

LIST OF AWARDED TRACK 2 PROJECTS 2022

Project full title	Project Acronym	Coordinator	Partners	Total Grant (EUR)	Start date	End date	Summary
Early warning Demonstration of pan-European rainfall-induced impact forecasts	EDERA	UNIVERSITAT POLITECNICA DE CATALUNYA (ES)	<ol style="list-style-type: none"> 1. EUROPEAN CENTRE FOR MEDIUM-RANGE WEATHER FORECASTS (Int'l) 2. ILMATIETEEEN LAITOS (FI) 3. AGENCIA DE MEDIO AMBIENTE Y AGUA DE ANDALUCIA (ES) 4. MINISTERIO DEL INTERIOR (ES) 5. AUTORIDADE NACIONAL DE EMERGENCIA EPROTECAO CIVIL (PT) 	997,861.55	01/02/2023	31/01/2025	The project will propose an improved strategy for compound flood impact forecasts over Europe, combining convective hazards and pluvial floods and river floods. The project aims, inter alia, to extend the convective hazards and pluvial flood forecasts over Europe; increase the adaptability of the flood impact forecasts to the needs of the end users; integrate the flood impact forecasts to the early warning system platforms of the end users; demonstrate the added value of seamless flood impact forecasts through a robust evaluation (at European scale, and in two pilot sites in northern and southern Europe), where the early warning systems of the operational end users will be improved, integrating the developed EDERA flood impact forecasts); to integrate the developments within the European Flood Awareness System (EFAS) system, which should ensure the availability of the impact forecasts beyond the duration of the project; etc.
Earthquake Resilient Schools	EReS	DIETHNES PANEPISTIMIO ELLADOS (EL)	<ol style="list-style-type: none"> 1. GEBZE TEKNIK UNIVERSITESI (TR) 2. ICISLERI BAKANLIGI AFET VE ACIL DURUM YONETIMI BASKANLIGI (TR) 3. ORGANISMOS ANTISEISMIKOU SXEDIASMOU KAI PROSTASIAS (OASP EPP0 EARTHQUAKE PLANNING AND PROTECTION ORGANIZATION) (EL) 	785,215.92	01/03/2023	28/02/2025	The project aims to build capacity to efficiently plan earthquake prevention and preparedness actions, by jointly assessing earthquake hazard and risk and by establishing a close and consistent cross-border cooperation between competent state organizations (at national and sub-national levels), in the Greek/Turkish cross-border area. Higher education/research institutions are also partners. The project is the output of a long-standing research cooperation between the participating partners.
Integrative strengthening of seismic risk awareness	ISRA	Ss. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE (MK)	<ol style="list-style-type: none"> 1. CENTRO EUROPEO DI FORMAZIONE E RICERCA IN INGEGNERIA SISMICA (IT) 2. ARISTOTELIO PANEPISTIMIO THESSALONIKIS (EL) 3. UNIVERSITETI POLITEKNIK I TIRANES (AL) 4. INSTITUTE OF COMMUNICATION STUDIESSKOPJE (MK) 	429,452.24	01/12/2022	30/11/2024	The project aims to transfer knowledge about the nature, the manifestations, the consequences of strong ground motions and the recommendations about how to act during and after strong earthquakes from competent scientific institutions to each citizen. Through up-to-date communication methods, the scientific knowledge, adapted to a language that can be understood by everyone, will be transferred to as wider as possible population in the cross-border areas of the Western Balkans region. Three main processes are needed to achieve these objectives: (1) systematic analysis of the existing state of seismic risk awareness; (2) enhancement of cross-border risk awareness; (3) and assessment on whether and how much the risk awareness has been improved.
