



"Oil spill event tracking in the Aegean Sea. Integration of diverse data sets by the use of harmonization tools", that is the Humboldt Ocean Scenario implementation in Greek waters

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The critical role of Data Harmonization in Data Management dealing with Geospatial Data it is a reality in nowadays. The GMES funded project HUMBOLDT has the target to contribute to the implementation of a European Spatial Data Infrastructure (ESDI). The main objective of this infrastructure is to integrate a diverse spatial Data Sets located in a various European organizations from miscellaneous domains.

For this target to be achieved the requirements of INSPIRE directive, of GMES Initiative and others EU related activities have to be met in HUMBOLDT Project.

Under this point of view, the scope of the "Oil spill event tracking in the Aegean Sea" entry was not to develop a new system or new tools aiming in forecasting and drifting of the oil spill. Contra wise the objective was the already developed in HUMBOLDT Project tools to be used together with POSEIDON system which is a system for forecasting, monitoring and information producing for the Greek seas.

The idea was via the above tools, Harmonization of diverse Data Sets regarding oil spill event to take place. The Harmonization would deal either for Input Data Sets of Poseidon system, as well as in System output Data Sets together with External GIS data about the nearby coasts layout (roads, urban or protected areas etc) .

Thus the whole platform would serve the objective to predict the oil spill consequences for the marine environment and at the same time to ward off the danger of pollution for possible protected areas near by the event. Further more, the platform will be ready for the future to use additional datasets regarding protection of areas for example: river embouchures, river estuaries etc

Concluding the whole entry will play the role of a valuable mean for Ecological Protection of Greek seas and coasts able to provide the decision-makers who rely on strategic information regarding environmental and security issues, with an independent and permanent access to reliable data.