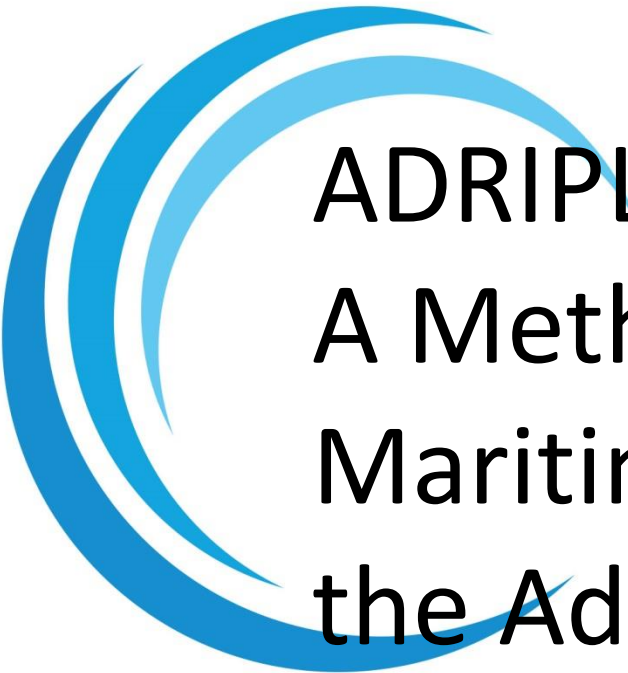
[msp@iuav.it](mailto:mso@iuav.it)

Riga, Baltic MSP Forum, 17/18 June 2014





- **The ADRIPLAN Project (DG MARE)**
- Methodological insights
- Planning Design & interaction with planning systems
- Expectations
- Interactions with Erasmus Mundus Master Course on Maritime Spatial Planning (EACEA)



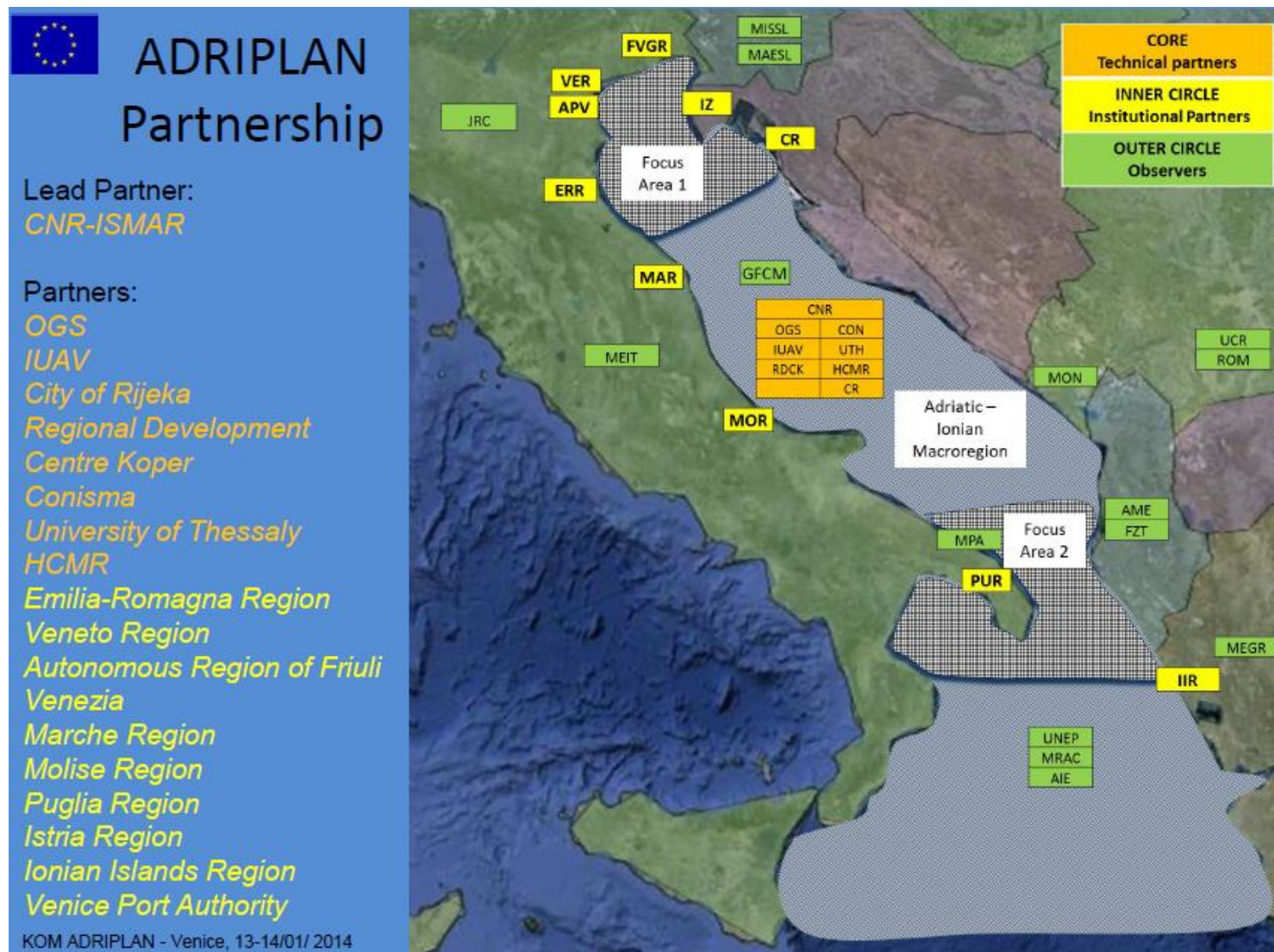
ADRIPLAN Project: A Methodological approach to Maritime Spatial Planning in the Adriatic-Ionian Macroregion

