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RED ROSES PROJECT

KICK-OFF MEETING

09/03/2023

RED ROSES

REsponsive **D**ata ecosystem for **R**esilient and **O**perational **SE**curity **S**trategies

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Dauphine | PSL
UNIVERSITÉ PARIS

Geoscience for a sustainable Earth
brgm

Consiglio Nazionale delle Ricerche

IGAG
Istituto di Geologia Ambientale e Geoingegneria

CONVENZIONE DI GINEVRA 22 AGOSTO 1864
Croce Rossa Italiana

RED ROSES PROJECT

Estimated Project Cost: EUR 749 427.62

Requested EU Contribution: EUR 636 961.00

(85% EU co-financing rate)

24 months: 01.03.2023 - 28.02.2025

Italy-France cross-border area

RED ROSES PROJECT

“The effective cross-border cooperation would bring significant advantages for the 37.5% of the EU population living in border areas”

- European Committee of the Regions (NAT-VI/036, 2019)

Making available and sharing a wide array of data and information to strengthen disaster risk management capacities.

Implement, test and deploy an interoperable and modular Spatial Data Infrastructure (SDI)

Strengthen the cross-border Civil Protection authorities and relevant stakeholders capabilities.

Improving the effectiveness of disaster risk management procedures

1

Provide the relevant authorities and stakeholders with existing and new relevant ICT-based tools

2

Strengthen a cooperation-based decision-making process

3

Adopt innovative low-cost and “user-centred" ICT-based strategies

4

Enhance synergies at a trans-local level among existing systems in each cross-border country

Tentative dates and places for major events

PARIS, ORLÉANS, ROME, MILAN & BRUSSELS

- Project management and coordination meetings
  - Kick-off meeting (M1)
  - Mid-term meeting (M12)
  - Final project conference (M24)
- Scientific and technical meetings and webinars
- Modules testing (M12, M16)
- Simulation exercise to deploy RED ROSES SDI modules and services (M20)

ENGAGEMENT WITH END-USERS

Dissemination, communication strategy and stakeholders' participatory processes

MERCI !

Thank you for your attention!

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EDERA
Early warning Demonstration of pan-European rainfall-induced impact forecasts

European Union
Civil Protection and Humanitarian Aid

EDERA: Early warning Demonstration of pan-European rainfall-induced impact forecasts

UCPM-2022-PP Kick-off meeting, Brussels, 09 Mar 2023

UPC: Marc Berenguer, Shinju Park, Daniel Sempere-Torres
ECMWF: Christel Prudhomme, Calum Baugh
FMI: Seppo Pulkkinen
AMAYA: Antonio Santiago, Ana Durán
DGPCE: María Vara, Rosa M. Torres
ANEPC: Abel Gomes, Ana Freitas

CRAHI UPC Centre de Recerca Aplicada en Hidrometeorologia UNIVERSITAT POLITÈCNICA DE CATALUNYA
ECMWF
ILMATIETEEN LAITOS METEOROLOGISKA INSTITUTET FINNISH METEOROLOGICAL INSTITUTE
Agencia de Medio Ambiente y Agua de Andalucía
Consejería de Agricultura, Pesca, Agua y Desarrollo Rural
Consejería de Sostenibilidad, Medio Ambiente y Economía Azul
GOBIERNO DE ESPAÑA MINISTERIO DEL INTERIOR
DIRECCIÓN GENERAL DE PROTECCIÓN CIVIL Y EMERGENCIAS
EMERGÊNCIA E PROTEÇÃO CIVIL AUTORIDADE NACIONAL

Project summary

Early warning Demonstration of pan-European rainfall-induced impact forecasts

- **Duration:** 01 Feb 2023 - 31 Jan 2025 (24 months)
- **Budget:** 1,173,954.78€ (grant: 997,861.55€)
- **Website:** www.edera-project.eu
- **Partners:**

  Universitat Politècnica de Catalunya (ES)

  European Centre for Medium-range Weather Forecasts (INT)

  Finnish Meteorological Institute (FI)

  Environment and Water Agency of Andalusia (ES)

  Directorate-General for Civil Protection and Emergencies (ES)

  National Authority of Emergency and Civil Protection (PT)

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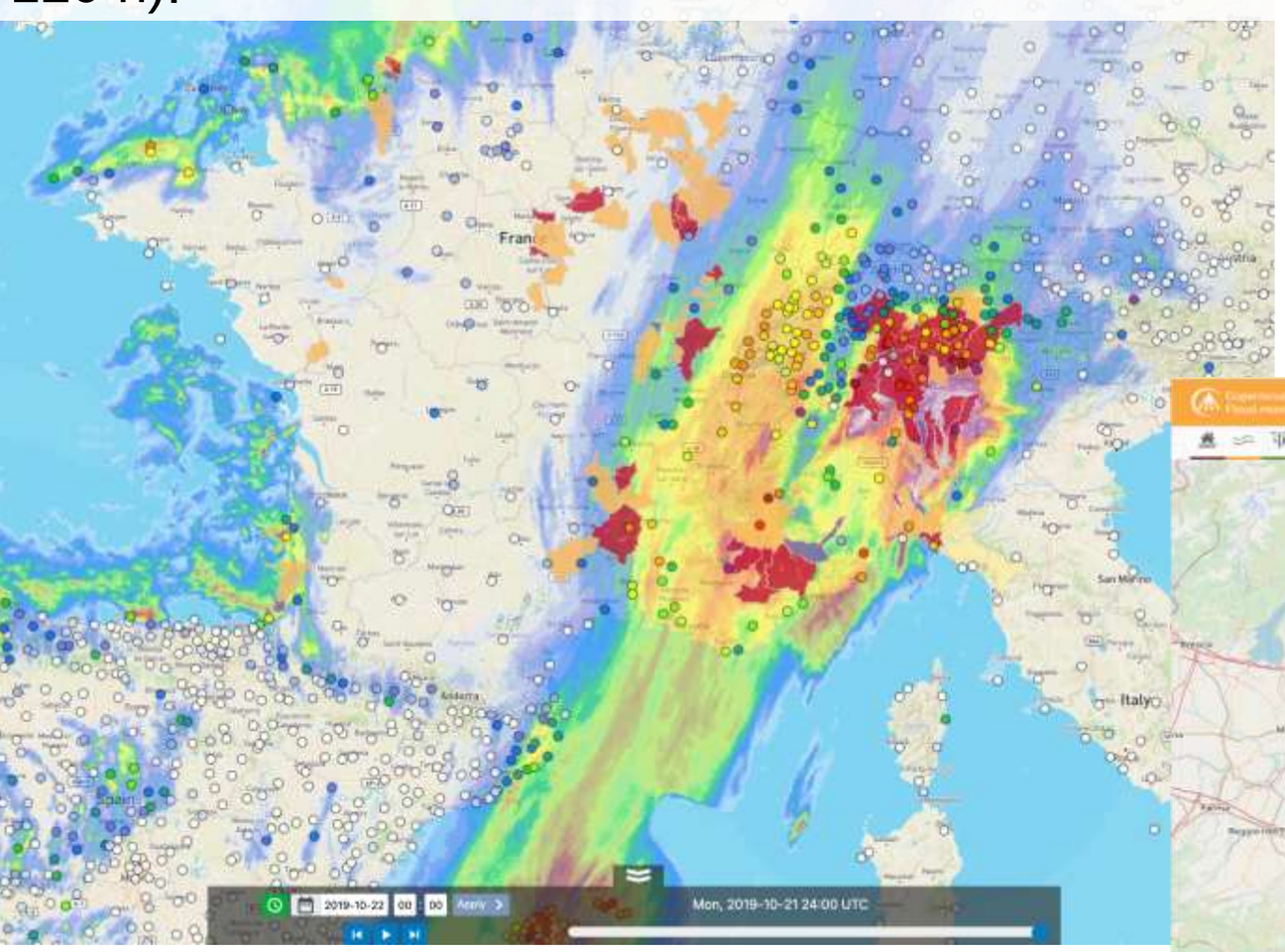
European Union
Civil Protection and
Humanitarian Aid

Main objective

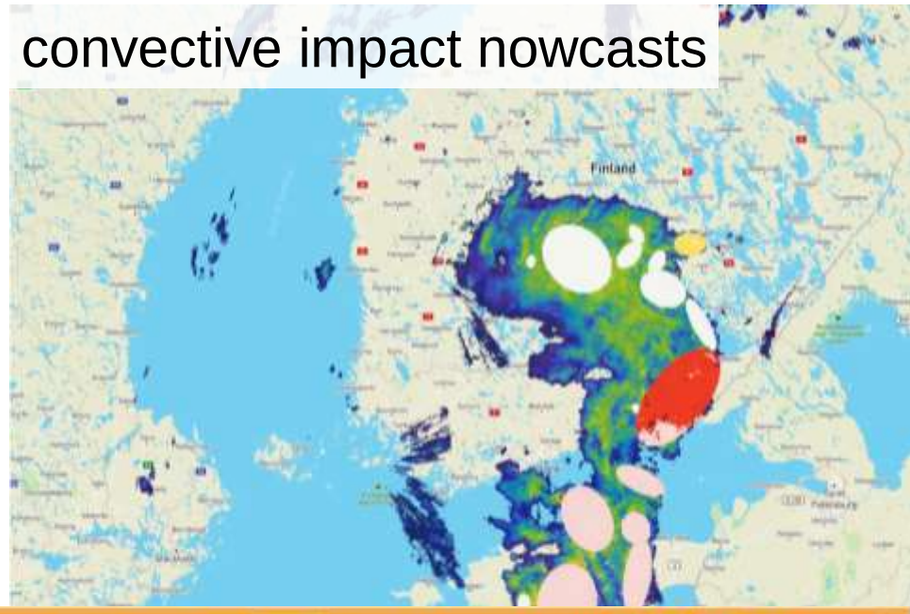
Integrating TAMIR products into the operational EWSs of national, regional and local CPAs, fostering sharing information and cooperation of CPAs during cross-border events and coordination between CPAs.

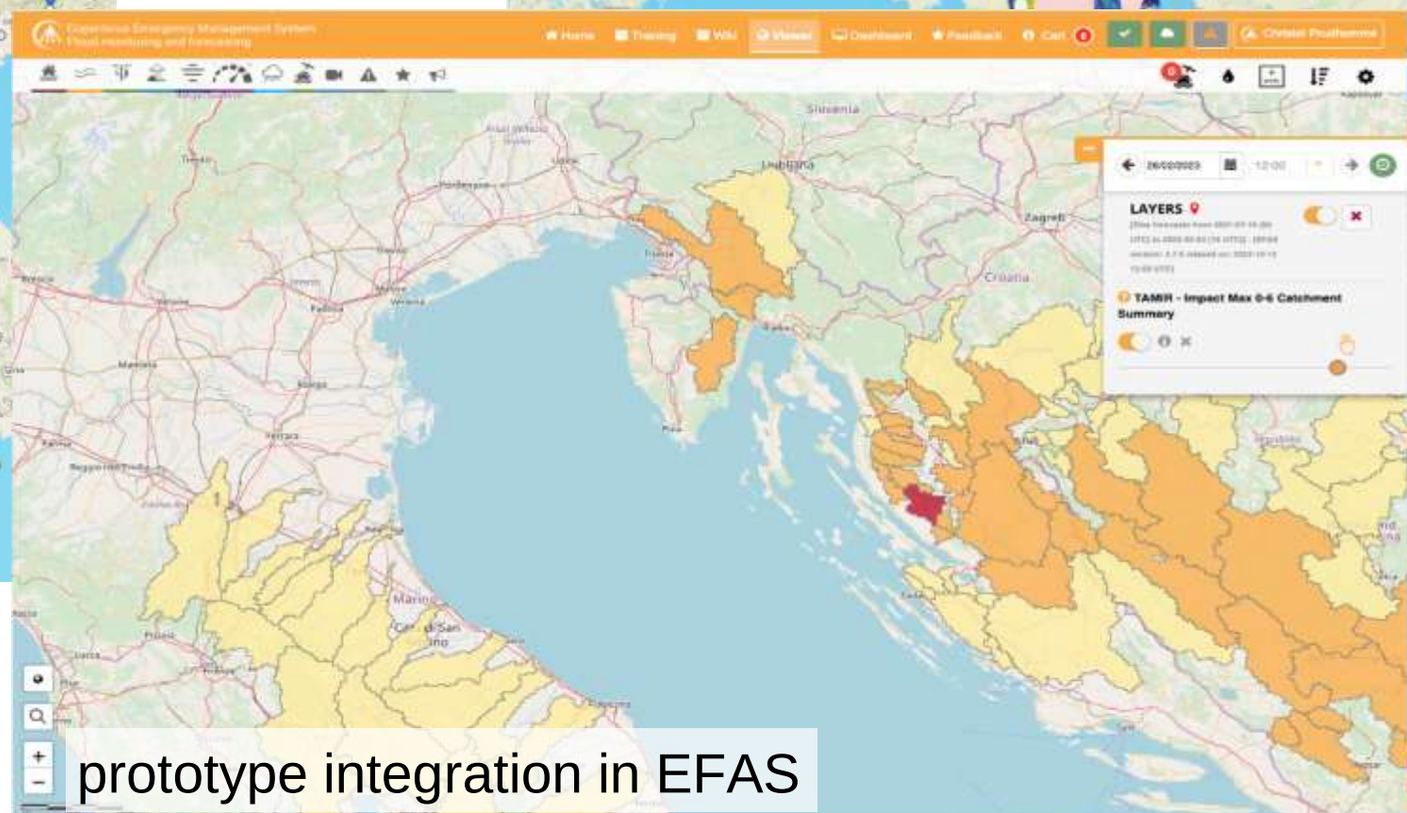
TAMIR products

Real-time pan-European FF impact forecasts (0-120 h).



convective impact nowcasts





prototype integration in EFAS

EDERA

Specific objectives and expected outputs

- **Extend the convective hazard and pluvial flood forecasts over Europe.**
- **Increase the adaptability of the flood impact forecasts to the needs of the end users**, applying a strategy to provide compound impact forecasts, and implement configurable user-defined notifications.

  → *Improved products for flood impact forecasting at European scale*

- **Integrate the flood impact forecasts to the EWS platforms of the end users** for improved preparedness and response management during flood events.
- **Demonstrate the added value of seamless flood impact forecasts through a robust evaluation**, at European scale and in two pilot sites, with end-users analysing the added value for CPAs cooperation in cross-border operations and coordination.

