NEXT-GENERATION EQUIPMENT TOOLS AND MISSION-CRITICAL STRATEGIES FOR FIRST RESPONDERS

TRAINING #1

RESPOND-A First Training session was held online

the 10th and 11th of December 2020.

Use Case: Maritime Accident in Coastal and Port Areas

The use case is based on the port of Valencia and focused on addressing maritime accidents in coastal and port areas by using RESPOND-A novel technologies adapted to port and maritime authorities protection plans. Two scenarios were played:

SCENARIO 1

Oil spill accident that occurs in the neighboring coast of the port from a vessel that crashes with port's breakwater. This scenario includes the usage of tailored technologies to improve the response capacity under a safe environment, increase the situational awareness during the accident, to support the evacuation of coast from bathers and monitoring vital and stress signals of FR.

SCENARIO 2

The second story comes from a crash of two trucks in the port area close to Valencia city producing a fire and releasing toxic gases in the affected area. This accident provokes the emanation of toxic gases that force the evacuation of the inhabitants of the surrounding neighborhoods. It also considers the usage of robots to support in the rescue and evacuation of people in danger.

The technologies tested

Tag & Trace: Vital signs monitoring of injured people to assess their health status and make a triage based on trustable data.

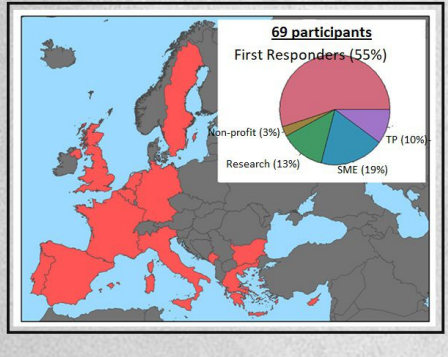
TALENT: First Responders Coordination software

DRONSTER: Remote-control robot to evacuate injured people and detect toxic gases through sensors.

SUMMIT-XL: Tele-operated inspection of the incident area through sensors and cameras.

Private mobile network to ensure First Responders communication in devastated areas.

The participants



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Respond A Project

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