

DRS SESSION - MODERATORS

Isabelle Linde-Frech

isabelle.linde-frech@int.fraunhofer.de

Krzysztof Samp

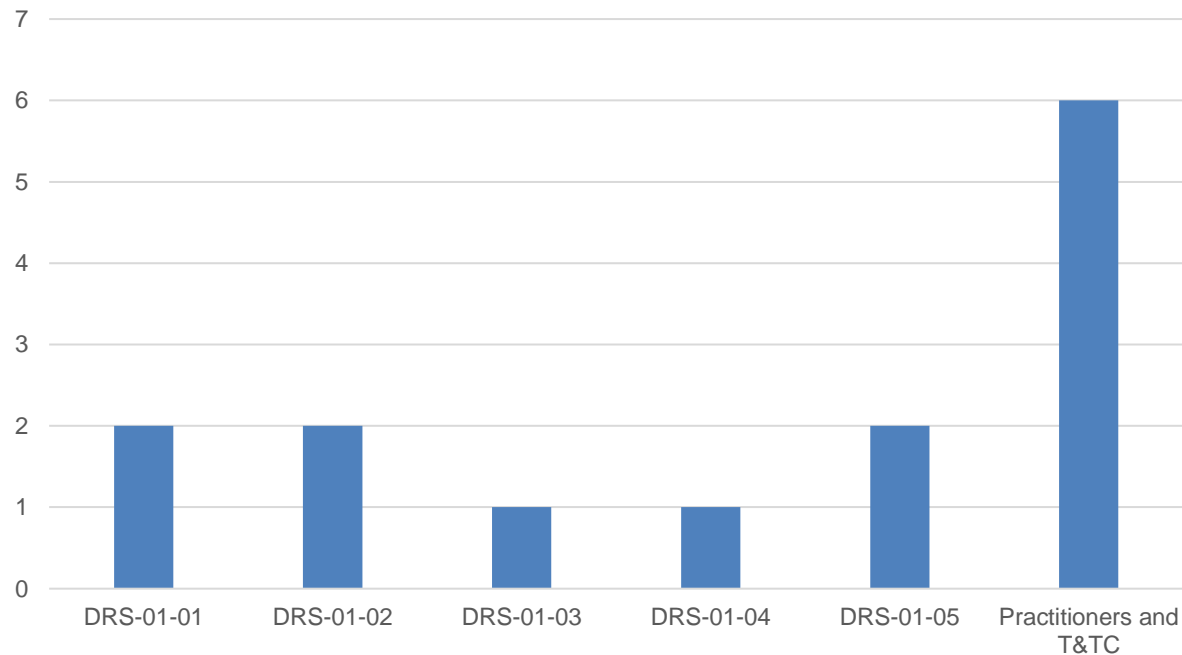
krzysztof.samp@itti.com.pl

Kristian Reeson

kristian-reeson@eos-eu.com

DRS Review Team:

Isabelle Linde-Frech | Krzysztof Samp | Katharina Friz | Andrea Pavlou |
Marta Kollarova | Elodie Reuge | Cristina Picus | Kristian Reeson



DRS SESSION - PRESENTATIONS

DRS-01-01	Fernandez, Cristina	cfernandez@iris-eng.com
	Orduna, Raúl	rorduna@vicomtech.org
DRS-01-02	Kefeloukos, Ioannis	g.kefaloukos@pasiphae.eu
	Manso, Marco	marco@particle-summary.pt
DRS-01-03	López, Marta	geomartalopez@gmail.com
DRS-01-04	Garcia, José Maria	JGarcia@aitex.es
DRS-01-05	Rothan, Dominique	dominique.rothan@nuvia.com
	Galtier, Antonin	Antonin.GALTIER@cea.fr
Practitioners and Test & Training Centres	Gerhards, Regine	Regine.Gerhards@thw.de
	Taillandier, Léa	Lea.Taillandier@ensosp.fr
	Kruijff, Ivana	Ivana.kruijff@rettungsrobotik.de
	Sofuoglu, Turhan	turhans112@gmail.com
	Kostolny, Martin	kostolny@isemi.sk
	Reese, Dominic	Dominic.Reese@polizei.nrw.de

DRS-01-01

Prevention, detection, response and mitigation of chemical, biological and radiological threats to agricultural production, feed and food processing, distribution and consumption

Presenters:

DRS-01-01

Fernandez, Cristina

cfernandez@iris-eng.com

Orduna, Raúl

rorduna@vicomtech.org

PreventEAT



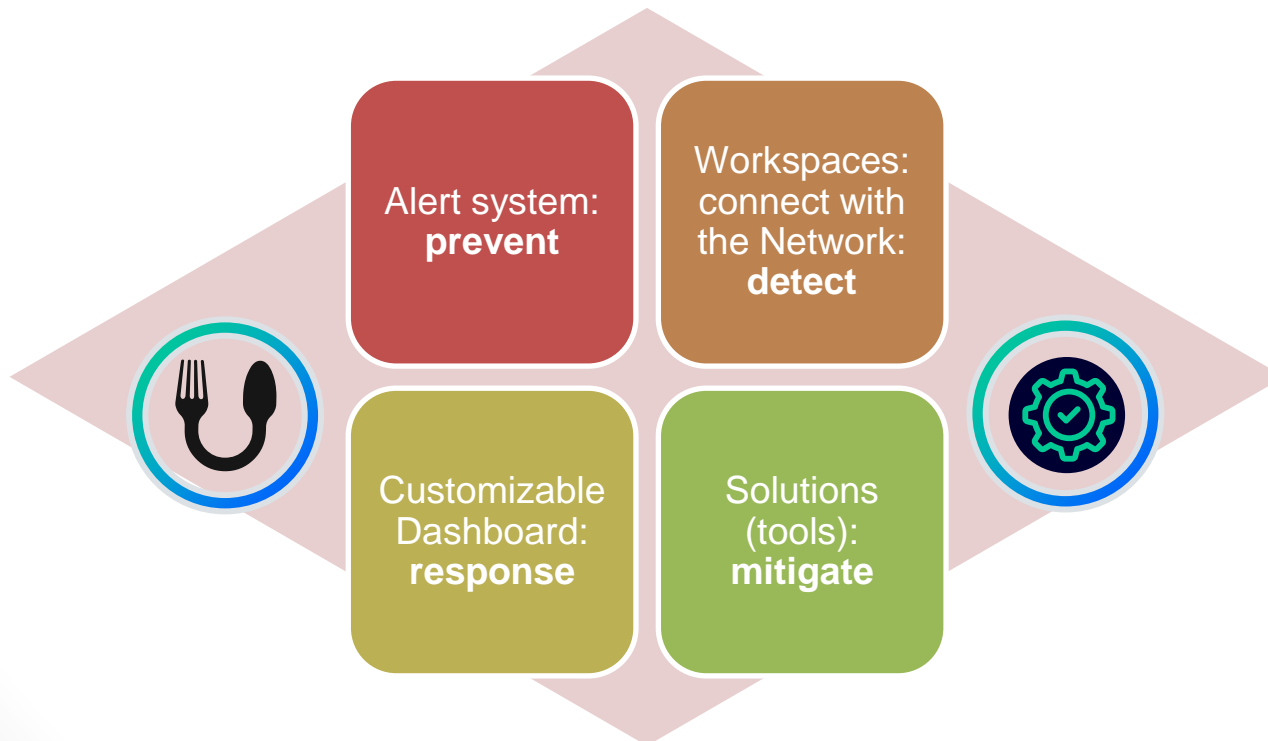
- Cristina Fernandez
- cfernandez@iris-eng.com
- IRIS Technology Solutions Sl. → Photonics & Industrial AI solutions
- Role: Proposal coordinator



