



HarmonIA



Harmonization and Networking for
contaminant assessment in the Ionian and
Adriatic Seas

Deliverable T3.2.1 - GIS layers of vulnerable marine and coastal zones in case study areas

Work Package T3

Case Study of Contaminant Dispersion

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1. Introduction

Deliverable description: Preparation of layers for case study: benthic and water column habitat type, land cover, protected areas, environmental and socio-economic values assigned to different zones. This deliverable is required for the preparation of D.T3.2.3 on risk index of contaminant dispersion.

Task is that we have to collect relevant GIS layers from project partners according description. For collecting relevant layers we took opportunity to also contact Stakeholders on project workshops (Athens - march 2018 and Split - February 2019).

To find good and relevant layer covering whole Adrion region is not easy task. Main sources are layers from HAZADR project and some official EU and conventions layers as Ramsar sites and Natura 2000. Also we use official locations of the bathing waters according “Directive 2006/7/EC of the European Parliament and of the Council of 15 February 2006 concerning the management of bathing water quality”. Regarding benthic and water column habitat type is very hard to find relevant layer for whole region. Reason is because habitat type collecting information projects are very expensive and usually limited to smaller and particular areas. To describe coast vulnerability we decide to use HAZADR coast type layer. Until the end of project we will, try to improve quality of this layer regarding Croatian coast and extend coverage.

All layers are visible on HarmonIA GeoPortal
<http://jadran.izor.hr/harmonia/>



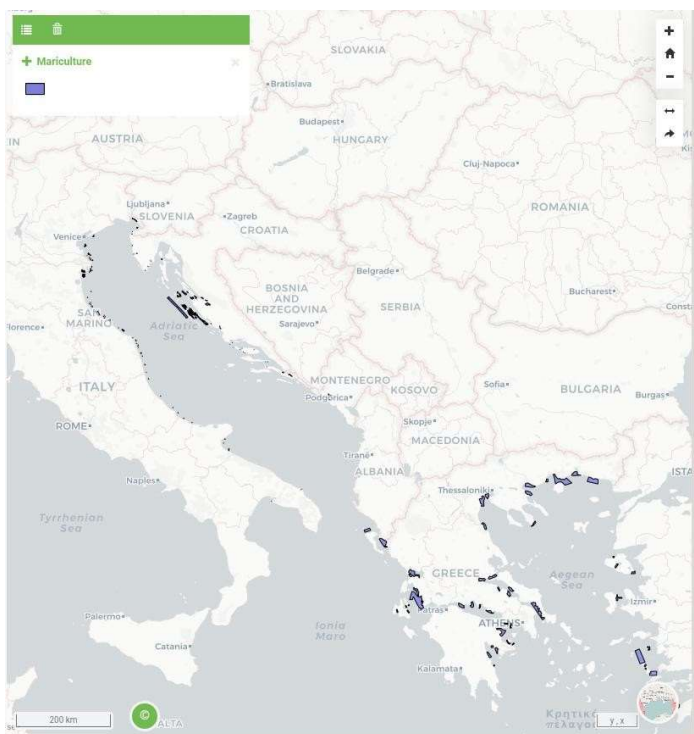
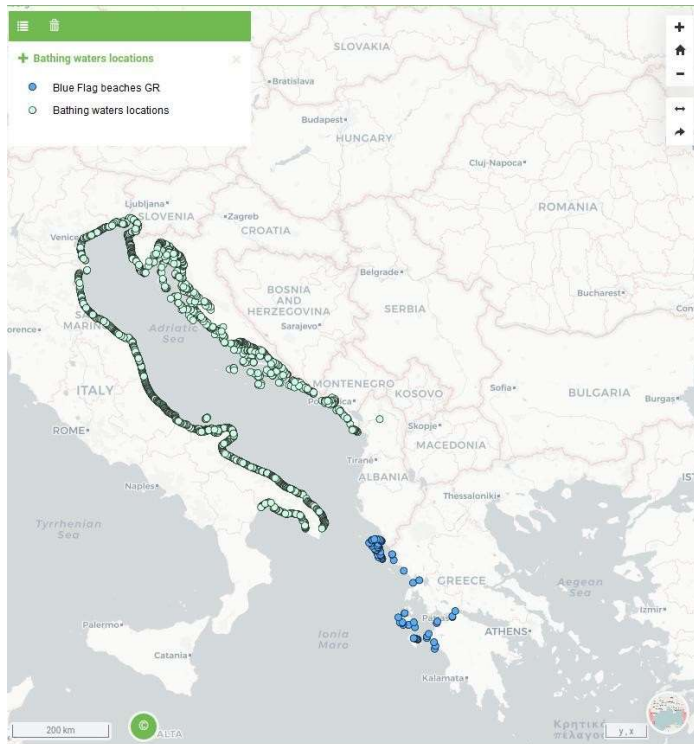
2. List of layers