ADRIPLAN – Project

ADRIatic Ionian maritime spatial PLANning

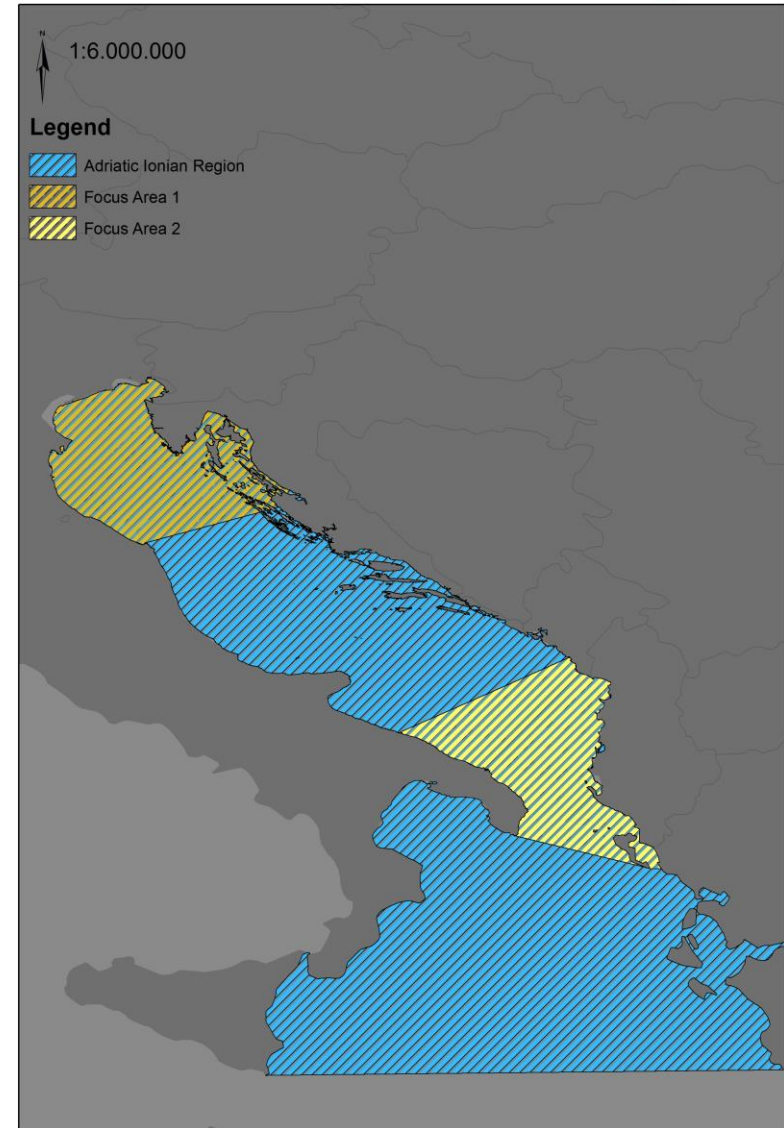
- Funds: European Commission – DG Maritime Affairs and Fisheries (DG MARE).
- Theme: “Maritime Spatial Planning (MSP) in the Mediterranean sea and/or the Black sea”.
- Budget: 1.250.000 €
- Duration: 18 months (December 2013 – June 2015)
- Lead Partner CNR (Italian Research Council)

Adriplan – Partners



ADRIPLAN – Area

- **Adriatic-Ionian Region (AIR);**
- Focus Area 1: Northern Adriatic;
- Focus Area 2: Southern Adriatic/Northern Ionian
- **Mediterranean Sea** as general set of the project



Adriatic-Ionian Macroregion – Why?

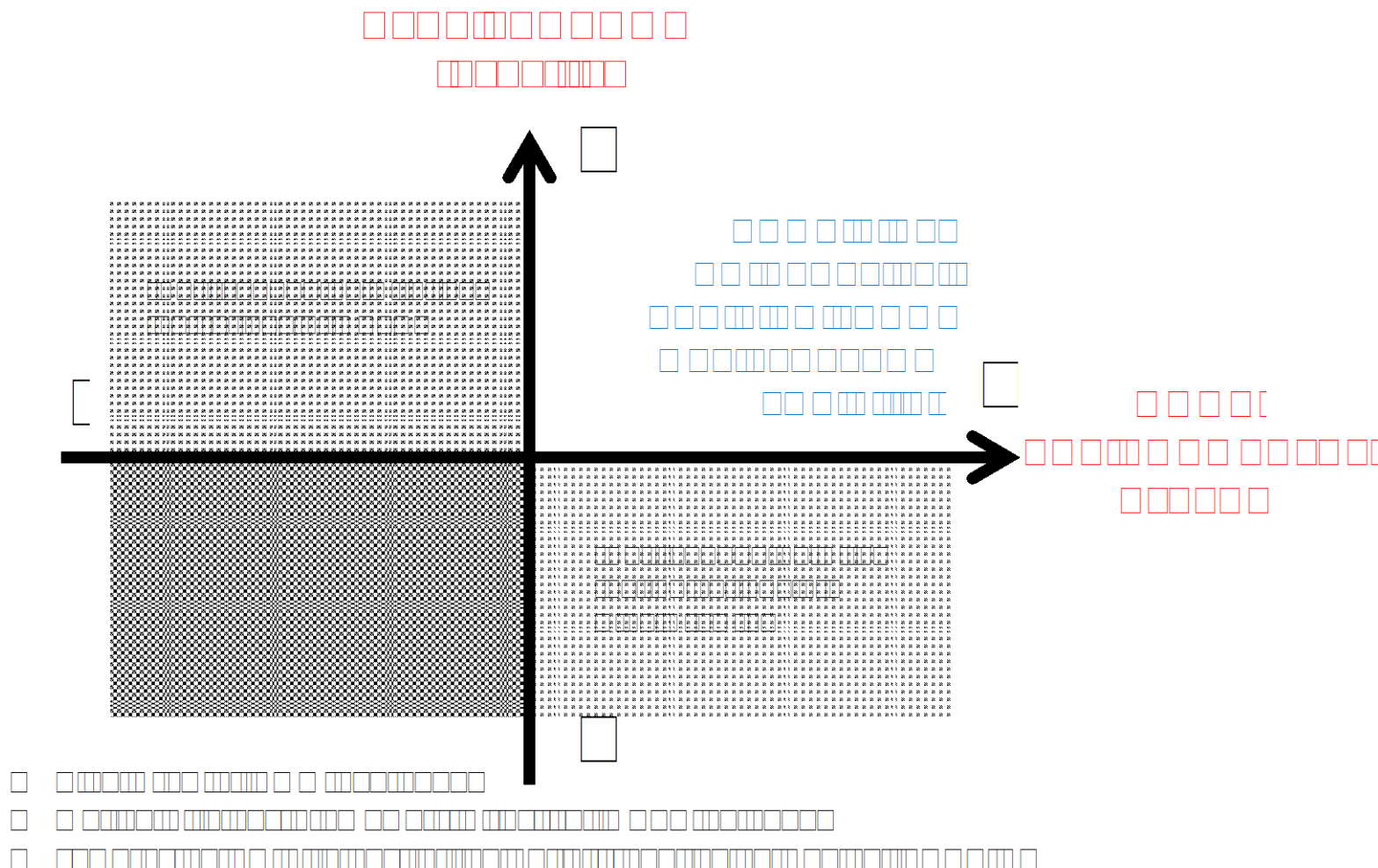
Area of interest for MSP process (DG MARE 2011, PRC):