- Topic to be addressed: Prevention, detection, response and mitigation of chemical, biological and radiological threats to agricultural production, feed and food processing, distribution and consumption **HORIZON-CL3-2024-DRS-01-01**

PreventEAT - Proposal idea/content

- To be a **trusted** source of information to emerging chemical, biological and radiological (CBR) threats that are posing a risk for food & feed safety.
- A new generation of future-oriented **tools** for the assessment and management of emerging CBR threats and associated risks



Project participants

- Existing consortium:
 - Proposed coordinator: **IRIS** (SME, Spain) □ *Digital Hub & AI*
 - Partners / Other participants:
 - **EMPRACTIS** (SME, Greece) □ *SSH disciplines*
 - **FUNDITEC** (RTO, Spain) □ *Cybersecurity and AI*
 - **BfR** □ *The Bundesinstitut für Risikoforschung will be mapping food networks (FoodChain Lab tool)*
- To build awareness & engagement among stakeholders to encourage a collective effort **to address** CBR threats. Looking for partners with the following expertise/ technology/ application field:
 - *Farmer associations and regulatory bodies*
 - *Use cases from Food industry (large companies)*
 - *International cooperation*
 - *Hospital & catering*
 - *Supply Food Chain Distributor (large companies)*



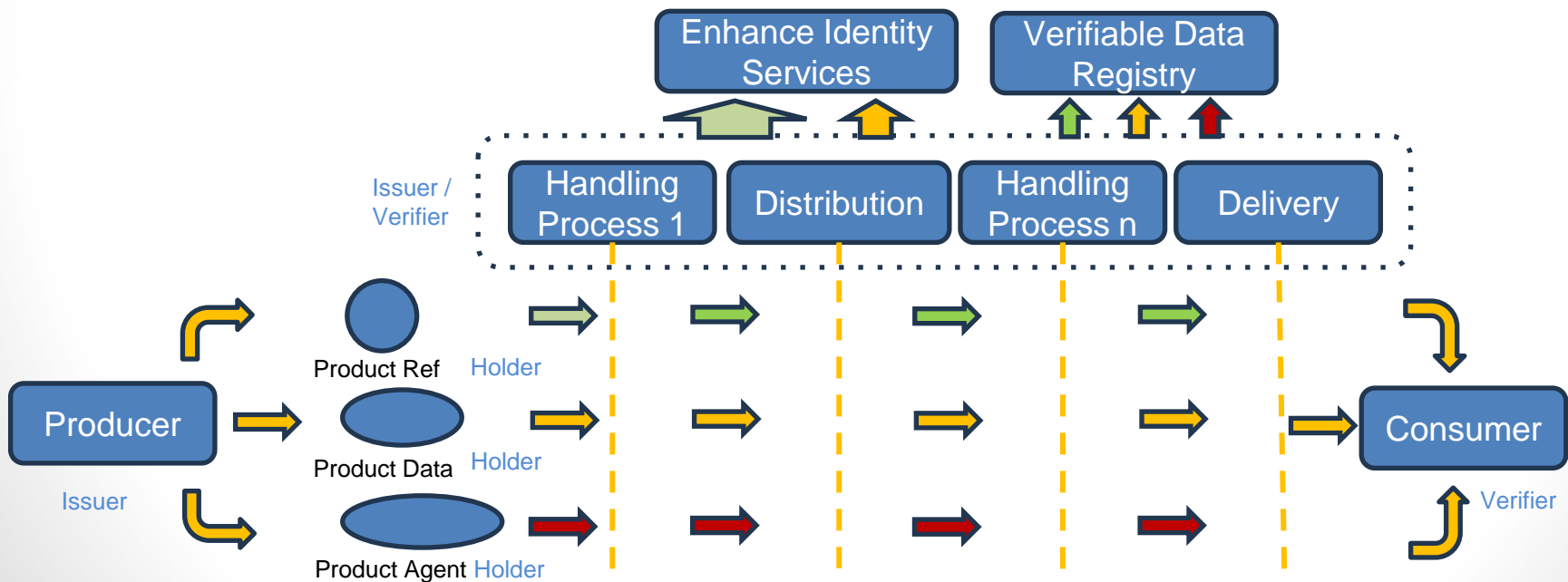
Software Defined Product

- *Raúl Orduna*
- *rorduna@vicomtech.org*
- *VICOMTECH*
- *Role: WP Leader*

- *Topic to be addressed: DRS-01-01*
"Prevention, detection, response and mitigation of chemical, biological and radiological threats to agricultural production, feed and food processing, distribution and consumption"
- Related to several cluster 6 topics, farm2fork strategy, sustainable urban logistics & European Digital Identity

Proposal idea/content

- *Identity is currently linked to information computers (people or devices), but decentralization of data require to extend it to other type of physical and logical assets.*
- *Developing an interoperable identification for products (SSI) results a key enabler to risk analysis in value chain of proximity markets.*



Project participants

- Existing consortium:
 - Proposed coordinator: *Not yet*
 - Partners / Other (p1: identity solutions, p2: TIC infrastructure serv.):
 - SSI for products: based on ERC725/735 or HLINDY (ES: VICOM, partner1)
 - Digital Product Passport Services Provider (ES: VICOM, partner1)
 - EDS Service Provider: based on Gaia-X or IDSA (ES: VICOM, partner2)
 - Enhanced Claim Management Service Development (ES: partner2)
- Looking for partners with the following expertise/ technology/ application field:
 - *Large distribution operator (leader)*
 - End-user: Agri-food producers cooperative and markets
 - *IoT manufacturer and embedded systems developer*
 - *Standardization practitioner (modelling)*
 - *Sustainability expert*
 - *Digital transformation expert*

DRS-01-02

Open Topic

Presenters:

