

AlpSAR

**ALPINE SEARCH AND
RESCUE**

**Cross border cooperation in mountain
rescue, Alpine Search and Rescue for
Slovenia and Italy**

PSCE Conference Rome 28-29 november 2011

The Alpsar project is cofounded by Civil Protection financial instrument

UPRAVA
REPUBLIKE
SLOVENIJE



ZA ZAŠČITO IN REŠEVANJE




HTEC
LUXEMBOURG

TRANSBORDER AREA




EXISTING PROTOCOL



- On January 18th, 2006 the Republic of Slovenia and FRIULI VENEZIA GIULIA Region (FVG) signed a protocol regarding the cooperation between the civil protection services of both countries. One issue that was addressed in this protocol is the cooperation between the Mountain Rescue services of both countries at the common border in the Alps.
 - The main objectives of the proposed project are:
 - Implementation of the collaboration between both Slovene and PCRAFVG Mountain rescue services according to the signed Protocol to improve the national and international coordination of search missions caused by avalanches or missing or injured people in the Alpine mountains or Karst area
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TRANSBORDER PROTOCOL: PRINCIPAL TOPICS



- **Forecasting, prevention of natural disasters and information exchange (art. 3);**
 - **Connection between the operational centers (art.4);**
 - **Notification to the civil protection authorities (art.5);**
 - **Exchange of knowledge and common training (art.6);**
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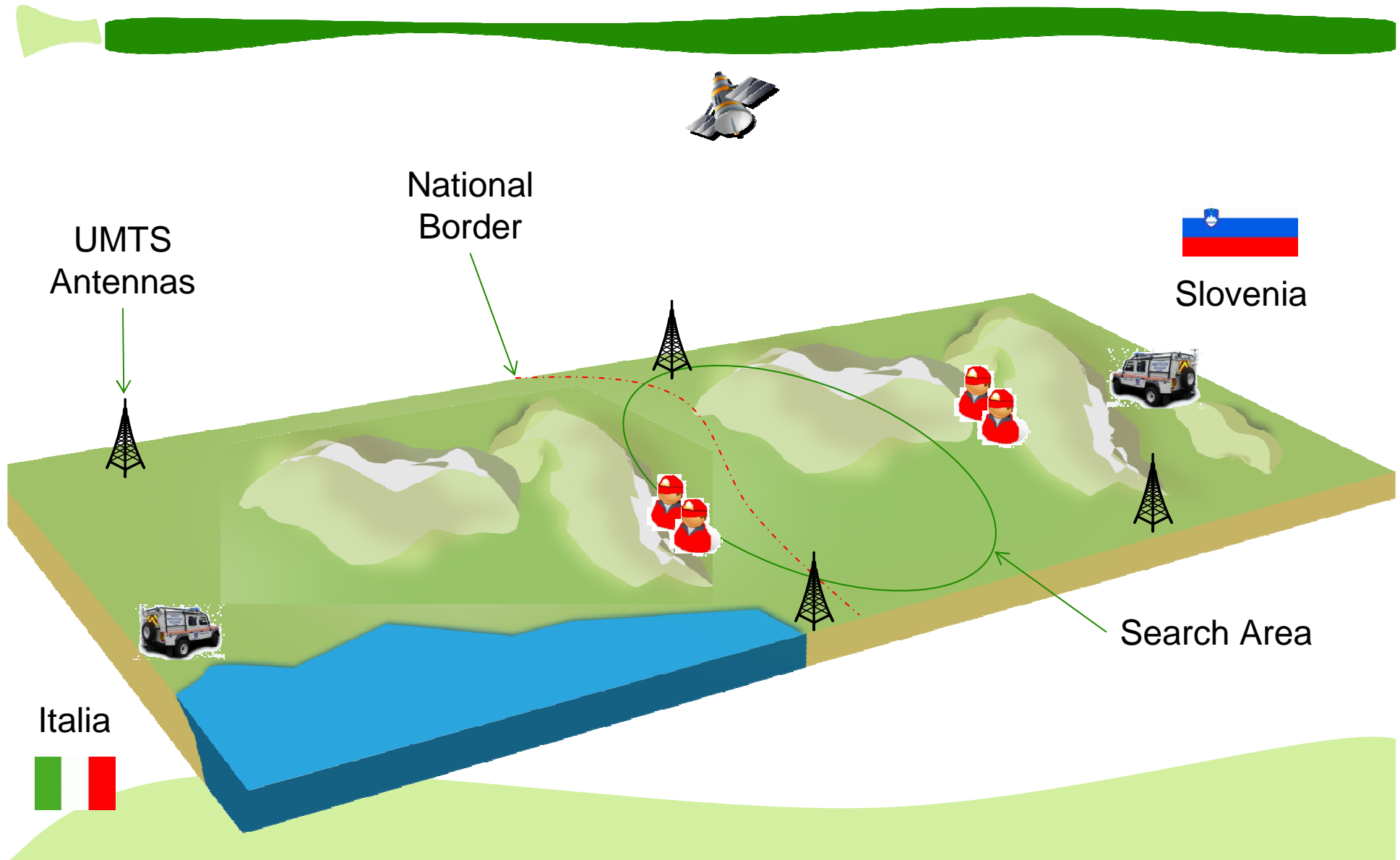
ALPSAR IN SHORT