- Strategic **Location**;
- High **intensity of uses**;
- High **environmental pressures**;
- Administrative, jurisdictional and political differences among the **7 states** with competences over the area.

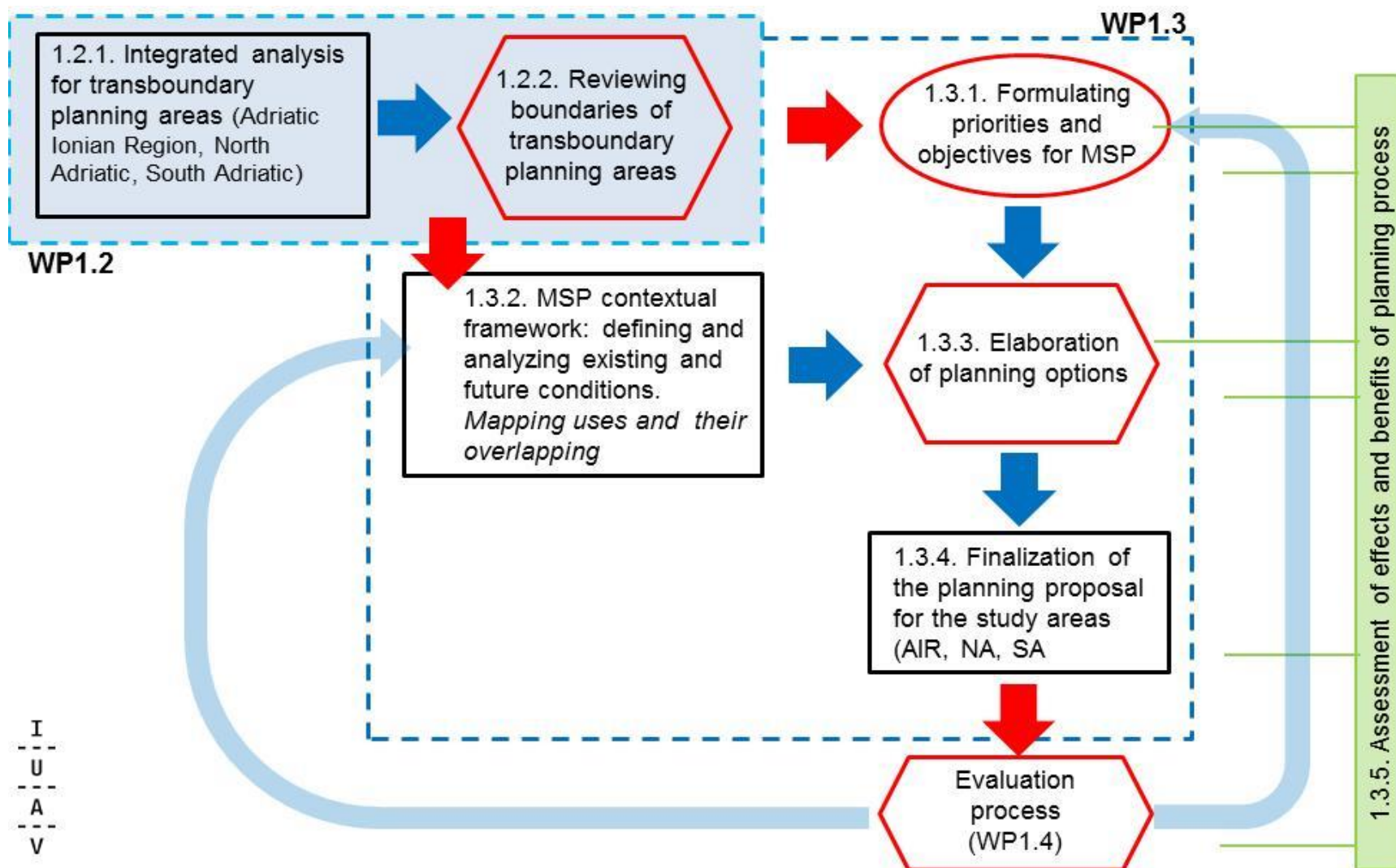
ADRIPLAN – Objectives

1. Develop a **commonly agreed approach** to *crossborder* MSP in the AIR;
2. Set **MSP priorities** based on the best available knowledge;
3. Define **concrete planning and management options** in the focus areas (setting a real planning test);
4. Supporting the implementation of **Blue Growth EU** Strategy
5. Provide **recommendations for the implementation of crossborder MSP** in the AIR.