DRS-01-02

Kefeloukos, Ioannis

g.kefaloukos@pasiphae.eu

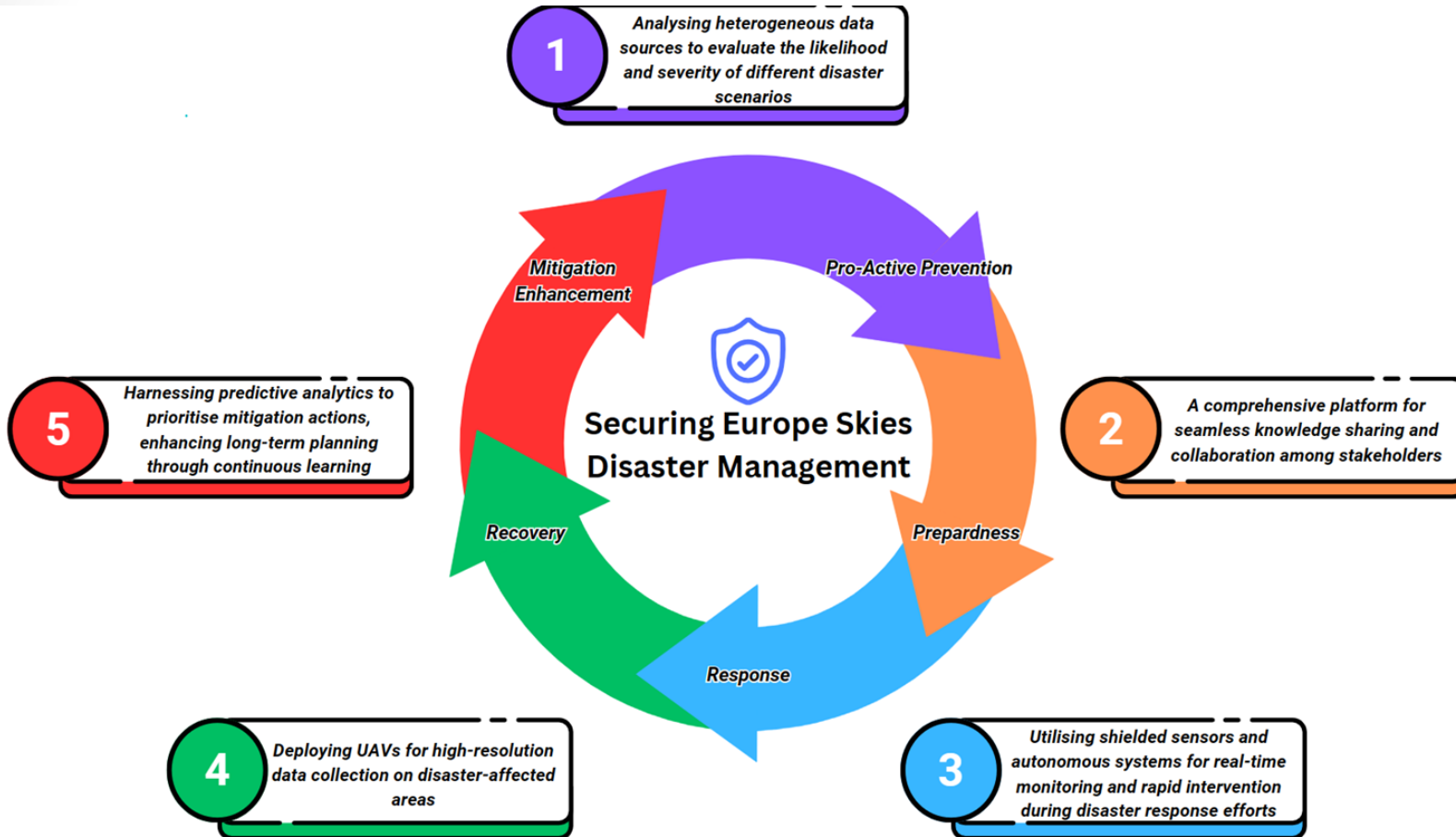
Manso, Marco

marco@particle-summary.pt

Securing Europe Skies

- Ioannis Kefaloukos
 - Senior Research Manager
 - G.kefaloukos@Pasiphae.eu
 - Hellenic Mediterranean University
 - Role: Proposal Coordinator
-
- Topic to be addressed: CL3-2024-DRS-01-02 Open Topic

Proposal Idea Overview



Proposal's Use Cases



UC1: Tackling Nuclear Disasters

- Early detection & Rapid response;
- Accurate Assessment of Radiation Levels;
- Enhanced Coordination among response teams



UC2: Tackling Natural Disasters

- Timely detection and dissemination of warnings
- Swift and seamless deployment of autonomous systems
- Enhanced coordination and decision making



UC3: Tackling Terrorist Attack Disruption

- Pro-active identification and mitigation of threats;
- AI-based situational awareness;
- Empowerment of communities and stakeholders through actionable intelligence and educational resources;

Project Participants

- Existing consortium:
 - Proposed coordinator: *HMU*
 - *Relevant Expertise*
 - *Guidelines for Emergency Communications Network Resilience and Preparedness with the European Telecommunications Standards Institute (ETSI)*
 - *Security Considerations in Fog and Edge Computing within the 5G ecosystem with the European Agency for Cybersecurity (ENISA)*
 - *Coordination or Technical Coordination of more than 10 HUE projects (cybersecurity, emergency communications)*
 - Partners / Other participants:
 - 2 Greek partners for a Knowledge Sharing Platform & Situational Awareness Solutions;(Confirmed)
 - 1 Bulgarian partner for AI-based Risk Assessment (Confirmed)
- Looking for partners with the following expertise/ technology/ application field:
 - First Responders;
 - Partners with expertise on AI Predictive Analytics
 - Security Practitioners

SEISMIC-EWS : Improving Early Warning and Community Response in case of Large Scale Seismic Events

- *Marco Manso*
• marco@particle-summary.pt
• *PARTICLE SUMMARY*
(SME, Portugal)
• WP-Leader, S/T Provider
- *Claudia Pinto*
• claudia.pinto@cm-lisboa.pt
• *Lisbon Municipality*
(Public body, Portugal)
- CL3-DRS-01-02: Open Topic (or INFRA-01, INFRA-03)

SEISMIC-EWS

- *Seismic events can be highly destructive and are unpredictable*
- *Areas that require further research*
 - **Hazard Forecasting**
 - **Impact Prediction and Assessment**
 - **Monitoring Systems Improvement: increase sensors density**
 - **Communication and Coordination: authorities, PSO, citizens**
 - **Training and Education: prepare, before – during – after**
- **OFFERING:**
 - **Use Case: Large Seismic event followed by Tsunami in the Lisbon area**
 - **Decision Makers, Practitioners, Citizen communities, Technologies, Pilot areas**

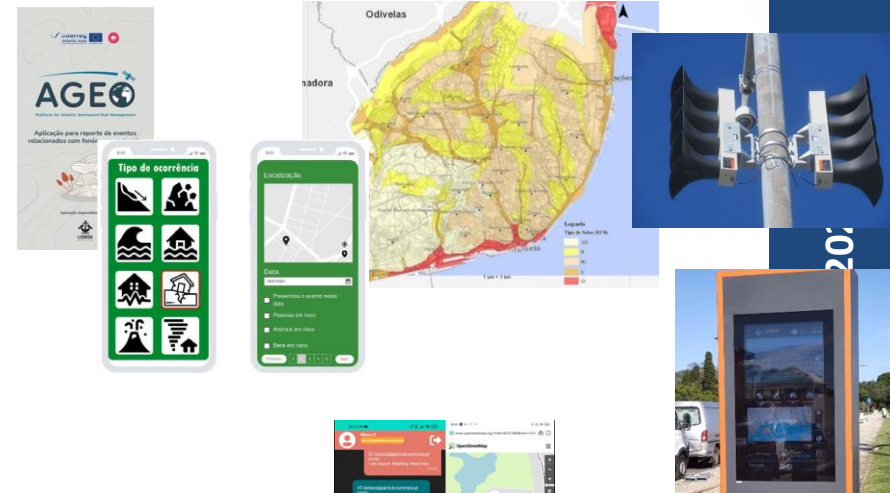


SEISMIC-EWS - Capabilities



Lisbon Municipality

- ReSist: large community involved in promoting resilience infrastructures, regulations and dissemination
- Risk Assessment and Maps
- AGEO: App for Citizens
- Public Information and Alert Tools
- (Municipality Services, including practitioners and authorities)