- Theme: Preparedness / Improve the effectiveness of emergency response by enhancing the preparedness and awareness of civil protection professionals and volunteers
- Three partners:
 - HITEC Luxembourg S.A.
Coordinating beneficiary
 - Administration of the Republic of Slovenia for Civil Protection and Disaster Relief (URSZR)
Associated beneficiary
 - Protezione civile della Regione Autonoma Friuli Venezia Giulia (PCRAFVG)
Associated beneficiary

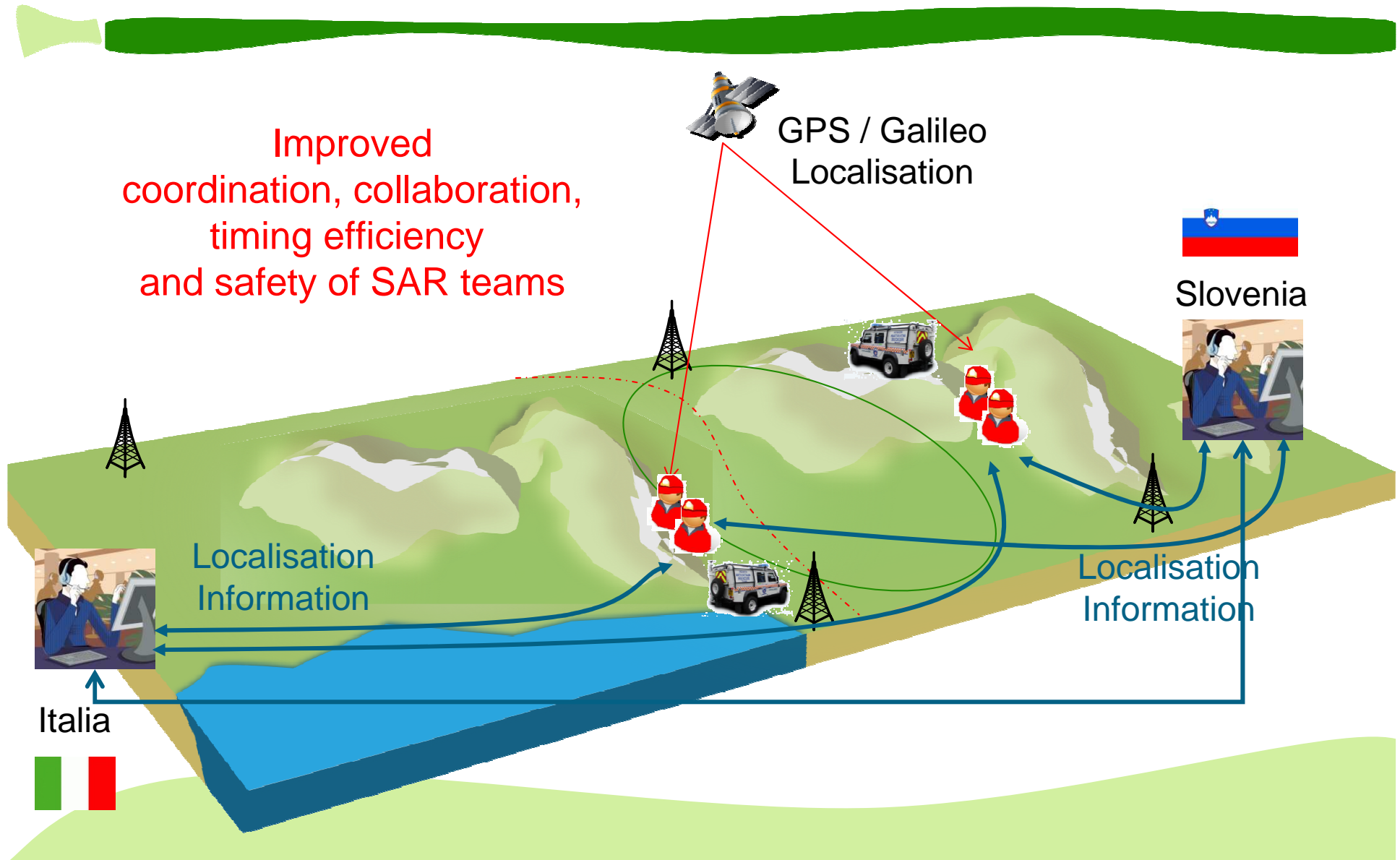
PROJECT OBJECTIVES

- **Improve the effectiveness of emergency response** by:
 - **Implementing the agreement** between both Slovene and PCRAFVG Mountain Rescue Services to improve coordination
 - Provide a full and common tracking system including 2D and 3D visualisation
 - **Improve the situation awareness** of both tactical and coordination teams by sharing mission based information via:
 - The deployment of mobile application for the teams on site
 - The deployment of web-based tools for the coordination entities
 - The services offered will be picture, maps and location based information in complement with the existing voice communication
 - **Increase the safety** of the Search and Rescue teams in missions