Methodology - Approach



Methodology – Flow chart of Activities



Methodology - Plan Designing

Existing Uses (2014)

Present socio-economic/environmental conditions (2014)

Future Uses (2020 scenario)

Future socio-economic/environmental conditions (2020 scenario)



Identification of **stakeholder needs and priorities**

Identification of **strategic priorities**

Identification of (spatially defined) **ecosystem protection requirements**

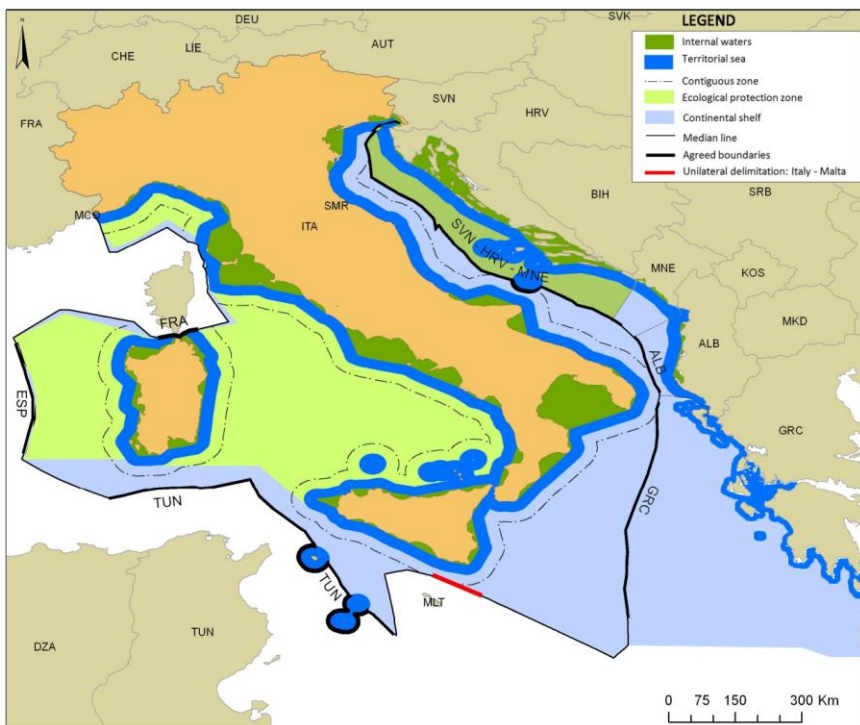


Elaboration of **transboundary planning options**



Finalization of a planning proposal/recommendations for FA1 and FA2 and AIR

Reviewing boundaries of transboundary planning areas



Jurisdictional subdivision of Maritime Waters of Italy, Slovenia, Croatia, Bosnia Herzegovina, Montenegro, Albania and Greece (elaboration: Iuav, after Vivero et al. 2007)

In ADRIPLAN, the definition of boundaries consists in the identification of:

1. the southern boundary of the Adriatic-Ionian Macroregion and the identification of the Adriatic Sea and of the Ionian Sea;
2. the Focus Area 1 boundaries (North Adriatic);
3. the northern and southern boundaries of the Focus Area 2 (within the areas of the South Adriatic/North Ionian).

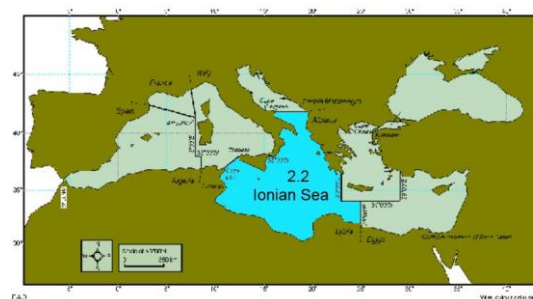
Criteria to establish priorities on AIR, NA and SA and boundaries for the two focus areas

Trans-boundary and cross border issues	The boundaries should intercept maritime areas which pertain to different countries, to directly tackle cross-border discontinuities and governance issues, especially for the two focus areas
Maritime Uses/Economic Domains	Intensity of Maritime Uses (density of uses = n. of uses/area)
	Potential future uses and conflicts/synergies emerging from Sub-Task 1.2.1. Integrated analysis for trans-boundary planning areas (Adriatic Ionian Region, North Adriatic, South Adriatic)
	Relevant domain and scale to intercept uses at the scale of analysis, concerning both AIR (transboundary themes and uses to be treated at AIR), and the two focus areas (regional issues which can be considered and managed at the scale of transboundary regional

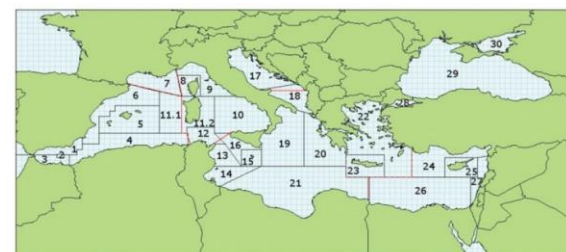
Criteria to establish priorities on AIR, NA and SA and boundaries for the two focus areas

Legal Jurisdictions and borders	Operability and direct applicability of measures and actions related to MSP (legal boundaries and national competences; existence of authoritative bodies, with specific competences over the management of maritime uses - as e.g. Port Captaincy and Regional Authorities in Italy, which operates on a regional scale.
	Enforceability (Existence of a regulatory system capable of supporting strategies and measures to be implemented).
Governance issues	Intensity of (trans-boundary) relations among stakeholders (existing cooperation agreements, considering both intra-sectorial agreements - e.g. NAPA - and inter-sectorial agreements).
Environmental boundaries	<ol style="list-style-type: none"> 1) Existence of environmental dynamics which define specific domains within AIR and the two focus areas - 2) environmental dynamics or key-factors significantly affecting the whole AI Basin and the two focus areas.

Adriatic Ionian Macroregion



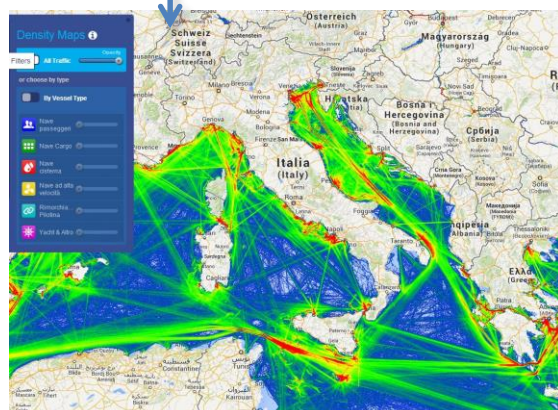
Ionian Sea
boundary
defined by
FAO



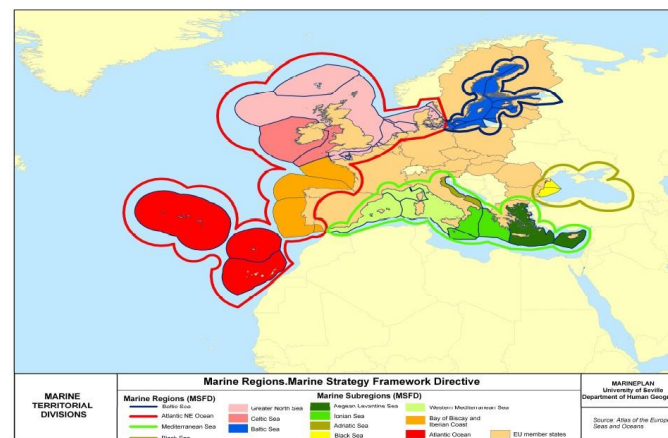
Fishery
Areas, FAO

— FAO Statistical Divisions (red) — GFCM Geographical Sub-areas (black)