  → *Demonstration for a period of 15 months*

  → *Recommendations for coordination and cross-border cooperation between CPAs*

- **Develop comprehensive guidance material** delivered through dedicated training workshops and e-learning materials.
- **Integrate the developments within the CEMS-Floods EFAS system.**

  → *Sustainability of the products*

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EDERA demonstration

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UNIVERSITAT POLITÈCNICA DE CATALUNYA

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FI+ pilot site

Finnish Meteorological Institute
Helsinki Rescue Department
Kymenlaakso Rescue Services

ARISTOTLE-eENHSP
EUMETNET OPERA

ES-PT pilot site

National Authority of Emergency and Civil Protection
Portuguese Institute for Sea and Atmosphere

Directorate-General for Civil Protection and Emergencies
Environment and Water Agency of Andalusia
Civil Protection of Andalusia
Civil Protection of Puente Genil,
Association of Civil Protection Operators of Andalusia
State Agency of Meteorology

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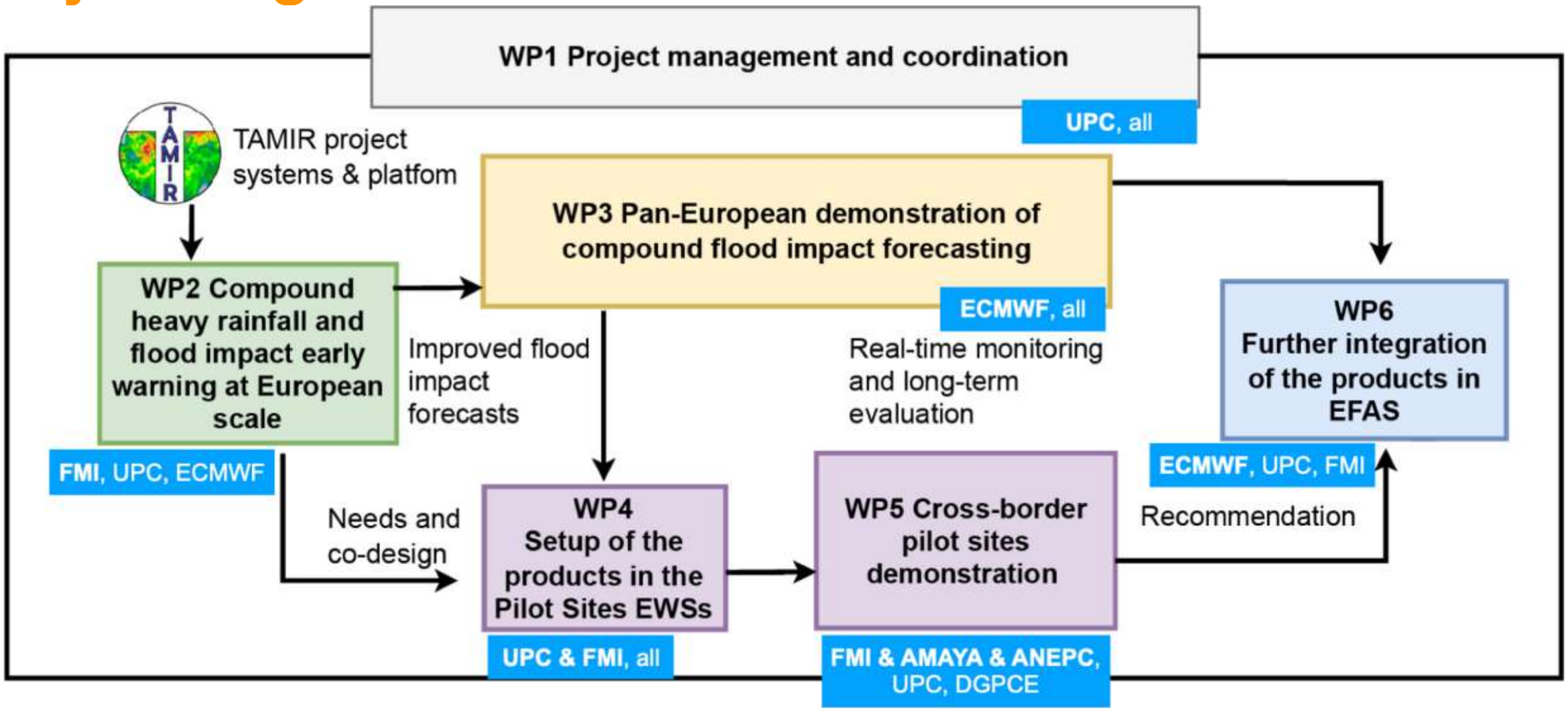
European Union
Civil Protection and Humanitarian Aid

Project organisation



Main events

Mar 2023: 1st EDERA meeting (Sevilla, ES)

Nov 2023: Training activities in the Pilot Sites (Loulé, PT & Helsinki, FI)

Apr 2024: International training (Madrid, ES)

Dec 2024: International workshop (Brussels, BE)

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Civil Protection and
Humanitarian Aid

EDERA
Early warning Demonstration of pan-European rainfall-induced impact forecasts

European Union
Civil Protection and
Humanitarian Aid

EDERA: Early warning Demonstration of pan-European rainfall-induced impact forecasts

website: www.edera-project.eu
email: edera@crahi.upc.edu

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European Commission

Programme	Work programme part
Union Civil Protection Mechanism (UCPM)	UCPM-2022

Call	Work programme year
Prevention and Preparedness Projects on Civil Protection and Marine Pollution (UCPM-2022-PP)	UCPM-2022

Type of action	Type of MGA
UCPM-PJG UCPM Project Grants	UCPM Action Grant Budget-Based [UCPM-AG]

Earthquake Resilient Schools

Building Cooperation and Community resilience against Earthquakes in the Greek-Turkish CBA

EReS
EARTHQUAKE RESILIENT SCHOOLS

INTERNATIONAL HELLENIC UNIVERSITY · GEBZE · AFAD · ITSAK

On behalf of **EReS** Project Partners

Konstantinos PAPATHEODOROU
Project Coordinator

Brussels, March 2023

Basic project data

European Commission

Programme	Work programme part
Union Civil Protection Mechanism (UCPM)	UCPM-2022
Call	**Work programme year**
Prevention and Preparedness Projects on Civil Protection and Marine Pollution (UCPM-2022-PP)	UCPM-2022
Type of action	**Type of MGA**
UCPM-PJG UCPM Project Grants	UCPM Action Grant Budget-Based [UCPM-AG]

Basic Project Data

Total Costs (proposal): **923,784.50 €**

Maximum Grant Amount (award decision): **785,215.92 €**

Area of implementation: **Greece – Türkiye CBA**

Starting date: **March the 1st , 2023**

Duration: **two (2) years**

Consortium

INTERNATIONAL HELLENIC UNIVERSITY

GEBZE TEKNİK ÜNİVERSİTESİ

AFAD
T.C. İÇİŞLERİ BAKANLIĞI
AFET VE ACİL DURUM YÖNETİMİ BAŞKANLIĞI

ITSAK

Short description, Background, Necessity (1/2)

2020-23

BSB JOP 2014-20

Rapid Earthquake Damage Assessment Consortium-REDACt

REDACt
Rapid Earthquake Damage Assessment ConsorTium

2023-25

Union Civil Protection Mechanism-UCPM 2022

EReS
EARTHQUAKE RESILIENT SCHOOLS

The Rapid Earthquake Damage Assessment platform

The Smartphone app

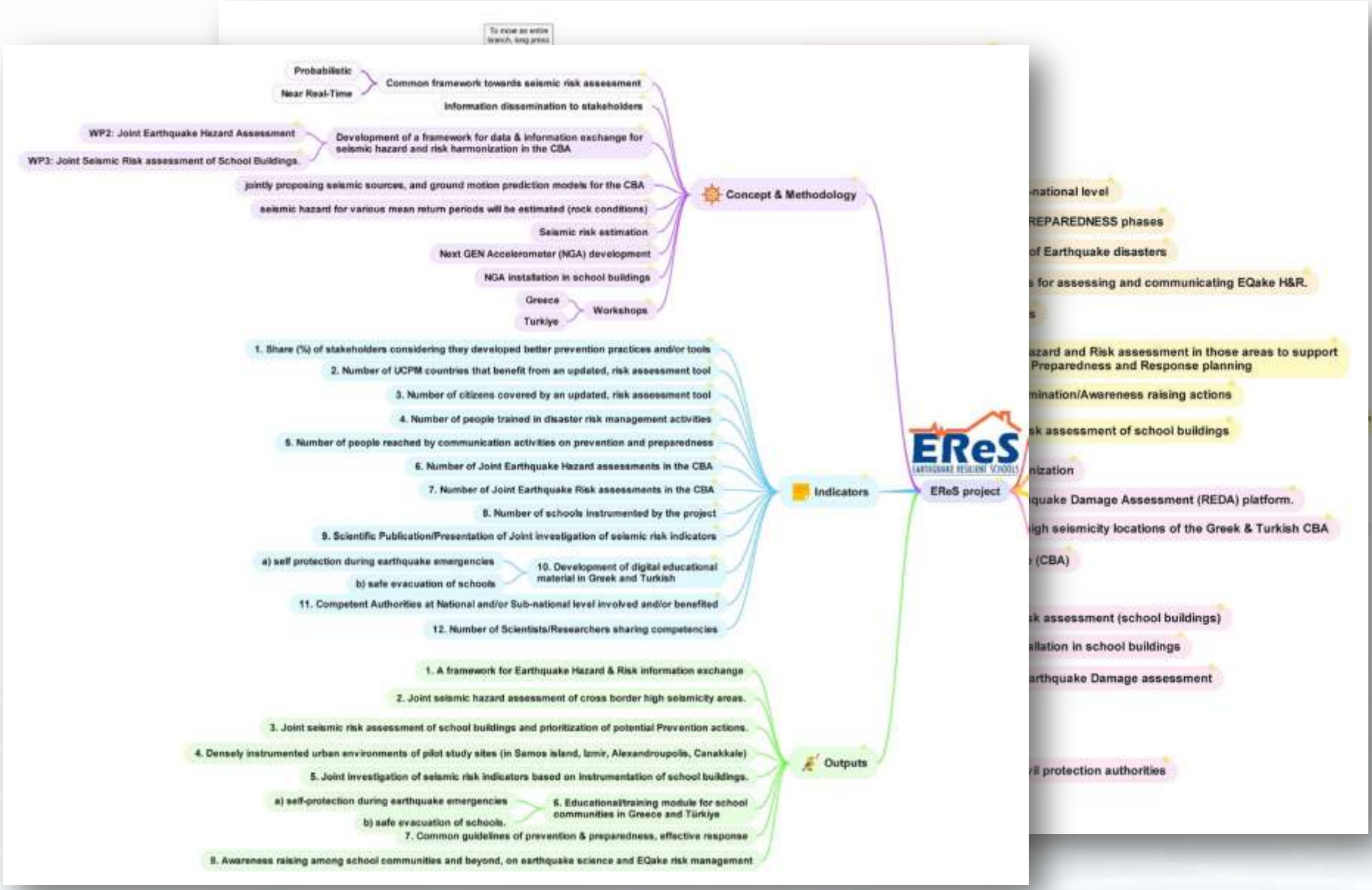
Earthquake event Reports

Quick Feedback Report

The Educational Hub

https://www.redact-project.eu/

Project structure, Outputs & Expected results



Timeline - Milestones - Major events – End Users

Milestones

Number		Name	Lead Beneficiary	Due Date (in months)
M1	✓	MS1 Framework for data & information exchange (Har	AFAD	8
M2	✓	MS2 Joint Hazard Assessment	ITSAK/EPPO	14
M3	✓	MS3 Joint Risk Assessment	GTU	18
M4	✓	MS4 Joint Investigation of seismic risk indicators of sc	ITSAK/EPPO	20

- ✓ Stakeholders: **State Authorities, Civil Protection Authorities, school communities**
- ✓ **Workshop for major stakeholders & school communities in Greece and in Türkiye (end of the project (23-24th month)**

Programme	Work programme part
Union Civil Protection Mechanism (UCPM)	UCPM-2022

Call	Work programme year
Prevention and Preparedness Projects on Civil Protection and Marine Pollution (UCPM-2022-PP)	UCPM-2022

Type of action	Type of MGA
UCPM-PJG UCPM Project Grants	UCPM Action Grant Budget-Based [UCPM-AG]

European Commission

Thank you!

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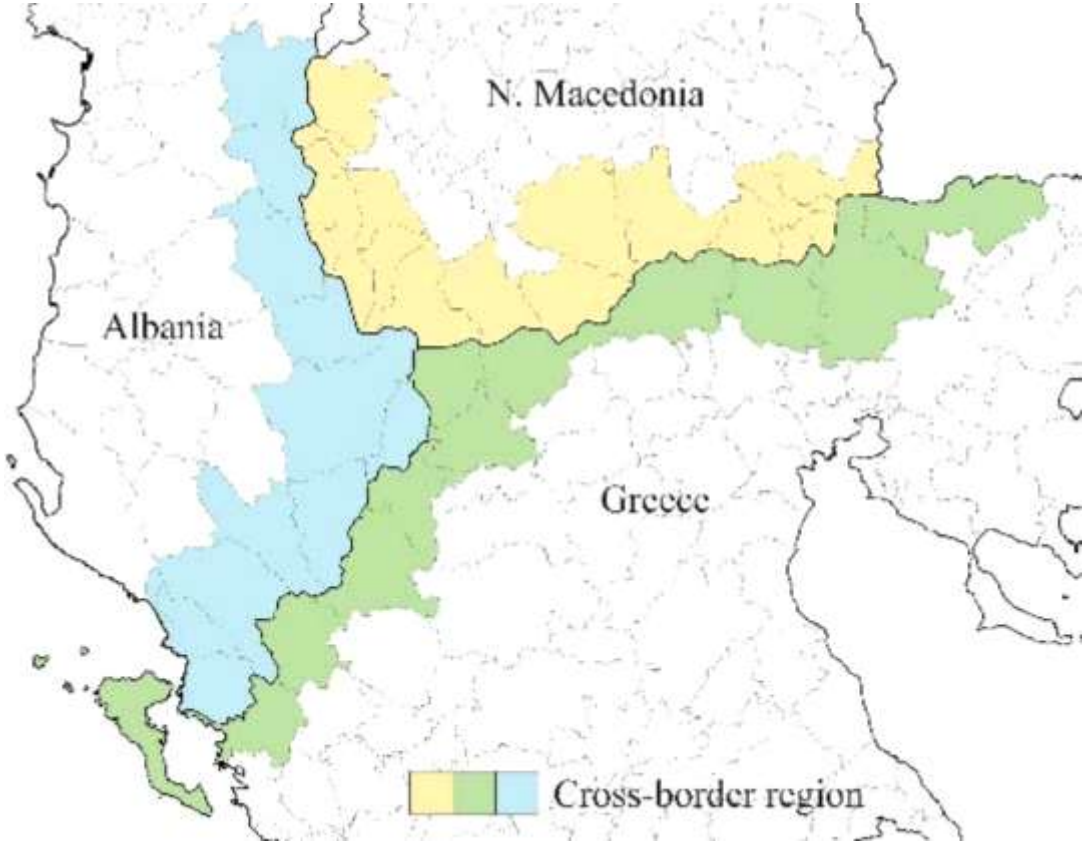
ITSAK

Integrative Strengthening of seismic Risk Awareness – ISRA

Union Civil Protection Mechanism (UCPM)
Ref: 101101255 — ISRA — UCPM-2022-PP

Prof. d-r Vlatko SESOV , Coordinator

MOTIVATION



Thirty seconds, only 30 seconds and the world around you can be changed forever due to an earthquake.

How can we prepare?

