



SAFE-LAND

Mitigating the risk of flooding and landslides via artificial intelligence with a view to extreme climate events

Deliverable 1.3:

Mapping of relevant initiatives within UCPM including an evaluation of potential synergies between ongoing initiatives or incorporation of existing results

MITIGATING THE RISK OF FLOODING AND LANDSLIDES VIA ARTIFICIAL INTELLIGENCE WITH A VIEW TO EXTREME CLIMATE EVENTS



Co-funded by the
European Union

Deliverable Title	Mapping of relevant initiatives within UCPM including an evaluation of potential synergies between ongoing initiatives or incorporation of existing results
Deliverable number	1.3
Deliverable Lead:	eCampus
Related Work Package:	WP1: Project management and coordination
Author(s):	Elisabetta Cattoni (eCampus), Francesco Focacci (eCampus), Milena Rosa (eCampus)
Dissemination Level	Public
Due Submission Date	11/08/24
Actual Submission	29/10/2024 (Revised version)
Project Number	101140345
Status	Version 2.0 (Second release)
Reviewed (Authors)	Zorica Marković (MUP), Ida Kovac (MED), Francesco Pistolesi (UNIFI), Marija Stanković (MED)
Start Date of Project	12 February 2024
Duration	24 months
Abstract	This report identifies UCPM, Cross border and other UE funding programmes participatory and community-based projects, initiatives on Disaster Risk Reduction and establishes strong synergies and links with the SAFE-LAND activities to improve the dissemination and use of results in Europe. The report presents potential connections and actions that could be developed between the SAFE-LAND consortium and similar or related projects or initiatives, trying to add value to the results generated already by previous or ongoing projects. The synergies will help in spreading the project's results to a

	<p>broader audience but also to learn from other projects’ findings. To establish synergies 3 Interreg projects, 13 UCPM projects and 4 other initiatives have been identified. Based on the “Synergy Matrix”, the partners will be able to select and use, and furthermore to establish synergies with selected European projects/initiatives for producing other resources with a high added value. We used master Plan of the SAFE-LAND project to sets, goals, and main objectives of Synergy Process in accordance with project objectives. This document identifies short term objectives, to be achieved during the 2-year period. All static synergies that were identified can be used, in certain conditions, without any strategy.</p>
<p>Status changes history</p>	<p>Version 1.0– First release (09.08.2024)</p> <p>Version 2.0– Second release (29.10.2024):</p> <ul style="list-style-type: none"> – modified the erroneous link for the ALTER112 project (pages 27 and 42); – modified “Funder” and “Participating countries” with the information reported on the website (updated link) of ALTER 112 project (pag. 27).

TABLE OF CONTENTS

1. INTRODUCTION.....	3
<i>The concept of synergies</i>	<i>3</i>
<i>Methodological approach</i>	<i>4</i>
<i>Objectives and strategy of the synergy's actions</i>	<i>5</i>
2. CONSTRUCTION OF SYNERGIES MATRIX.....	6
<i>Identification of potential synergies with projects and initiatives</i>	<i>6</i>
<i>UCPM & Interreg Cross Border projects</i>	<i>8</i>
<i>Networks platforms & other initiatives</i>	<i>8</i>
<i>Synergies matrix construction</i>	<i>9</i>
3. STRONG SYNERGIES AND CONNECTIONS WITH EUROPEAN PROJECTS AND OTHER INITIATIVES.....	9
<i>Identification of synergies and connections.....</i>	<i>9</i>
<i>Identification of resources for potential synergies actions</i>	<i>37</i>
4. CONCLUSION	39
REFERENCES.....	39
ANNEX I – SYNERGIES MATRIX.....	40

Table 1 - Acronym table

Acronym	Definition
SAFE-LAND	Mitigating the risk of flooding and landslides via artificial intelligence with a view to extreme climate events.
EU	European Union
WP	Work Package
UCPM	Union Civil Protection Mechanism
INTERREG	Interreg is a key EU instrument that strengthens cooperation between regions and countries within the EU. As part of the EU's Cohesion Policy, Interreg plays a vital role in promoting regional development, cohesion, and reducing economic disparities.
CBC	Cross Border Cooperation

1. INTRODUCTION

This deliverable describes potential connections and partnerships that could be developed between the SAFE-LAND consortium and current or previous similar projects or related initiatives. The synergies will help in spreading the project's results to a broader audience but also to learn from other projects' findings. The report responds to interaction and exploitation of synergies with other projects and initiatives. Its aim is to establish strong synergies and links with SAFE-LAND activities to improve the dissemination and use of results in Europe.