01 - Northern Adriatic Sea	07 - Gulf of Lions	13 - Gulf of Hammamet	16 - Western Ionian Sea	25 - Cyprus Island
02 - Albanian Island	08 - Corsica Island	14 - Gulf of Gabes	17 - Eastern Ionian Sea	26 - South Levant
03 - Southern Adriatic Sea	09 - Ligurian and North Tyrrhenian Sea	15 - Sicily Island	21 - Southern Ionian Sea	27 - Levant
04 - Algeria	10 - South and Central Tyrrhenian Sea	16 - South of Sicily	22 - Aegean Sea	28 - Sicilian Sea
05 - Balearic Island	11.1 - Sardinia (west), 11.2 - Sardinia (east)	17 - Northern Adriatic Sea	23 - Cete Island	29 - Black Sea
06 - Northern Spain	12 - Northern Tunisia	18 - Southern Adriatic Sea	24 - North Levant	30 - Aegean Sea

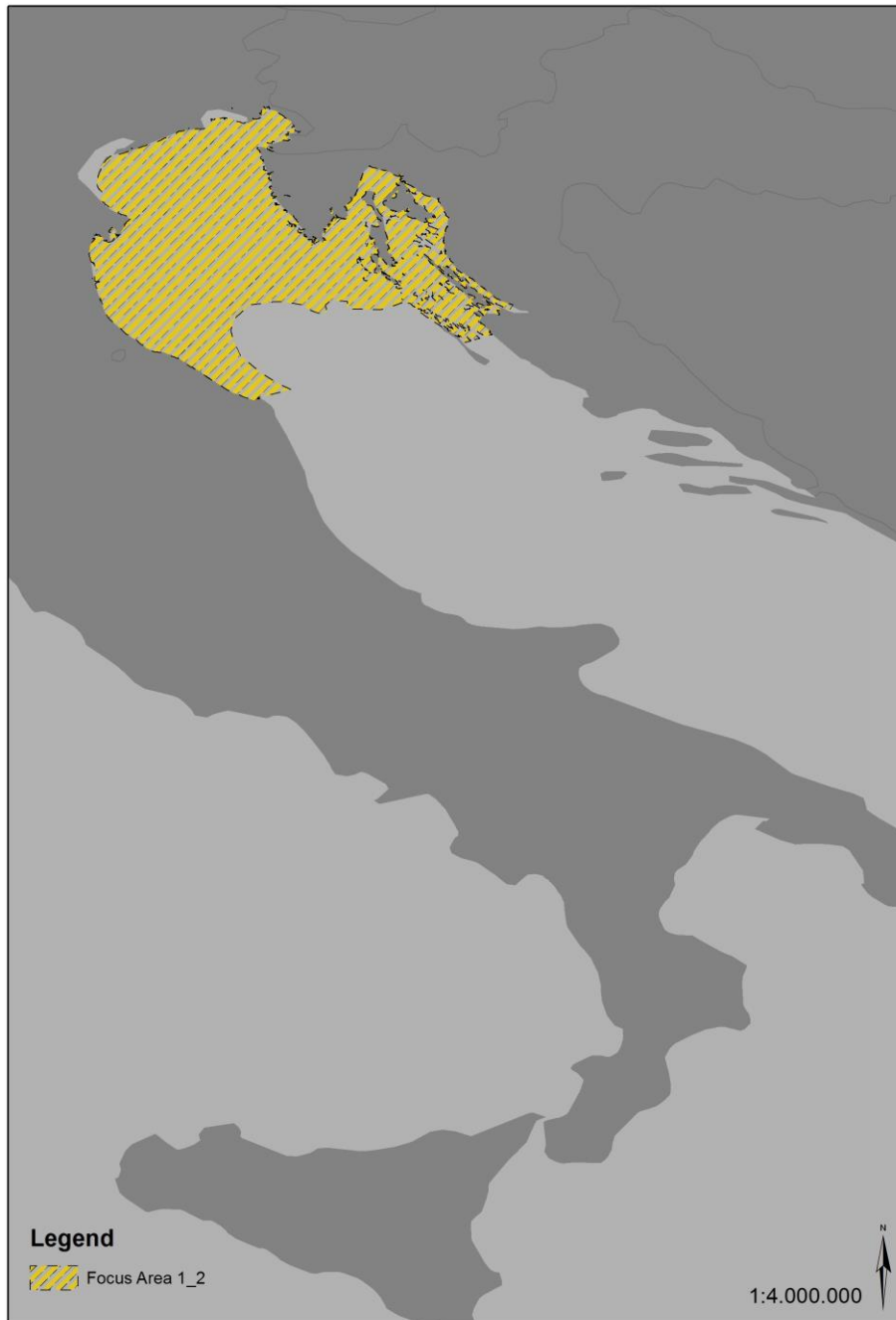


Marine
traffic density
maps
(passenger,
cargo, ... see
legend)



