



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

HarmoNIA



HarmoNization and NetwOrking for contaminant assessment in the Ionian and AdriaTic Seas

HarmoNIA Geoportal and risk assessment

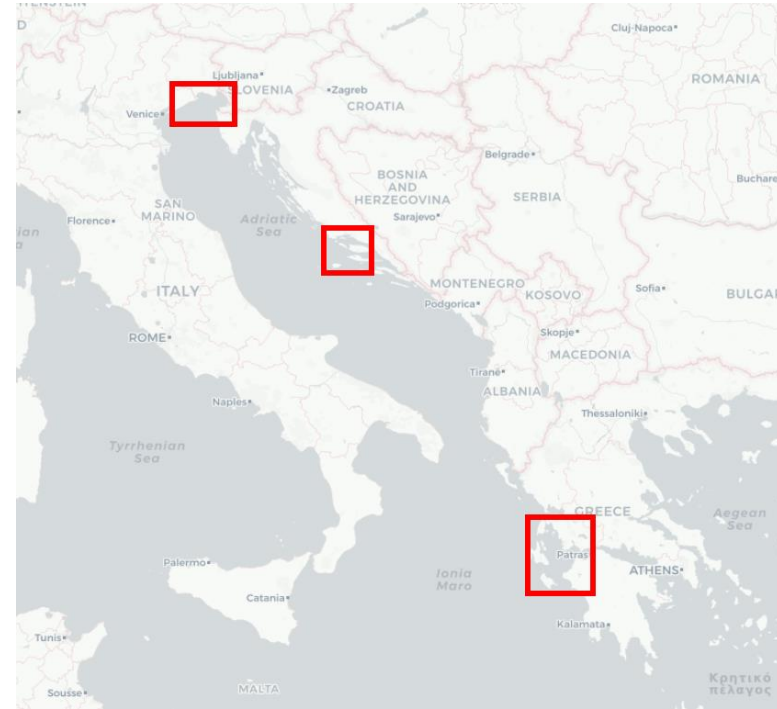


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1st project meeting, Split, 6th February 2019

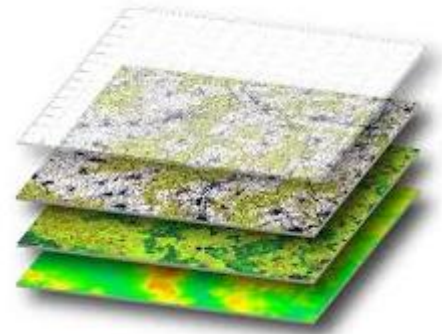
What is the purpose of WP3?

- To collect relevant GIS layers
- To define vulnerability index along the coast
- To define case study areas
- To involve hydrodynamics
- To create methodology
- To predict contaminant dispersion in typical situations

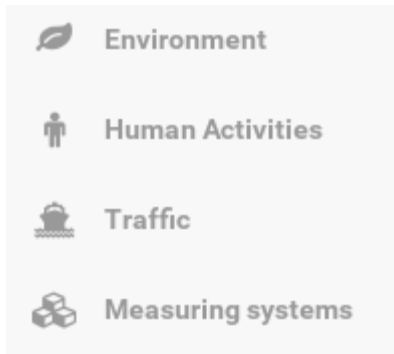


- Monitoring stations (National & MSFD)
- Ferry route
- Ports and Harbours
- Bathing waters - location
- Mariculture
- Coast type
- Protected areas
- Ramsar sites
- Offshore installations