SAFE-LAND will be presented by all partners at most relevant international and national forums, as well as in specific workshops organized during the project lifetime. All project partners will be encouraged to contribute to these targeted international events in order to integrate regional and national programs and initiatives and to allow other organizations, not directly participating in SAFE-LAND, to know about its objectives, evolution and conclusions. The aim is to disseminate the project results, mobilize stakeholders and establish deep ties with relevant platforms, networks, associations, and other related projects.

Synergies with similar EU-funded projects will be exploited to increase the outreach of potential stakeholders, organize joint events, exchange knowledge, experience, and best practices, and stimulate discussions among key players.

The concept of synergies

Maximization of added value and impact of current or past projects, platforms, networks, associations, and other initiatives consists of identifying and leveraging the resources and creating new sources of value that form the base for building synergy.

We will define two kinds of synergies relate to the purpose of SAFE-LAND:

- Static synergy – the synergy effect results from the relationship between the project SAFE-LAND and existing outcomes generated by past projects (UCPM and some Interreg Cross Border Cooperation projects). The synergies could be considered static since it is not possible to interact directly with the project activities, or at best with the partners or project coordinator. Instead, their results

will be possibly used for the purpose of exploiting and testing. Thus, the information offered by past project outcomes will contribute to a sustainable use of resources under a synergic process.

- Dynamic synergies – the synergy effect results from the relationship between similar ongoing projects that are developing resources under a collaborative dimension. In this case the synergic processes must be planned. Ongoing projects can create synergies based on adequate and synchronized roadmaps created for two or more projects. Relation with ongoing relevant platforms, networks and associations are considered like dynamic synergies.

The success of synergic processes typically requires creating dedicated strategy for finding common interests or objectives, identifying opportunities, setting goals for value creation.

Methodological approach

EU funding through the Union Civil Protection Mechanism (UCPM) supports projects with activities leading to improved disaster prevention and preparedness, shared knowledge and expertise, good practices and networking. For this reason we started exploring projects in the UCPM network. For other initiatives we searched for related platforms, networks of associations, refining the search results. During the search, many valuable reports of earlier project were identified. Consequently, these projects were also considered. A list of the projects and initiatives was created. We will analyse the results and extract key information that will be useful for assess the relevance for SAFE-LAND project.

The main steps on the methodologies that were used to collect relevant data and information for investigating potential links, collaborations and/or synergies as well as the way of identifying the strong synergies with SAFE-LAND project are described here:

- conducting a research by browsing the existing online data about projects and initiatives related with SAFE-LAND project (UCPM database, international networks, association, and other initiatives through their website). The search process was carried out using several keywords (“disaster prevention and

- preparedness”, “AI for natural risk preventions”, “risk awareness”, “Civil Protection projects” etc....), also drawing on the knowledge of the partners of the project;
- scanning the available information about the identified projects and initiatives for potential synergies and links with SAFE-LAND;
 - elaborating the Synergies Matrix of potential synergies;
 - evaluating the projects in Synergy Matrix against the synergies that could be created. The projects will be assessed for potential links, relationships, and relevance with SAFE-LAND, based on a ranking characterized by 3 different levels;
 - defining for ranking 2 and 3 projects the strong synergies based on the findings from previous step that will contain the projects for which the strong synergies with SAFE-LAND will/could be set up.

Objectives and strategy of the synergy’s actions

The aim of the contributing task for this deliverable (D1.3) was to optimize the use of the SAFE-LAND consortium resources by establishing synergies with existing projects, initiatives that were able to provide experiences and best practices in the field using Trustworthy Artificial Intelligence to assess hydrogeological risk and generate guidelines on risk management planning and increasing risk awareness, which could be assist in achieving the goals of the SAFE-LAND project.

SAFE-LAND will develop an artificial intelligence tool to estimate the hydrogeological risk levels of the elements of an existing area with reference to a climate event by looking for the reference areas (reference climate events) most similar to the area (climate event), then inferring tailored guidelines from the reference guidelines. Tailored guidelines help experts find the best actions to reduce the risk of the elements (slopes and rivers) and implement personalized guidelines to raise awareness of the risk, prioritizing vulnerable groups and people with disabilities. At least links will be established within different types of projects, platform, networks based on the acquired knowledge, experience, best practices, and guidelines.

After we have identified potential synergies projects or initiatives, we develop a synergy strategy. Main steps of synergy strategy linked with strategy of

communication and dissemination are:

ASSESS European and international characteristics and players, and barriers of development of synergies. Assessment of identified initiatives. We will use these mapping to assess the tabulated search results and identify relevancy of the identified external initiatives. The mapped initiatives will be used to formulate synergy that will help to understand which initiatives are most useful to establish synergies during the period of the project.

ESTABLISHING synergies with identified projects or initiatives allow the project to select and priorities the initiatives that could form beneficial synergies for their ongoing and future work. The consortium team will then advice on a utilization strategy to streamline potential synergies and insert across the various work streams in the project.