Subdivision
of Marine
Regions
according
to MSFD,
2008

Proposal boundaries for the Adriatic Ionian Macroregion definition

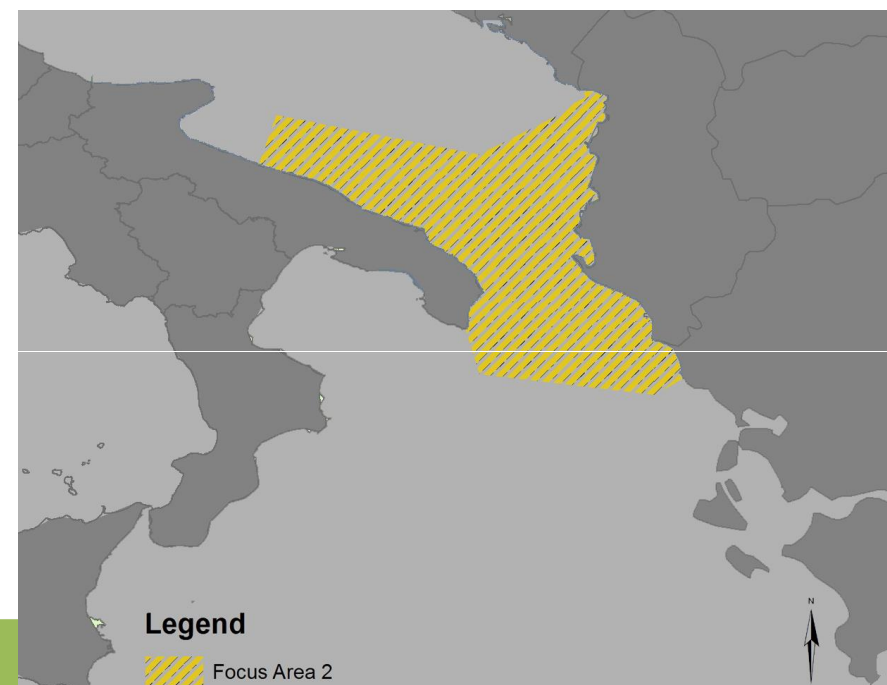
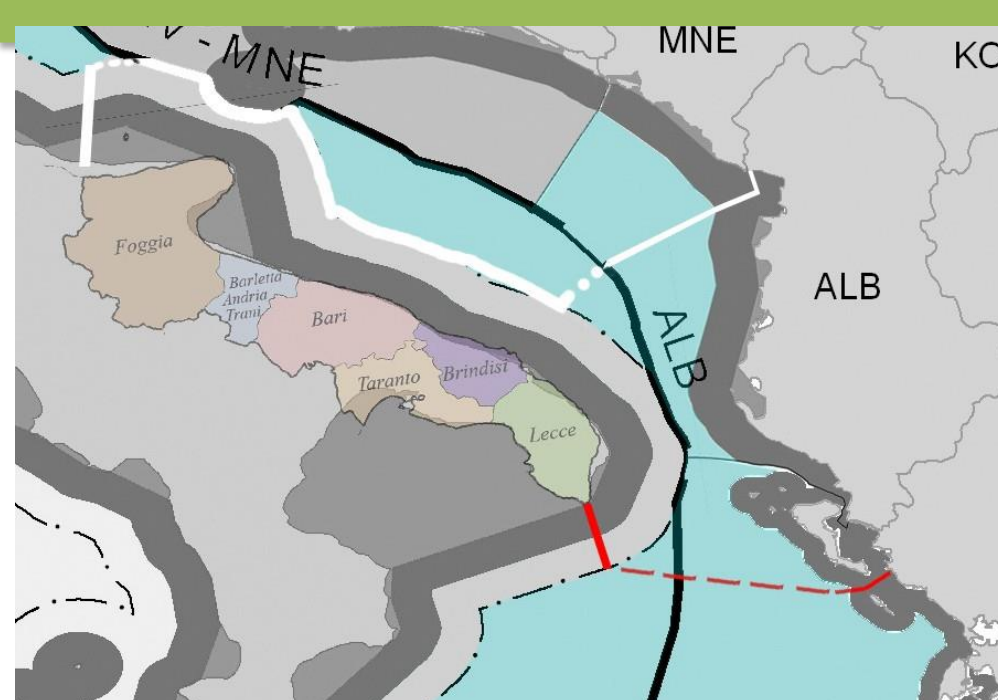


