









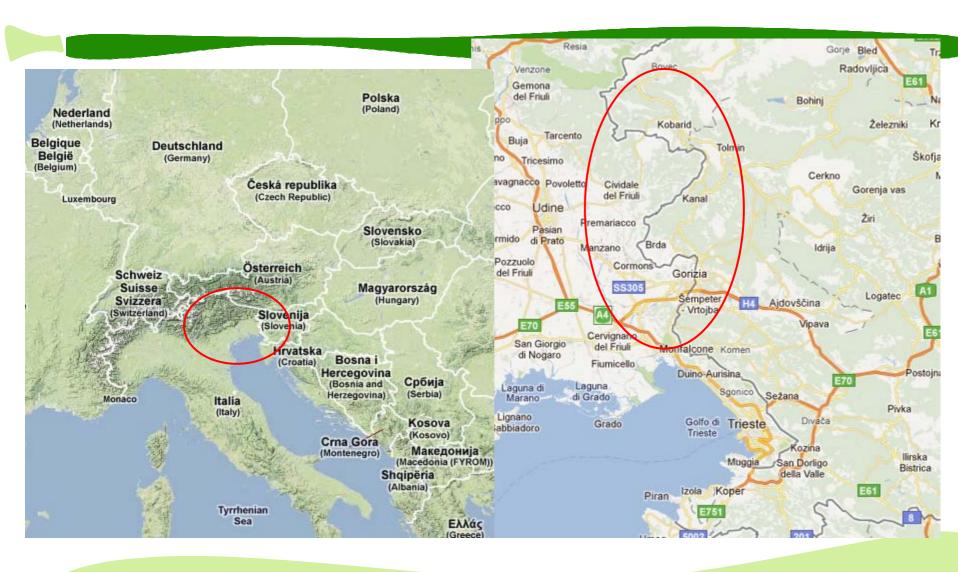


ALPINE SEARCH AND
RESCUE FOR SLOVENIA AND
ITALY

ALPSAR

- □ ALPINE SEARCH and RESCUE
- Improve the cooperation between Mountain Rescue Services of Slovenia and Italy in the case of incidents near the border
- Improve the situational awareness during the missions
- Increase the safety for the rescuers

ALPSAR IN SHORT



ALPSAR

- □ Current Situation
- Cooperation between Mountain Rescue services is based on personal relationship between the services
- □ A protocol from January 18th, 2006

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.

