

# NEWSLETTER

December 2016

## The final meeting and project achievements

The final meeting of the project was held at CETEMPS premises in L'Aquila (Italy) on December, 1<sup>st</sup> 2016 and chaired by Frank S. Marzano from CETEMPS (LB), research manager and scientist responsible for the CapRadNet project.

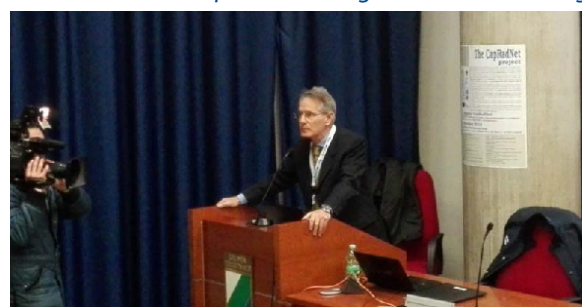
The meeting was followed by a public conference to explain the project aims to local and national authorities held on December 2<sup>nd</sup> 2016 from 9.00 to 13.30 in Palazzo I. Silone in L'Aquila.

The CapRadNet project aims to capitalise and exploit the achievements of the other projects fully implemented under the IPA Programme, such as ADRIARadNet, CAPS2 and RoofOfRock covering specific issues in maritime, coastal, airport and metropolitan environments whose common denominator are hydrometeorological hazards.

For that purpose, several activities have been carried out: feasibility studies, the installation of a new radar, a pilot action on a building, the realisation of a landslide prediction system and a susceptibility map as well as an updated web platform including oceanographic data. Moreover, a wider dissemination of activities and results has also been conducted through organized training schools, stakeholder workshops and public events.



*Project partners at the CETEMPS headquarters during the kick-off meeting*



*Project coordinator Frank Marzano explains the project results during the public conference*



*Managing Authority Paola Di Salvatore at the public conference*



*Group picture during the conference dinner*



## Dubrovnik project meeting

Project teams participating in the CapRadNet Project held a meeting in Dubrovnik at the beginning of October with the Dubrovnik-Neretva County as the sole Croatian project partner. This project is a type of a sequel to the successful project entitled ADRIARadNet. Its realisation in the Dubrovnik-Neretva County resulted in the installation of the first mini meteorological radar in the south Adriatic area, along with three other stations in the Italian regions of Marche and Abruzzo, and the Albanian town of Draçe.

The goal of the project is to contribute to the minimisation of the impact of adverse weather conditions on the sea and the coast, as well on the safety of traffic at the airports in the Adriatic and the Ionian region. Another goal of the CapRadNet Project is to provide accurate and thorough information to the emergency services and operational civilian protection units primarily taking into consideration the possibility of sea and coast pollution, as well as airport safety.

Ms. Marijeta Čalić, PhD, from the Institute for Marine and Coastal Research in Dubrovnik, presented the results of the Neretva and Ombla river estuary research, as habitats for a large number of plant and animal species and areas of special significance for early fish development stages. Mr. Krešo Pandžić, PhD, a Deputy Director of the Meteorological and Hydrological Service, spoke in general about the impact of hydro-meteorological phenomena on the coastal region. The representatives from both institutions are participating in the CapRadNet Project as external advisors.

The meeting participants also visited the area of the Bay of Mali Ston where they studied the possibilities of impact of adverse weather conditions on this protected section of the Dubrovnik-Neretva County waters. They also discussed different cooperation possibilities, that is, development and registration of new project ideas focused on meteorological conditions and their impact on various life segments in Southeast Europe.







## Dubrovnik Stakeholders Workshop

**The CapRadNet project was presented at a meeting with representatives of cities and municipalities from the Dubrovnik-Neretva County area and Regional Office for protection and rescue in Dubrovnik.**

The Dubrovnik-Neretva County is participating in the CapRadNet project which represents capitalization of successfully implemented projects ADRIARadNet, CAPS 2 and Roof of Rocks cofinanced by the IPA ADRIATIC CBC program.