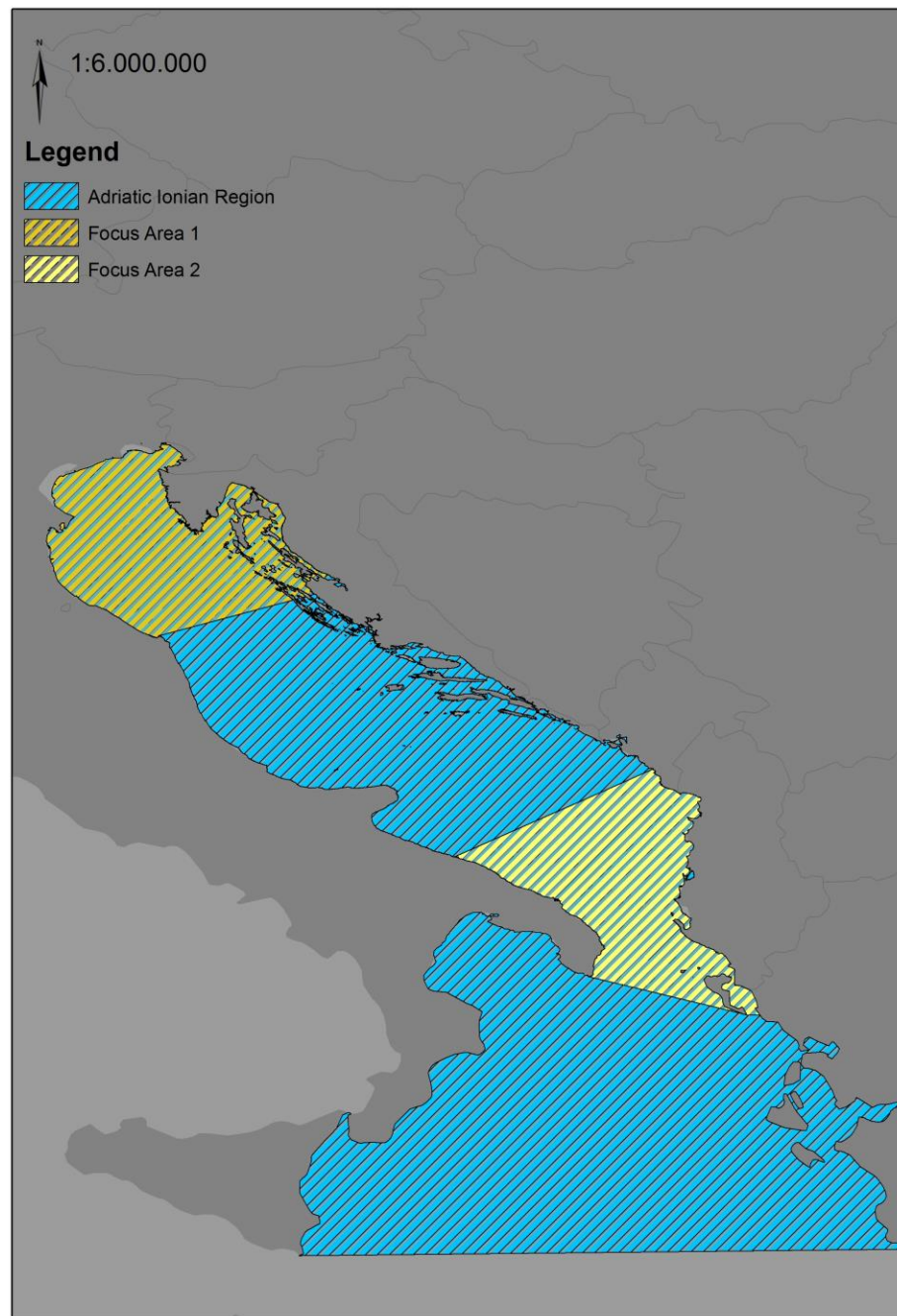
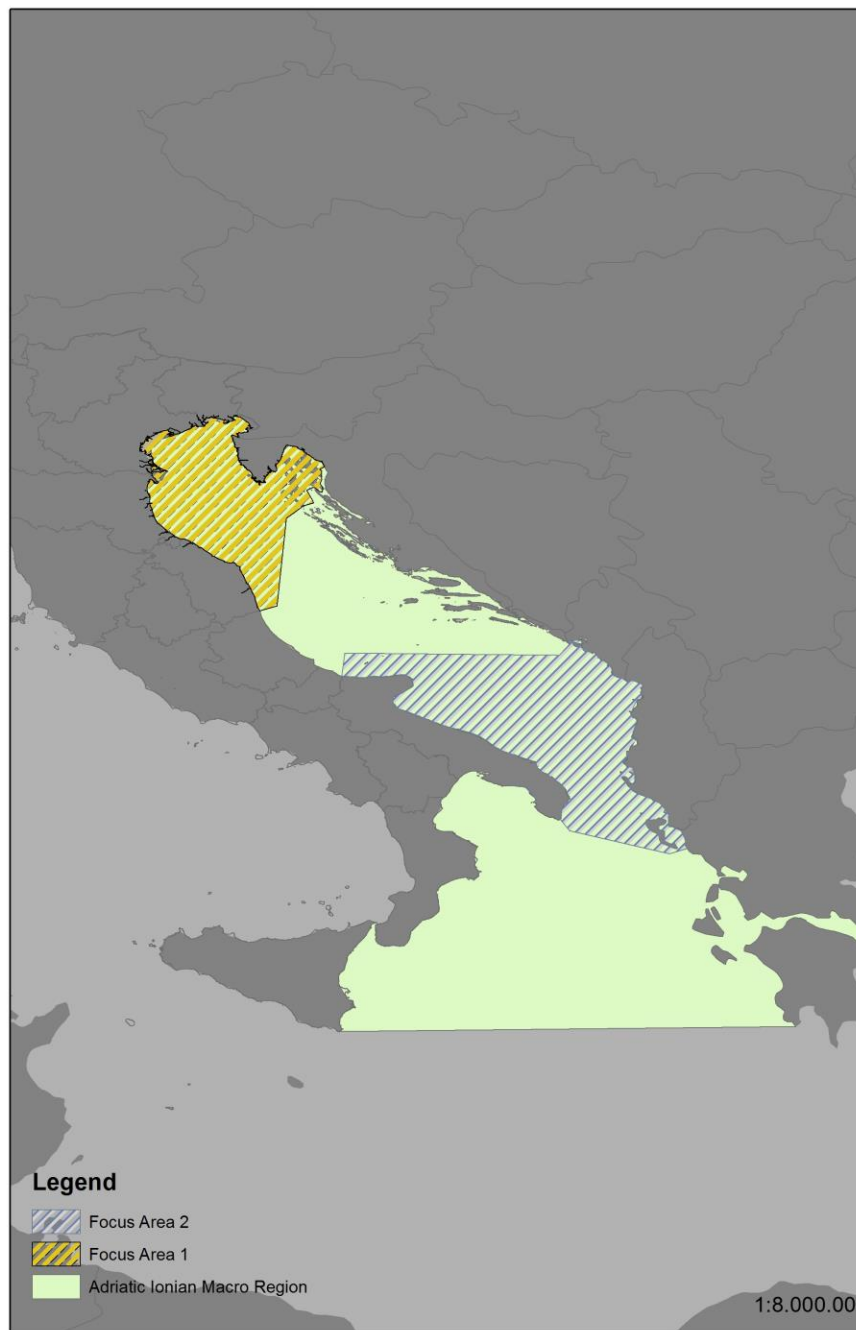
Proposed “Soft Boundaries”: Area of Analysis of maritime uses and environmental components for the focus area no 1

Proposal boundaries for the Adriatic Ionian Macroregion definition



Proposed “Soft Boundaries”: Area of Analysis of maritime uses and environmental components for the focus area no 2





Four Levels of Planning:

Mapping of Adriatic Ionian Planning



National Level



District Level



Regional Level



City Level

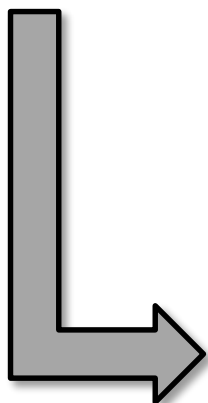
The Database:

- ☐ *Lead Planning Agency*
- ☐ *Plan Title*
- ☐ *Plan Scale*
- ☐ *Status*
- ☐ *Themes of Plan (Maritime Spatial Planning, Land transport, Sea Transport, Avifauna, Fishing, ecc...)*

