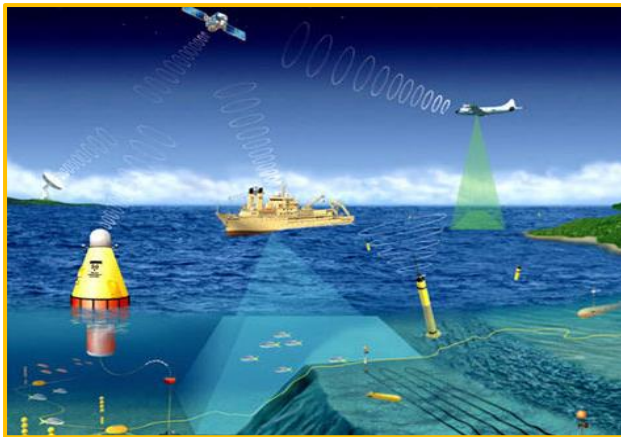


About the Project

AdriaMORE is a project co-funded by the European Union through Interreg Italy-Croatia CBC Program. AdriaMORE is the acronym of the "Adriatic DSS exploitation for Monitoring and Risk management of coastal Extreme weather and flooding" and brings together 4 partners from Croatia and Italy: Abruzzo Region (LP), Dubrovnik-Neretva Region (PP1), Croatian Meteorological and Hydrological Service (PP2) and the Institute of atmospheric sciences and climate (PP3).



Acronym: AdriaMore

Title: Adriatic DSS exploitation of Monitoring and Risk management of coastal Extreme weather and flooding

Lead partner: Abruzzo Region

Total budget: 1.150.000,00 €

ERDF: 977.500,00 €

Duration: 18 months

Contact: Ms. Paola Di Salvatore

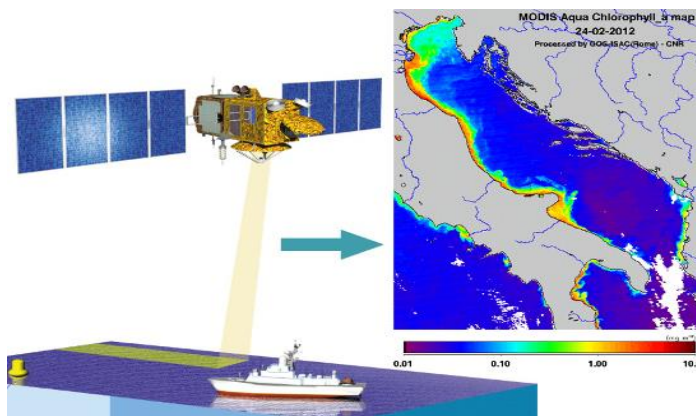
Project manager: Diana Gracin Petrović

Web site: <http://www.italy-croatia.eu/>

Main Goal

The AdriaMORE project goal is to improve an existing integrated hydro-meteorological risk management platform focusing on the Adriatic coast areas of Italy and Croatia capitalizing the major achievements of the ADRIARadNet and the CapRadNet projects. These projects, successfully completed under the Adriatic IPA CBC Program, were dedicated to creating a cross-border infrastructure of observing and forecasting systems for the civil protection purpose.

In this respect, the general objectives of the AdriaMORE project are:

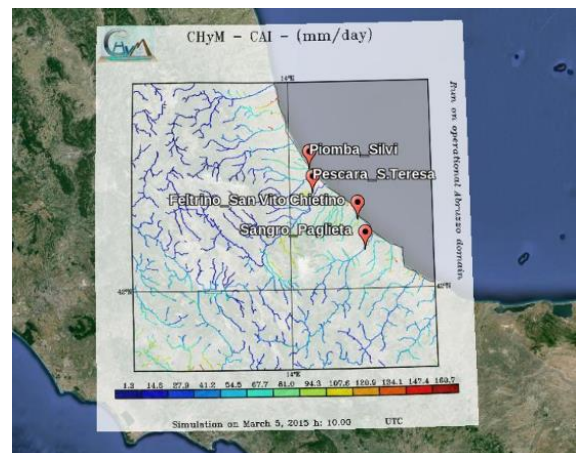


- Reinforcing the existing monitoring system;
- Fostering and integrating the maritime environmental data in a coherent way with the hydro meteorological information;
- Improving the hydro-meteo-marine risk forecast capabilities;
- Assess the impact of coastal flood on geomorphological and biochemical parameters and coastal environment.

The first achievements of AdriaMORE

The AdriaMORE integrated system is currently developing new components and the work has started with a number of technical activities, such as literature review, software developments, ad-hoc simulations and testing on relevant case studies. With more details a suitable chain, in order to process weather radar data having different technical features has been implemented and preliminary assessments were conducted on case studies. A “radar mosaicking scheme” was designed capable of ingesting both 3D and 2D data to provide, as an output, the field of rain.

At the same time, the ChyM Hydrological Model - the model designed to provide a general purpose tool for flood alert mapping and hydrological risk management - was tested on the Pescara river outlet. The alarm indexes were calibrated on the basis of the results produced by two case studies, according to the best methods suggested by the scientific literature. In addition, the high-resolution (1km) meteorological model WRF was set up in the coastal area of the Abruzzo region and was tested for coupling with a wave model, the latter can forecast the main marine fields like significant wave height, length and direction. Several cases were evaluated with a focus on heavy precipitation events and wind storms.



Preliminary simulation was conducted for the evaluation of statistical trends for total suspended matter and chlorophyll concentration using satellite data. These parameters help understand the response of the coastal ecosystems to human pressures, so as to detect eutrophication caused by river runoffs and to recognize the distribution of fluvial sediment. In this respect,

modeling, simulations in coastal areas and the open sea were also conducted for the computation of transport and dispersion properties of environmental sensitive tracers.

These first AdriaMORE achievements will be further developed by the project partners with the aim to equip the involved territories and people with effective tools to tackle severe weather events and other marine risks triggered by hydro-meteorological events, thus reducing damage and increasing safety.

The AdriaMORE kick off meeting in Pescara

The kick-off meeting of AdriaMORE project took place in Pescara (Italy) on April 9th and 10th 2018.

The day 1 of the meeting, was chaired by Frank S. Marzano (CETEMPS, scientific implementing body of the project on behalf of the Abruzzo Region) giving a detailed presentation of project from technical and financial point of view. Then Ms Diana G. Petrovic (IT-HR Program manager) gives an overview of the key features of the program rules. The project partners presented their organizations and the planned work for the project highlighting their possible critical issues. After that, the first Steering Committee Meeting was held to give an overview of the future steps to be undertaken and to discuss financial and administrative issues on the project.



On day 2 of the KOM, a press room and conference took place. Journalists from TV networks and newspapers participated and interviewed Ms Paola Di Salvatore, the project coordinator, and Mr. Mario Mazzocca, Undersecretary of the Presidency of the Regional Government of Abruzzo. Following, during the press conference, Ms Paola Di Salvatore, Mr. Mario Mazzocca, Mr. Frank Marzano outlined the strategic and scientific relevance of AdriaMORE for the Adriatic Sea, with a focus on the relevance of European Territorial Cooperation for EU regions, and wished the partners a profitable future collaboration.

of European Territorial Cooperation for EU regions, and wished the partners a profitable future collaboration.

Afterwards, the representatives of the project partners took the floor and outlined their role in the project, while the Project Officer of the Italy-Croatia Program, Ms Diana Petrovic, described the relevance of the Italy-Croatia program and the important contribution to the Adriatic given by AdriaMORE.