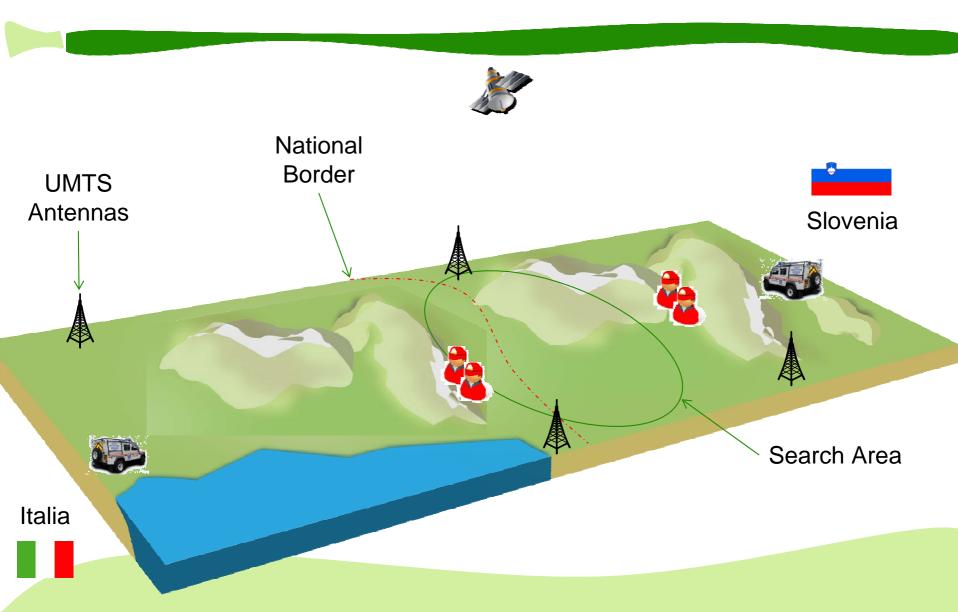
ALPSAR IN SHORT

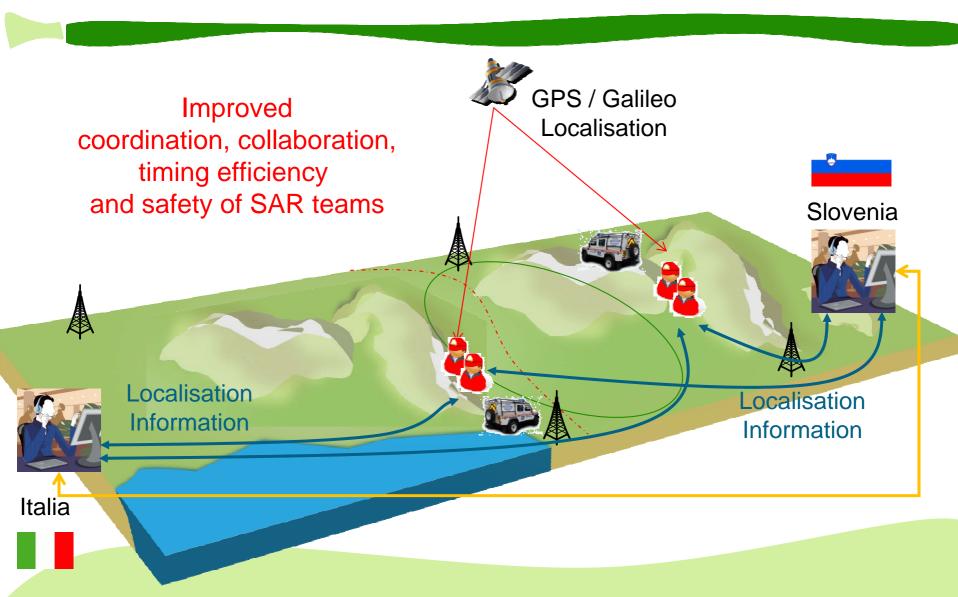
- □ EC Civil Protection Project
- Theme: Preparedness / Improve the effectiveness of emergency response by enhancing the preparedness and awareness of civil protection professionals and volunteers
- Duration: 24 Months, Official Start: January , 2011
- Three partners:
 - HITEC Luxembourg S.A.Coordinating 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