Mapping of Adriatic Ionian Planning



Four Levels of Planning

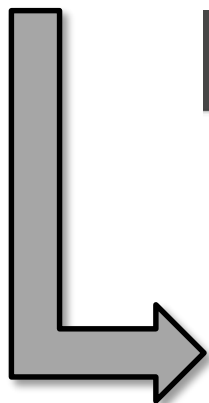
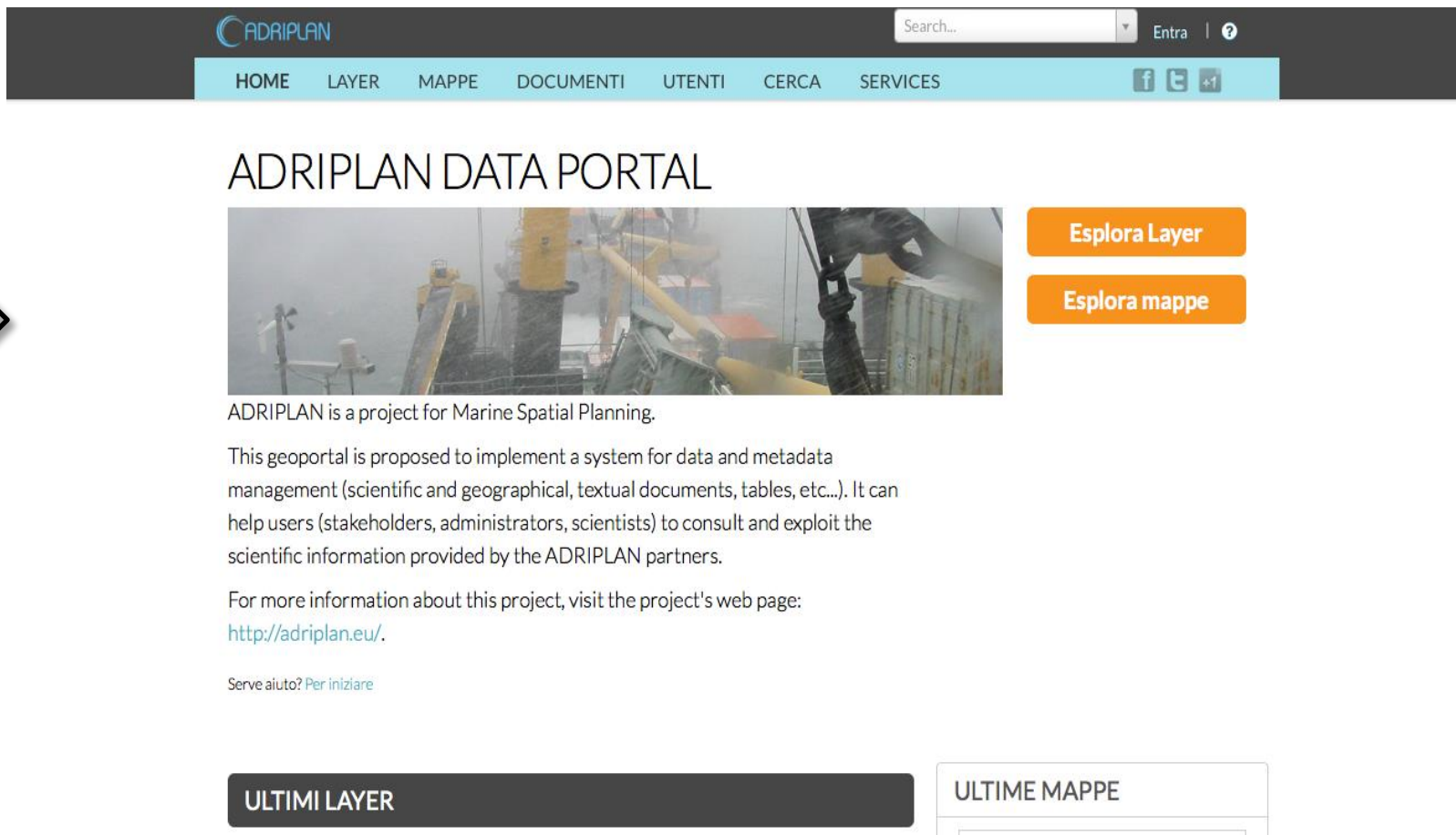


- ☐ National Level
- ☐ Regional Level
- ☐ District Level
- ☐ City Level

Adriplan DATA Web Gis

Mapping of the Adriatic Ionian Strategy

<http://data.adriplan.eu>

The screenshot shows the ADRIPLAN DATA PORTAL website. The header includes the ADRIPLAN logo, a search bar, and navigation links: HOME, LAYER, MAPPE, DOCUMENTI, UTENTI, CERCA, and SERVICES. Below the header, the main heading is "ADRIPLAN DATA PORTAL". A large image of a port with yellow cranes is featured. To the right of the image are two orange buttons: "Esplora Layer" and "Esplora mappe". Below the image, the text reads: "ADRIPLAN is a project for Marine Spatial Planning. This geoportal is proposed to implement a system for data and metadata management (scientific and geographical, textual documents, tables, etc...). It can help users (stakeholders, administrators, scientists) to consult and exploit the scientific information provided by the ADRIPLAN partners. For more information about this project, visit the project's web page: <http://adriplan.eu/>. Serve aiuto? [Per iniziare](#)". At the bottom, there are two buttons: "ULTIMI LAYER" and "ULTIME MAPPE".

An Erasmus Mundus program on MSP

- 3 European Universities (Iuav Venice, Seville, Azores);
- 3 Semesters in the partners universities, 1 Semester in an international institution (internship);
- 30 associated partners (*network is open for new members*) universities, public and private institutions;
- 15 students 1st ed. – 15 just selected for the 2nd ed.;
- More than 400.000 € of EU Erasmus+ scholarships every edition (until 2018);
- Strong interactions with research programs promoted by universities and associated partners

Thanks



Iuav University of Venice msp@iuav.it

Working group on Maritime Spatial Planning

Prof. Francesco Musco (PhD), Dr. Elena Gissi (PhD)

Federica Appiotti (Phd), Denis Maragno, Irene Bianchi