IDENTIFY and engage relevant community and research stakeholders through organization of participatory events.

ELABORATE a strategy for knowledge transfer from SAFE-LAND project to society for the benefit of the community as outlined into the dissemination strategy.

BUILD networking for exchange best practices and recommendations in the field of risk prevention.

ENGAGE with project or initiative selected action of co-creation events and knowledge.

Interaction and exploitation of synergies with other projects and initiatives will be exploited to increase the outreach of potential stakeholders by organize joint events, exchange knowledge, experience, and best practices, and stimulate discussions among key players.

2. CONSTRUCTION OF SYNERGIES MATRIX

Identification of potential synergies with projects and initiatives

The search focused on the projects funded by EU programs. In the research, development, and innovation process, SAFE-LAND will make use of the data available at the time of the report for the selected projects funded under the

Programs:

The actions and activities for which potential synergies and links could be established with the SAFE-LAND project are assessed. For identifying the types of synergies, the objectives, activities, and actions of each project have been explored performing the next steps:

- search on UCPM database for projects in relation with disaster risk reduction;
- identify other national, European, and international initiatives from website and other sources;
- set a list of relevant projects;
- identify projects' websites;
- identify information and the objectives of the projects;
- look into the project's key activities and actions;
- look for any similar/common targeted beneficiaries;
- investigate deliverables (reports, toolboxes, platforms, etc.) – if available or Final Report;
- find the networks developed by the projects and other initiatives, and group the synergies in accordance with items of synergies matrix.

The potential synergic elements, links and collaborations identified through the analysis of the objectives, actions, and deliverables of an important number of closed UCPM projects as well as Interreg Cross Border ongoing projects and other initiatives are briefly presented in the next subchapters.

The main outcomes of the selected projects, having relevance to the SAFE-LAND goals, are described further. These outcomes can be project deliverables, materials presented at the events organized within the projects, scientific papers resulting from projects and conference proceedings as well, and they will be considered as a starting point for achieving synergies.

The matrix is constructed in the following ways:

- sub-sections that include: UCPM, Cross Border Interreg, Platform, network, and other initiatives;
- information on projects and initiatives;
- funders;
- the country that coordinate the project as Lead partner;

- the address of the web site.

UCPM & Interreg Cross Border projects

The amount of available online information is different for the two main categories of projects: the UCPM and Interreg Cross- border projects.

The UCPM Program website at the Project & Exercises section <https://civil-protection-knowledge-network.europa.eu/projects> allows to have a complete overview of the co-financed projects divided into: prevention projects, preparation projects and full-scale exercise projects: <https://civil-protection-knowledge-network.europa.eu/projects/search>.

For each single project, in addition to the description, the description of the partners, the most important section is available: output & results: <https://civil-protection-knowledge-network.europa.eu/projects/afan#inpage-section-outputs-results> where it is possible to download all the documents produced by the project partners.

For this report, the section of the website dedicated to the Knowledge Library was also used <https://civil-protection-knowledge-network.europa.eu/knowledge-library>.

For Interreg cross-border projects, funded mainly by Interreg Programs, the Keep.eu platform was used <https://keep.eu/projects/>.

Although the database is very complete, it has limitations as documents relating to outputs and results are rarely available. It is necessary to go to the project website to learn more about the project activities. Unfortunately, projects from previous programming periods do not always have an active website. Based on the conclusions of this report, SAFE - LAND will be able to develop links and collaborations for those strong synergies that will be identified.

Networks platforms & other initiatives

Several national, regional, European, and international networks involved in Disaster Risk Reduction are described briefly in this section. the information comes mainly from the partners of the SAFE - LAND project. For this category, we prioritize the development of synergies with initiatives already linked with the partners of the SAFE - LAND project in order to optimize the resources committed to deal with

these actions.

Synergies matrix construction

The Synergy Matrix was designed based on the findings presented in the previous Section. Three different types of synergies are shown in the following tables:

- dynamic synergies with ongoing projects;
- dynamic synergies with networks and other initiatives;
- static synergies with closed projects/in the process of closing, or initiatives.

After completing information on projects and initiatives, we completed the information on this matrix:

- identification of the Partner managing the synergy;
- identification of the WP to be linked;
- contact and information;
- identification of the kinds of shares of synergy;
- rating.

The “Synergy Matrix” highlights the projects and initiatives which can be the basis for developing strong synergies.

Based on the evaluation of their relevance with the SAFE-LAND topics, only the synergies ranked with *** or ** were retained as potential strong synergies. Main description of this projects and initiatives are describe in the next Section.

3. STRONG SYNERGIES AND CONNECTIONS WITH EUROPEAN PROJECTS AND OTHER INITIATIVES

Identification of synergies and connections

The synergies with past projects could be developed by using for example, the results produced by past projects. In this way the use of the lessons learned in the past will be updated and maximized by adding new value to the resources

produced. The created synergies will be shared as far as possible with the partners of the closed project.