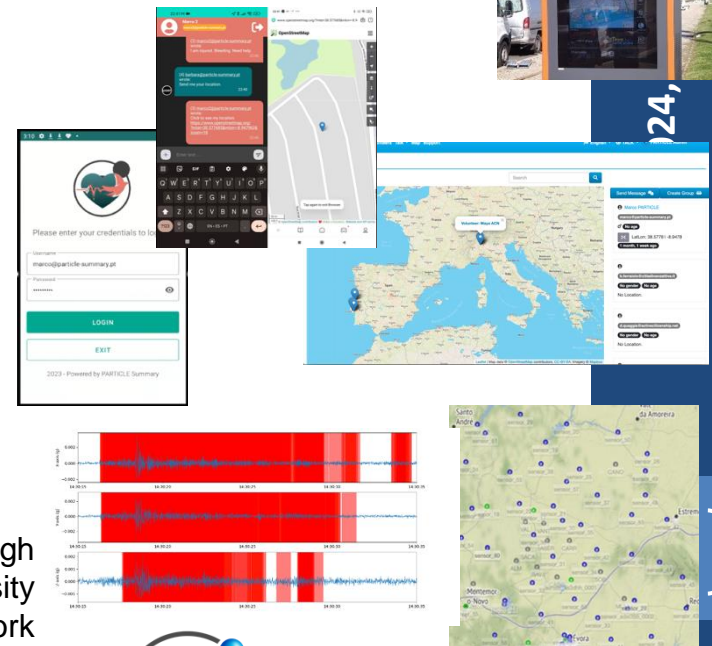


PARTICLE Summary

- Global visualisation systems
- H2020 NIGHTINGALE Result:
 - Volunteer management and coordination
 - Volunteer app: reporting and communications
- High Density IoT Seismic Network



NIGHTINGALE



High Density IoT Network



Project participants

- Contributing Partners:
 - PARTICLE Summary (SME, Portugal)
 - Lisbon Municipality (Public, Portugal)
- Looking for partners with the following expertise/ technology/ application field:
 - *Practitioners*
 - *Use-case coordinators*
 - *Disruptive new technologies for seismic forecasting and impact assessment*

DRS-01-03

Harmonised / Standard protocols for the implementation of alert and impact forecasting systems as well as transnational emergency management in the areas of high-impact weather / climatic and geological disasters

Presenter:

DRS-01-03

López, Marta

geomartalopez@gmail.com

EUPROT

European PROTocol for multi-risk prevention and management

Marta López-Saavedra

(Support for the Proposal Coordinator and WP leader)

geomartalopez@gmail.com

Spanish National Research Council (CSIC)

CL3-2024-DRS-01-03



Proposal idea: the origin

Project “VUELCO” 2015
(European Commission)



Project “VeTOOLS” 2016
(EC - ECHO)



Project “EVE” 2021
(EC - ECHO)



Proposal idea: the origin

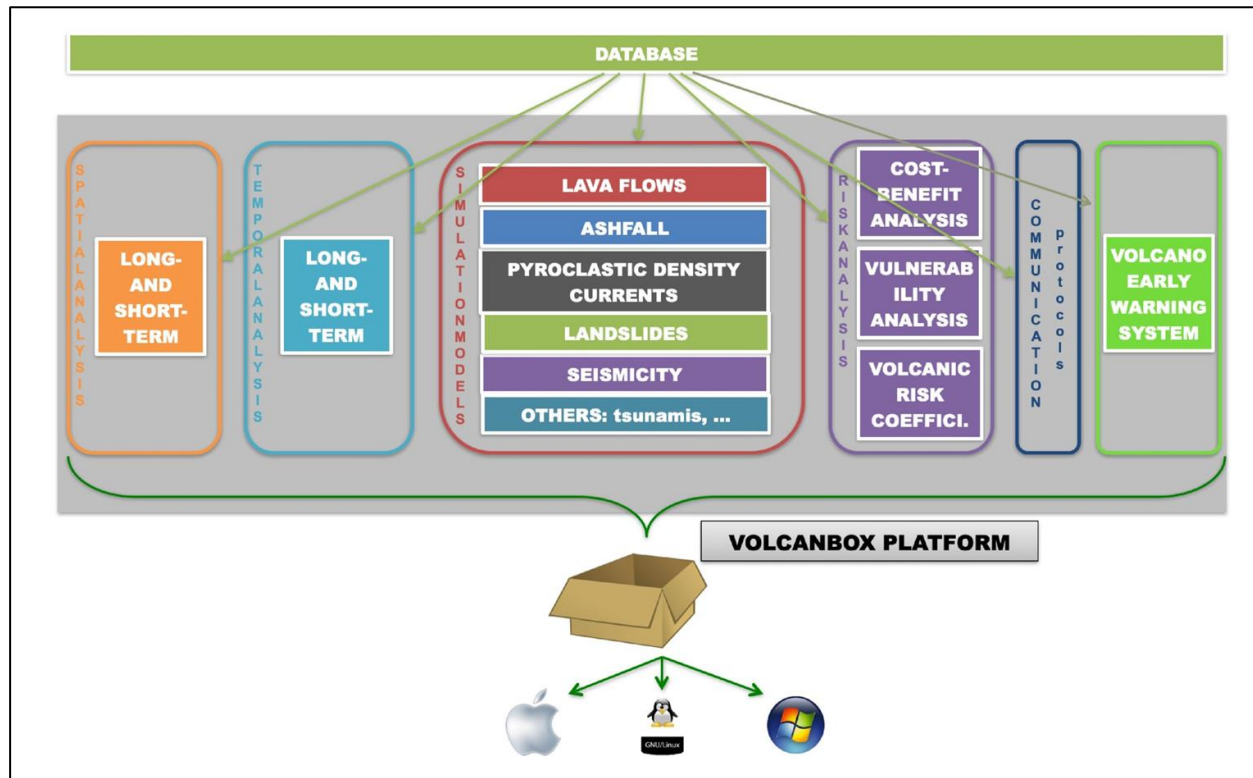
Project “VUELCO” 2015
(European Commission)



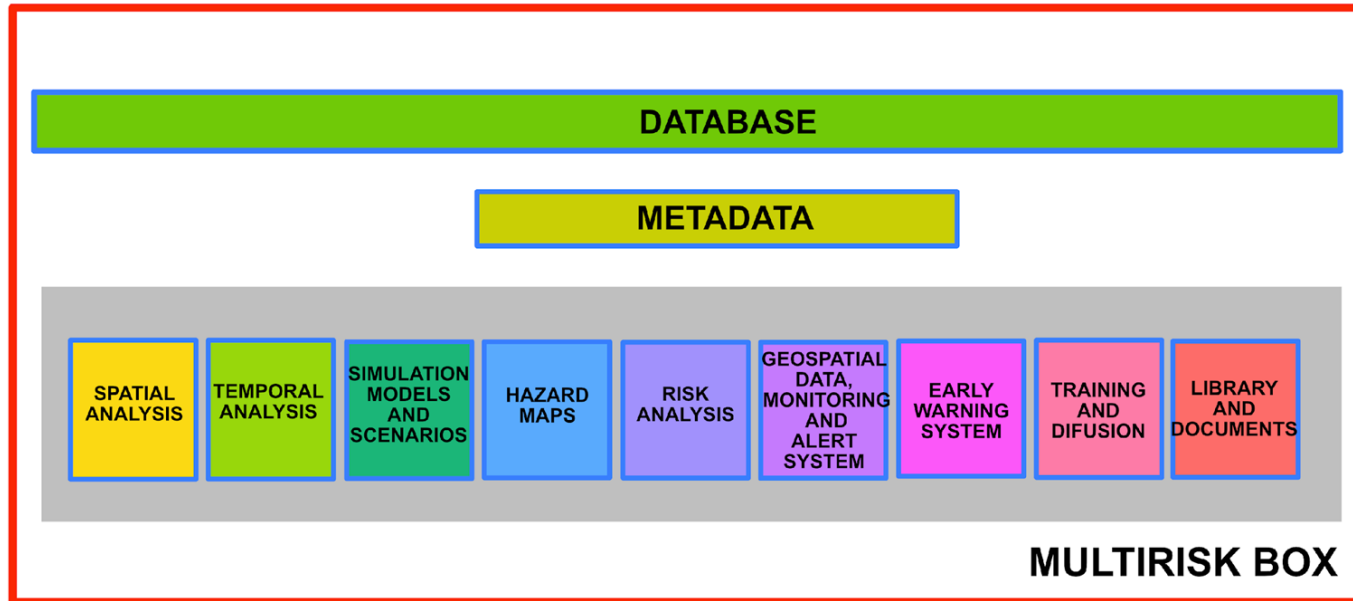
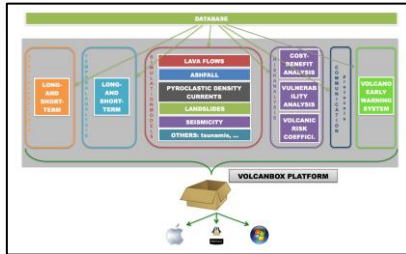
Project “VeTOOLS” 2016
(EC - ECHO)