- Bathing waters locations
 - According Directive 2006/7/EC. Non EU Countries Montenegro and Albania also participate to reporting towards European Environmental agency so we have good coverage. Used as indicator of vulnerability and socio-economic use of coast.
- Mariculture
 - HAZADR layer with locations of Mariculture sites. Concessions for mariculture are basically changing each year, but main and largest sites are used for longer periods. Good coverage except for Albania.
- Ramsar sites
 - Areas protected under a treaty concerning the conservation and sustainable use of wetlands and their resources, developed and signed by participating nations at a convention held at Ramsar, Iran, in February 1971. Good coverage for whole Adrion area.
- Natura 2000 sites
 - Network of nature protection areas in the territory of the European Union. It is made up of Special Areas of Conservation and Special Protection Areas designated respectively under the Habitats Directive and Birds Directive. The network includes both terrestrial and Marine Protected Areas. Good coverage except for Montenegro and Albania.
- Coast type
 - HAZADR layer describing coast dividing it to 16 coast types (artificial, rocky, cliff, gravel, sand, etc.). There is no coverage for Greece. For Croatia and Montenegro with lower quality (mainly rocky coast). Planned to be improved in quality for Croatian coast and get information for Greece until end of project.

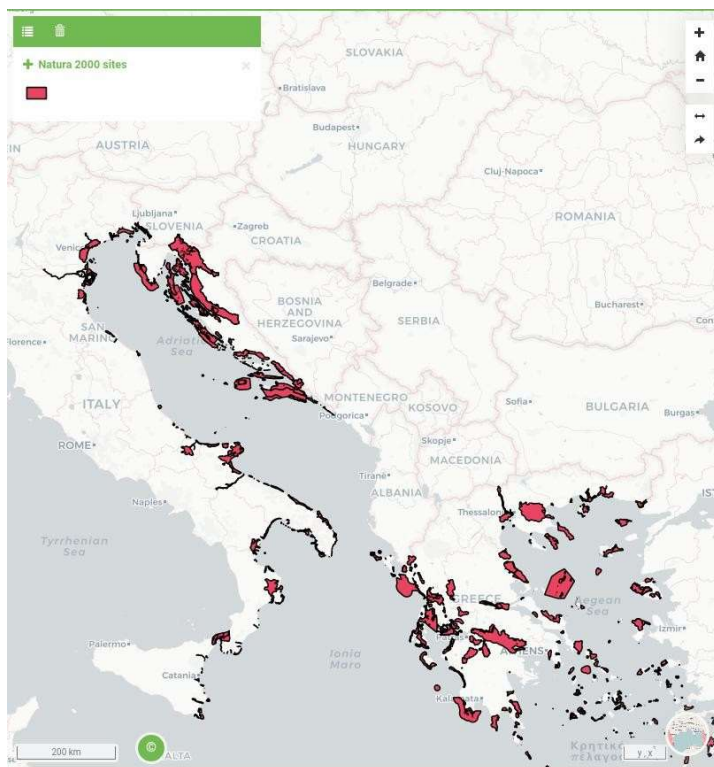
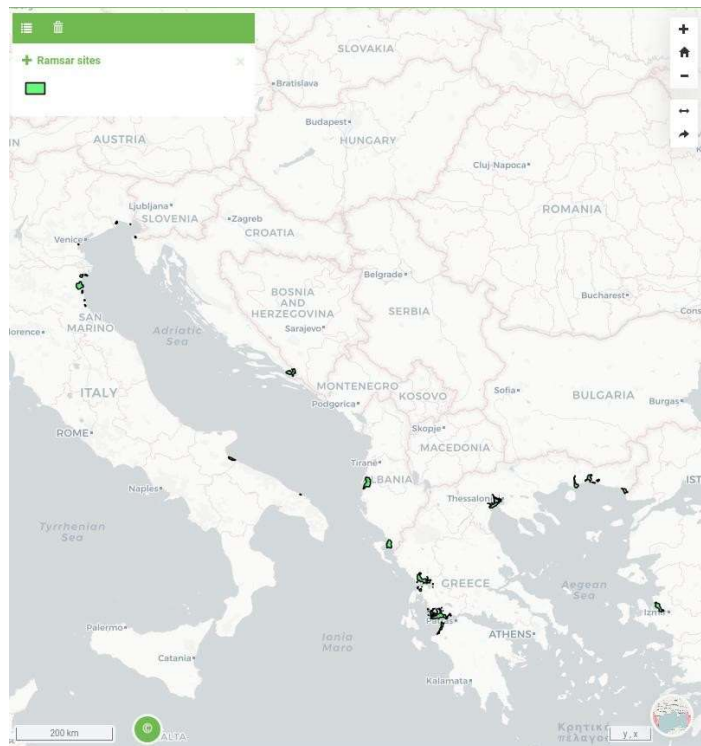


