ADRIARadNet is the name of the project, positively evaluated by IPA Adriatic Cross-Border Cooperation Programme.

PROJECT IDENTIFICATION

Acronym:	ADRIARadNet
Code:	2°ord./0231
Funding line:	Priority 3 Measure 3.3
Lead beneficiary:	CETEMPS
Starting date:	October 2012
Project length:	24 months
Total budget:	2.811.000,00 €
Contact:	Prof. Frank S. Marzano
	fsmarzano@ieee.org

Website: *http://cetemps.aquila.infn.it/adriaradnet/*

FUNDING

The project is cofunded by the European Union, Instrument for Pre-Accession Assistance (IPA)
http://www.adriaticipacbc.org/

PARTNERS

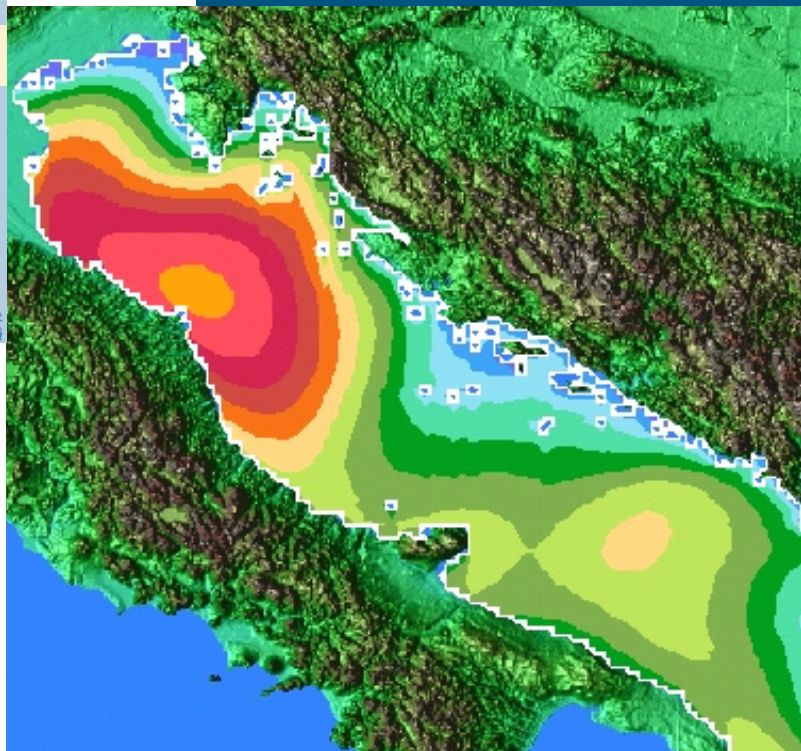
CETEMPS University of L'Aquila (Italy)
Abruzzo Region, Civil Protection (Italy)
Marche Region, Civil Protection (Italy)
Branch of CIMA Research Found. (Albania)
Institute of Geosciences IGEWE (Albania)
Ministry of Interior, Civil Emergence (Albania)
Dubrovnik Neretva County (Croatia)
Beep Innovation Srl (Italy)

REGIONE ABRUZZO

ADRIARadNet
ADRIAtic Integrated RADar based and web oriented information system NETwork

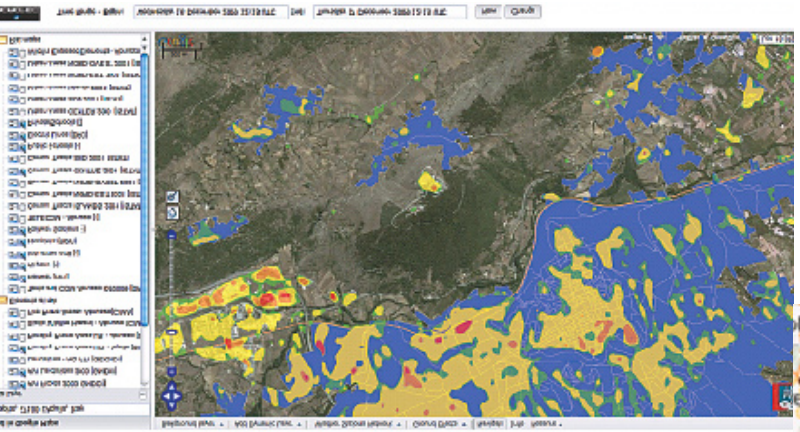
The ADRIARadNet project

ADRIAtic integrated RADar-based and web-oriented information processing system NETwork to support hydro-meteorological monitoring and civil protection decision



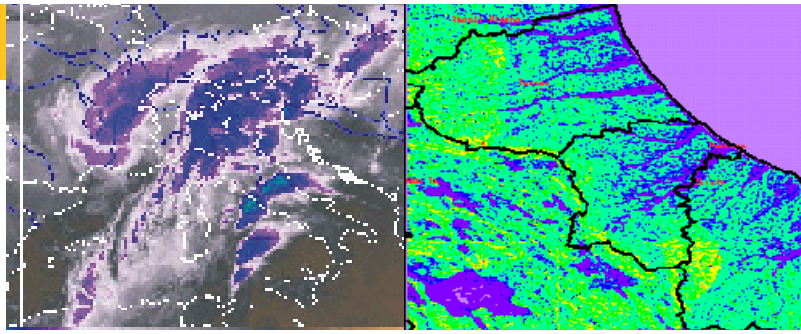
MOTIVATION

Information and communication technology (ICT) has proved to be an essential tool to develop and finalize applications of public usefulness due to its capability to handle **complex scenarios and integrate inhomogeneous components**. In this respect **hydro-meteorological hazards**, like convective outbreaks affecting the **Adriatic areas** represent a dramatic threat which needs to be faced by resorting to robust data measuring and processing ICT infrastructures.



OBJECTIVES

ADRIARadNet objective is to set up an integrated **web-based scalable-flexible-interoperable ICT infrastructure**, based on a network of **low-cost weather radars and satellite data** to be integrated with **web-oriented geographic information systems**, regionally-tuned **numerical prediction models** and **decision-support systems** for civil prevention and protection within the Central and Southern Adriatic regions. In summary the ADRIARadNet project aims at covering the "**last mile**" between hydro-meteorological community and regional governments which are in charge of **civil prevention and protection**.



ADRIATIC FIELD TEST

Two pilot areas (Marche/Abruzzo regions and Croatia/Albania territories) are identified as test-bed where experimenting the integrated ADRIARadNet decision support system and automatic procedures in support to civil protection agencies. In these areas **low-cost radar-based infrastructures** will be installed and integrated with existing precipitation sensor networks in order to be exploited within the ADRIARadNet project aims.