In the case of the synergies with ongoing projects and initiatives, mutual interactions are expected between identified ongoing European projects and SAFE-LAND. Even if the interactions must be planned and managed, opportunities for establishing unexpected synergies may arise during the project’s lifetime; they will then be dealt with on a case-by-case basis. Synergies can be created by using the resources and results already produced by projects (static synergy) or by direct contacts for partnership and collaboration with project consortia. The latter one is a dynamic synergy; it must be planned and agreed upon. In this regard, a plan and a timeline must be established by a mutual agreement between project consortia.

In the following the list of the selected initiatives.

INTERREG Cross Border static synergies:

TO BE READY	The flood and Big fire foREst, prediction, forecAst and emergencY management
Partners in charge of synergies	MINISTARSTVO UNUTRASJNIH POSLOVA (MUP)
Website	https://tobeready.italy-albania-montenegro.eu/
Funder	Programme 2014 - 2020 Interreg IPA CBC Italy - Albania - Montenegro
Participating countries	Regione Molise (ITALY); REGIONE PUGLIA – Sezione protezione civile (ITALY); Ministarstvo unutrašnjih poslova, Direktorat za vanredne situacije Crne Gore (Montenegro); Ministria e Mbrotjtjes e Republikës së Shqipërisë (Albania).
Description of project	The TO BE READY project aims at facing common challenge shared among Italian, Albanian and Montenegrin Adriatic regions which, in the last years, are hit by various natural and man-made disasters mainly many wildfires and floods that have caused notable human losses, damages to environment and infrastructures than social warning. To this regard, the project overall objective is to enhance conditions to increase the safety of the Italian, Albanian and Montenegrin basin from natural and man-made disaster implementing cross border initiatives able to establish a bridge among participating regions in order to

	<p>adopt common intervention strategies in case of wildfires and floods. The principal expected changes to be achieved is improving coordination and level of preparation of strategic key actors involved in the phase of prevention and management of the emergency in case of fires and floods hazards. The main output produced by the project will be the promotion of a shared model of prevention and intervention to be activated in the partner countries. The model will be developed through activities able to stimulate the exchange of experiences and know-how among the participants in the participating countries, the establishment of intervention models and training programs with specific sessions on the organization, protocols and procedures applied in the countries of the middle Adriatic basin, in order to facilitate the easy and safe transfer of facilities, men and materials in case of major events. The cross border approach is compulsory and represents a significant added value for the project and is related to the peculiarities of the different territories involved and different ways of prevention and intervention in case of fires and floods that integrated will certainly contribute to the development of a winning operational model.</p>
Description of potential synergy	WP3: Methods/data.
Current status of synergy	Some materials are described at the website of the project https://tobeready.italy-albania-montenegro.eu/ . MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) was partner of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.
Barriers to collaboration	Project completed.

3 WATCH OUT	Trilateral model of civil protection: WAys, Tools and Challenges for OUr safeTy
Partners in charge of synergies	MINISTARSTVO UNUTRASNJIH POSLOVA (MUP)
Website	https://3watchout.italy-albania-montenegro.eu/

Funder	Programme 2014 - 2020 Interreg IPA CBC Italy - Albania - Montenegro
Participating countries	Regione Puglia Sezione Protezione Civile (IT); Università di Bari Dipartimento Scienze Agro-Ambientali e Territoriali (IT); Keshilli Qarkut Lezhe (AL); Ricerca e Cooperazione (IT); Ministarstvo Unutrašnjih Poslova – Direktorat Za Vanredne Situacije (ME); Foundation “Partneritet per Zhvillim” (AL).
Description of project	The main goal of the project 3 WATCH OUT is to facilitate an integrated and multi- sectoral approach to environmental resources, strongly anchored to local territories and landscapes, as well as able to carry out joint actions for risk prevention. The project aims to define a trilateral cooperation model in the field of civil protection, in order to share experiences and skills related to the prevention of hydrogeological, seismic and fire risks. This model defines rules for cross border cooperation in case of emergency in one of the involved countries, identifying the necessary measures to take, in order to develop a joint risk management system.
Description of potential synergy	WP5: Risk awareness: guidelines
Current status of synergy	Some materials are described into the website of the project https://3watchout.italy-albania-montenegro.eu/ MINISTARSTVO UNUTRASNIJH POSLOVA (MUP) was partner of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.
Barriers to collaboration	Project completed.

