

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

***Project Code 1• TCE/007***

***Tiranë, 20 July, 2016 - Stakeholder Workshop***

**“Innovation for Early Warning Systems”**

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Date July 20, 2016

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Authors Miranda Deda, Anduela Kaja, Luca Mollini, Marco Massabo

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Recipients All meeting participants.

See project web site at <http://cetemps.aquila.infn.it/capradnet/>, where further info can be found as an example meeting presentations, photos and videos.

## Content

1. Introduction
2. List of participant
3. List of materials prepared for the WS
4. Summary of the WS
5. Conclusions
6. Annex 1. Agenda (English draft)<sup>1</sup>  
Annex 2. Invitation (English version)  
Annex 3. List of participants

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<sup>1</sup> The Agenda has been subject to little changes depending on the circumstances.

## 1. Introduction

CapRadNet project is co-funded by the IPA Adriatic CBC Programme 2007-2013 and brings together 7 partners and 4 associates from Italy, Croatia, Slovenia, Albania and Bosnia-Herzegovina (see *annex I*). It aims at capitalizing and exploiting the main achievements of the ADRIARadNet project (already financed under IPA Programme) contributing to the implementation of some actions of the EU Strategy for the Adriatic-Ionian Region (EUSAIR) Pillars. CapRadNet takes into account also the experiences and some results of other financed IPA projects, such as CAPS2 and RoofOfRock covering some issues whose common denominator is the hydrometeorological hazard.

The stakeholders' workshop "Innovation for Early Warning Systems" was organized in cooperation between CIMA Research Foundation, General Directorate of Civil Emergencies of the Ministry of Interior in Albania and the Institute of Geoscience, Energy, Water and Environment of the Polytechnic University of Tirana. It was followed by a site visit at National Centre for Hazard Monitoring, at IGEWE where was demonstrated the installation of ACRONET – open hardware station.

## 2. List of participants to the WS



Figure 1. The participants at stakeholder workshop of Tirana, 20 July 2016

The workshop was attended by twenty-four participants as follow:

- Luca Ferraris, Marco Massabò, Davide Miozzo, Cosimo Versace, Miranda Deda, Anduela Kaja and Emanuela Toto from CIMA (FB1);
- Frank S. Marzano, from CETEMPS (LB);
- Shemsi Prençi, Xhuvanaq Gjylahmeti, Qerim Hoshi, Maksimilian Dhima and Silvana Jakaj form General Directorate of Civil Emergencies, Ministry of Internal Affairs, Albania.
- Arben Mullaj and Fatmir Qaniu, Armed Forces, Ministry of Defence, Albania.
- Paolo Galliadi and Ridja Qoku form Italian Cooperation in Albania;
- Marsel Veli from Technical Secretariat of National Council of Water, Albania.
- Zilie Feçi from Qendra e Vullnetareve te Emergjencave Civile (Volunteer Center of Civile Emergencies), Albania
- Luka Vidak from Dubrovnik-Neretva County, Croatia (FB3)
- Mateja Jemec Auflić from Geological Survey of Slovenia (FB5);
- Francesco Iocca from Marche Region (AS2).
- Klodian Zaimi and Orjeta Jaupaj for IGEWE, Albania.

### **3. List of materials prepared for the WS**

The documents prepared regarding the Albanian stakeholder workshop it was:

- Invitation in English and Albanian;
- Agenda in English and Albanian;
- brochure in Albanian;
- There was prepared also a press release in Albanian for the media and a short summary of the event in English to be published at CIMA website.

All this documents will be attached of this report.

#### 4. Summary of the WS

The welcome speech was held by General Director of Albanian Civil Protection Mr. Shemsi Prençi and the Vice/President of CIMA Research Foundation Mr. Luca Ferraris.

The workshop it was organized in different parts, according to the different parts of Innovation systems their new development in the Early warning Systems.