How can the society prepare to withstand and survive such a destructive natural disaster?

Earthquakes do not recognize political and state borders.

For the last 5 years, we have witnessed several strong seismic events that have given rise to human casualties and huge economic losses.

Clearly and accurately informed citizen is the first and primary prerequisite for developing an efficient system for protection and mitigation of the consequences of future strong earthquakes.

This is the **main idea of ISRA**.

PROJECT PARTNERS

IZIIS	Institute of Earthquake Engineering and Engineering Seismology, Ss. Cyril and Methodius University in Skopje
ICSSKOPJE	Institute of Communication Studies, Skopje
UPT	Polytechnic University of Tirana, Faculty of Civil Engineering
AUTH	Aristotle University of Thessaloniki
EUCENTRE	European Centre for Training and Research in Earthquake Engineering

ESTIMATED BUDGET

PARTNER	TOTAL COST (EUR)	EC contribution (EUR)
IZIIS	179 394.06	152 484.95
ICSSKOPJE	77 846.78	66 169.76
UPT	57 820.66	49 147.56
AUTH	87 553.82	74 420.75
EUCENTRE	87 062.69	74 003.29
TOTAL	**489 678.01**	**416 226.31**

OBJECTIVES

The project addresses **Priority 3: Risk Awareness** of the Call

Main Project Pillars :

(1) EU practices and status of risk awareness,

(2) Enhancement of cross-border risk awareness

(3) Assessment of raised cross border risk awareness.

Project OUTCOMES

- Modern digital forms through **education** and **media campaign** - to increase knowledge in clear, intelligible, imagery and amusing way.
- Development of local, national, regional and global user-friendly systems and services for **exchange of information on good practices**, cost effective and easy-to-use disaster risk reduction technologies.
- **Social impact and higher standards** – towards strengthening of **society resilience**

ISRA

Be Inform , Be Aware , Be Prepare – build your own resilience

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MULTIDIMENSIONAL SEISMIC RISK ASSESSMENT COMBINING STRUCTURAL DAMAGES AND PSYCHOLOGICAL CONSEQUENCES USING EXPLAINABLE ARTIFICIAL INTELLIGENCE

Call: UCPM-2022-PP: Prevention and Preparedness Projects on Civil Protection and Marine Pollution

Priority 1: Cross-border risk assessment for identified cross-border risks

BENEFICIARIES

eCampus University – Italy
Francesco Focacci

University of Pisa – Italy
Francesco Pistolesi

Gasilska Zveza Slovenije - Slovenija
Neža Strmole

Medjimurje County – Croatia
Alan Resman

➡ TWO SHARED BORDERS

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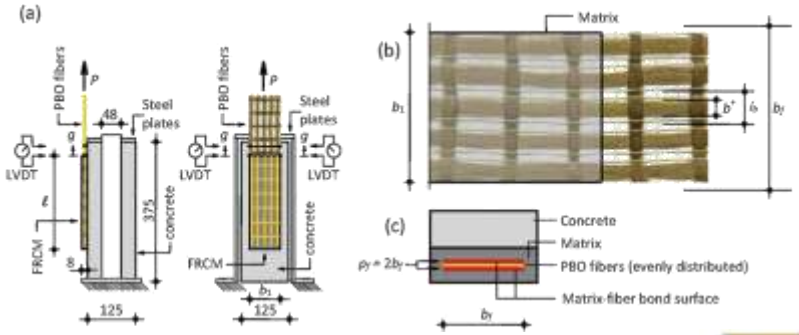
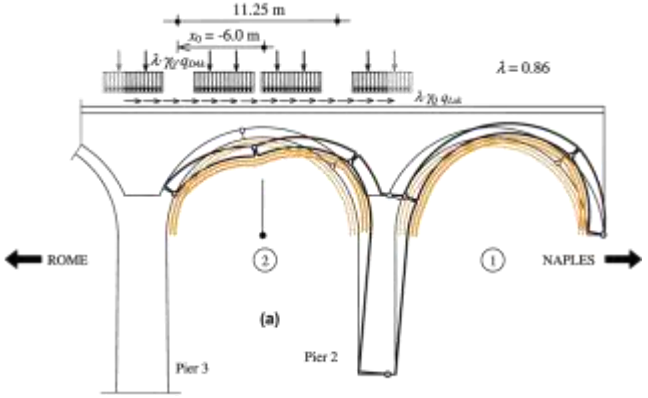
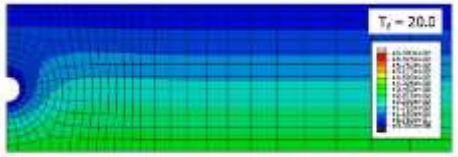
eCampus team

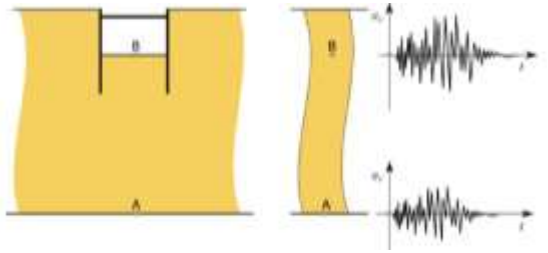
Francesco Focacci
Structural engineer



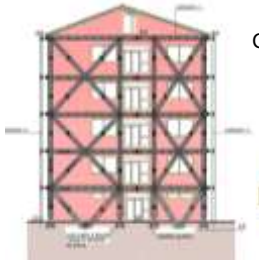


Elisabetta Cattoni
Geotechnical engineer

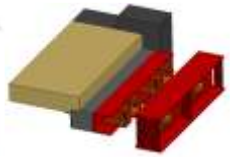




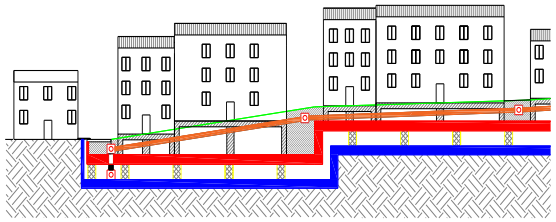
Fabrizio Comodini
Structural engineer



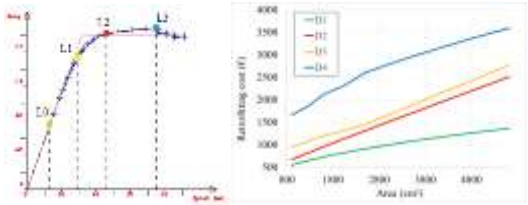
COUPLING EXOSKELETON AND RC BUILDINGS FOR SEISMIC UPGRADE



LARGE-SCALE SEISMIC ISOLATION



FAST PROCEDURE FOR THE ASSESSEMENT OF CONSEQUENCES OF EARTHQUAKES



Elena Camisasca
Psychologist

Researchers purposely recruited (civil engineers and psychologists)

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SEISMIC RISK ASSESSMENT → **Prediction the probability of damages and economic losses produced by a potential seismic event**

IMPORTANCE OF SEISMIC RISK ASSESSMENT

PLANNING MITIGATION STRATEGIES → **PUBLIC ADMINISTRATIONS**

ENGAGEMENT WITH END USERS

MANAGEMENT OF THE CIVIL PROTECTION EMERGENCY → **CIVIL PROTECTION AUTHORITIES**

- Detect critical situations (poor/old structure) and plan strengthening strategies
- Rational use of economic resources
- Using the current KB and/or adding new data, thus improving accuracy

- Define optimal emergency management procedures based on the expected damage scenarios
- Include planning of psychological support

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SEISMIC RISK ASSESSMENT → **Prediction the probability of damage and economic losses produced by a potential seismic event**

TWO DIMENSIONS OF DAMAGE →
- **STRUCTURAL DAMAGES**
- **PSYCHOLOGICAL CONSEQUENCES**

} **PRODUCED BY A SEISMIC EVENT**

Depression
Anxiety
Post-traumatic stress disorder

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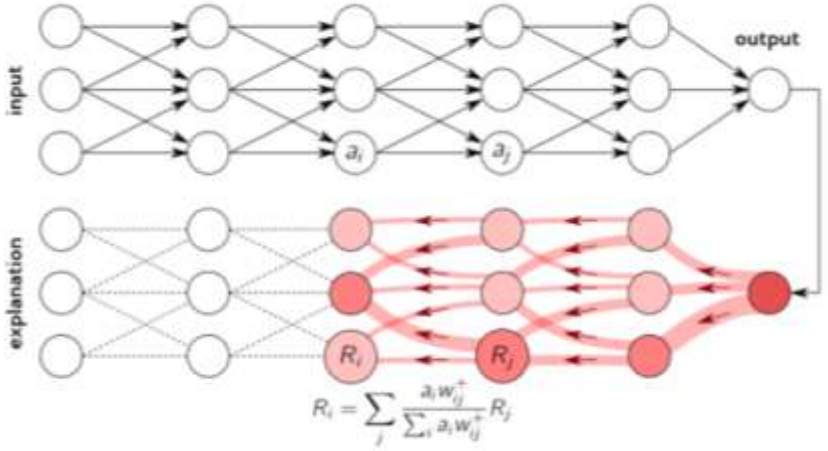
EXPLAINABLE ARTIFICIAL INTELLIGENCE

- Used to associate each real structure with a **class of structures** based on similarity criteria
- Used to associate each real family with a **class of families** based on similarity criteria
- Used to associate the **losses** with the predicted level of **damage** caused by an earthquake and forecast the **psychological consequences** for the individuals involved



ADVANTAGES

- Possibility to learn accurate functions from data to correlate a seismic event to the level of damage, and in turn to the level of losses
- Possibility make the risk assessment **increasingly accurate as new data** (from measurements, structural calculation or psychological assessments) **are introduced**

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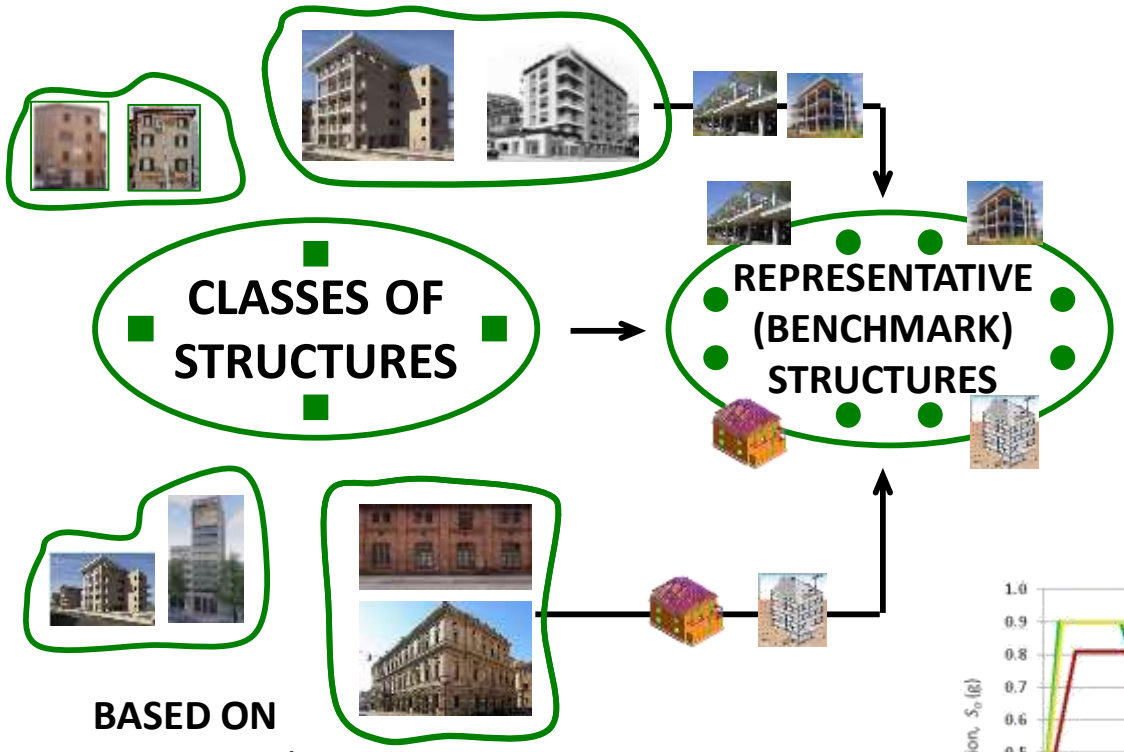
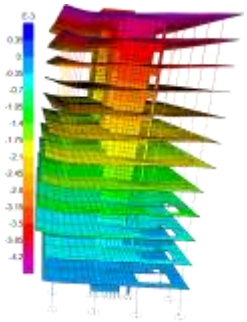
Dimension 1: structural damages





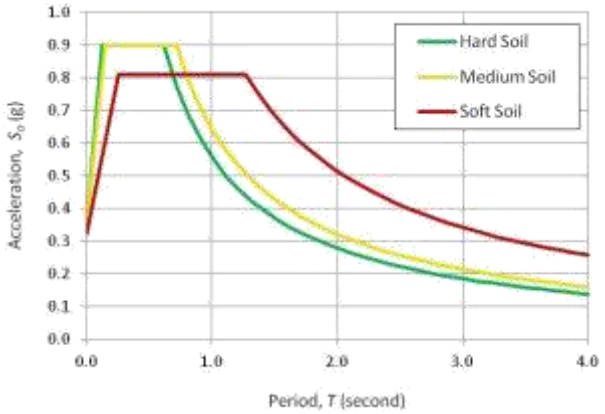
STRUCTURAL ANALYSIS

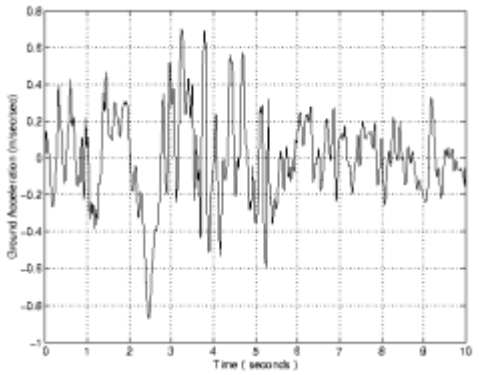
REPRESENTATIVE SEISMIC ACTIONS

STRUCTURAL DAMAGES

BASED ON

- materials
- dimensions
- time of construction
- design code
- …….