SAFE TOGETHER	Risk prevention in the cross-border area
Partners in charge of synergies	MINISTARSTVO UNUTRASNIJH POSLOVA (MUP)
Website	https://interreg-hr-ba-me.eu/2014/project/safe-together/
Funder	Programme 2014 - 2020 Interreg IPA CBC Croatia - Bosnia and Herzegovina - Montenegro

Participating countries	Ministarstvo unutrašnjih poslova Crne Gore (Montenegro); Grad Daruvar (Croatia); Grad Gradiška (Bosnia and Herzegovina).
Description of project	<p>Due to the geographical position of Croatia, Montenegro and Bosnia and Herzegovina in the Mediterranean region and to the increasing negative impacts of climate change, these countries are especially vulnerable to natural hazards such as floods, forest fires, extreme weather phenomena as well as earthquakes. The Balkan region has a long history of vulnerability to disasters caused by natural and man-made hazards, many of which transcend borders and exceed the management capacities of individual countries. All above mentioned request the necessity to make a common platform which would strengthen the regional cooperation in case of different types of risks in order to prevent disasters occurrence and their consequences, as well as make conditions for better preparedness and response in case of different types of disaster and for improving and enhancing the existing national and regional civil protection capacities through organization of common training and exercises, exchange of experiences in field of civil protection and disaster risk reduction. Therefore, improvement of conditions of training facilities and education with focus on unification of whole system with the same plan and program of trainings will provide better response and interoperability among all stakeholders involved in rescue operations.</p> <p>EXPECTED OBJECTIVE: better preparedness in cross-border area, increased level of security of the citizens and material goods.</p> <p>TARGET GROUPS: current and future members of Mountain rescue service and other rescue services, local governments, cross-border population</p> <p>ADDED VALUE: creation of joint cross- border prevention Programme, creation of preconditions for joint interventions in case of accidents, exchange of experiences, sustainable partnership.</p>
Description of potential synergy	WP2: Dissemination plan that includes an end user and stakeholder analysis

Current status of synergy	All the materials are described into the website of the project https://interreg-hr-ba-me.eu/2014/project/safe-together/ MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) was Lead partner of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.
Barriers to collaboration	Project completed.

UCPM static synergies:

SVAROG	SVAROG
Partners in charge of synergies	MINISTARSTVO UNUTRASNJIH POSLOVA (MUP)
Website	https://www.svarog2017.eu/
Funder	European Commission financial instrument Union Civil Protection Mechanism, Call for Proposals – Union Civil Protection Mechanism Exercises - GRANT AGREEMENT No: ECHO/SUB/2016/742246
Participating countries	National Protection and Rescue Directorate (DUZS) (Croatia); Entente Valabre (France); Directorate for Emergency Management of Montenegro - Ministry of Interior (Montenegro); Regional Fire Monitoring Centre (RFMC) (Former Yugoslav Republic of Macedonia); Department for Operations, Crisis and Disaster Coordination - Austrian Ministry of the Interior (Austria).
Description of project	Firefighting efforts require permanent prevention and preparedness activities aimed at an ever improving risk management and increased operational capacities. Forest fires are common threats to Croatia, Montenegro, Former Yugoslav Republic of Macedonia, Austria and France, who often share their operational know-hows and techniques. The number of fires varies and largely depends upon the weather

conditions, i.e. temperature and rainfall amounts. Due to the climate change caused increase in temperature and the prolonged periods of droughts, the number of fires and their proportions are unfortunately likely to increase in near future. This clearly demonstrates the threat to the population and the environment, as well as potential detrimental effects to the economy and the budget caused by forest fires. Therefore, there is a justified need for additional investments into strengthening of the transnational cooperation and assistance, aimed at a more efficient and faster response. Mediterranean states in particular, as significant tourist destinations, have additional obligation and responsibility to develop an advanced system of firefighting. In the recent years, new analogue and GIS tools have been developed with the aim to facilitate the management of large firefighting interventions by commanding officers. By using new technologies and applications technical capacities are increased, as well as the scope and efficiency of interventions. Throughout this project the partners want to share their experiences with colleagues from other countries in order to compare the tools in use and choose the optimal ones which in future that will include in the training programme of firefighting commanders. A need is there too to improve the communication between the aerial and ground forces in order to improve efficiency and safety on ground. Throughout the Union Civil Protection Mechanism funded project, Croatia, as the project coordinator and its project partners France, Montenegro and Former Yugoslav Republic of Macedonia, together with Austria as a project exercise player, organized four workshops and a table top exercise. The topic addressed by the project is the reception and coordination of international firefighting assistance in the event of a disastrous forest fire, as well as the application of a newly gained knowledge in tactical situation planning on the field. The general project objective is to train operational procedures when receiving, providing and coordinating international assistance provided by aerial and ground firefighting forces. The specific objective of the project is to make the participants familiar with modern technological tools used to better manage the fighting of forest fires and to

	unify new tactics and strategies for a more efficient firefighting.
Description of potential synergy	WP2: Dissemination plan that includes an end user and stakeholder analysis
Current status of synergy	All the project materials are available at the following website https://www.svarog2017.eu/ MINISTARSTVO UNUTRASNIJH POSLOVA (MUP) was partner of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.
Barriers to collaboration	Project completed.