Few gaps,
generally good
coverage



- Environment
- Human Activities
- Traffic
- Measuring systems



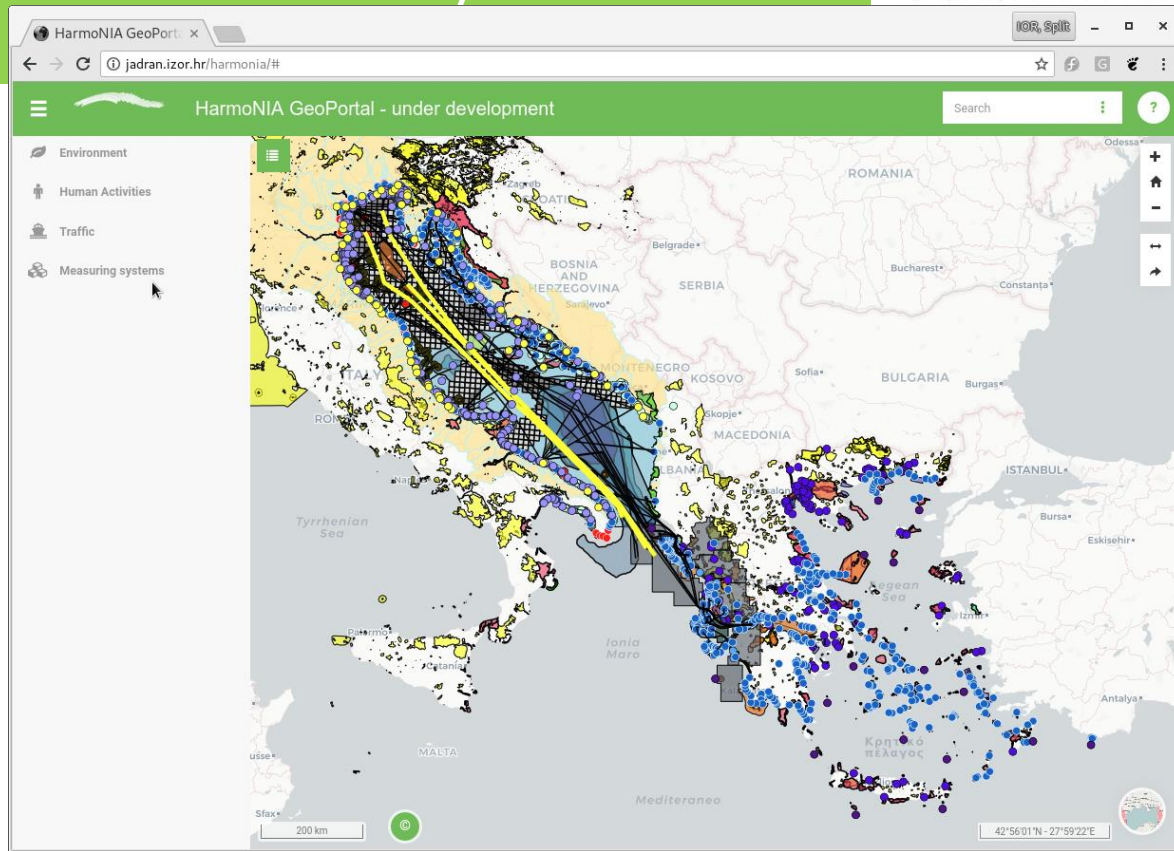
Initial groups for "clear" presentation of layers.

Group dedicated to HarmonIA deliveries

- Hydrodynamics
- Risk index
- Mixing zone around offshore platforms

Geoportal: Presentation of collected GIS layers

42 layers, some of them national layers, some can be merged



<http://jadran.izor.hr/harmonia/>

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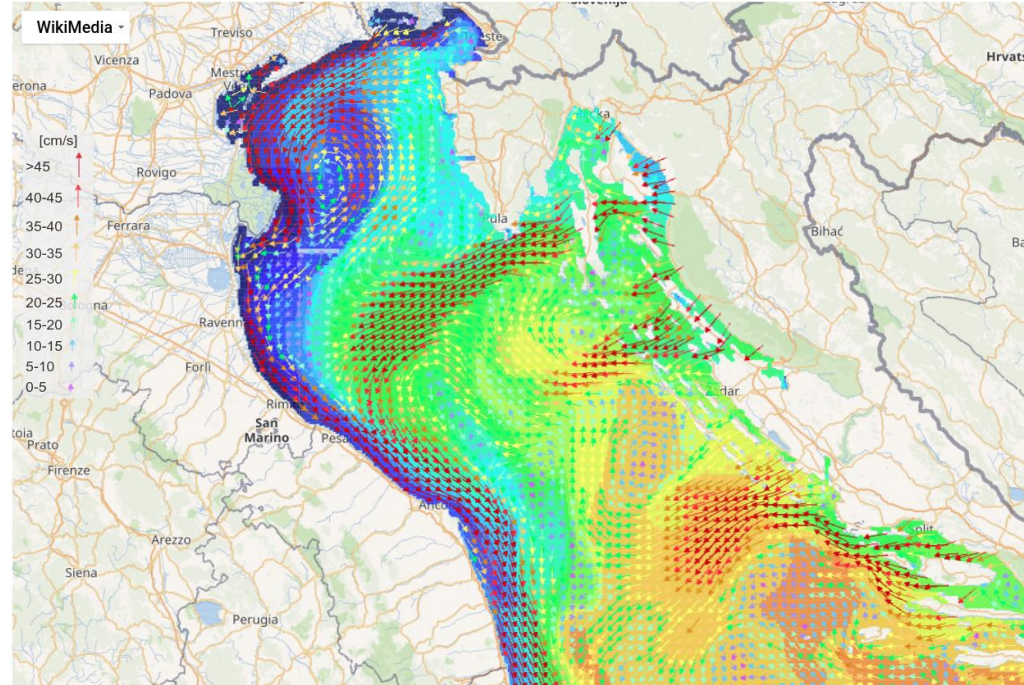
- Geonetwork for metadata discovery
 - already installed
 - configuration and data population
- OGC compliant services
- INSPIRE compliant results