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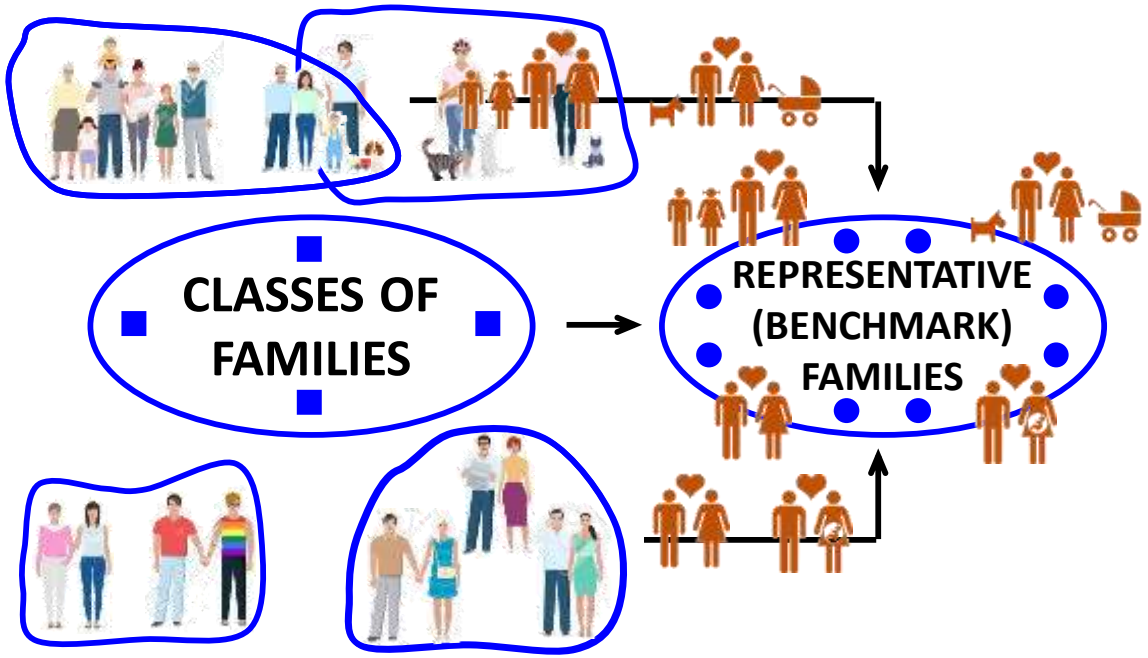
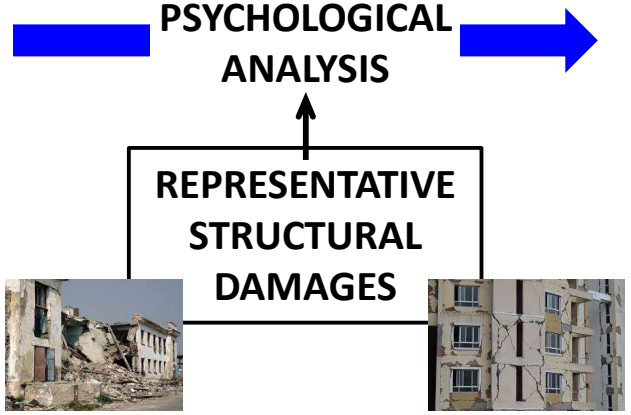
Dimension 2: psychological consequences





PSYCHOLOGICAL CONSEQUENCES

BASED ON

- **Socio-demographic indicators**
  - number of components
  - level of education
  - total income
  - ……..
- **Psychological indicators**
  - mental health
  - disabilities
  - family relations
  - …….

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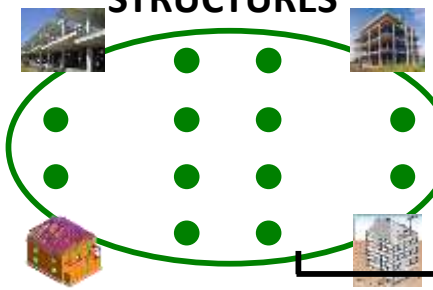
MULTIDIMENSIONAL SEISMIC RISK ASSESSMENT COMBINING STRUCTURAL DAMAGES AND PSYCHOLOGICAL CONSEQUENCES USING EXPLAINABLE ARTIFICIAL INTELLIGENCE

CLASSES OF STRUCTURES

REPRESENTATIVE (BENCHMARK) STRUCTURES



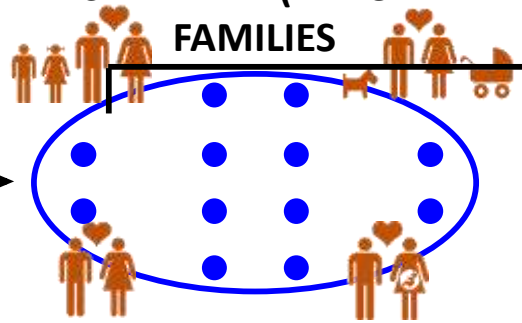
REPRESENTATIVE SEISMIC ACTIONS

STRUCTURAL ANALYSIS

STRUCTURAL DAMAGES

CLASSES OF FAMILIES

REPRESENTATIVE (BENCHMARK) FAMILIES



PSYCHOLOGICAL ANALYSIS

PSYCHOLOGICAL CONSEQUENCES

REAL STRUCTURES AND FAMILIES

EXPECTED SEISMIC ACTION

XAI TO ESTABLISH SIMILARITY CRITERIA

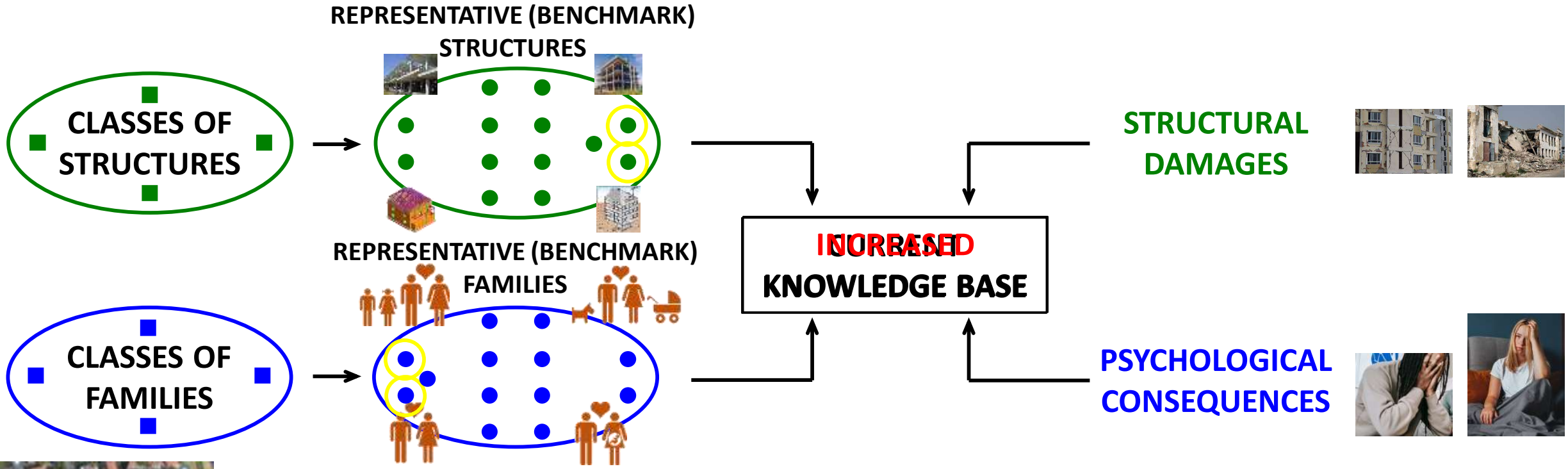
RISK ASSESSMENT INCLUDING STRUCTURAL AND PSYCHOLOGICAL DAMAGES AND LOSSES

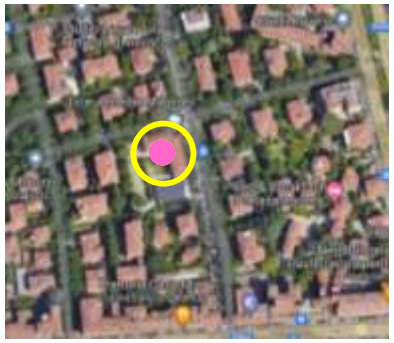
MEDEA
Multidimensional seismic risk assessment through explainable artificial intelligence

Co-funded by the European Union

eCAMPUS UNIVERSITÀ

MULTIDIMENSIONAL SEISMIC RISK ASSESSMENT COMBINING STRUCTURAL DAMAGES AND PSYCHOLOGICAL CONSEQUENCES USING EXPLAINABLE ARTIFICIAL INTELLIGENCE





REAL STRUCTURES AND FAMILIES

EXPECTED SEISMIC ACTION

XAI TO ESTABLISH SIMILARITY CRITERIA

INCREASED ACCURACY OF THE RISK ASSESSMENT INCLUDING STRUCTURAL AND PSYCHOLOGICAL DAMAGES AND LOSSES

MEDEA
Multidimensional seismic risk assessment through explainable artificial intelligence

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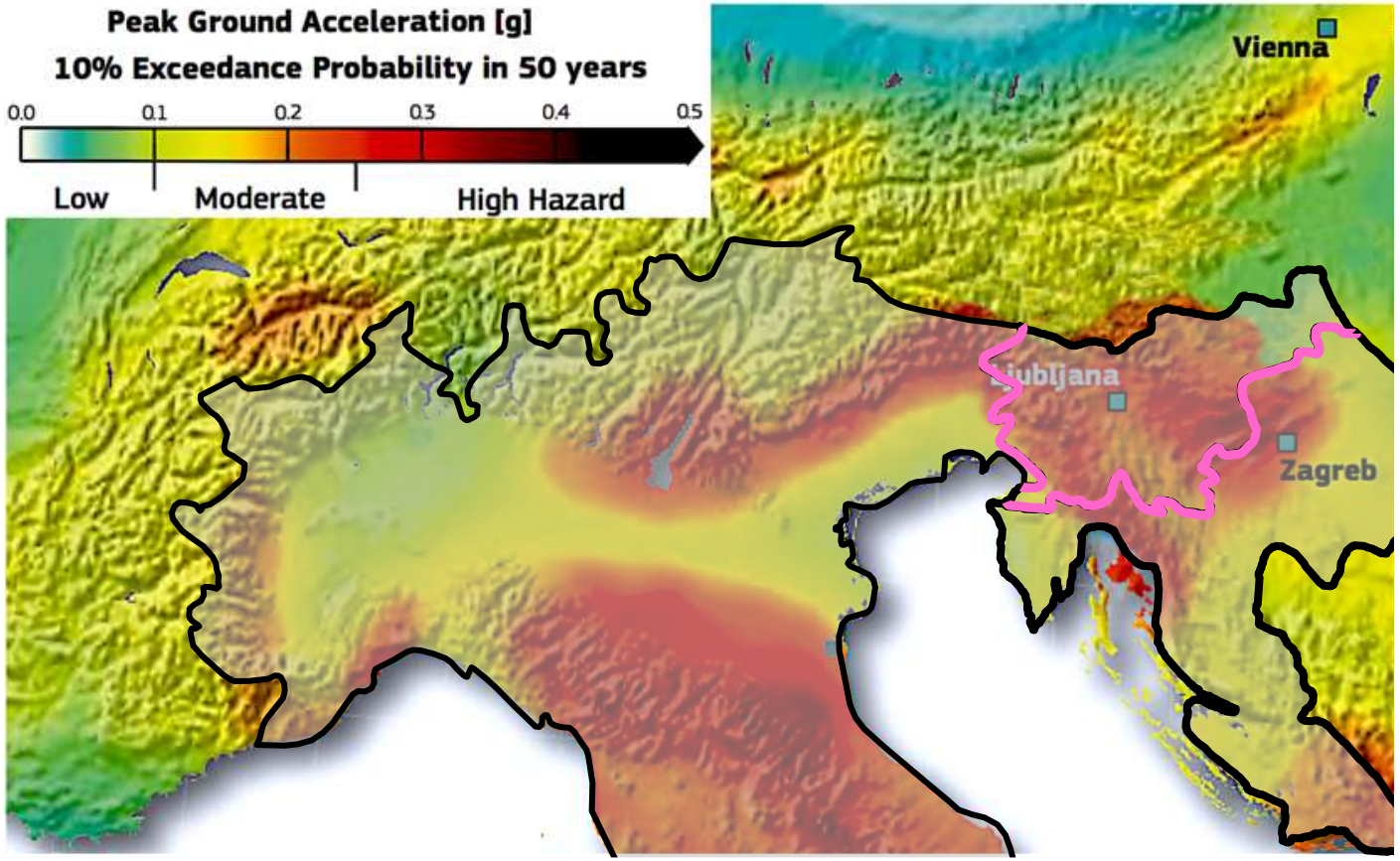
MULTIDIMENSIONAL SEISMIC RISK ASSESSMENT COMBINING STRUCTURAL DAMAGES AND PSYCHOLOGICAL CONSEQUENCES USING EXPLAINABLE ARTIFICIAL INTELLIGENCE

GEOGRAPHICAL AREA OF ACTIVITY

Risk assessment performed in cross-border pilot areas

- → at the border between Italy and Slovenia
- → at the border between Slovenia and Croatia



MEDEA
Multidimensional seismic risk assessment through explainable artificial intelligence

Co-funded by the European Union

eCAMPUS UNIVERSITÀ

MULTIDIMENSIONAL SEISMIC RISK ASSESSMENT COMBINING STRUCTURAL DAMAGES AND PSYCHOLOGICAL CONSEQUENCES USING EXPLAINABLE ARTIFICIAL INTELLIGENCE

MAIN OUTCOMES

- **WEB application to perform risk assessment**
  - → remains online after the end of the project
  - → can be improved by adding classes and benchmarks
- **Guideline and tutorials for use of the WEB application with current knowledge base**
- **Guideline for the identification of the most vulnerable families to seismic events**
- **Guideline for adding new classes and benchmark structures/families**
- **Risk assessment of two cross-border areas**
- **Enhance cross-border cooperation in crisis management**
- **Sharing of knowledge**

MEDEA
Multidimensional seismic risk assessment through explainable artificial intelligence

Co-funded by the European Union

eCAMPUS UNIVERSITÀ

BENEFICIARIES

eCampus University **(eCampus)**
University of Pisa **(UNIPI)**
Gasilska Zveza Slovenije **(GSZ)**
Medjimurje County **(MED)**

SUPPORTED BY

Civil Protection Authorities of the three countries

Association of Italian Municipalities (ANCI)

Italian Society for the Study of Traumatic Stress (SISST)

Stella Maris Foundation (Scientific Institute for Childhood and Adolescent Neuropsychiatry, RCCS)

ACTIONS	eCampus	UNIPI	GZS	MED	ANCI	SISST	IRCCS
Definition of classes and benchmarks	●						
Structural analysis	●		●	●			
Psychological analysis	●					●	●
Implementation of XAI models		●					
Web application		●					
Guideline for use of the system	●	●					
Guideline for new benchmarks	●	●					
Guideline for psychological assessments	●					●	●
Collecting data for pilot studies			●	●	●		
Risk assessment in cross-border areas	●	●	●	●			

Prevention and Preparedness Projects on Civil Protection and Marine Pollution
(Call for Proposals UCPM-2022-PP)

OVERC.O.M.E.

