MED OSMoSIS. Italy's pilot actions and testing

The Abruzzo Region, in collaboration with its technical partner, the Italian Hydrographic Institute of the Italian Navy (IMM), is responsible to carry out two pilot actions in the context of MED OSMoSIS.

The pilot actions are conducted by the IMM under the project UP aiming at developing a **Web-GIS Interface to deliver information and implement communication** between the hydrographic office (HO) or a maritime authority, and the key players operating in a specific marine area, namely coast guard offices, port authorities, marine area operators, oil and/or gas companies, research institutes, national authorities and other stakeholders.

The nautical charts represented in the interface comply with the **international standards**, and the players can view – but not modify - layers or features.

Such a module provides authorized users/partners with an updated digital cartographic platform for planning activities, issuing disciplinary measures, managing maritime areas, or even creating a graphical attachment. It is connected to other web maps/coverage services delivered by national and European authorities.

In addition to this, a special module foresees the implementation of other databases to convey updates or to make reports on e.g. a newly-detected wreck, the construction of an underwater barrier, the laying of a cable, the removal of a buoy, and so on. The updates/reports generated by the Web-GIS application are checked and approved by the HO first, and the digital charts portfolio is updated accordingly. This way, an **effective tool for updating nautical documentation** is delivered for navigation safety.

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The design phase of the Web-GIS application ended in January 2022. On April 5th, 2022, the Abruzzo Region in collaboration with the IMM outlined the platform and **launched the testing phase** to the interested partners and stakeholders during a joint workshop. The latter will be able to view the prototype designed, try its functionality, and contribute to its improvement.

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