MULTIDIMENSIONAL SEISMIC RISK ASSESSMENT COMBINING STRUCTURAL DAMAGES AND PSYCHOLOGICAL CONSEQUENCES USING EXPLAINABLE ARTIFICIAL INTELLIGENCE	MEDEA	UNIVERSITA TELEMATICA E-CAMPUS (IT)	<ol style="list-style-type: none"> 1. UNIVERSITA DI PISA (IT) 2. MEDJIMURJE COUNTY (HR) 3. GASILSKA ZVEZA SLOVENIJE (SI) 	911,500.00	01/12/2022	30/11/2024	The project aims to build a system for multidimensional seismic risk assessment in cross-border areas, whose dimensions are the damage to structures and the psychological consequences for the individuals involved. The system has a knowledge base containing reference structures and reference families represented using technical and psychological parameters, which serve as a representative set of the structures and families in existing areas. With reference to an earthquake that has occurred or may occur in existing areas where the knowledge of structures (families) may also be incomplete, the system associates existing structures (families) to similar reference structures (families) of the knowledge base. The system then combines analytical/numerical methods with explainable Artificial Intelligence models to estimate the damage to structures, the losses, and the psychological consequences for the individuals involved. The system will be available for competent authorities for free, as a web application, and will help civil protection authorities when planning mitigation strategies to reduce damages and losses.

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Cross-border cOoperation in Managing Emergency	OVERCOME	MINISTERO DELL'INTERNO (IT)	<ol style="list-style-type: none"> SERVICE DEPARTEMENTAL INCENDIE ET SECOURS DE LA SAVOIE (FR) INTERNATIONAL CBRNE INSTITUTE (BE) SERVICE DEPARTEMENTAL D'INCENDIE ET DE SECOURS DU PAS DE CALAIS (FR) 	754,046.42	01/03/2023	28/02/2025	The project aims to enhance a long-lasting cross-border cooperation in the frame of formal protocols between Italy and France which are the formal basis to carry out activities aimed at: i) improving the quality of exchange flow to reduce loss of time during chemical, biological, radiological and nuclear (CBRN) operations; ii) contributing to enhance mutual cooperation for cross-border interventions. The rationale of this project is the need to apply procedures with operational focus, aimed at standardising the interoperability for teams (incl. urban search and rescue), equipment, forms and management systems, in cases where an immediate intervention is required. However, the mobilisation at the border of teams might be a non-operationally detailed practice and, as a consequence, might heavily affect the time of intervention.
Preparedness for Operational Monitoring and Prediction of contaminant Transport in the Sea	PROMPT	UNIVERSITA DEGLI STUDI DI GENOVA (IT)	<ol style="list-style-type: none"> FUNDACION INSTITUTO DE HIDRAULICA AMBIENTAL DE CANTABRIA (ES) PM TEN SOCIETA A RESPONSABILITA LIMITATA (IT) WASDI (LU) OFFICE D'EXPLOITATION DU PORT DE TRIPOLI (LB) FONDAZIONE EUROPEAN RESEARCH INSTITUTE ETS (IT) UNIVERSITY OF JORDAN (JO) 	424,470.90	01/02/2023	30/01/2025	The project aims to extend the capabilities of the ICT tool developed in the framework of the DG ECHO project Be-Ready, in order to (1) model the harbour and coastal circulation in the proximity of the Genoa harbour, one of the biggest ports of the Mediterranean Sea, which lay close to highly sensitive environmental areas; (2) model the dispersion of volatile substances related to oil and Hazardous-Noxious-Substances spills in the harbour of Tripoli and Aqaba; (3) develop an algorithm for automatically detect oil spills from satellite images in order to provide to the decision support system a localization of the area interested by the spills; (4) develop an innovative algorithm able to track lost container in the sea; (5) and to train and transfer the knowledge that resides in the development of decision support system tool to the local operators of partners belonging to the European Neighbourhood Policy countries (Lebanon and Jordan).