The first part of the workshop it was dedicated the: ***Innovation in procedures, legal and institutional setup*** with the presentations as follow:

- Role and mandate of the Albanian Civil Protection system, operational procedures and Early Warning - Maksimiljan Dhima
- National forecasting System in Albania - Orjeta Jaupaj
- Role and Responsibility of Civil Protection Institutions in the Italian Early Warning System - Davide Miozzo
- Examples of Early Warnings Systems in South East Europe: Croatia - Luka Vidak

After a short coffee break and a group photo the workshop (figure 1) continues with the second part: ***Technological Innovation for the Early Warning System*** with the presentations as follow:

- CapRadNet project and their applications for meteo-hydrological forecast - Project Presentation - Frank Marzano
- Monitoring and forecasting weather extremes: the experience of Regione Marche – Francesco Iocca
- Landslide hazard forecast in Slovenia - Mateja Jemec – Auflič
- The technological Platform DEWETRANet – Miranda Deda
- Open hardware solution for environmental monitoring ACRONET – Cosimo Versace

**All the presentations, both first and second part, were followed by a discussion.**

At the end of this session, Marco Massabo made the conclusions of the so far event.

There was organized also a lunch and after the lunch all the participants were transferred at Institute of Geosciences, Energy, Water and Environment (IGEWE) where has continued the third part of workshop with the ***Demonstration of the installation of ACRONET station*** in the roof of the institution, by Cosimo Versace, represented in the figure 2.



Figure 2. The installation of ACRONET station, at IGEWE, Tirana.



Figure 3. The monitoring of ACRONET data transmission on the web, inside the National Center for Forecast and Monitoring of Natural risks, IGEWE,





Figure 4. Participants at the National Center for Forecast and Monitoring of Natural risks, IGEWE,

## 5. Conclusions

The Stakeholder meeting in Tirana it was organized by CIMA Research Foundation Branch of Albania in close collaboration with Albanian associate partners; General Directorate of Civile Emergencies – Ministry of Internal Affairs, and the Institute of Geosciences, Energy, Water and Environment, also with the participation of all the other partners of the project.

During this meeting it was discusses some of more important issues of the project, but also the problems that affecting the project development by all the partners. The most important conclusion:

1. The installation of the My DEWETRA portal at regional level.
2. The installation of new nodes of the system, for Slovenia and Bosgnia and Herzegovina
3. the integration of all the data provided by different institutions for each country inside the new platform
4. The innovation in procedures, legal and institutional setup

## Annexes

### 1. Agenda(English)

# Innovation for Early Warning Systems

## Stakeholders Workshop

20 July 2016

***Tirana International Hotel***  
***Scanderbeg Square, Tirana - Albania***

|               |   |
|---------------|---|
| 9:00 -9:30    | <b>Registration</b>   |
| 9:30 – 9:45   | <b>Welcome and Opening</b>  |
|               | <b>Shemsi Prençi</b> - General Director of General Directorate of Civil Emergencies – Ministry of Internal Affairs  |
|               | <b>Fatos Hoxhaj</b> – Director of Institute of Geoscience Energy Water and Environment  |
|               | <b>Luca Ferraris</b> – CIMA Research Foundation   |
| 9:45 – 11:00  | <b>Innovation in procedures, legal and institutional setup</b>  |
|               | Role and mandate of the Albanian Civil Protection system, operational procedures and Early Warning– <b>Maksimiljan Dhima</b> – General Directorate of Civil Emergency |
|               | National forecasting System in Albania – <b>Orjeta Jaupaj</b> – Institute of Geoscience, Energy, Water and Environment  |
|               | Role and Responsibility of Civil Protection Institutions in the Italian Early Warning System – <b>Davide Miozzo</b> - CIMA Research Foundation                        |
|               | Examples of Early Warnings Systems in South East Europe: Croatia - <b>Luka Vidak</b> - Dubrovnik and Neretva County, Croatia  |
| 11:00 – 11:20 | <b>Coffee Break</b> and Group Photo   |
| 11:20 – 13:30 | <b>Technological Innovation for Early Warning System</b>  |
|               | CapRadNet project and their applications for meteo-hydrological forecast - Project Presentation – <b>Frank Marzano</b> – CETEMPS, Italy                               |
|               | Monitoring and forecasting weather extremes: the experience of Regione  |