NEIFLEX	North Eastern Italy Flood Exercise
Partners in charge of synergies	MINISTARSTVO UNUTRASNIJH POSLOVA (MUP) UNIVERSITA TELEMATICA E-CAMPUS (eCampus)
Website	https://www.protezionecivile.gov.it/it/approfondimento/ese/rcitazione-neiflex-2018/
Funder	European Commission financial instrument Union Civil Protection Mechanism
Participating countries	Austria – Ministry of Interior; Slovenia – Administration of the Republic of SLOVENIA for Civil Protection and Disaster Relief (ACPDR); Serbia - Sector for Emergency Management, Ministry of Interior of Serbia; Montenegro - MoI Directorate for Emergency Management; Russian Federation - EMERCOM of Russia.
Description of project	North Eastern Italy Flood Exercise (NEIFLEX) is a European project co-funded by the European Commission - DG ECHO which sees the Department as coordinator of a Consortium made up of Slovenia, Austria, Montenegro, France and Serbia. The project focuses on the management of flood risks, the implementation of a series of exercises dealing with "water rescue" contingencies and the organization of an extraordinary edition of the "Io Non Rischio" Campaign, in addition to sharing good practices of communication. Another

	<p>purpose of the project is to consolidate an evaluation methodology carried out in the framework of the exercise with the contribution of international experts. The NEIFLEX Project represents an opportunity to ensure important support activities to local administrations and organizations by improving communication flows, the capacity for specific flood planning, including the development of scenarios for local exercises, encouraging the capacities of volunteers and local administrators on civil protection activities. The main objective of the exercise is to implement and improve the cooperation and interoperability of civil protection modules for hydraulic risk (High Capacity Pumping - HCP, Flood Rescue Using Boat - FRB), as well as international coordination activities. The exercise also aims to verify and improve the procedures for alerting, mobilizing and sending international resources, as well as increasing the knowledge and use of the tools and structures of the Union Mechanism. The exercise also represents an opportunity for testing, learning, improving technical skills and operational cooperation for all the civil protection actors involved.</p>
Description of potential synergy	WP3: Hydrogeological risk assessment of reference areas
Current status of synergy	<p>All the project materials are available at the following website https://www.protezionecivile.gov.it/it/approfondimento/esercitazione-neiflex-2018/</p> <p>MINISTARSTVO UNUTRASNIJH POSLOVA (MUP) was partner of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.</p> <p>E- CAMPUS has direct contacts with the Italian national civil protection which supported the presentation of the SAFE-LAND project and participates actively in all activities having a general supervision and coordination</p>
Barriers to collaboration	Project completed.

BALANCE	Large Scale Earthquake Management at Western Balkans through Joint Cross Border Cooperation Activities.
----------------	--

Partners in charge of synergies	MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) UNIVERSITA TELEMATICA E-CAMPUS (eCampus)
Website	https://civil-protection-knowledge-network.europa.eu/projects/balance https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/31082527/101017992/UCPM
Funder	European Commission financial instrument Union Civil Protection Mechanism- UCPM Full-Scale Exercises – PROJECT NO. 101017992
Participating countries	EUROPEAN UNIVERSITY - CYPRUS LTD (CYPRUS); MINISTARSTVO UNUTRASNJIH POSLOVA (Montenegro); ZAVOD ZA HIDROMETEOROLOGIJU I SEIZMOLOGIJU PODGORICA (Montenegro); MINISTRY OF INTERIOR (Cyprus); PANEPISTIMIO DYTIKIS MAKEDONIAS (Greece); PROVINCIA DI POTENZA (Italy); STOLICHNA OBSHTINA (Bulgaria); ETHNIKO ASTEROSKOPEIO ATHINON (Greece); ALPHA UNMANNED SYSTEMS SL (Spain); QENDRA PER ZHVILLIMIN DHE DEMOKRATIZIMIN E INSTITUCIONEVE (Albania); KESHILLI QARKUT LEZHE (Albania); DRUSTVO SA OGRANICENOM ODGOVORNOSCU PROJECT ADVISORY GROUP PODGORICA (Montenegro); GENERAL SECRETARIAT FOR CIVIL PROTECTION (Greece); MINISTRY OF INTERIOR (Croatia).
Description of project	Disasters are huge challenges for societies, especially for urban areas, where most of the population and economic activity are located. This is especially true for countries such as Montenegro, located in the Western Balkans region that has a difficult geomorphology to be supported immediately in case of a major disaster. Moreover, during summer, the population at risk is more than doubled due to increased tourists flows. Earthquakes are a predominant risk in the Western Balkans and a major one (such as the one in Albania November 2019) can have severe impacts in the efforts of the Western Balkans' Governments for economic development and social wellbeing. The earthquake is the worst from point of view of damages, disruption of normality, life threatening situations and threat to societies / economies' resilience. This complex situation can be further complicated if a 2nd earthquake hits the vulnerable area (normal scenario in cases of big earthquakes) that may cause even bigger problems than the main one, leading infrastructures damaged by the main earthquake to collapse or become dysfunctional due to severe