*Activities of the CapRadNet project will be focused on using the information gathered by meteorological radars primarily for the improvement and, subsequently, development of the warning system for effects of adverse weather conditions. The research will cover otherwise active meteorological areas in the vicinity of the airports in Pescara and Dubrovnik, as well as a variety of activities aimed at protecting biodiversity in marine and coastal areas, thus unifying oceanographic data and research with the gathered meteorological and hydrological data. Expert associates on the project are members of the Croatian Meteorological and Hydrological Service and Institute for Marine and Coastal Research of the University of Dubrovnik. – said, among other things, Mr Mato Tomljanović in his presentation of the project.*

During the implementation of the project in coastal areas of Slovenia and the Italian region of Marche, a type of risk maps for meteorological phenomena will be made and risks in areas in danger of landslides will be processed, while in Bosnia and Herzegovina, in Mostar, the effects of hydrological and meteorological phenomena on building resistance will be researched on one building renovation project. In the Pescara airport area, a mini hydrological and meteorological radar will be installed. The radar will be of the same type as the one in the Dubrovnik area within the ADRIARadNet project.





*Participants at the training school held in Tirana*

## Tirana Training School

The Tirana training school was held on November 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> at the Tirana International Hotel with the aim to train on MyDewetra's functions and applications. It was tailored for the personnel of each institution involved in the CapRadNet project, both partners and associates, and also for other institutions that are not members of CapRadNet but are located in the IPA-Adriatic eligible regions.

The objective of the training school was also to provide advanced training on the multi-disciplinarily components that have to be considered in the prevention and management of hydro-geological risk forced by meteorological conditions. The training school was attended by 40 people.



*Participants during the interactive lessons*







*Rossella Lelli and Nicola Ferri from IZSAM introducing the meeting*

## **Teramo Stakeholders Workshop**

On December 7<sup>th</sup> in Teramo (Italy), the Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise "G. Caporale" (IZSAM) organised a national stakeholder meeting to present the project results.

The event was titled "The influence of environmental factors on hygienic conditions of bivalve molluscs" was aimed at involving all stakeholders in the field of bivalve control and production. A useful discussion on future joint activities under EUSAIR was held at the end of the meeting.

Stakeholder representatives from the Adriatic area attended the event, in particular competent authorities, universities, research institutes, farmers and enterprises. Experts on aquaculture sector were also invited to analyse the state-of-the-art methods and all possible initiatives to progress beyond it.



*CapRadNet project coordinator Frank Marzano explains the project aims and results*



*Participants at the stakeholders workshop held in Teramo*



*Final Conference in Mostar,  
Hercegovina-Neretva Canton,  
Bosnia and Herzegovina*

## Mostar Stakeholders Workshop

The final conference for the IPA CapRadNet project "Risk mitigation and risk management in marine and coastal areas, airports and cities of the Adriatic-Ionian region" was held at the Faculty of Humanities University of Mostar. The project is aimed at expanding the options of DDS for risk mitigation, taking into consideration the sea, coastal areas, airports and cities.

The Dean of the Faculty of Humanities, Prof. Zoran Tomić, PhD, expressed his delight that the conference was held at the Faculty of Humanities because it has its practical significance. *"I am very confident that the future of this region and our University will not be possible in the long run without EU projects and relying on our partners"*, said Dean Tomić.

