

Secure Societies 2024: Horizon Europe Cluster 3 Brokerage Event in Istanbul Pitch Presentation Template

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REPUBLIC OF TÜRKİYE
MINISTRY OF INDUSTRY
AND TECHNOLOGY



Business Support on Your Doorstep



Effective interaction of National institutions and the population in disaster preparation and resolution

Contact Details

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Proposal activity:

HORIZON-CL3-2024-DRS-01-02: Open Topic

HORIZON-CL3-2024-DRS-01-03: Harmonised/Standard protocols for the implementation of alert and impact forecasting systems as well as transnational emergency management

Description of the Organization

Faculty of Safety Engineering, VSB-Technical University of Ostrava.

- With a strong focus on safety and risk management, we provide cutting-edge education and research in the fields of safety engineering, fire protection, industrial safety, occupational and process safety, technical safety and civil protection.

Current HE Projects:

- Team UP, Holistic capability and technology evaluation and co-creation framework for upskilled first responders and enhanced CBRN-E response, 101121167, 2024 – 2026
- NATURE-DEMO / Nature-Based Solutions for Demonstrating Climate-Resilient Critical, 101157448, 2024 - 2026

Expertise related to the topic:

- fire protection, civil protection, emergency and crisis management, population protection, prevention of major accidents, protection of critical infrastructure, fire tactics, training of first responders, training of crisis management teams, simulation methods (VR)
- [Laboratories](#) and [simulation workplaces](#)



Proposal idea/content

Role in the project - partner

Objectives

Database information 1 - focused on the climate change of the affected territory

AI 1 platform - using database 1 for transmission to the target community

must respect the current information potential of the population

according to the specific landscape's approach to global climatic changes

must respect the requirements for the population from the corresponding state

authorities in the event of a disaster

Database information 2 - comprehensive legal and normative information for authorities

cooperating in preparing for disasters in the framework of international cooperation

in managing disasters

AI 2 platform using the above database

evaluate procedures to respect the legal and normative requirements of countries

propose procedures that respect the legal and normative requirements of countries

Emergence of VR scenarios

AI1 – AI 2 cooperation will be important

Expected results

adequate resilience and preparedness of the population

Especially the involvement of immigrant communities

adequate preparedness of crisis management and first responders

Across the involved countries

It is important to respect the legal requirements of the participating countries



Disaster VR scenarios for the training of crisis managers and responders

Centre of Simulation Technologies – CESIT

SIMPROKIM - Crisis Management Simulator

XVR - simulator for professionals dealing with security and protection

<https://www.youtube.com/watch?v=E4s6O0D4xYQ>

Project participants

Consortium – required partners

No	Expertise	Type	Country	Role in the project
01	Environment specialist	any	no limit	Disaster scope and impact assesment
02	Climate change prediction	any	no limit	Climate changes predictions and simulations
03	AI	SME	no limit	Development of platform for 2 groups of users (population, first responders/crisis teams/national authorities)
04	End users, first reponders		no limit	Testing, validation
05	National authorities		EU	Setting up legal and normative requirements

Thank you

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