Responsive, Data ecosystem for Resilient and Operational Security Strategies	RED ROSES	CROIX-ROUGE FRANCAISE (FR)	<ol style="list-style-type: none"> CONSIGLIO NAZIONALE DELLE RICERCHE (IT) UNIVERSITE PARIS DAUPHINE (FR) ASSOCIAZIONE DELLA CROCE ROSSA ITALIANA (IT) BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES (FR) 	636,961.00	01/03/2023	28/02/2025	The project aims to encourage cooperation among civil protection authorities and relevant stakeholders in the French-Italian border area and promote non-structural measures aimed to collect and share data as well as to promote the use of new ICT-based tools and services to support the decision making process in risk management. In particular, the project should implement, test, and deploy an interoperable and modular spatial data infrastructure (SDI) enabling the cross-border civil protection authorities and relevant stakeholders to access existing and new data as well as tools and services to encourage a novel cooperationbased decision-making proce. The expected results should contribute to raise communities' risk awareness and perception, to improve the pro-active communities' resilience, and to reduce the effects of unexpected adverse events in the field of the wildfire and hydro-meteorological disaster-related risks.
Cross Border Risk Awareness in Western Balkans	ROSES	PANEPISTIMIO DYTIKIS MAKEDONIAS (EL)	<ol style="list-style-type: none"> MINISTARSTVO UNUTRASNIJH POSLOVA (ME) MINISTRY OF SECURITY OF BOSNIA AND HERZEGOVINA (BA) EUROPEAN UNIVERSITY - CYPRUS LTD (CY) QENDRA PER ZHVILLIMIN THE DEMOKRATIZIMIN E INSTITUCIONEVE (AL) AGJENCIA KOMBETARE E MBROJTJES CIVILE (AL) DIREKCIJA ZA ZASTITA I SPASUVANJE NA REPUBLIKA MAKEDONIJA (MK) GENERAL SECRETARIAT FOR CIVIL PROTECTION (EL) ETAIREIA MELETON YPIRESION KAI LOGISMIKOU GEOCHORIKIS PLIROFORIAS I.K.E. (EL) 	459,551.20	01/01/2023	31/12/2024	The project aims to raise and enhance risk awareness in the Western Balkans cross border areas, by sharing best practices on risk communication, elaborating actions in the fields of host nation support in cross-border areas, empowering of local communities for joint disaster risk reduction and management, 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. 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.

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CROSS BORDER RISK ASSESSMENT AND ACTION PLAN IN GEORGIA – AZERBAIJAN	SAILOR	PANEPISTIMIO DYTIKIS MAKEDONIAS (EL)	<ol style="list-style-type: none"> 1. CENTRO INTERNAZIONALE IN MONITORAGGIO AMBIENTALE - FONDAZIONE CIMA (IT) 2. EMERGENCY MANAGEMENT SERVICE OF THE MINISTRY OF INTERNAL AFFAIRS OF GEORGIA (GE) 3. THE MINISTRY OF EMERGENCY SITUATIONS (AZ) 	486,124.08	01/01/2023	31/12/2024	The project focuses on forest fires risk assessment in the border area between Georgia and Azerbaijan. There is a bilateral agreement in place that allows 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. However, 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. Project will develop the necessary risk assessment and border risk management and action plans.
Wildland-Urban-Interface Fire Touristic Infrastructures Protection Solutions	WUITIPS	UNIVERSITAT POLITECNICA DE CATALUNYA (ES)	<ol style="list-style-type: none"> 1. EFACTIS FRANCE (FR) 2. DIPUTACION DE GERONA (ES) 3. ENTENTE POUR LA FORÊT MÉDITERRANÉENNE (FR) 4. LUNDS UNIVERSITET (SE) 	602,128.58	01/02/2023	31/01/2025	The project aims to advance towards a harmonised understanding of the wildfire problem in touristic areas, providing knowledge on the impact of fire on buildings, installations, cultural heritage, infrastructures and the involved population and human behaviour as well as on the performance of fire risk mitigation measures used across EU. New insights will be integrated into a set of tools and guidelines for the appropriate and EU harmonised fire prevention and protection planning in trans-boundary areas in Europe, which will be demonstrated in selected cross-border (Spain-France) pilots. Thanks to a co-participatory process of key stakeholders from other EU trans-boundary areas, outcomes will be fully applicable at EU level. The project should contribute to improve the cross-border cooperation in prevention and preparedness to the risk of forest fires affecting touristic areas, which can be further enhanced by the use of the resulting guidelines for prevention and protection planning.