|               |  |
|---------------|--|
|               | Marche - <b>Francesco Iocca</b> Marche Region Italy  |
|               | Landslide hazard forecast in Slovenia - <b>Mateja Jemec – Auflič</b> - Geological Survey of Slovenia       |
|               | The technological Platform DEWETRANet – <b>Miranda Deda</b> – CIMA Branch Albania                          |
|               | Open hardware solution for environmental monitoring ACRONET – <b>Cosimo Versace</b> - Acrotec s.r.l        |
|               | <b>Conclusions</b> Moderator: Marco Massabò  |
| 13:30 – 14:30 | <b>Lunch</b>   |
| 14:30 – 15:00 | <b>Transfer to IGEWE</b><br><br>(transfer is organized by CapRadNet project)                               |
| 15:00 – 16:00 | Demonstration of the installation of ACRONET open hardware station – <b>Cosimo Versace</b> - Acrotec s.r.l |



8 July 2016

Dear Mr./Mrs. Colleagues

In the framework of the action program of the project CapRadNet, CIMA Research Foundation, General Directorate of Civil Emergencies - Ministry of Internal Affairs and Institute of Geoscience, Energy, Water and Environment of the Polytechnic University of Tirana, are pleased to invite you to attend the **"Innovation for Early Warning Systems"**, Stakeholders workshop on July 20<sup>th</sup>, 2016, 9:00 am, at Tirana International Hotel, Albania.

The workshop will focus on:

*Innovation in procedures, legal and institutional setup*

- Standard National Procedures of National Operational Center of Albanian Civil Protection
- Role and Responsibility of Civil Protection Institutions in the Early Warning System

*Technological Innovation for Early Warning System*

- TCapRadNet project and their applications for meteo-hydrological forecast
- The technological Platform DEWETRA Net
- Operational Monitoring and forecasting system in Albania
- Open hardware solution for environmental monitoring ACRONET

The workshop will be followed by a site visit at National Centre for Forecast and Monitoring of Natural Risks at the Institute of Geoscience, Energy, Water and Environment where it will be presented the installation of ACRONET weather station.

We have enclosed the Agenda of the workshop and a summary table of the project for your orientation.

Thanks you for your consideration!

**DIRECTOR GENERAL OF CIVIL EMERGENCIES**

**SHEMSI PRENÇI**

*[Signature]*





## Project Identification

|                       |  |
|-----------------------|--|
| <b>Acronym:</b>       | CapRadNet  |
| <b>Title:</b>         | CAPitalization and exploitation of RADar-based infrastructure and decision support system for environmental hazard management NETWORK in the Adriatic and Ionian region  |
| <b>Lead Partner:</b>  | CETEMPS<br>CETEMPS University of L'Aquila (Italy)<br>Branch of CIMA Research Found. (Albania)<br>Abruzzo Region, Civil Protection (Italy)<br>Dubrovnik Neretva County (Croatia)<br>Experimental Zooprophyllactic Institute (Italy)   |
| <b>Beneficiaries:</b> | Geological Survey of Slovenia (Slovenia)<br>Office of the Prime Minister of Government (Bosnia-Herzegovina)<br>Marche Region, Civil Protection (Italy)<br>National Research Council of Italy (Italy)<br>Institute of Geosciences IGWE (Albania)<br>Ministry of Interior, Civil Emergence (Albania) |
| <b>Code:</b>          | 1° TCE/017/  |
| <b>Total budget:</b>  | 1.180.000,00 €   |
| <b>Starting date:</b> | April 2016   |
| <b>Duration:</b>      | 8 months   |
| <b>Web site:</b>      | cetemps.aquila.infn.it/capradnet   |





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



## Innovation for Early Warning Systems

Stakeholders Workshop  
20 July 2016

Tirana International Hotel  
Scanderbeg Square, Tirana - Albania

### List of participants

| Nr | Name, Surname   | Institution                   | email                              | Signature   |
|----|-----------------|-------------------------------|------------------------------------|-------------|
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|----|--------------------------|-------------------|---|-------------|
| 14 | Silvana Jokaj            | GDCE              | jokajsilvana90@gmail.com                | Silvana     |
| 15 | Miranda Dedo             | CIMA              | miranda.dedo@cinpa-fondazione.org       | Miranda     |
| 16 | Frank Merzano            | CETEMPS, Italy    | fmerzano@ceps.it                        | Frank       |
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