Cross-border c**O**operation in **M**anaging **E**mergency

9th March 2023

Kick-off Meeting

Italian National Fire and Rescue Service

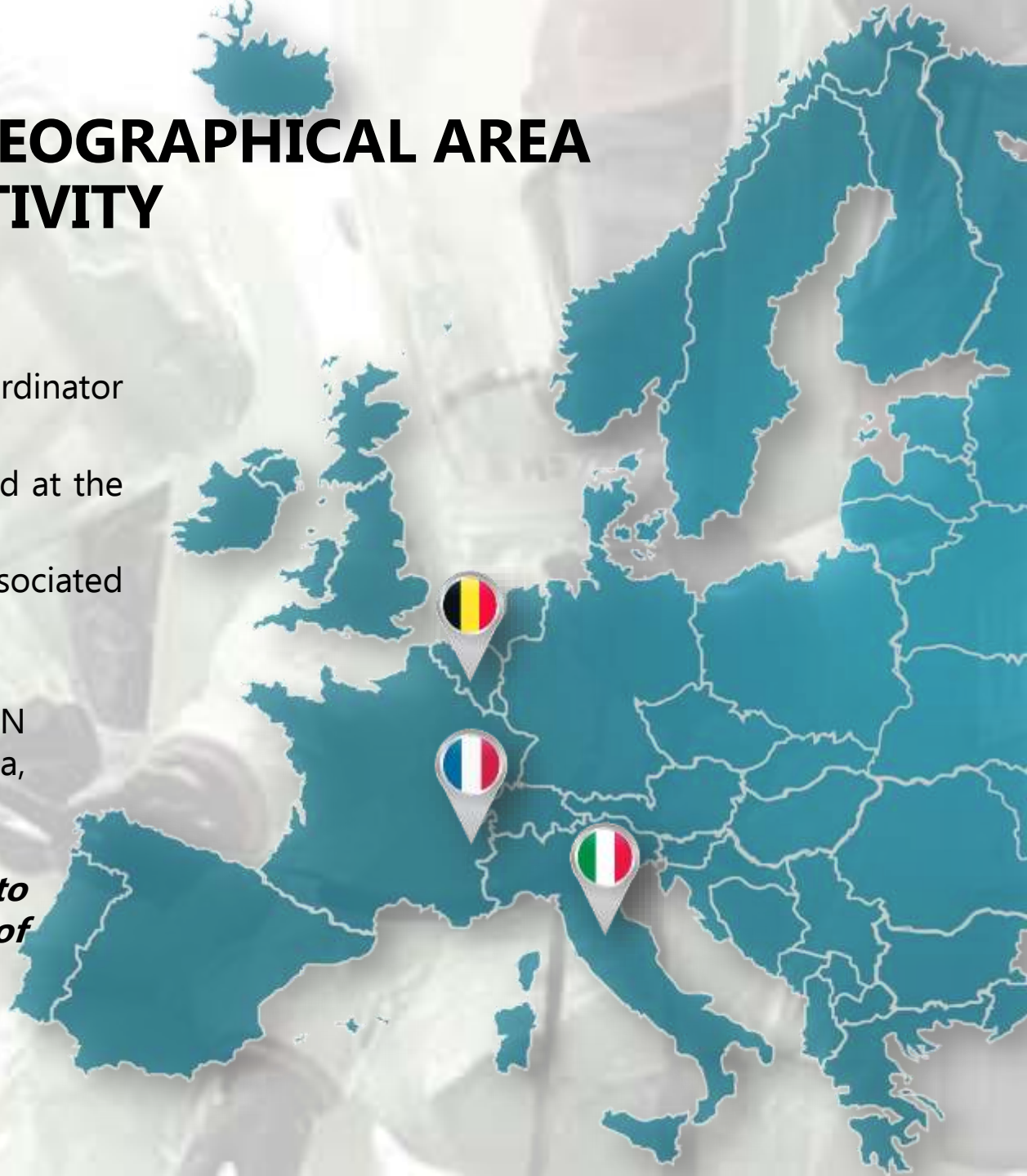
Monia D'Amico, project manager
Massimiliano Mori, partner coordinator

CONSORTIUM AND GEOGRAPHICAL AREA OF ACTIVITY

- Italian National Fire and Rescue Service (end-user) – coordinator beneficiary
- Departmental Fire and Rescue Service of Savoie (SDIS73) based at the border with Italy (end-user) – associated beneficiary
- International CBRNE Institute (ICI) based in Belgium – associated beneficiary

CBRN Experts are invited from supporting bodies or from CBRN modules registered (Slovenia, Czech Republic, Spain, Austria, Portugal and CTIF)

The project stems from end-users for end-users to respond to real operational needs through the outputs at the end of OVERC.O.M.E.



OVERC.O.M.E. IN NUMBERS

Total estimated eligible cost:	**€858,140.20**
EU Co-funding:	**€729,417.44**
Number of months:	**25**

OPERATIONAL OBJECTIVES

Contributing to enhance mutual cooperation for border general interventions between Italy and France

Improving the quality of CBRN operations, enhancing the coordination to take the "right decision", and interoperability ensuring a "Team Europe" approach

EXPECTED MAIN OUTPUTS

Virtual Operational Room (S.O.F.I.A.)
***S**ala **O**perativa **F**rancia **I**talia **A**rco Alpino*
Salle Opérationnelle France Italie Arc Alpin

Procedures for CBRN with standardised forms

Prometheus for CBRN and SOFIA

Prometheus – Data Management System – for CBRN and S.O.F.I.A.

"Prometheus" actually available for USAR scenario, is freely downloadable in the 6 UN languages (Arabic, Chinese, English, French, Spanish, Russian), plus IT and already set in the FR and IT national servers (FR Valabre and IT CNVVF) from:

https://prometheusproject.eu/download/

or

https://www.vigilfuoco.it/aspx/Page.aspx?IdPage=10314

Co-funded by DG ECHO, EC, UCPM Call 2019 PP -AG Prometheus Project, no. 874380

TRANSBORDER CO-OPERATION

BACKGROUND INFORMATION

Lack of shared operational procedures at the border for joint interventions and also for intervention in the neighbouring country

Lack of a common exchange system to coordinate border interventions

Inter-State Protocols between IT and FR of interventions (i.e. at the tunnels)
Proximity of the two main Fire Depts. of Turin and Chambéry
Joint intervention happen for any kind of risks (i.e. accident in the tunnels, forest-fighting, flood).

The dangerous goods transportation interests the area of Briançon, Montgenèvre till Oulx. The municipalities of Clavière, Bardonecchia and Cesana Torinese are also sites of joint-interventions for fires and car accidents.

TRANSBORDER CO-OPERATION

OBJECTIVE

reducing time between "alert" and "deployment" by knowing the available resources and by identifying the right resource to be dispatched from one side of the border to the other one

Through:

- retrieving and merging information and making them usable for the "right decision";
- making clarity in the command structure in case of joint intervention;
- improving the management of teams and general response efficiency.

OUTPUT

Virtual Operational Room (S.O.F.I.A.) ***S****ala* ***O****perativa* ***F****rancia* ***I****talia* ***A****rco Alpino Salle Opérationnelle France Italie Arc Alpin*

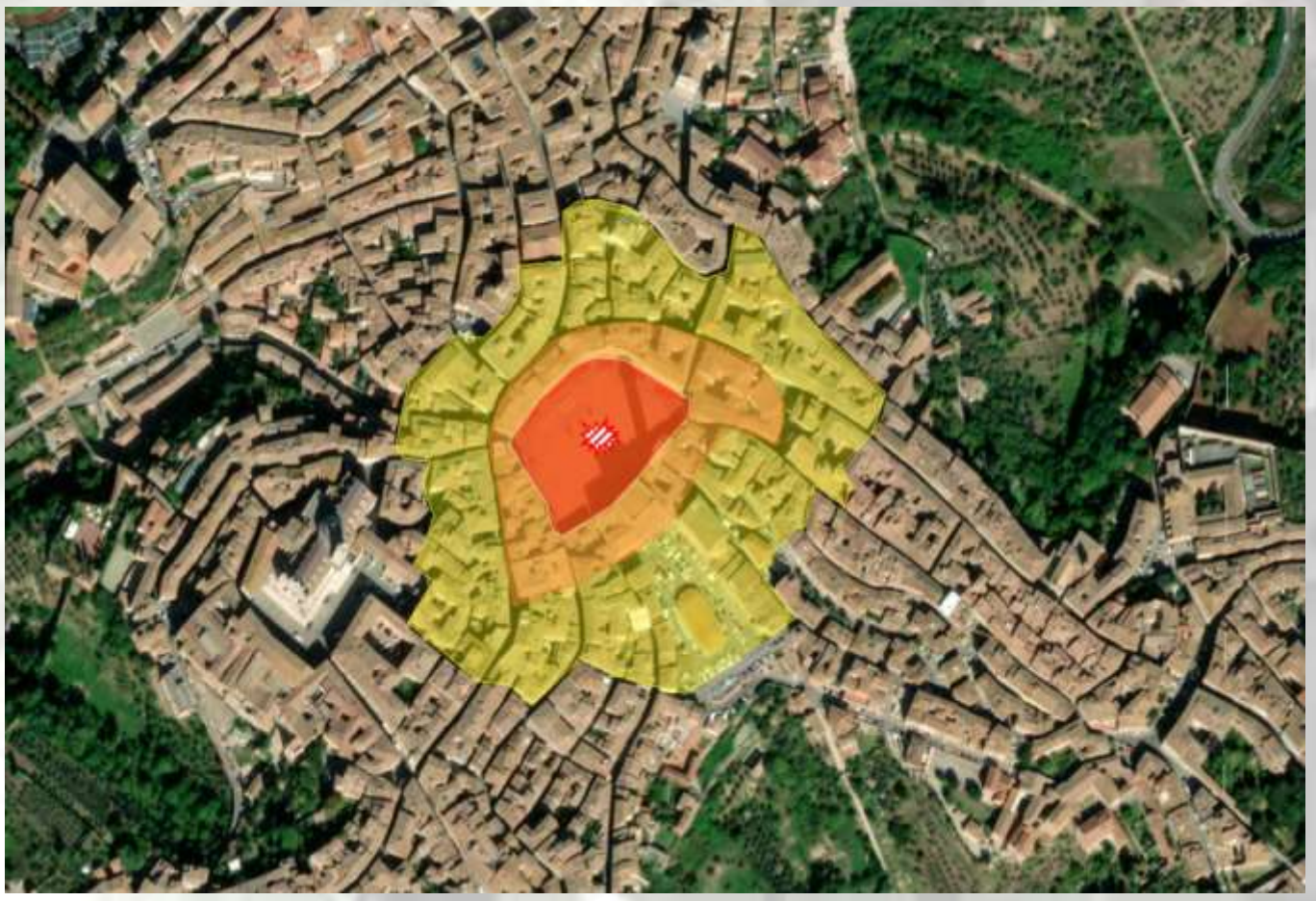
Prometheus for S.O.F.I.A.

CBRN SCOPE

BACKGROUND INFORMATION

Lack of standard operational forms and of a data management system to support coordination of a CBRN event

Data collection from the affected zone and a digital support facilitate coordination, decision making and general management of a CBRN emergency



DECISIONS

COMMISSION IMPLEMENTING DECISION

of 16 October 2014

laying down rules for the implementation of Decision No 1313/2013/EU of the European Parliament and of the Council on a Union Civil Protection Mechanism and repealing Commission Decisions 2004/277/EC, Euratom and 2007/606/EC, Euratom

(notified under document C(2014) 7489)

(Text with EEA relevance)

(2014/762/EU)

"to enhance the interoperability of modules, measures are needed at Union and Member States levels"

(4) In order to ensure operational effectiveness, minimum requirements should be defined for the modules, other response capacities and experts identified in accordance with Article 9(1) of Decision No 1313/2013/EU, as well as for their operational requirements, functioning, and interoperability, as provided for in Article 9(2) of Decision No 1313/2013/EU. In particular, modules should be capable of working self-sufficiently for a given period of time, be quick to deploy, and interoperable. In order to enhance the interoperability of modules, measures are needed at Union and Member State levels.

(5) The capacity goals for the European Emergency Response Capacity (EERC) should be defined and regularly reviewed in order to have a sufficient number of all necessary types of modules, other response capacities, and experts available for deployments under the Union Mechanism. The quality and interoperability requirements should be defined and regularly reviewed to ensure a uniform minimum level of quality and interoperability of all capacities participating in the EERC.

"The quality and interoperability requirements should be defined and regularly reviewed"

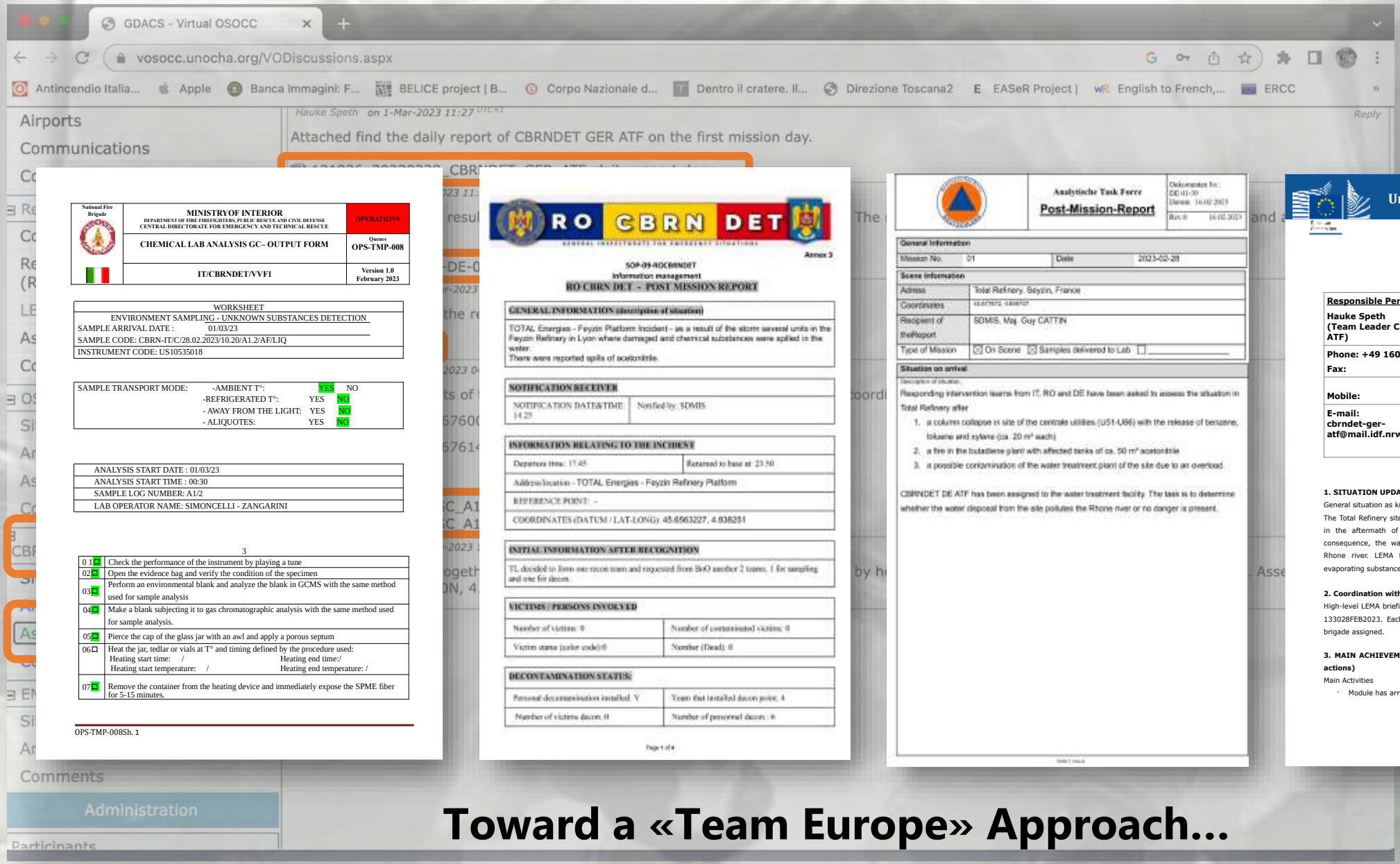
12. Chemical, biological, radiological and nuclear detection and sampling (CBRN)

Tasks	— Carry out/confirm the initial assessment, including: • the description of the dangers or the risks, • the determination of the contaminated area, • the assessment or confirmation of the protective measures already taken. — Perform qualified sampling. — Mark the contaminated area. — Prediction of the situation, monitoring, dynamic assessment of the risks, including recommendations for warning and other measures. — Provide support for immediate risk reduction.
Capacities	— Identification of chemical and detection of radiological hazards through a combination of hand held, mobile and laboratory based equipment: • ability to detect alpha, beta and gamma radiation and to identify common isotopes, • ability to identify, and if possible, perform semi-quantitative analyses on common toxic industrial chemicals and recognised warfare agents. — Ability to gather, handle and prepare biological, chemical and radiological samples for further analyses elsewhere (1). — Ability to apply an appropriate scientific model to hazard prediction and to confirm the model by continuous monitoring. — Provide support for immediate risk reduction: • hazard containment, • hazard neutralisation, • provide technical support to other teams or modules.