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3. Adrion region

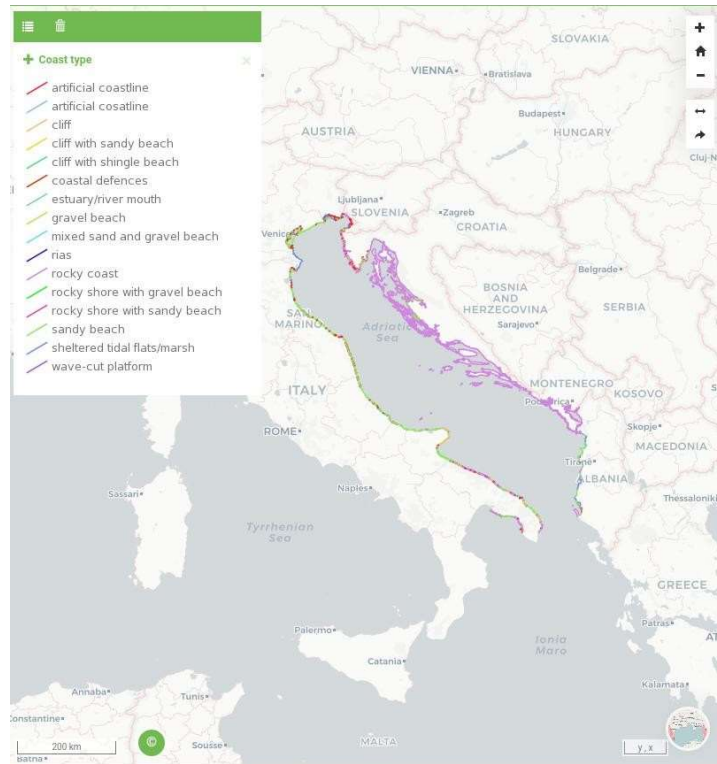


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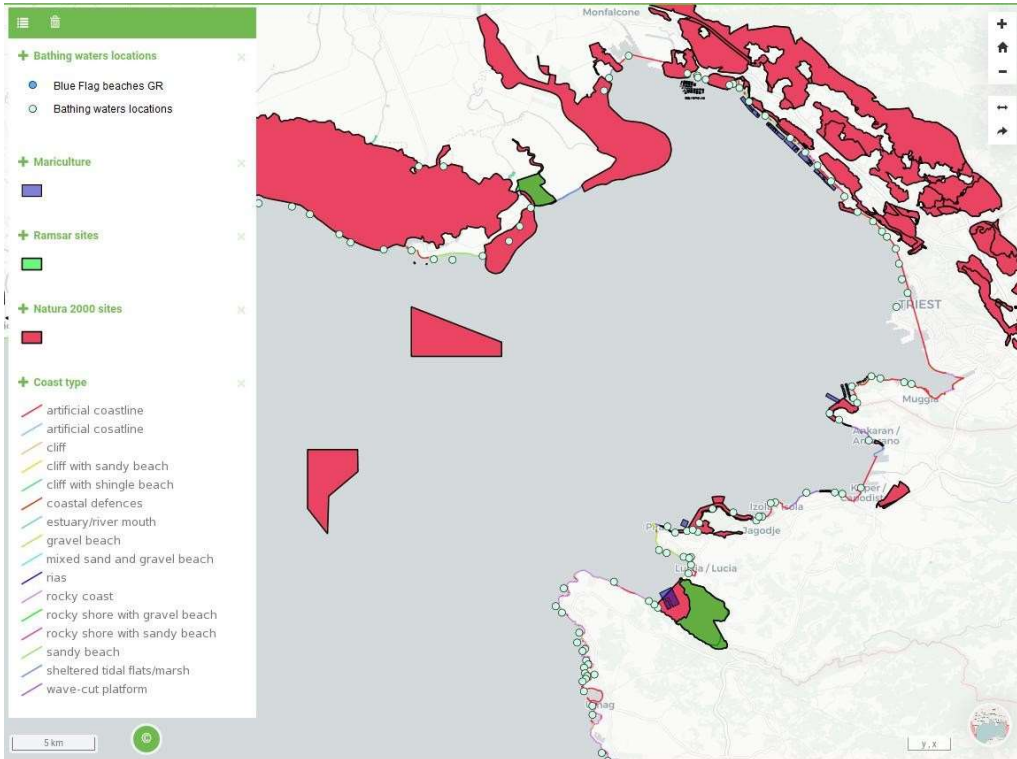
T3.2.1 GIS layers of vulnerable marine and coastal zones in case study areas