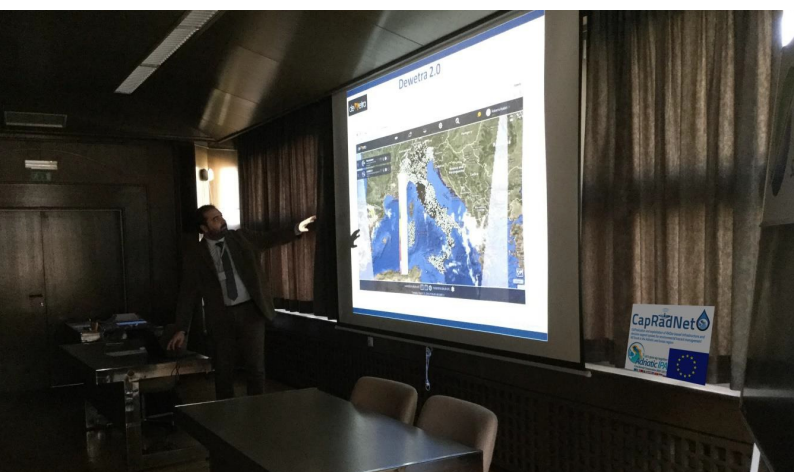
The aim of the CapRadNet project is to capitalize and exploit the main achievements of the ADRIARadNet project and thus contribute to the implementation of certain EU Strategy measures.

*"The government will make additional efforts to enable promotion of our economic, cultural, natural and other resources through cross-border and inter-regional cooperation and joint participation in projects"*, said the President of the Hercegovina-Neretva Canton, Prof. Nevenko Herceg, PhD.



*President of Hercegovina-Neretva  
Canton, Nevenko Herceg at the  
Final Conference in Mostar.*





*CapRadNet stakeholders workshop in Ljubljana, Slovenia.*



## Ljubljana Stakeholders Workshop

The topic of the meeting focused on the integration of relevant data for risk management which significantly increase the value of available information and the level of knowledge of forecasters and disaster managers. The following was discussed:

- (1)** State-of-the-art meteorological products in Slovenia and Croatia and their integration into the landslide and flood prediction models which can be used daily by Civil Agencies for protection of people and their properties;
- (2)** Example of a real-time integrated system for hydro-meteorological and wildfire risk forecasting, monitoring and prevention: "MyDewetra platform". The system is based on the rapid availability of different data, which help establish up-to-date and reliable risk scenarios;
- (3)** Landslide and flood prediction models in Slovenia and Croatia;
- (4)** Structure of the Slovenian Administration for Civil Protection and Disaster Relief, its responsibilities and possible usage of prediction models in intervention actions.

The local stakeholder meeting offered a networking opportunity for various competent and research authorities in risk management at the (inter)national level as well as at the municipality level. Involved authorities have received a positive response regarding presented forecasting systems and prediction models. The importance of good interaction between different institutions and stakeholders, the importance of creating more accurate spatial and temporal products that can be further used for prediction of natural disasters, mainly related with precipitation were emphasized during the discussion.

The meeting was organized at the Geological Survey of Slovenia in Ljubljana.

**Acronym:** CapRadNet

**Title:** CAPitalization and exploitation of RADar-based infrastructure and decision support system for environmental hazard management NETwork in the Adriatic and Ionian region

**Lead Partner:** CETEMPS University of L'Aquila

**Project Code:** 1° TCE/007/

**Total budget:** 1,180,000.00 €

**Start Date:** April 2016

**Duration:** 8 months

**Website:** <http://cetemps.aquila.infn.it/capradnet/>



Programme co-funded by the EUROPEAN UNION.  
Instrument for Pre-Accession Assistance

# CapRadNet

*CAPitalization and exploitation of RADar-based infrastructure and decision support system for environmental hazard management NETwork in the Adriatic and Ionian region*

The project is co-funded by the European Union, Instrument for Pre-Accession Assistance (IPA). The IPA Adriatic Cross-border Cooperation Programme is the result of joint programming work carried out by the relevant participating countries and is part of the cooperation process in the Adriatic area. The Programme draws its strength and incisiveness from the wide experience, gained during the previous Programme period producing concrete results from the studies and analysis financed in the past. More information in <http://www.ipadriaticbc.eu/>

*Published articles are the sole responsibility of the Dubrovnik and Neretva Region and not in any way an official position of the European Union.*