13. Search and rescue in CBRN conditions

Tasks	— Special search and rescue using protective suits.
Capacities	— Special search and rescue using protective suits, in accordance with the requirements of the medium and heavy urban search and rescue modules as appropriate. — Three people working simultaneously in the hot zone. — Continuous intervention during 24 hours
Main components	— Marking material. — Secure and safe containment for the waste. — Decontamination facilities for the personnel and the rescued victims. — Appropriate personnel and protective equipment to sustain a search and rescue operation in a contaminated environment, in accordance with the requirements of the medium and heavy urban search and rescue modules as appropriate. — Supply of technical equipment for hazard containment and neutralisation.
Self-sufficiency	— Elements (a) to (i) of Article 3b(1) apply.
Deployment	— Availability for departure maximum 12 hours after the acceptance of the offer.

CBRN MODEX LYON, FEBRUARY - MARCH 2023



National Fire Brigade

MINISTRYOF INTERIOR
DEPARTMENT OF FIRE FIREFIGHTERS, PUBLIC RESCUE AND CIVIL DEFENSE
CENTRAL DIRECTORATE FOR EMERGENCY AND TECHNICAL RESCUE

OPERATIONS

CHEMICAL LAB ANALYSIS GC– OUTPUT FORM

Queues
OPS-TMP-008

IT/CBRNDET/VVF1

Version 1.0
February 2023

WORKSHEET
ENVIRONMENT SAMPLING - UNKNOWN SUBSTANCES DETECTION
SAMPLE ARRIVAL DATE : 01/03/23
SAMPLE CODE: CBRN-IT/C/28.02.2023/10.20/A1.2/AF/LIQ
INSTRUMENT CODE: US10535018

SAMPLE TRANSPORT MODE:	-AMBIENT T°:	YES	NO
	-REFRIGERATED T°:	YES	NO
	- AWAY FROM THE LIGHT:	YES	NO
	- ALIQUOTES:	YES	NO

ANALYSIS START DATE : 01/03/23
ANALYSIS START TIME : 00:30
SAMPLE LOG NUMBER: A1/2
LAB OPERATOR NAME: SIMONCELLI - ZANGARINI

3

0 1☐	Check the performance of the instrument by playing a tune
02☐	Open the evidence bag and verify the condition of the specimen
03☐	Perform an environmental blank and analyze the blank in GCMS with the same method used for sample analysis
04☐	Make a blank subjecting it to gas chromatographic analysis with the same method used for sample analysis.
05☐	Pierce the cap of the glass jar with an awl and apply a porous septum
06☐	Heat the jar, tedlar or vials at T° and timing defined by the procedure used: Heating start time: / Heating end time:/ Heating start temperature: / Heating end temperature: /
07☐	Remove the container from the heating device and immediately expose the SPME fiber for 5-15 minutes.

OPS-TMP-008Sh. 1

RO CBRN DET
GENERAL INSPECTORATE FOR EMERGENCY SITUATIONS

Annex 3

SOP-09-ROCBRNDET
Information management
RO CBRN DET - POST MISSION REPORT

GENERAL INFORMATION (description of situation)

TOTAL Energies - Feyzin Platform Incident – as a result of the storm several units in the Feyzin Refinery in Lyon where damaged and chemical substances were spilled in the water.
There were reported spills of acetonitrile.

NOTIFICATION RECEIVER

NOTIFICATION DATE&TIME 14:25	Notified by: SDMIS

INFORMATION RELATING TO THE INCIDENT

Departure time: 17.45	Returned to base at: 23.50
Address/location - TOTAL Energies - Feyzin Refinery Platform	
REFERENCE POINT: -	
COORDINATES (DATUM / LAT-LONG): 45.6563227, 4.838251	

INITIAL INFORMATION AFTER RECOGNITION

TL decided to form one recon team and requested from BsO another 2 teams. 1 for sampling and one for decon.

VICTIMS / PERSONS INVOLVED

Number of victims: 0	Number of contaminated victims: 0
Victim status (color code)=0	Number (Dead): 0

DECONTAMINATION STATUS:

Personal decontamination installed: Y	Team that installed decon point: 4
Number of victims decon: 0	Number of personnel decon : 6

Page 1 of 4

Analytische Task Force

Post-Mission-Report

General Information			
Mission No.	01	Date	2023-02-28

Scene information	
Adress	Total Refinery Feyzin, France
Coordinates	[illegible]
Recipient of theReport	SDMIS, Maj. Guy CATTIN
Type of Mission	☒ On Scene ☒ Samples delivered to Lab ☐ _____

Situation on arrival

Responding intervention teams from IT, RO and DE have been asked to assess the situation in Total Refinery after

1. a column collapse in site of the centrale utilities (U51-U66) with the release of benzene, toluene and xylene (ca. 20 m³ each)
2. a fire in the butadiene plant with affected tanks of ca. 50 m³ acetonitrile
3. a possible contamination of the water treatment plant of the site due to an overload.

CBRNDET DE ATF has been assigned to the water treatment facility. The task is to determine whether the water disposal from the site pollutes the Rhone river or no danger is present.

Union Civil Protection Mechanism

Storm response LYON

Daily Report No. _1____

Responsible Person(s):	**The status given here was valid at:**
Hauke Speth **(Team Leader CBRNDET GER ATF)**	
Phone: +49 160 7428294 **Fax:**	**Date:** 2023-03-01
Mobile:	**Time:** 03/00 (local) – 02/00 (UTC)
E-mail: **cbrndet-ger-atf@mail.idf.nrw.de**	

1. SITUATION UPDATE

General situation as known from ERCC briefing.

The Total Refinery site has turned out to be an operational priority as a column has collapsed in the aftermath of the storm and a fire has damaged a tank storage facility. As a consequence, the wastewater treatment system was overloaded and pollutants enter the Rhone river. LEMA fears that the neighbouring surroundings might be threatened by evaporating substances.

2. Coordination with Local authorities

High-level LEMA briefing with the commanding fire chief of the department has taken place at 133028FEB2023. Each EU module will permanently get a local liaison officer from the fire brigade assigned.

3. MAIN ACHIEVEMENTS OF THE TEAM (for join reporting present joint results and actions)

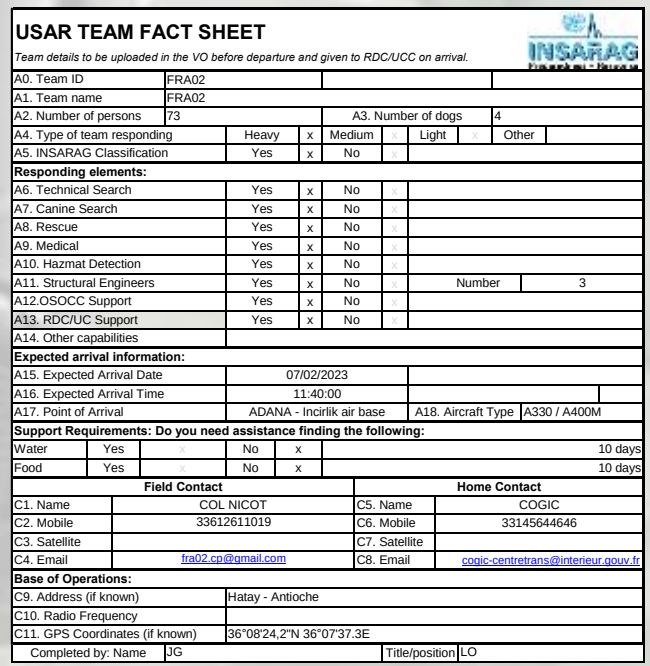
Main Activities

- Module has arrived at the RDC at 281002FEB2023.

Page 1 of 2

Toward a «Team Europe» Approach...

INSARAG GUIDELINES
USAR FORMS
FROM
FRANCE, POLAND, INDONESIA, SWEDEN
EARTHQUAKE IN TURKEY, FEBRUARY 2023



USAR TEAM FACT SHEET

Team details to be uploaded in the VO before departure and given to RDC/UCC on arrival.

A0. Team ID	FRA02								
A1. Team name	FRA02								
A2. Number of persons	73		A3. Number of dogs		4				
A4. Type of team responding	Heavy	x	Medium		Light		Other		
A5. INSARAG Classification	Yes	x	No						
Responding elements:									
A6. Technical Search	Yes	x	No						
A7. Canine Search	Yes	x	No						
A8. Rescue	Yes	x	No						
A9. Medical	Yes	x	No						
A10. Hazmat Detection	Yes	x	No						
A11. Structural Engineers	Yes	x	No		Number	3			
A12.OSOCC Support	Yes	x	No						
A13. RDC/UC Support	Yes	x	No						
A14. Other capabilities									
Expected arrival information:									
A15. Expected Arrival Date	07/02/2023								
A16. Expected Arrival Time	11:40:00								
A17. Point of Arrival	ADANA - Incirlik air base		A18. Aircraft Type	A330 / A400M					
Support Requirements: Do you need assistance finding the following:									
Water	Yes	x	No	x	10 days				
Food	Yes	x	No	x	10 days				

Field Contact		Home Contact	
C1. Name	COL NICOT	C5. Name	COGIC
C2. Mobile	33612611019	C6. Mobile	33145644646
C3. Satellite		C7. Satellite	
C4. Email	fra02.cp@gmail.com	C8. Email	cogic-centretrans@interieur.gouv.fr

Base of Operations:	
C9. Address (if known)	Hatay - Antioche
C10. Radio Frequency	
C11. GPS Coordinates (if known)	36°08'24,2"N 36°07'37.3E

Completed by: Name	JG	Title/position	LO

USAR TEAM FACT SHEET

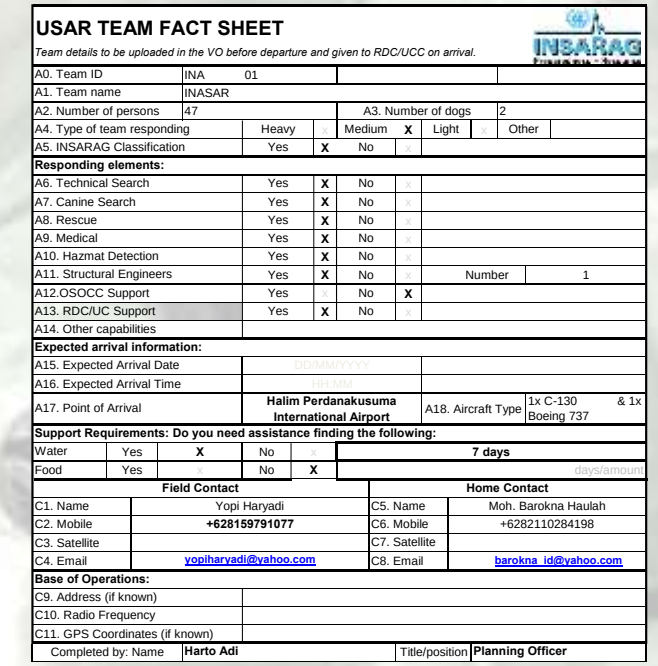
Team details to be uploaded in the VO before departure and given to RDC/UCC on arrival.

A0. Team ID	POL01								
A1. Team name	HUSAR Poland								
A2. Number of persons	76		A3. Number of dogs		8				
A4. Type of team responding	Heavy	X	Medium		Light		Other		
A5. INSARAG Classification	Yes	X	No						
Responding elements:									
A6. Technical Search	Yes	X	No						
A7. Canine Search	Yes	X	No						
A8. Rescue	Yes	X	No						
A9. Medical	Yes	X	No						
A10. Hazmat Detection	Yes		No	X					
A11. Structural Engineers	Yes	X	No		Number	4			
A12.OSOCC Support	Yes	X	No						
A13. RDC/UC Support	Yes	X	No						
A14. Other capabilities									
Expected arrival information:									
A15. Expected Arrival Date	06/02/2023								
A16. Expected Arrival Time	23:02								
A17. Point of Arrival	Gaziantep		A18. Aircraft Type	LO7273					
Support Requirements: Do you need assistance finding the following:									
Water	Yes		No	X	5 days/amount				
Food	Yes		No	X	5 days/amount				

Field Contact		Home Contact	
C1. Name	Lt. Col. Grzegorz Borcolec	C5. Name	State Fire Service National Headquarters
C2. Mobile	+48 511436510	C6. Mobile	+48 47722551 1
C3. Satellite	NA	C7. Satellite	NA
C4. Email	gborowiec@kg.straz.gov.pl	C8. Email	ekr@kgpsp.gov.pl

Base of Operations:	
C9. Address (if known)	Beers Stadium
C10. Radio Frequency	149
C11. GPS Coordinates (if known)	

Completed by:	MAJ Aleksander Mirowski	Title/position	Recon Leader



USAR TEAM FACT SHEET

Team details to be uploaded in the VO before departure and given to RDC/UCC on arrival.