Project “EVE” 2021
(EC - ECHO)



Proposal idea: a **third** phase



AUTOMATED SMART RISK REDUCTION PROTOCOL

Project participants

EXISTING/PROPOSED CONSORTIUM Coordinator: IDAEA-CSIC (Dr. Joan Martí)	REQUIRED PARTNERS / EXPERTISE
SPAIN 1. National Research Council 2. Civil Protection of the Canary Islands 3. Government of the Canary Islands (Department of Territorial Policy) 4. Faculty of Psychology (UAB) 5. National Geographic Institute (IGN) 6. DRIBIA (AI company)	
ITALY 7. INGV 8. University of Bologna 9. Civil Protection of Italy 10. Municipality of Stromboli	
ICELAND 11. University of Iceland 12. Icelandic Civil Protection 13. Local representation	
NETHERLANDS 14. University of Twente (Faculty of Geo-information Science and Earth Observation)	
TURKEY 15. Ambulance and Emergency Physicians Association (AAHD)	
GREECE 16. Intespace Technologies Kainotomias AE 17. Civil Protection of Greece 18. Local representation	
<div style="display: flex; justify-content: space-between;"> CONFIRMED PENDING </div>	

Project participants

EXISTING/PROPOSED CONSORTIUM Coordinator: IDAEA-CSIC (Dr. Joan Martí)	REQUIRED PARTNERS / EXPERTISE
SPAIN 1. National Research Council 2. Civil Protection of the Canary Islands 3. Government of the Canary Islands (Department of Territorial Policy) 4. Faculty of Psychology (UAB) 5. National Geographic Institute (IGN) 6. DRIBIA (AI company)	<ul style="list-style-type: none"> • Non-Spanish Social Sciences group. • First and second responders (e.g. Doctors Without Borders, Red Cross, etc.). • Local and/or regional authorities (e.g. local/regional police, citizen representatives, etc.). • Expert group on landslides, and weather-related phenomena. • Non-Spanish AI company • Standardisation organisation <input type="checkbox"/> The Spanish Association for Standardization (UNE) and the German Institute for Standardisation (DIN) are interested but pending of final decision. • Satellite observation <input type="checkbox"/> Copernicus is interested but pending of final decision.
ITALY 7. INGV 8. University of Bologna 9. Civil Protection of Italy 10. Municipality of Stromboli	
ICELAND 11. University of Iceland 12. Icelandic Civil Protection 13. Local representation	
NETHERLANDS 14. University of Twente (Faculty of Geo-information Science and Earth Observation)	
TURKEY 15. Ambulance and Emergency Physicians Association (AAHD)	
GREECE 16. Intespace Technologies Kainotomias AE 17. Civil Protection of Greece 18. Local representation	
<div style="display: flex; justify-content: space-between;"> CONFIRMED PENDING </div>	

EUPROT

European PROTocol for multi-risk prevention and management

THANK YOU

Marta López-Saavedra

geomartalopez@gmail.com

Spanish National Research Council (CSIC)

CL3-2024-DRS-01-03



DRS-01-04

Hi-tech capacities for crisis response and recovery
after a natural-technological (NaTech) disaster

Presenter:

DRS-01-04

Garcia, José Maria

JGarcia@aitex.es

Smart Resilience System for NaTech Disaster Scenarios (NATEDIS) – Tentative title

- José María García
- jgarcia@aitex.es
- AITEX – Research & Innovation Center
- Role: Proposal coordinator / WP leader

- Topic to be addressed: HORIZON-CL3-2024-DRS-01-04: Hi-tech capacities for crisis response and recovery after a natural-technological (NaTech) disaster

