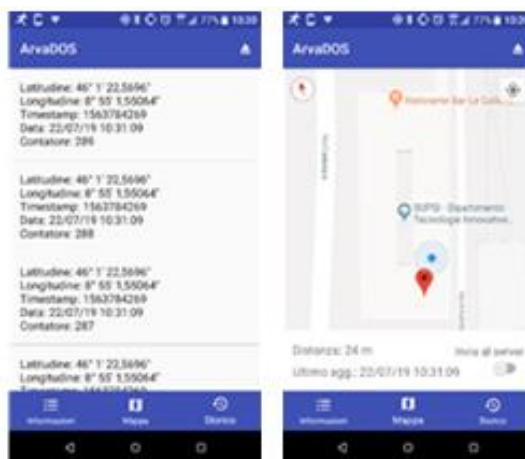


SUPSI

ARVADOS2

Industrialization of a innovative system for missing people rescue



The problem

Rescue organization face problems in finding people, especially when they operate in unfavorable circumstances (i.e. hostile weather, avalanches). A previous project conducted by ISEA and DOS Group has permitted to develop an innovative rescue device - ARVADOS - that, thanks to the use of multiple communication and location technologies, allows an easier and effective location of lost people.

The project

The aim is to enhance and industrialize the IoT based missing people rescue system ARVADOS. The device will be able to operate

with IoT long-range standards LoRa and Sigfox with the possibility to use, through Bluetooth, the cellular network. The system can also avail itself by native mobile phone connection to enhance the possibility to send or receive rescue requests.

The result

The device will automatically alert emergency services or nearby excursionists that can act as first aid rescuers in case of accidents. Users and rescuers will be empowered thanks to the new functionalities and communication capabilities permitted by smartphones through a dedicated mobile application and hardware.

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Funding agency

Innosuisse

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Research domain

5 Intelligent systems for knowledge and communication
6 Social systems and public health