4. Case study areas

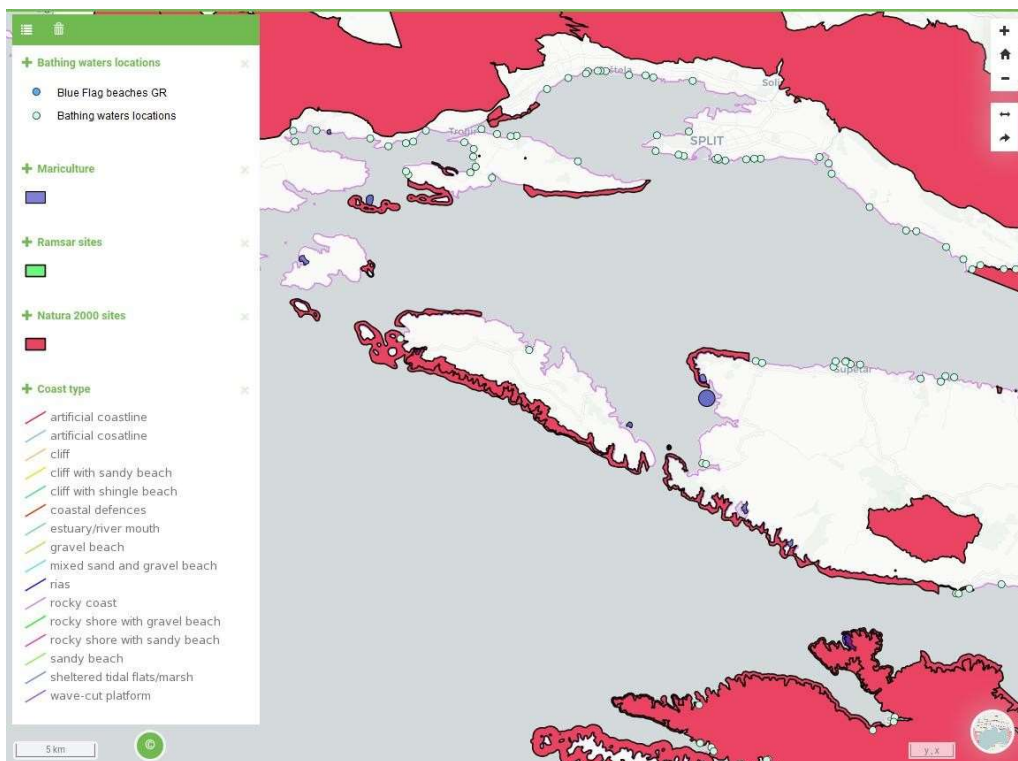
Gulf of Trieste





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Split and Kaštela bay





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Patras region