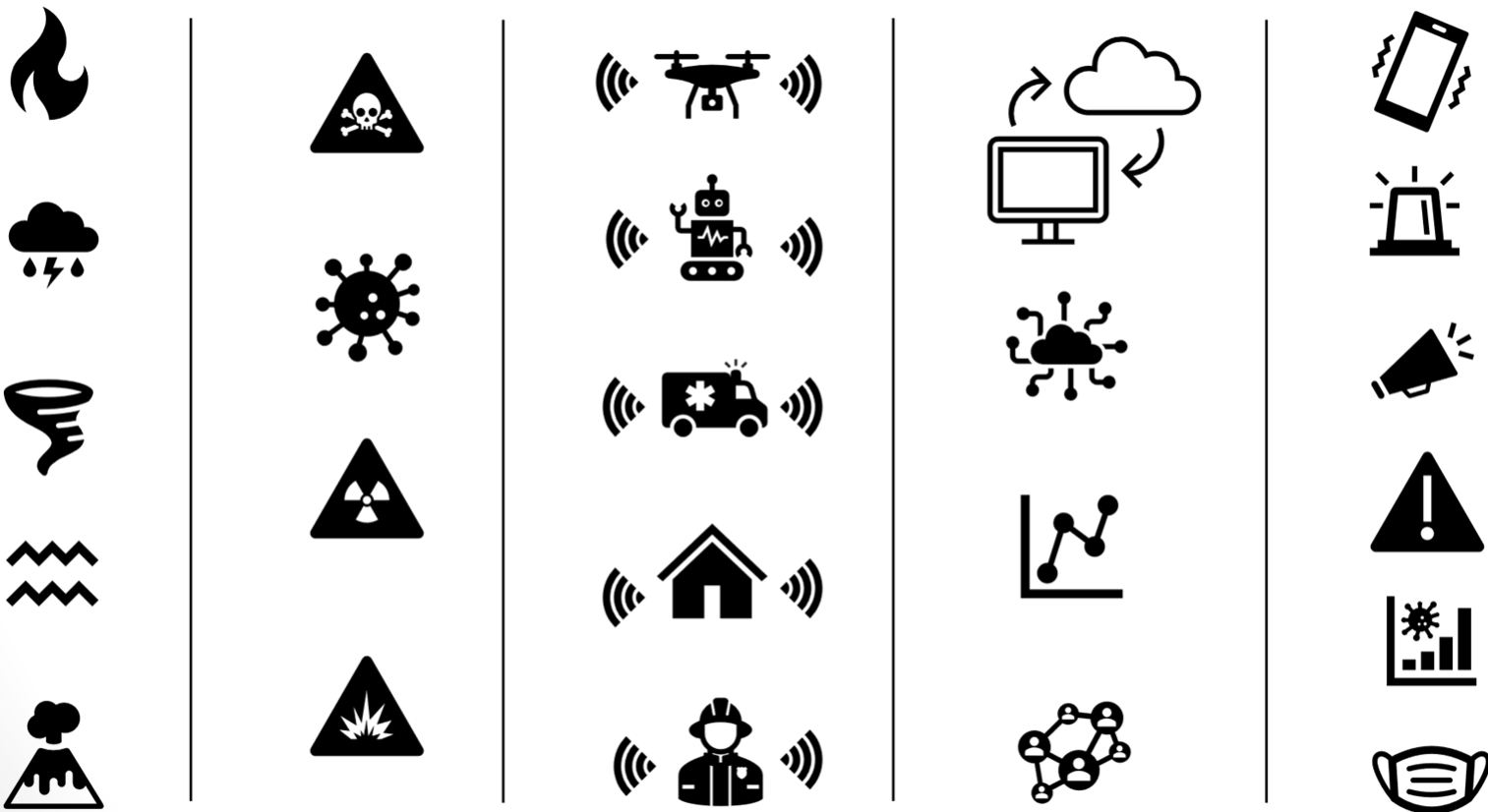
Proposal idea/content

Smart Resilience System for NaTech Disaster Scenarios (NATEDIS) – Tentative title

- Situational Awareness Smart System.
- DRR (Disaster Risk Reduction) & Crisis Management.
- Focus on Protection of Critical Infrastructures (PCI).
- CBRNe aspects (linked to NaTech disaster scenarios).
- Multi-hazard approach.
- Copernicus & GNSS – Galileo.
- Worst-case scenarios.
- Involvement with European Space Agency (ESA) tools and projects (FutureEO programme).

Proposal idea/content

Smart Resilience System for NaTech Disaster Scenarios (NATEDIS)



Project participants

- Existing consortium:
 - Proposed coordinator: *AITEX / Other partner? (to be discussed)*
 - Partners / Other participants:
 - RTO (Spain) – Technology provider (AI)
 - SME (Spain) - Ethics
 - Industry (Italy) – Technology provider (ICT)
 - Industry (Spain) – Technology provider (ICT)
 - Industry (Netherlands) – Technology provider (electronics)
 - Emergency service (Portugal) – End user (first responders)
- Looking for partners with the following expertise/ technology/ application field:
 - *Technical partners with experience in ESA projects (ideally, FutureEO programme)*
 - *Emergency services / first responders (end users)*
 - *Others*

DRS-01-05

Cost-effective sustainable technologies and crisis management strategies for RN large-scale protection of population and infrastructures after a nuclear blast or nuclear facility incident

Presenters:

DRS-01-05

Rothan, Dominique

dominique.rothan@nuvia.com

Galtier, Antonin

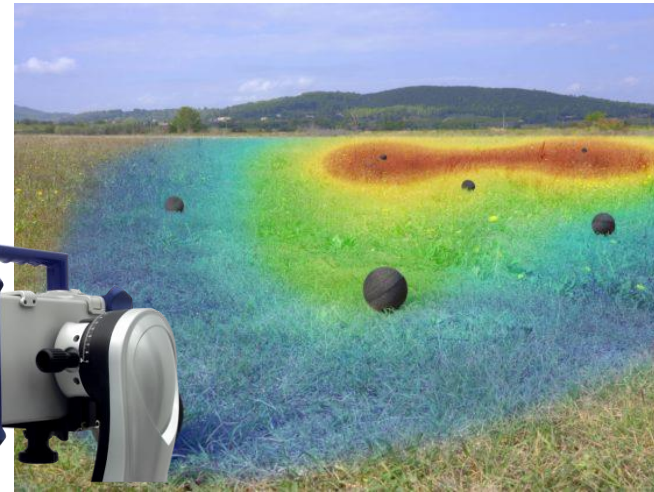
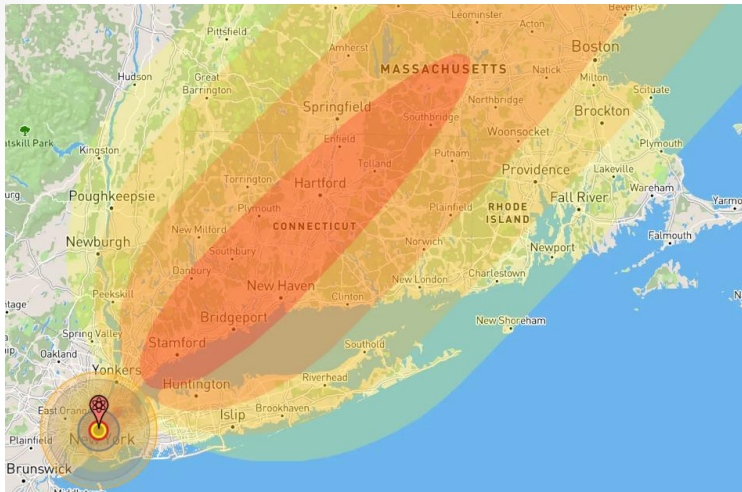
Antonin.GALTIER@cea.fr

Gamma Vision Project

- Dominique ROTHAN
 - Dominique.rothan@nuvia.com
 - NUVIA
 - S/T provider
-
- Topic of interest: HORIZON-CL3-2024-DRS-01-05, Cost-effective sustainable technologies and crisis management strategies for RN large-scale protection of population and infrastructures after a nuclear blast or nuclear facility incident

Proposal idea/content

Gamma Vision Project - Needs and Interest



- We aim to develop a solution able to provide a real-time assessment of the radioactive fallout, provide the safest way to evacuate the population and a plan to decontaminate infrastructures
- The solution would combine innovative detection technologies not yet deployed for emergency response, the use of UAVs and UGVs and interfacing with supervision platforms for real-time monitoring of the situation on the ground.
- The detection technologies would include fixed and mobile gamma cameras to locate contamination and identify radioisotopes combined with autonomous disposable sensors for dose rate mapping over an extended area.

Project participants

- Existing consortium:

- Proposed coordinator: --

- Partners / Other participants:

- NUVIA** is a French private company specialized in the nuclear field (products, services and projects) who will be in charge of the user interface and testing of the gamma imager
- The **CEA LETI** is a French public research organization in charge of the development of the next generation of gamma imager and the interfacing with UAV/UGV
- ISYmap** is a startup company specialized in embedded systems and will be in charge to design remote, wireless, rugged and real-time measurement and their deployment through UAV/UGV



- Looking for partners with the following expertise/ technology/ application field:

- Coordinator
- Emergency responders, health physicists and companies involved in supervision software, UAV and/or UGV and remediation work.
- We are open to further potential project ideas that would strengthen the overall concept

RN – incident - mitigation

- Christine Mer/ Antonin Galtier
- antonin.galtier@cea.fr
- CEA
- Role: Proposal coordinator
- CL3-2024-DRS-01-05: Cost-effective sustainable technologies and crisis management strategies for RN large-scale protection of population and infrastructures after a nuclear blast or nuclear facility incident