A0. Team ID	INA 01								
A1. Team name	INASAR								
A2. Number of persons	47		A3. Number of dogs		2				
A4. Type of team responding	Heavy		Medium	X	Light		Other		
A5. INSARAG Classification	Yes	X	No						
Responding elements:									
A6. Technical Search	Yes	X	No						
A7. Canine Search	Yes	X	No						
A8. Rescue	Yes	X	No						
A9. Medical	Yes	X	No						
A10. Hazmat Detection	Yes	X	No						
A11. Structural Engineers	Yes	X	No		Number	1			
A12.OSOCC Support	Yes		No	X					
A13. RDC/UC Support	Yes	X	No						
A14. Other capabilities									
Expected arrival information:									
A15. Expected Arrival Date	DD/MM/YY								
A16. Expected Arrival Time	HH:MM								
A17. Point of Arrival	**Halim Perdanakusuma International Airport**		A18. Aircraft Type	1x C-130 Boeing 737	& 1x				
Support Requirements: Do you need assistance finding the following:									
Water	Yes	X	No		**7 days**				
Food	Yes		No	X	days/amount				

Field Contact		Home Contact	
C1. Name	Yopi Haryadi	C5. Name	Moh. Barokna Haulah
C2. Mobile	**+628159791077**	C6. Mobile	+6282110284198
C3. Satellite		C7. Satellite	
C4. Email	yopiharyadi@yahoo.com	C8. Email	barokna_id@yahoo.com

Base of Operations:	
C9. Address (if known)	
C10. Radio Frequency	
C11. GPS Coordinates (if known)	

Completed by: Name	**Harto Adi**	Title/position	**Planning Officer**

USAR TEAM FACT SHEET

Team details to be uploaded in the VO before departure and given to RDC/UCC on arrival.

per.hallenborg@mission.msb.se

vakthavande.nc@msb.se

OVERC.O.M.E. MAIN EVENTS

Meetings of the Boards of Experts
9 on CBRN, 5 on S.O.F.I.A

THANK YOU!

Monia D'Amico
prometheusproject@outlook.com
Mobile: +39 347 3186712

Massimiliano Mori
massimiliano.mori@vigilfuoco.it
Mobile: +39 339 4866978

PROMPT

PReparedness for Operational Monitoring and Prediction of contaminant Transport in the Sea

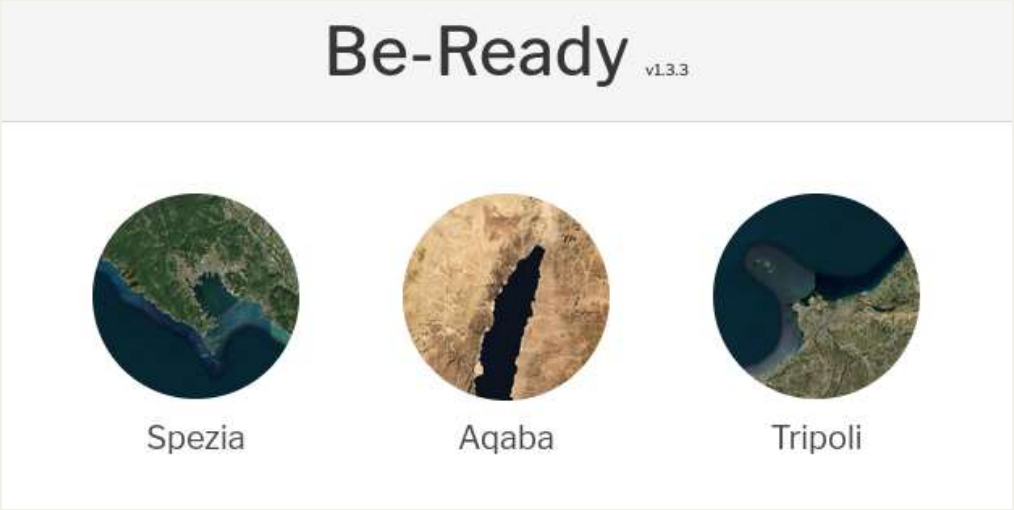
MODELLING OF HAZARDOUS SPILLS IN AIR AND SEA AND FLOATING CONTAINERS

Prof. Giovanni Besio – University of Genoa
giovanni.besio@unige.it

European Commission

UCPM-2022-PP/G.A-101101263-PROMPT

Role	Name	Legal Name	Country	Total eligible costs	Max grant amount
COO	UNIGE	Università degli Studi di Genova	IT	104'984.36	89'236.71
BEN	FIHAC	Fundacion Instituto de Hidraulica Ambiental de Cantabria	ES	94'916.44	80'678.97
BEN	PM_TEN	PM TEN	IT	39'985.90	33'988.01
BEN	WASDI	WASDI	LU	59'577.61	50'640.97
BEN	OEPT	Office d'Exploitation du Port du Tripoli	LB	94'320.50	80'172.43
BEN	ERI	European Research Institute Onlus	IT	49'920.85	42'432.72
BEN	JU-A	University of Jordan	JO	54'998.00	46'748.30
				498'703.66	423'898.11



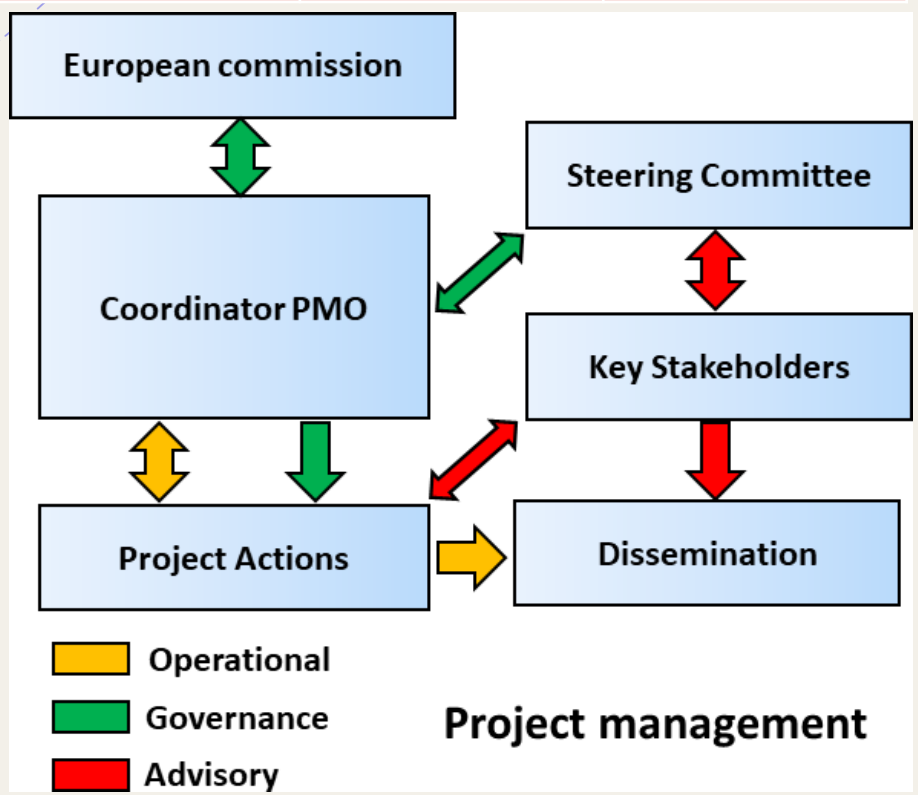
Genova

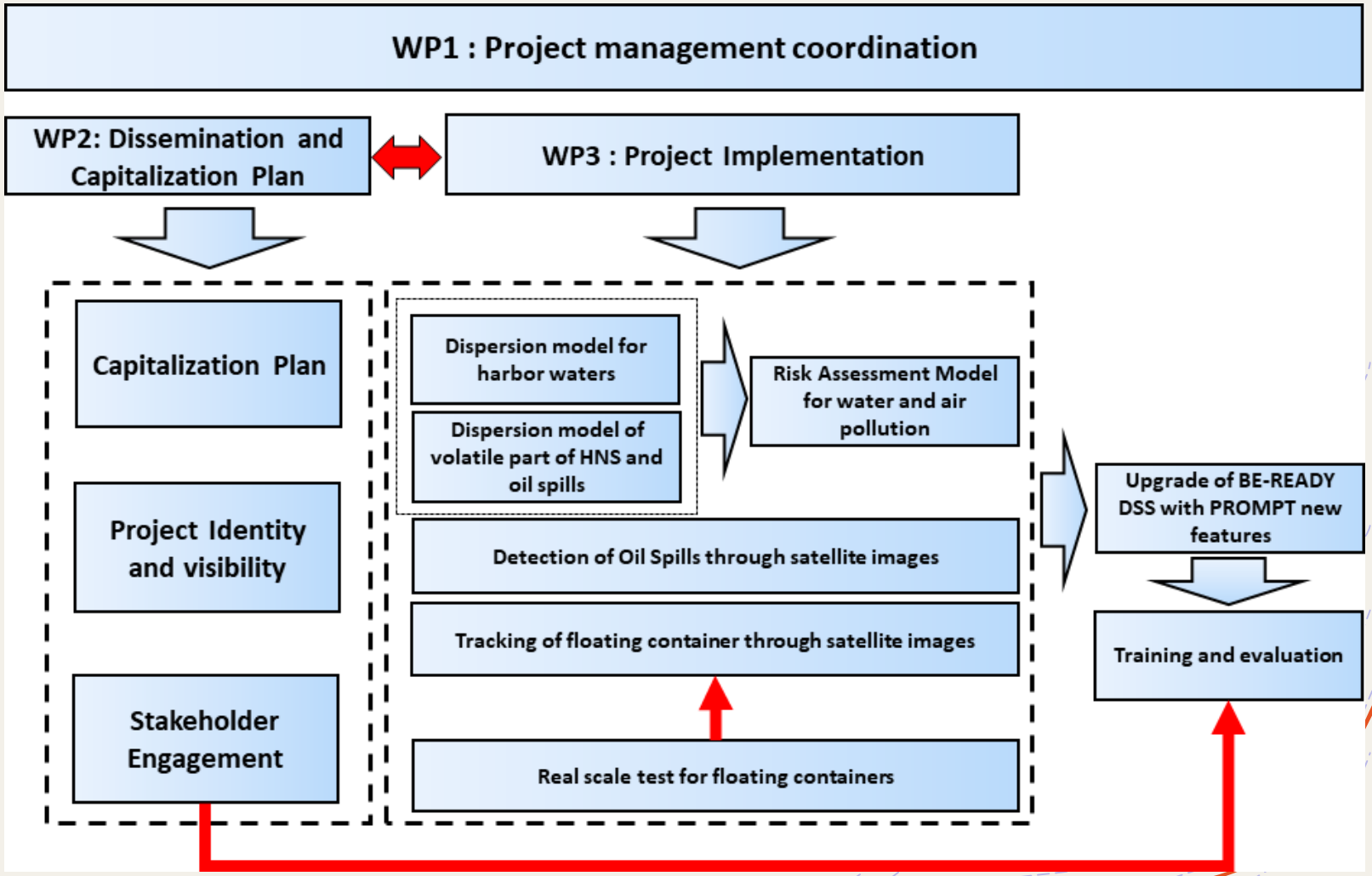
The general objective of the PROMPT project is to extend the capabilities of the ICT tool developed in the framework of the DG-ECHO project Be-Ready in order to:

- Model the harbour and coastal circulation in the proximity of the Genoa harbor, one of the biggest ports of the Mediterranean Sea, which lay close to highly sensitive environmental areas (MPAs). The scenario approach employed for the provision of spill drift forecast developed in the Be-Ready project will be then implemented and integrated in the Be-Ready DSS
- Model the dispersion of volatile substances related to oil and HNS spills in the harbor of Tripoli and Aqaba. Modelling will be carried out with ad-hoc high-resolution models for the atmosphere and chemical products dynamics. Results obtained by numerical modelling will be integrated in the existing Be-Ready DSS
- Develop algorithm for automatically detect oil spills from satellite images in order to provide to the DSS a localization of the area interested by the spills in order to model their evolution in time and space providing this information as initial conditions for the DSS simulation engine
- Develop an innovative algorithm able to track lost container in the sea. The algorithm will be tested with historical records of satellite images in areas where floating containers have been observed and it will be tested against a real scale experiment that will be carried out in the Tripoli coastal waters
- Train and transfer the knowledge that resides in the development of DSS tool to the local operators of partners belonging to the European Neighborhood Policy countries (Lebanon and Jordan)

Output Class: Modelling, Technological and ICT Tools	
Expected Output	**Output Indicators**
Dispersion of chemical pollutant in harbour and coastal waters	The number of numerical models to be developed for the harbour of Genoa is an indicator of progress – Target Value: 1
High resolution description of atmosphere dynamics and volatile contaminants dispersion	The number of numerical models for atmosphere dynamics and dispersion in the port of Tripoli and Aqaba is an indicator of the progress – Target Value: 2
Tool for the detection of oil spills in coastal waters	The development of an algorithm for the detection of oil spills from satellite images is an indicator of progress – Target Value: 1
Tool for the tracking of floating containers	The development of an algorithm for the tracking of floating containers is an indicator of progress – Target Value: 1
Integration of modelling and technological tools in the Decision Support System	The release of a new version of the DSS developed in the framework of BE-Ready project is an indicator of progress – Target Value: 1
Output Class: Communication and end-user/stakeholder engagement	
Expected Output	**Output Indicators**
Training and refresher courses	The number of training and refresher courses for neighbouring countries is an indicator of the progress of the project – Target Value: 2
End-users and stakeholders engagement	The number of people attending the training and refresher courses and the project dissemination and final event is an indicator – Target Value: 130
Communication plan, social media, media coverage	Measure of the success in media coverage - Target value: 10 Number of contacts through social media - Target value: 500

EVENT	MONTH	LOCATION
Kick-Off	M5	Genoa
Tech Meet	M8	Spain
Container Experiment	M13	Lebanon
Tech Meeting	M22	Jordan
Final Meeting	M24	Rome





Identify the stakeholders and classify them weighting their interest in the use of the area. Stakeholders will be involved to better target the dissemination action and for the ICT tool implementation and training

Establishment of a PROMPT Network as results of the regional workshops - National/International/Regional involvement events/Capitalization workshops - Cross-fertilization Activities.

The training will be based on the project results obtained in the different Tasks of WP3. The task will be developed following several steps:

1. definition of the contents: the course will cover a wide range of topics regarding marine and air pollution due to oil and HNS spills and the relative response actions.

2. definition of the objective: an efficient training takes care more to the ability acquired at the end of the course than to the knowledge learnt

3. definition of the course structures: learning module, evaluation methods, timing

4. definition of the tools: documents, images, videos, animations, and simulations

The training will transfer operational capacities to the attendees. At the end of the course, the operator is expected to know how to run the DSS tool and to be ready to apply the operational tool

Funded by
the European Union

ROSES Brussels Kick-off Meeting

Thursday 9th March 2023

ROSES Consortium & Info

- **University of Western Macrdonia, Greece, Coordinator**
- **Ministry of Interior Montenegro**
- **Ministry of Security of Bosnia and Herzegovina**
- **European University Cyprus**
- **General Secretariat for Civil Protection, Greece**
- **Centre for Development and Democratization of Institutions, (CDDI), Albania**
- **Albanian National Civil Protection Agency**
- **Protection and Rescue Directorate of North Macedonia (PRD)**
- **Etaireia Meleton Ypiresion kai Logismikou Geochorikis Pliroforias, Greece, (KIKLO)**

Project duration: 24 months

Topic: UCPM-2022-PP

Prefinancing payment**:** 321,685.84€

Total eligible costs (BEN and AE)	**Funding rate** (%)	**Maximum grant amount** (Annex 2)	**Maximum grant amount** (award decision)
540 649.00	85	459 551.20	459 551.20

Giving Context

While cross-border cooperation is relatively well-established in the area of emergency response, cross-border cooperation during the prevention and preparedness phases can be further enhanced.