	<p>damage. Moreover, urban areas' resilience status influences major neighboring areas and sometimes the whole country. This is the case Montenegro will face if a major earthquake hits in Boka Kotorska Bay affecting big part of the country. The area is the economic center of a big territory and the functions that will be damaged, cannot be easily replaced, including Unesco World Heritage Monuments. Impacts will be severe throughout the country and last quite long. A big earthquake can create shifts in economic activities that may create serious problems in the future, as Montenegro economy is dependent on tourism and the cities have clear interdependencies among them. Montenegro resilience status (will) influence neighbouring countries and especially Albania and Croatia, calling for cross border sustainable cooperation, served by BALANCE project</p>
Description of potential synergy	WP3: Reference areas, reference climate events, and damage parameters
Current status of synergy	<p>Some information is described at the following websites https://civil-protection-knowledge-network.europa.eu/projects/balance https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/31082527/101017992/UCPM MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) was partner of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.</p>
Barriers to collaboration	Project completed.

L2BR	Learn to be Resilient
Partners in charge of synergies	MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) UNIVERSITA TELEMATICA E-CAMPUS (eCampus)
Website	https://civil-protection-knowledge-network.europa.eu/projects/l2br
Funder	European Commission financial instrument Union Civil Protection Mechanism- UCPM-2020-KN-AG-

Participating countries	NALAS – Réseau des associations d'autorités locale (France); Ministarstvo unutrašnjih poslova (Montenegro); Bashkia Tiranë (Albania); The Ss. Cyril and Methodius University (North Macedonia); Institut Za Javno Zdravlje Podgorica (Montenegro); Sveučilište u Zagrebu Građevinski fakultet (Croatia);
Description of project	The L2BR aimed foster intersectoral cooperation and provided useful toolbox for improvement of prevention, preparedness, and response to earthquakes in circumstances of pandemic crisis. The project consortium included a national civil protection authority, two universities, a public health institute, a local government and five local government associations, under coordination of the network of Associations of Local Authorities in South East Europe. L2BR engaged stakeholders at local, national, regional and international levels to combine scientific research and practical exercises, supporting disaster risk management actors who promote and facilitate the development, dissemination and exchange of knowledge and expertise. Through a series of case studies, feasibility studies, guidebooks and other activities, L2BR promoted cross-sectoral cooperation and provided tools to improve earthquake prevention, preparedness and response in circumstances such as a pandemic.
Description of potential synergy	WP3: Reference areas, reference climate events, and damage parameters
Current status of synergy	Deliverables and results are described at the following website https://civil-protection-knowledge-network.europa.eu/projects/l2br#inpage-section-outputs-results MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) was partner of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.
Barriers to collaboration	Project completed.

HOPE	Complex Earthquake Management in South Caucasus Vulnerable Areas through Effective Planning, Reaction and Joint Operations
-------------	---

Partners in charge of synergies	MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) UNIVERSITA TELEMATICA E-CAMPUS (eCampus)
Website	https://civil-protection-knowledge-network.europa.eu/projects/hope
Funder	European Commission financial instrument Union Civil Protection Mechanism- UCPM Full-Scale Exercises PROJECT NO. P101048502
Participating countries	European University Cyprus_CERIDES (Cyprus); Ministry of Emergency Situations (Armenia); Ministry of Interior / Cyprus Civil Defense (Cyprus); Protection and Rescue Directorate (North Macedonia); Ministry of Interior (Montenegro); Bureau De Recherches Geologiques Et Minieres (France); Ministry of Interior (France); General Secretariat Civil Protection (Greece). The project will also be supported by the Emergency management Service (EMS) of Georgia, and by the International Search and Rescue Advisory Group (INSARAG).
Description of project	<p>The aim of the project is to improve civil protection preparedness and response capabilities of Armenia in dealing with large, complex disasters that require joint response coordination facilitated via the Union Civil Protection Mechanism and INSARAG. South Caucasus countries' efforts for sustainable development are clearly threatened by a devastating earthquake. Thus, sharing capacities, capabilities and resources, scientific support decision making, use of proven innovative tools, and joint training / exercising can lead to radical improvement of international cross border cooperation procedures of the Mechanism.</p> <p>Project HOPE had various activities and sub-activities throughout its duration which can be grouped into three major sections: a) Planning phase, b) Exercise implementation, c) After-actions activities. In the planning phase the activities that were carried out achieved to identify all requirements, needs and gaps leading up to the exercise periods. Not only planning meetings / conferences with the partners were made to coordinate and monitor the progress of the project and ensure the achievement of the project objectives; but also seminars, workshops, training and dissemination activities with the objective to bring together the participating countries for exchanging their experiences, information on available equipment and team structures, whilst best practices were identified and adopted. Trainings depending</p>

