



**RESCUER**  
NEWSLETTER # 2

# IN THIS ISSUE

## 03 **INTRO**

LIVE MY LIFE & GA meeting  
Modane

04 Mountain Pilot Coordination  
meeting Madrid

1st Field trial Chalkidiki

## 05 **NEWS & UPDATES**



*RESCUER aims to design and develop a First-Responder-centered technology toolkit that will empower the next-generation of First Responders (FR) by enhancing their operational capacity and safety, specifically in adverse conditions, both environmental and infrastructure-wise. Having completed the first year of the project, the technical partners and the end users are working closely on identifying use cases that will demonstrate the potential and importance of RESCUER technologies in empowering the next generation Emergency Responders. In this context, a series of events and field trials organised at pilot sites have taken place.*



### LIVE MY LIFE & GA meeting Modane: 16-18 May 2022

From 16th to 18th of May 2022, the SDIS welcomed its European partners to the exceptional site of Modane, to take stock of the milestones reached and those to come for the project, but also to strengthen the ties of the team.

During the first two days, the technical partners were immersed in situations designed to familiarize them with the work of FRs. During the sessions entitled “Live my life”, using scenarios to envisage the actions, responsibilities and expectations of the FRs, the technical partners were invited to practically wear and use the equipment of FRs. The participants worked on the tunnel scenario, supported by the host organization SDIS 73 which has a state-of-the-art tunnel team.

The participants had the opportunity to:

- Visit to the Modane rescue center and discover the fire-fighting equipment;
- Test the personal protective equipment and masks during a walk in the exercise tower, then in a smoky tunnel;
- Visit tunnels that will be used to test the equipment developed during the project;
- Contribute on the beginning of the drafting of the “Tunnel use case”.



*Dear reader,*

*This is the second issue of the RESCUER project's newsletter.*

*We are pleased to welcome you and introduce you the RESCUER project.*

*Follow us for more news and updates about RESCUER*



@H2020Rescuer



@h2020\_rescuer



@h2020\_rescuer





Thanks to this program, the technical partners have been able to refine their understanding of the FRs' needs and the specificities relating to the tunnel risk (weight of equipment, stress, difficulties in taking information, etc.), as well as to observe that part of the technological bricks that they wish to integrate into the personal protective equipment that already exist in FRs vehicles.



For the preparation of these activities, SDIS 73 mobilized its network by calling in particular on trainers of pedagogical team of Modane AFM and on specialists of tunnels intervention EITR supported, for logistics, by former firefighters members of the Fire fighters departmental association. The trainers interviewed praised the involvement of the partners during the simulations and considered the opportunity to train an audience of non-specialists to be enriching, while hoping to see the instruments developed by the project team gain in technological maturity. As guarantors of the organization of these working days, FRs also had the opportunity to test the Hololens2 and augmented reality tools developed by CS Group, as well as to suggest ways for improvement to the consortium.

### Mountain Pilot Coordination meeting Madrid: 23-25th May 2022

Between May 23 and 25, the last pilot-planning meeting was held in Navacerrada, hosted by SERMAS-SUMMA112 and GERA. 15 people, between technical partners and FRs, attended the event in which different sites in the Sierra de Guadarrama were visited to decide which were the most suitable places for testing



the RESCUER technology, guaranteeing the necessary logistics for the exercises.

During the pilot planning, several sites were visited that initially were proposed to carry out the pilot. In the area known as "Ventisquero de la Condesa", major logistical problems were detected that led to re-

thinking the locations selected to carry out the exercises. Other locations near the fire station were visited, where the Gera base is located, which were found to be more appropriate for the pilot thanks to their accessibility and proximity to the previously mentioned station. The GERA base was chosen as the most suitable place for conducting the training.



### 1<sup>st</sup> Field trial Chalkidiki: 17-19 June 2022

On the 18th of June, the first field trials of the project took place in the old quarry of Vavdos, Chalkidiki. The HRT Urban Search & Rescue Department in collaboration with project partners from CERTH and the University of West Attica conducted field trials for WP4, regarding the visual recognition of the first responders'



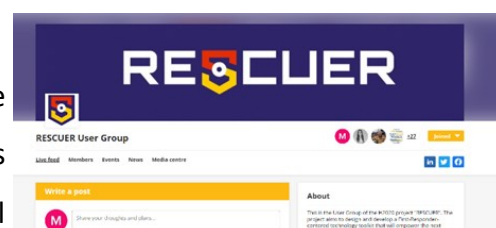
position, the radar sensing technology for detecting objects or obstacles that are potentially dangerous to the FRs, as well as the signs of life detection technology that scans for victims behind or obstacles.

The tested technologies received positive feedback from first responders that were present in the field. Both members of the HRT as well as executives of the Hellenic Fire Service expressed their interest with respect to the developed technologies and evaluated their potential use to real-life scenarios and operational environments. At the same time, first responders participated in the designation of specific radar sensors parameter values for optimal field performance.

### News & Updates

#### RESCUER on CMINE.EU

RESCUER has now its own user group on cmine.eu to keep the members informed about our activities. The dissemination team is working in spreading the word throughout all the available social media channels such as Facebook, Twitter, LinkedIn, Instagram and YouTube.



#### RESCUER joining forces with other projects researching on similar topics

With the support of the Horizon Results Booster services, RESCUER is teaming up with MED1stMR and SIXTHSENSE to spread the word on their developments and achievements throughout the implementation of the projects, and jointly disseminate their results.