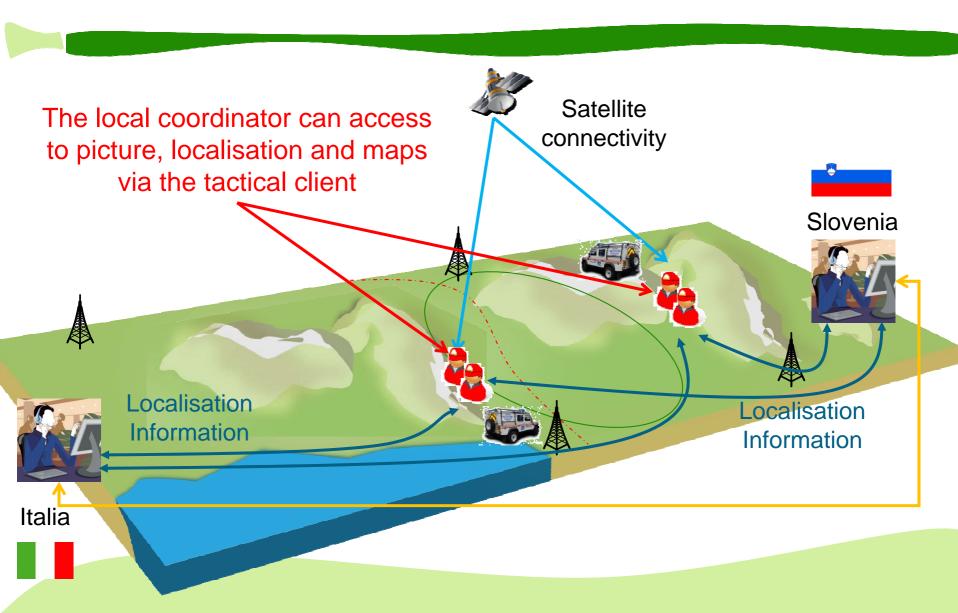
PROJECT OBJECTIVES

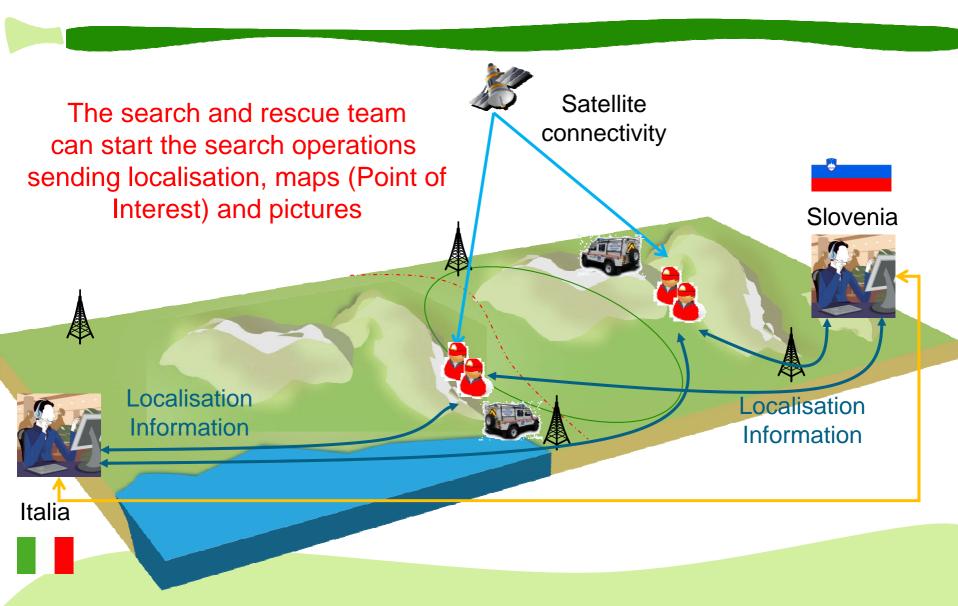
visualisation

- Improve the effectiveness of emergency response by:
 Implementing the Protocol between both Slovene and PCRAFVG Mountain Rescue Services to improve coordination
 Provide a full and common tracking system including 2D and 3D
 - □ **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 Recue teams in missions

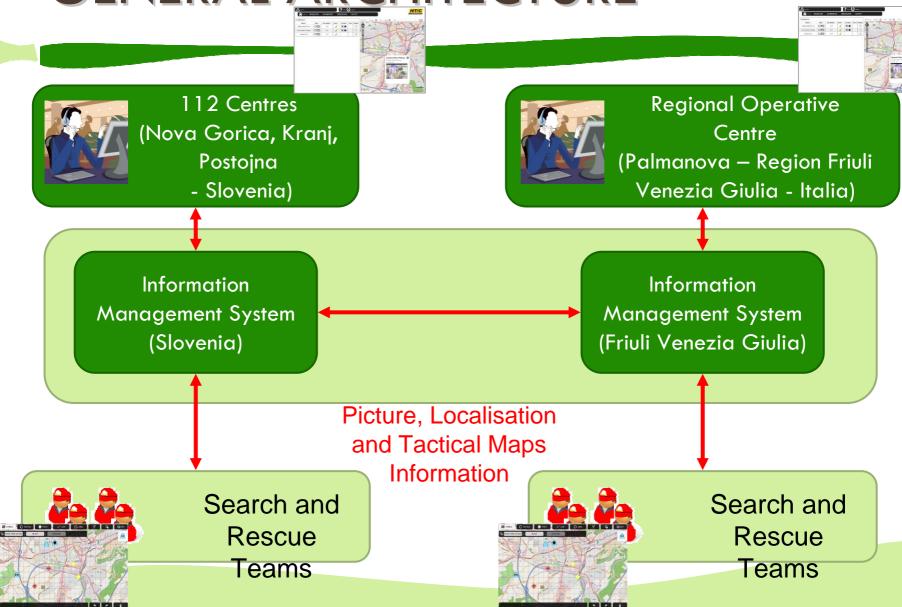








GENERAL ARCHITECTURE



THE SERVICES

- □ For the Search and Rescue team:
 - Capability to send pictures
 - Capability to send localisation
 - Capability to participate in the creation of tactical maps having some third party information (like avalanche warning)
 - Capability to follow the other members of the team
 - Synchronous and asynchronous data transmission
 (important for the places where there is no GPRS/UMTS coverage)

THE SERVICES

- □ For the team coordinator:
 - Capability to view pictures
 - Capability to view the localisation and the history
 - Capability to participate in the creation of tactical maps having some third party information (like avalanche warning)
 - Capability to follow all members of the team
 - Nomadic Satellite connectivity

THE SERVICES

- □ 112 centre or Operative Centre:
 - Management of the search rescue teams (taskforce)
 - Capability to view pictures
 - Capability to view the localisation and the history
 - Capability to participate in the creation of tactical maps having some third party information (like avalanche warning)
 - Capability to follow all members of the team
 - Capability to share these information between URSZR and PCRAFVG

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. Implementation, 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 used in the day to day operations

CONCLUSION

- New data collaboration tools and data communication will allow a better coordination between the mountain rescue service of Slovenia and Italy in the Alps.
- The situational awareness of the team leader is increased. This allows a better coordination of the missions.
- □ The tools are designed to be as easy to use as possible.













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