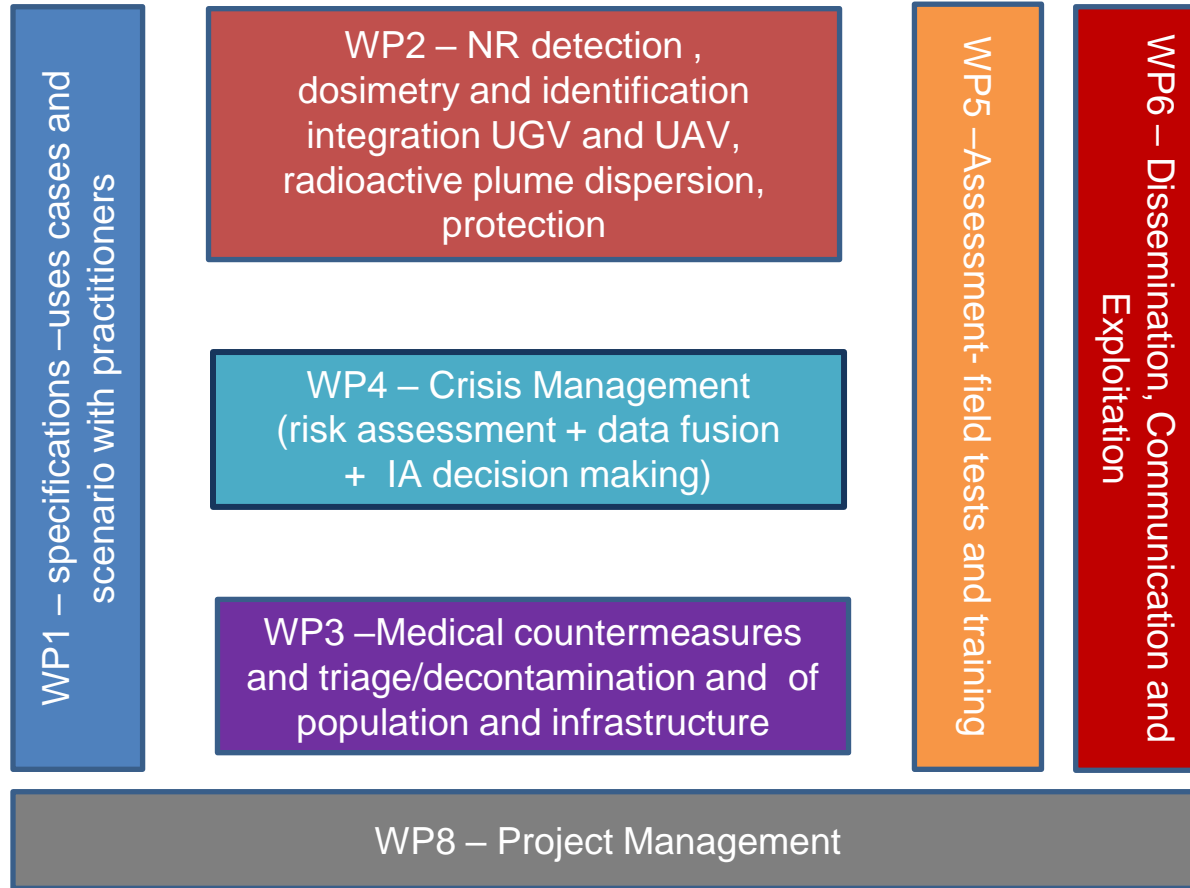


Development of solutions for response to RNe incidents « [Arktis, CEA]



« Innovation clusters, for RN emergency, from around Europe managing demonstration sites, testing workbenches, and training facilities » [ENEA, CEA]

Proposal idea/content



Project participants

- Existing consortium:
 - Proposed coordinator: *CEA*
 - Partners / Other participants:
 - *ENEA (Drone, NR detection, digital triage)*
 - *Italian Hospital (expertise in NR emergency)*
 - *Firefighters (expertise in NR events)*
 - *SME (expertise in protection and decontamination process)*
 - *Industrial in robotic (UGV)*
- Looking for partners with the following expertise/ technology/ application field:
 - *First responders' organisations and authorities*
 - *Local or regional authorities in charge of disaster response*

Practitioners and Test&Training Centres

Presenters:

Practitioners and
Test & Training Centres

Gerhards, Regine

Regine.Gerhards@thw.de

Taillandier, Léa

Lea.TAILLANDIER@ensosp.fr

Kruijff, Ivana

Ivana.kruijff@rettungsrobotik.de

SOFUOGLU, Turhan

turhans112@gmail.com

Kostolny, Martin

kostolny@isemi.sk

Reese, Dominic

Dominic.Reese@polizei.nrw.de

Federal Agency for Technical Relief (THW)

Speaker: Regine Gerhards

Contact: THW EU Team

projects.eu@thw.de



- Destination of interest: *DRS (and SSRI)*
- *Topics of interest: DRS-01-02, DRS-01-04, DRS-01-05*

THW decides based on available resources how much participations are possible.

Needs and interests

THW is always looking for strong consortia that **value the input from practitioners** and offer a adequate budget for heavy participation.

Interests

- *Technology Development (Robotics, Drones, Communication, Energy Transition, Logistics, Sensors, AI, ...)*
- *First Responder Training*
- *First Responder Safety (e.g. PPE)*
- *Civil defence*
- *Sustainability*
- *Cooperation and Networking*
- *...*

Contribution

- THW
 - THW has participated in 7 Horizon projects e.g. SAYSO, Fire-In, MEDEA, DARENET, DeeperSense, CURSOR, SYNERGISE
 - 2 projects will start in 2024
 - THW has coordinated 4 projects and will coordinate 2 more
- What can you as practitioner organisation offer to a consortium?
 - Horizon Europe Expertise
 - Requirements Analysis
 - Testing and Evaluation (e.g. Field Tests)
 - Large network of partners including practitioner
 - A strong & loud practitioner voice
- Which role do you prefer in a consortium?
 - Task or WP Lead (e.g. Practitioner Coordinator)

French National Firefighter Officers Academy (ENSOSP)

- *Léa Taillandier*
- *lea.taillandier@ensosp.fr*
- *ENSOSP*

- **Destination of interest:** CL3 – Destination 5 – Disaster Resilient Societies

- **DRS01-02** : Open Topic

- **DRS01-03** : Alert and impact forecasting systems / Transnational emergency management

- **DRS01-04** : Hi-tech capacities for crisis response and recovery after a NaTech disaster

- **DRS01-05** : Sustainable technologies and crisis management of RN incidents

Needs and interests

- **Thematics of interest :**

- Embedded technologies for First Responders
- Support technologies for First Responders – drones/robots
- Interactive Common Operational Picture (COP)

- New and emerging energies
- Natural disasters management (wildfire, flood, earthquake...)
- CBRN
- Training

- **Previous experiences :**

- Technological innovation
- Training innovation
- Knowledge management



RESCUER



- **What can you as practitioner organisation offer to a consortium?**
 - User needs collection and analysis
 - Exercise organisation
 - Training development / training needs analysis
 - Knowledge management
- **Which role do you prefer in a consortium?**
 - End-user
 - WP Leader
 - Task Leader



Thank you for your attention
Do not hesitate to contact us

lea.taillandier@ensosp.fr

wilfried.stefic@ensosp.fr



German Rescue Robotics Center



www.rettungsrobotik.de

- *Ivana Kruijff*
- *Ivana.kruijff@rettungsrobotik.de*
- *German Rescue Robotics Center (DRZ)*

- Destination of interest: CLS3-DRS
 - Esp. topics DRS-01-04 and DRS-01-04, also other topics
 - CLS3-INFRA and CLS3-SSRI destinations also of interest, because

The use of robotic systems (air, ground, water)
needs to be included
in all future incident response concepts
as standard technology for better safety and efficiency.