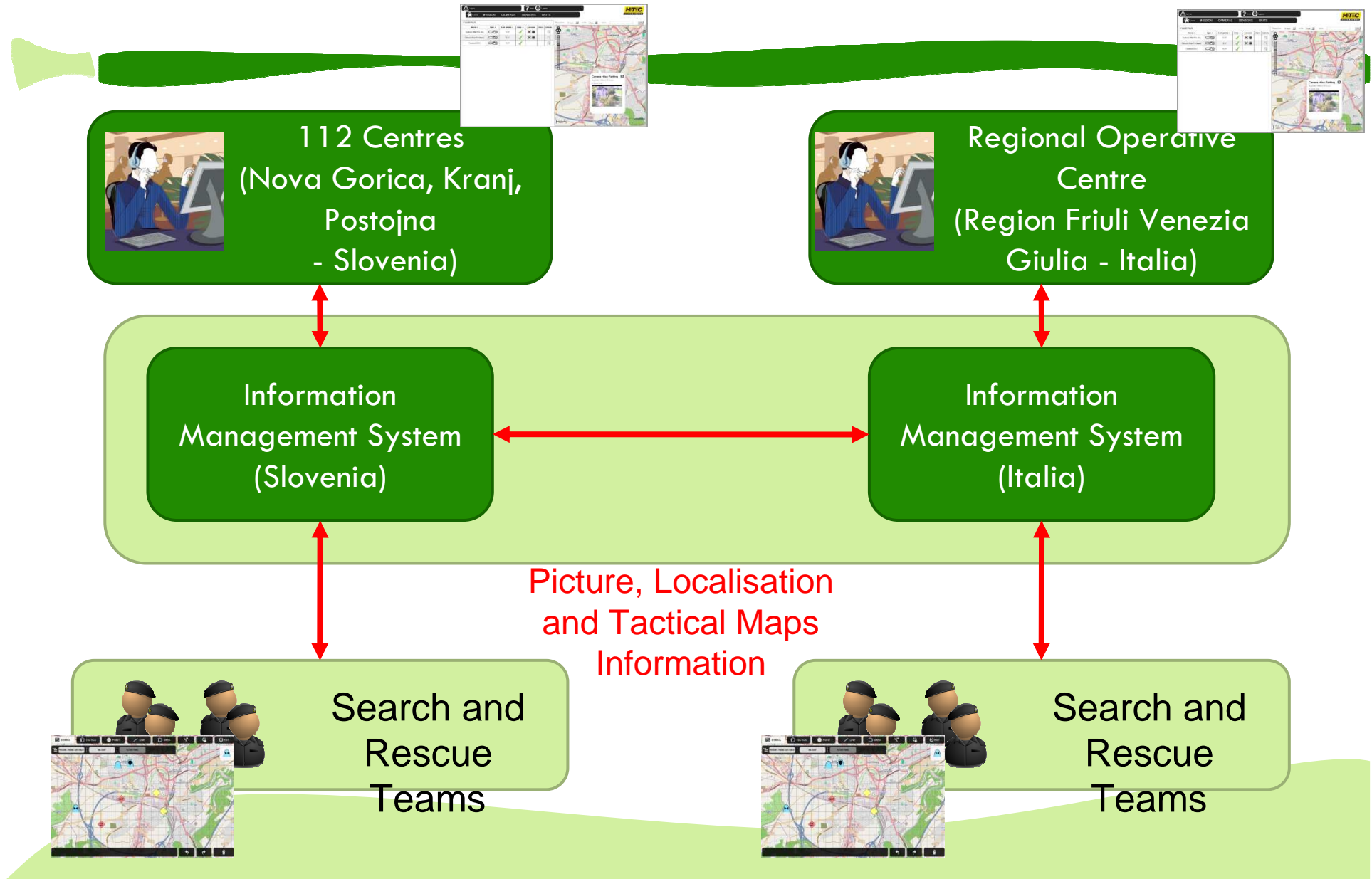
TYPICAL SCENARIO



TYPICAL SCENARIO



GENERAL ARCHITECTURE



PHASES

1. Common Cooperative Procedure Definition

- Analyse of the existing procedures and processes in Slovene Mountain Rescue Services and PCRAVFG
- Adaptation of the procedure to match with the new capabilities of the tools

2. Adaptation and integration of the tool set

- The different network and software tools will be adapted to comply with the updated procedures requirements
- Several validation workshops will be organised to validate the adaptation process

3. Field Trial


- The tool set will be installed on servers in Slovenia and Italy with synchronisation mechanisms
- Trainings for selected Search and Rescue teams will be organised
- Several real trials will be organised and concluded by a workshop
- Final adaptation of the procedures and tool set will be realised

4. Start the productive use

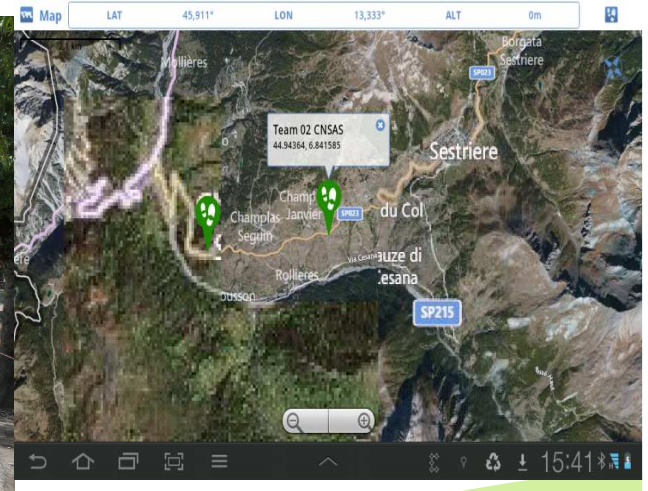
- The deployment equipments and services will be use in the day to day operations

PROJECT FOLLOW-UP



- At the end of the project the procedures and the tools defined and deployed will be extended to additional Search and Rescue teams
 - New training activities will be organised to extend the use of the solution
 - A specific dissemination event with a public demonstration of an international search and rescue mission will be organised.
 - Presentation to complementary dissemination events will be done in order to spread the experience won during the project.
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State of Art – on site test



Conclusions

The success of a civil protection intervention depends on fastness and efficiency.

The first depends on communication/coordination activities, and the second on the experience and training of the rescuers.

- Many emergencies have exposed shortfalls in the availability of telecommunications capacity, so terrestrial communication could be unavailable during the rescue mission.
- In a SAR missions as after an earthquake or in an Alpine rescue mission, the establishment of telecommunications links with coverage and capacity of signal guaranteed are fundamental.
- The AlpSAR tools are very simple and adaptable and after a short training the teams are able to use it and permit to share between the different actors, at local and cross national level, a common and coordinated vision of the interventions.
- Easy to use and cost efficient



The emergencies haven't borders

Thanks for the attention!

www.alpsar.eu

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