This is especially true for the Western Balkans region with a difficult geomorphology which can hinder an immediate support in case of a major disaster and cross-border regions are in a much more disadvantage position.

Permanent existence of a considerable risk level from several natural and technical hazards in Western Balkans is arguably indicated by vast centuries-long experience in these areas.

The situation is more challenging at Western Balkans where there is limited connectivity between infrastructures useful for managing cross border emergencies and the geography puts more difficulties in accessibility of major areas than in other European territories.

About DG ECHO's **ROSES**

ROSES aims to develop a coherent co-creation and co design approach with actions consisting of risk awareness and communication, education activities targeted to the public, volunteers, 1st responders and civil protection agencies.

Aims to create effective mechanisms to raise and enhance the awareness levels on disaster prevention, preparedness and response measures in cross-border areas making disaster risk reduction inclusive and collaborative.

About ROSES

ROSES also aims to raise and enhance risk awareness, sharing of best practices and risk communication by:

- Elaborating actions in the fields of Host Nation Support in cross-border areas;
- Empowering of local communities for joint disaster risk reduction and management.

Roses will achieve this by activating:

- Collaboration in bilateral agreements;
- Public engagement and inclusion of vulnerable groups;
- Risk awareness in educational structures;
- Innovative processes in the protection of cultural heritage;
- As well as shedding light upon the issues in disaster preparedness and business continuity in cross-border areas.

Major Events Timeline

Kick-off meeting of approved projects **Brussels**: **9th** March 2023

1st project partner's **meeting** in Nicosia, **Cyprus**: **June** 2023

(WP3) HNS **workshop** in **Tirana**, Albania: 12/2023	(WP4) **Bilateral Cooperation** Workshop, **Tirana**, Albania: 12/2023
(WP3) HNS **training** in **Sarajevo**, Bosnia and Herzegovina: 02/2024	(WP4) Workshop on **programmes cooperation** in **Sarajevo**, Bosnia and Herzegovina: 02/2024
(WP3) HNS **training** in **Thessaloniki** Greece: 4/2024	
(WP3) HNS **training Skopje**, Republic of North Macedonia: 6/2024	(WP4) **Bilateral Cooperation** Workshop, **Skopje**, Republic of North Macedonia: 6/2024
(WP3) HNS **training Podgorica**, Montenegro: 9/2024	(WP4) **Bilateral Cooperation** Workshops, **Podgorica**, Montenegro: 9/2024

Final meeting **Athens**: **11/2024**

Outcome

1. Increasing understanding of what disaster risk reduction and management entails for cross border areas and what skills and capabilities must be developed by end users in the area.

2. Informed general public on risks in the area, activities in place, their role, to create a safety culture, attract volunteers and empower local communities that play a critical role in cooperation in rural areas.

3. Capabilities and understanding of disaster risk among specific end- users or the general public are strengthened.

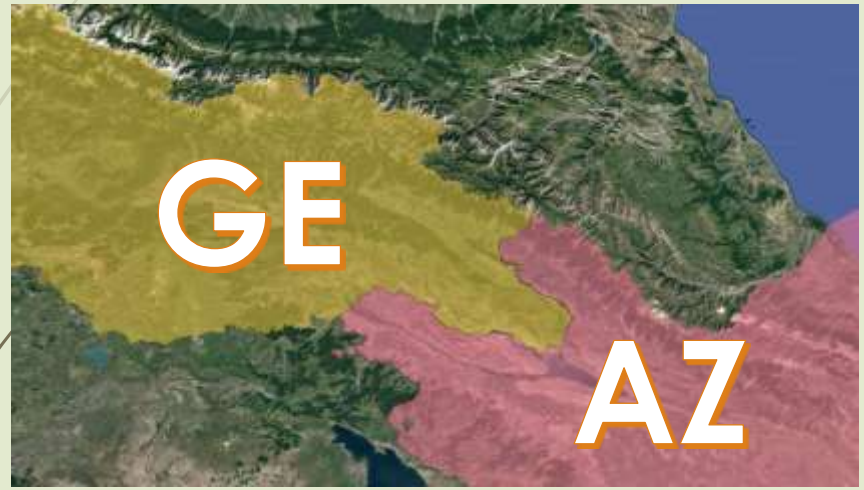
4. Exchange of good practices and knowledge in the field of prevention and preparedness is enhanced.

Thank You

Funded by the European Union

UNIVERSITY OF WESTERN MACEDONIA

Azərbaycan Respublikasının Fövqəladə Hallar Nazirliyi



SAILOR, BRUSSELS KICK OFF

Thursday, March 9th 2023

Basic SAILOR data

- Starting Date: 1/1/2023
- Duration: 24 months
- Budget: 571 910.72
- EU Contribution (85%): 486 124.08
- Project number: 101101181
- Project name: CROSS BORDER RISK ASSESSMENT AND ACTION PLAN IN GEORGIA – AZERBAIJAN
- Project acronym: SAILOR
- Call: UCPM-2022-PP
- Topic: UCPM-2022-PP

N°	Role	Short name	Legal name	Ctry	PIC	Total eligible costs (BEN and AE)	Max grant amount
1	COO	UOWM	UNIVERSITY OF WESTERN MACEDONIA - GREECE	EL	986185518	141 434.74	**120 219.52**
2	BEN	Fondazione CIMA	INTERNATIONAL RESEARCH CENTER CIMA - ITALY	IT	997710476	148 175.74	**125 949.37**
3	BEN	EMS	EMERGENCY MANAGEMENT SERVICE - GEORGIA	GE	886005664	140 941.47	**119 800.24**
4	BEN	MES	MINISTRY OF EMERGENCY SITUATIONS – AZERBAITZAN	AZ	884318252	141 358.77	**120 154.95**
Total						**571 910.72**	**486 124.08**

Short description, background information and reasons why the project is necessary

- SAILOR, aiming at risk assessment on forest fires at the cross border area between Georgia and Azerbaitzan in South Caucasus. It is a common risk identified as priority by the governments of both countries, as well as by other entities (i.e. World Bank) active in South Caucasus in Disaster Risk Reduction – Central Asia and Caucasus Disaster Risk Management Initiative (CAC DRMI), however, no risk assessment is available in the cross border area and the national risk assessment studies are dated 20 years back
- SAILOR is a project that builds on ongoing results of PPRD EAST III initiative, that is already implementing specific activities on both Georgia and Azerbaitzan cross border area regarding forest fires, and the lessons learnt from SAILOR could be also transferred to South /or/and Balkans – Turkey region and Central Asia
- However, the last years a bilateral agreement is in place that allow close cooperation between firefighting forces of both countries and in fact one can suppress fires within the territory of the other country following an official invitation, in order to save time until full mobilisation of forces of the country at risk
- Activating such an agreement without an existing risk assessment on forest fires at cross border area and the subsequent cross border risk management and action plans can lead to mistakes, failure to use available resources in an optimum way and can eventually increase risks instead of eliminating them

Expected outputs I

- Taking stock of the preliminary forest fire hazard mapping, assessment of Civil Protection coping capacities and Early Warning Systems, developed for the Southern Caucasus region, by the PPRD EAST 3 programme, SAILOR will provide follow-up activities adding fundamental information needed to develop adequate Early Warning to Early Action (EWEA) strategies in the transboundary region between AZE and GEO. A detailed analysis of the situation regarding the coping capacity, intervention models and available tools will be conducted. All relevant agreements, SOPs, laws and bi-laws and activities (International, bilateral, national, regional and local) in the past 15 years and recording all past, ongoing and planned projects – independently of financing source- will be mapped and relevant outputs will be factored into SAILOR Plan of Action (PoA)

- SAILOR will work on joint risk assessment (report) including analytical products preparatory to a risk assessment. The forest fire hazard maps produced by PPRD EAST 3 will be elevated to Risk Maps of the entire area thus accounting also for exposure, vulnerabilities and potential damage. Cross cutting issues such as gender, human rights and environmental considerations in Disaster Risk Management (DRM) will be included in the evaluation of the risk scenarios in the intervention area

- All the results of the Risk Assessment will be uploaded to the My Dewetra.world, an open software platform that will be released by the PPRD EAST 3 programme. The platform will include services and tools able to assess and share wildfire risk maps and emergency scenario among the CPAs, highlighting in real time information about the potential impacts on people exposed and critical infrastructure
- Following the analytical component of the programme, the existing bilateral agreements will be enriched with good practices, regional and local agreements, standard operative procedures, and public – private – local communities' partnerships to optimize effectiveness and efficiency of those agreements. This action will allow to further foster the very weak Early Warning System for forest fires in the two countries. SAILOR will address the need of consolidating the good cross-border relations between the two countries which are however conducted on the basis of operational judgment rather than solid, shared, and tested procedures

- A road map for the implementation of all needed actions, during and after the project implementation period, will be developed including also investments plan from both countries, timelines for implementing activities, funding sources and training activities

- Pilot implementation of the Action Plan will take place in a border area following closely the work done in PPRD EAST 3 to allow for a full synergic approach between the 2 actions. The areas, already agreed upon by the 2 CP authorities are the Kakheti region in Georgia and the northwestern region in Azerbaijan, however at the time SAILOR will be launch those areas will be confirmed by the two countries

Tentative dates and places for major events

- Internal Kick Off meeting 18th to 21st of April, Baku or Tbilisi
- Final Event: November/ December 2024, Tbilisi, Baku or Brussels
- 4 meetings in Georgia (WPs: 1,3,4,5)
- 4 meetings in Azerbaitzan (WPs: 1,3,4,5)

During Internal Kick Off we will decide the exact dates and possible combination of trips as we have symmetrical activities / travels in Georgia – Azerbaitzan (Baku, Tbilisi and Cross Border Area)

End Users Engagement

- . All key stakeholders will be engaged in the project
- The Ministry of Emergency Situations and its subordinated entities (the main coordinating authority) in Azerbaijan and Emergency Management Service and collaborating agencies (i.e. civil protection and forestry services) in Georgia:
- State Fire Control Services
- The Main Departments of Early Warning of Emergencies
- Legal Departments
- The Main Departments of Operations
- Crisis Management Centers
- International Relations Departments
- IT and Statistics Departments
- The Academies and Institutes of the Ministry of Emergency Situations and EMS
- North –West Regional Center of Azerbaijan
- The Ministry of Ecology and Natural Resources and the Institute of Geography of Azerbaijan National Academy of Sciences
- Azerbaijan Red Crescent Society and Georgia's Red Cross Society
- The Ministries of Education
- Regional and local authorities, cities authorities in the borders, local rural communities etc.
- At project initial implementation phase, all needed stakeholders will be mapped –using also the work done in PPRD EAST III initiative- and be activate by the Governments of Azerbaijan and Georgia

WUITIPS – Project Overview

Elsa Pastor

UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH
Centre for Technological Risk Studies

Diputació de Girona

Efectis

VALABRE
ANTICIPER VOTRE PRÉSENT

LUND UNIVERSITY

BASIC INFORMATION

- Project full name: **W**ildland-**U**rban-**I**nterface fire **T**ouristic **I**nfrastructures **P**rotection **S**olutions
- Duration: 2 years (01/02/2023 – 31/01/2025)
- Consortium
  - **Universitat Politècnica de Catalunya - UPC** (Coord.) – *Spain*
  - **Diputació de Girona (DDGI)** – *Spain*
  - **Efectis France (EFR)** – *France*
  - **Entente Pour La Forêt Méditerranéenne (EPLFM)** – *France*
  - **Lunds Universitet (ULUND)** - *Sweden*

- Area of interest
  - **SP - FR border**

BASIC INFORMATION

- Project ID: 101101169
- **Total project elegible cost: 708,389,22€**
- **EC financial contribution: 602,128,58 € (funding rate 85%)**
- Call: *Prevention and Preparedness Projects on Civil Protection and Marine Pollution - (UCPM-2022-PP)*
- Topic: *Cross-border risks*
- Type of Action: *Internal*
- Priority: *Risk Assessments / Early Warning Systems / Risk Awareness / Marine Pollution*
- Outcomes (as indicated in the Call):
  - ***"Cross-border risk assessments for identified cross-border risks are developed"***
  - ***"A network of competent authorities at national and sub-national level for specific risks is established"***

BACKGROUND AND NEEDS

- **Extreme wildfires** are an **increasing problem** across the world and particularly in Europe, involving a serious civil protection challenge
- Wildfires pose a **growing threat to tourist destinations** at the Wildland-Urban Interface (WUI), particularly in the Mediterranean Europe
  - Tourists are generally unaware of fire risk
  - Tourism-oriented facilities do not systematically contemplate their preparation for a forest fire impact
  - This is particularly evident in **trans-boundary touristic regions**
- **No harmonised approach and actions** for fire risk assessment of touristic areas is shared between neighbouring Member States:
  - No harmonized understanding of the vulnerability of touristic areas
  - Nor common and coherent messages and recommendations of good practices for prevention and protection.

Top: Agullana, 2012. Source: DDGI
Bottom: Le Lavandou, 2017. Source: Claud Paris AP

AIM AND OBJECTIVES

- **WUITIPS** aims to **explore, identify and characterize vulnerabilities and performance of risk mitigation measures in tourist facilities as well as the associated population**, in emergencies due to forest fires in cross-border situations across EU. With this knowledge captured, WUITIPS will…

1) Develop **standard methodologies for wildfire vulnerability analysis** of assets and people in touristic infrastructures

2) Elaborate an **EU harmonized guideline** for fire prevention and protection planning in touristic infrastructures

3) Provide end-users with **examples of application** of products in pilot sites

4) **Create a living lab of knowledge transfer** with a complete ecosystem of stakeholders and end-users across EU

FORESEEN ACTIVITIES

- Feb '23: Kick-off Meeting at UPC, Barcelona.
- Mar'23: Kick-off Meeting at DG-ECHO, Brussels.

- **May 11th, '23: Workshop 1 "*Towards and harmonized framework for cross-border fire management in touristic infrastructures*".**
  - **Stake-holders from other cross-border vulnerable areas:**
    - Huelva-Algarve (Spain-Portugal)
    - Alpes Maritimes-Imperia (France-Italy)
    - Adriatic Croatia (Croatia-Slovenia)
    - Piera and Chalkidiki (Greece-Macedonia/Bulgaria)

- Oct'23: Study tour and technical meeting – Girona area
- Jan-Mar'24: Data gathering and site visits Girona /South of France
- **Oct'24: Demonstration event– Girona**
- **Jan'25: Demonstration event – Aix-en-Provence**
- **Jan'25: Workshop 2 "*Minimizing cross-border fire risk in EU touristic areas*"**

Thank you!

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