Technological and Methodological Solutions for Integrated Wide Area Situation Awareness and Survivor Localisation to Support Search and Rescue (USaR) Teams
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INACHUS Concept at a glance

Initial building state

after Disaster

Real Event

Damage evaluation

satellite imagery, 3D UAV imaging, 3D UAV and ground laser scanners

Disaster Scenario

SHM sensors + cameras/IR

Simulator

Damage projection

Comparison with collapse simulation

Living victim localisation

Snake robot with sensors (radar, chemical sensor, IR camera)
Surface radar
Seismic sensor
Mobile phone detector

Airborne scanning/imagery

Victim

11th CoU, 4-7 June '18, Theme 8 – Information Exchange and Interoperability
Robots can go where humans can’t

CEN-CENELEC Workshop

`Interoperability framework for functional components of a modular search and rescue robotic platform`
Step 1: Sectorisation & Team Management
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Step 2: Work on Site using INACHUS Tools
Thank you!
Any questions?

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