Contributions

- Knowledge of robotic technology, needs, gaps & potential
- Input from practitioners across sectors through DRZ-member network
- Design of Scenarios & Usecases
- Planning, implementation and coordination of tests, evaluations and demonstrations in realistic environments
- Providing unique indoor & outdoor test areas (Living Lab)
- Participation in trials in operational environments (Robotics Task Force)
- Preparation of recommendations for standards (SOPs, norms, ...)

- Role: partner or subcontractor



Needs and interests

Call topic	Relevance of Robots	Needs & Interests
DRS-01-04	Increased safety and efficiency of hazard assessment and combating	Consideration of robot deployment and sensor data in SOPs and decision support systems
DRS-01-01 DRS-01-05		Improved understanding of use cases, requirements, mission concepts and interfaces
DRS-01-02		Tests, evaluations, trials and demonstrations in relevant realistic environments in DRZ Living Lab
DRS-01-03	Using EO data to plan robot deployment, esp. drones; integration of EO data with sensor data from robots for continuous situation assessment	Improved understanding of use cases, requirements, mission concept and interfaces

Needs and interests

Call topic	Relevance of Robots	Needs & Interests
INFRA-01-01	Increased safety and efficiency of monitoring	Improved understanding of use cases, requirements, mission concepts and interfaces
INFRA-01-03	Enabling remote missions	Tests, evaluations, trials and demonstrations in relevant realistic environments in DRZ Living Lab

Call topic	Relevance of Robots	Needs & Interests
SSRI-01-01 SSRI-01-02	Increased safety and efficiency of hazard assessment and combating	Tests, evaluations, trials and demonstrations in relevant realistic environments (standardization, comparability, repeatability)

- Dr. Turhan Sofuoglu (Medical Doctor)
- E-mail: turhans112@gmail.com
- Emergency, Disaster and Ambulance Physicians Association (AAHD)
- FR--Emergency Medical Response, NGO
- EXPERT FR in SECURITY DRS PROJECTS
- Role: WP/Task leader
- Destination of interest: CL3-DRS-01-01 / DRS-01-02 / DRS-01-03
DRS-01-04 and DRS-01-05



BeSeCu SUTERIA BECAN nexos CRM4EMS iProcureSecurity PCP assistance ForeSight



SEVENTH FRAMEWORK PROGRAMME Erasmus+ HORIZON 2020 HORIZON EUROPE iProcureSecurity SOLUTIONS FOR EMERGENCY MEDICAL SERVICES SMS4EMS TeamWare

Since 2008  **15+ Years Experience in EU Projects**

Needs and interests (Destination - DRS for Europe)

- Enhanced understanding of high-impact hazards and complex compound and cascade events and improved prevention, preparedness to mitigation, response, and recovery tools;
- Enhanced understanding and improved knowledge and situational awareness of disaster related risks by citizens, empowered to act and involved in relevant research initiatives
- More efficient cross-sectoral, cross-disciplines
- Support of harmonised and/or standardised and interoperability of guidelines / protocols / tools / technologies in the area of crisis management, natural disasters and CBRN-E
- Strengthened capacities of first responders in all operational phases related to any kind of natural and human-made disasters so that they can better prepare their operations



Contribution

Specific skills and proposed activities related to the topic as a health emergency services (FR)

- To assess the acute and chronic CBR (health) symptoms and signs and to develop possible preparedness, mitigation and response plans for national authorities and the private sector (CL3-2024-01-01)
- To provide more efficient interactions among the scientific community, research institutions and programs, first and second responders, ..., fostering a faster transfer of results from science into practice. (CL3-DRS-01-02)
- To Enhance links between scientific community and first and second responders promoting user-targeted research and faster transfer of science results into best practices; (CL3-2024-DRS-01-03)
- To Demonstrate operational protocols and development of standard operating procedures able to respond to NaTech crises in cross-border configurations worst-case scenarios taking into account cascading effects and future impacts of climate change, and taking into consideration spatial information and data; (CL3-2024-DRS-01-04)
- To Improved understanding of contamination and decontamination of population and infrastructure, and improved rapid procedures for decontamination of individuals after a RN-incident; (CL3-2024-DRS-01-05)

Which role do you prefer in a consortium?

- ✓ WP leader, Task Leader.. (KPI, User Requirement and Use Case Provider)
- ✓ Conducting field surveys, focus groups, workshops and transferring the knowledge
- ✓ Preparing emergency /disaster health plans (city level and critic infrastructure level-forexample refinery)
- ✓ Conducting real like exercises and field trials / Pilots
- ✓ Dissemination & Communication Activities – Preparing videos



ISEM-International Security and Emergency Management Institute, n.p.o

- *Martin KOSTOLNÝ, kostolny@isemi.sk, +421 910 850 285, ISEMI (PIC: 937551658)*

Destination of interest:

- *DRS04 - Strengthened capacities of first and second responders*
 - ***DRS-01-04:** Hi-tech capacities for crisis response and recovery after a natural-technological disaster*
- *DRS03 - Improved harmonisation and/or standardisation in the area of crisis management and CBRN-E (**DRS-01-03**)*
- *DRS02 - Improved Disaster Risk Management and Governance*
 - *both topics: **DRS-01-01** and **DRS-01-02***
- *FCT04 – Increased security of citizens against terrorism, incl. public spaces*
 - ***FCT-01-07:** CBRN-E detection capacities in small architecture*
- *but also Border management (BM), and Resilient Infrastructure (INFRA) where end-users perspective is required*
- *last but not least SSRI – mainly related to PUBLIC PROCUREMENT (tight cooperation with particular department of Mol SR)*

Needs and interests

ISEMI is non-profit organization providing generally beneficial services, acting as professional platform of former/active police and security officers, rescuers, military, civil protection and crisis management experts.

- partner of Integrated Rescue System of Slovakia (RESPONDER)
- training and testing centre (with focus on CBRNe related topics)

The need (challenge, commitment and interest at the same time) is to provide end-user perspective for RDI through own capacities, and jointly with own partners. In particular:

- Procedures and technologies for responders
- Multi-agency, cross-sectorial/hierarchical/border cooperation
- Joint exercises and training approaches



Contribution



INTERNATIONAL SECURITY AND
EMERGENCY MANAGEMENT INSTITUTE

- Ready to be a WP / task(s) leader

ISEMI is ready to provide:

- Technical and procedural gaps & needs analysis and requirements specifications
- Use-case(s) and scenario development
- **Planning, organization, coordination and execution of tests/trials/demonstrations in relevant environment**
- Complex training activities
- Validations and evaluation
- Usability and performance analysis
- Contributions to dissemination and exploitation

In addition, ISEMI is ready to support consortium building with focus to involvement of end-user partners.



POLIZEI

Nordrhein-Westfalen
Landesamt für Zentrale
Polizeiliche Dienste

- *Dominic Reese*
- *Dominic.Reese@polizei.nrw.de*
- *State Office for Central Police Services NRW*

- *CL3-FCT-01-01/02/06,*
- *CL3-INFRA-01-01/02/03,*
- *CL3-CS-01-01,*
- *CL3-DRS-01-02*



Needs and interests

- *Research potential Innovation Lab*
 - *Resilient Communication*
 - *Robotic Use Cases*
 - *XR Use Cases*
 - *AI Use Cases*
 - *Future Research and Methodology*
- *Research potential Automotive*
 - *Charging Infrastructure*
 - *Cybersecurity (-management)*
 - *Energy Management*
 - *Software defined police car*
 - *Connectivity*



Contribution

- Largest police authority in Germany
- Network in the police
- Needs of the users
- Test environment
- Participation as a partner