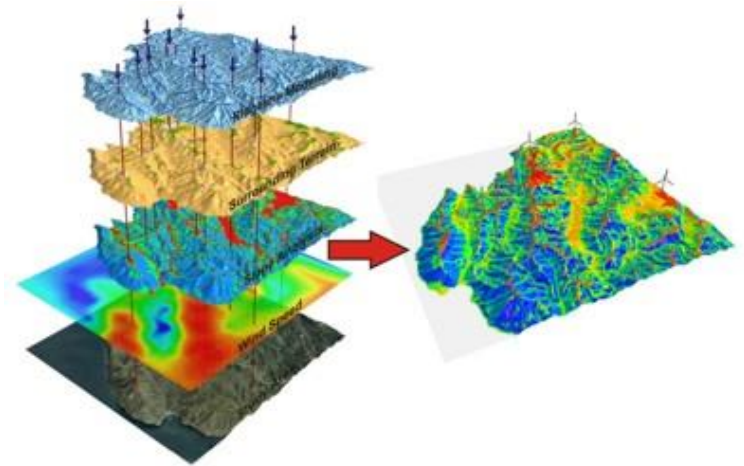
Next task - hydrodynamics and risk index

Model results, together with historic data and trends will be used to produce maps of contamination probability (**risk index**).

Will be collected within the **entire** HarmoNIA partnership in order to identify case study areas to perform assessment of coastal vulnerability.



- Spatial dispersion according hydrodynamics
- Multiple layers
- Multiple parameters
- Time or seasonal component
- Evaluation of results

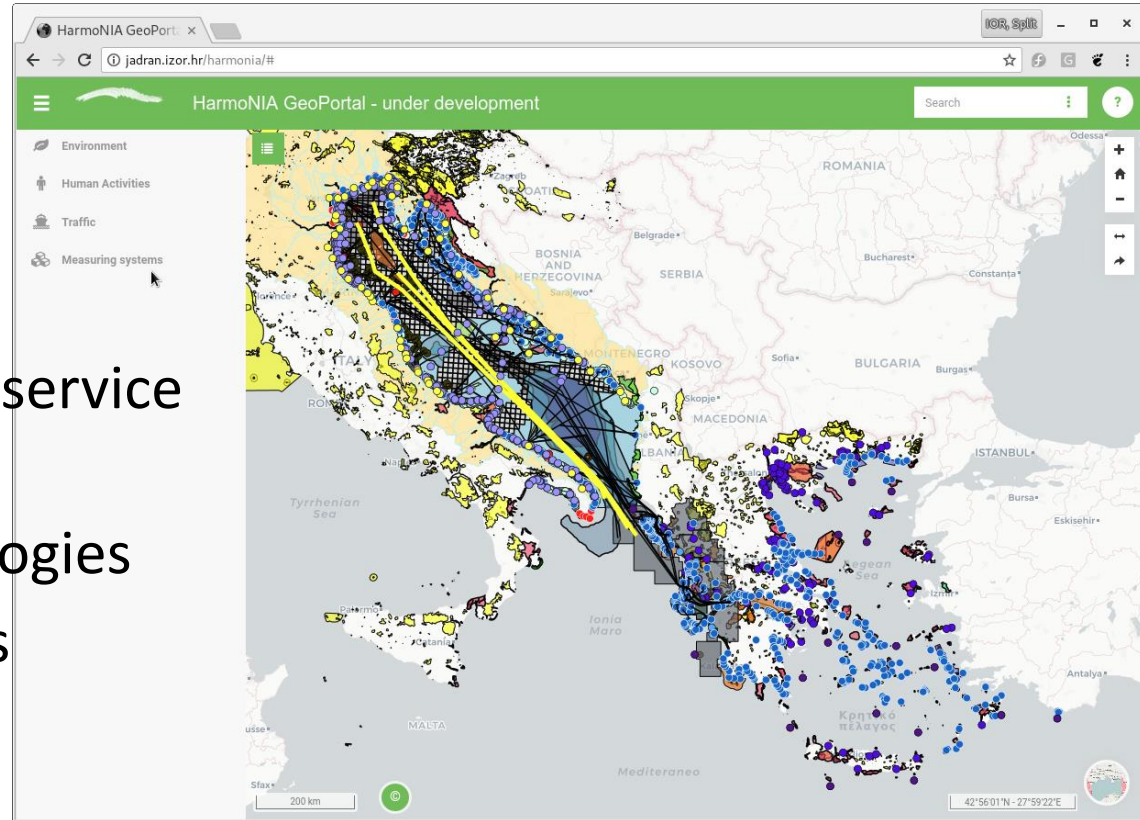


- Choose appropriate hydrodynamics cases (typical “strong” weather for case study areas)
- Transpode hydrodynamics to GIS
- Create methodology
- Create output GIS layers
- Update HarmonIA Geoportal
- Easy and user friendly presentation for stakeholders and general public



Public visibility - web pages and services

- Geoportal
- Geonetwork
- WMS & WFS services
- WP2 Dedicated viewing service
- Listed and Harmonized protocols and methodologies
- Updated vocabulary lists





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Thank you for your attention!



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