	on the needs of the host nation were also implemented to exchange technical expertise among the participating countries.
Description of potential synergy	WP5: Risk awareness: guidelines
Current status of synergy	Deliverables and results are described at the following websites https://civil-protection-knowledge-network.europa.eu/projects/l2br#inpage-section-outputs-results https://storymaps.arcgis.com/stories/3bebc666704e423d92d6b3a70577f6fe MINISTARSTVO UNUTRASNIJH POSLOVA (MUP) was partner of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.
Barriers to collaboration	Project completed.

SEE ME	Safe and Equal in Emergencies
Partners in charge of synergies	MINISTARSTVO UNUTRASNIJH POSLOVA (MUP) MEDJIMURJE COUNTY (MED)
Website	https://civil-protection-knowledge-network.europa.eu/projects/see-me#inpage-section-overview
Funder	European Commission financial instrument Union Civil Protection Mechanism- Cross-border prevention and preparedness and marine pollution (Track 2)
Participating countries	Ministry of Interior of the Republic of Croatia; Uprava RS za zaščito in reševanje, Ministrstvo za obrambo (Slovenia); Ministarstvo unutrašnjih poslova (Montenegro)
Description of project	The Safe and Equal in EMERgencies (SEE ME) project aims to ensure that persons with disabilities have equal access to opportunities in emergency situations. Despite the adoption of the UN Convention on the Rights of Persons with Disabilities (2006) and the 2010-20 European Disability Strategy, persons

	<p>with disabilities face inadequate access to rescue in emergency situations. This results from a lack of common standards in their protection and rescue, and their right to equal access and opportunities in emergencies is often neglected. Persons with disabilities are excluded from decision-making in the emergency planning and management process, and first responders are not trained to rescue and protect different disability groups. These barriers exacerbate the vulnerability of an already vulnerable group in society. SEE ME aims to improve the safety of persons with disabilities and ensure they have equality in emergencies by: raising awareness to equal rights in emergencies; analysing gaps and needs in the protection and rescue of persons with disabilities; collecting and exchanging best practices, expertise and planning; and developing guidelines and protocols related to assistance, protection and rescue of persons with disabilities. The project also advocates for persons with disabilities to play an active role in civil protection prevention and in planning activities.</p>
Description of potential synergy	WP3: Reference areas, reference climate events, and damage parameters
Current status of synergy	<p>Deliverables and results are described at the following websites https://civil-protection-knowledge-network.europa.eu/projects/see-me#inpage-section-outputs-results MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) was partner of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.</p> <p>MEDJIMURJE COUNTY (MED) also was involved into the project and they could access directly to the specifications and data about use case.</p>
Barriers to collaboration	Project completed.

DRMCA MNE	Disaster Risk Management Capability Assessment
Partners in charge of synergies	MINISTARSTVO UNUTRASNJIH POSLOVA (MUP)
Website	https://civil-protection-knowledge-network.europa.eu/projects/disaster-risk-management-capability-assessment

	https://civil-protection-humanitarian-aid.ec.europa.eu/funding-evaluations/financing-civil-protection/prevention-and-preparedness-projects-civil-protection/overview-past-track-i-and-track-ii-projects/track-1-disaster-risk-management-capability-assessment-me_en
Funder	European Commission financial instrument Union Civil Protection Mechanism- Single country grants for disaster risk management (Track 1)
Participating countries	The Rescue and Protection Directorate, the Ministry of Interior of Montenegro. (Montenegro)
Description of project	The Disaster Risk Management Capability Assessment drafted by the Government of Montenegro will enable a more realistic and comprehensive overview of technical, financial and administrative capacity in Montenegro for carrying out adequate risk assessment, risk management planning for prevention and preparedness and risk prevention and preparedness measures.
Description of potential synergy	WP5: Risk awareness: guidelines
Current status of synergy	Deliverables and results are described at the following websites https://civil-protection-humanitarian-aid.ec.europa.eu/funding-evaluations/financing-civil-protection/prevention-and-preparedness-projects-civil-protection/overview-past-track-i-and-track-ii-projects/track-1-disaster-risk-management-capability-assessment-me_en https://civil-protection-knowledge-network.europa.eu/projects/disaster-risk-management-capability-assessment#inpage-section-description MINISTARSTVO UNUTRASNIJH POSLOVA (MUP) was coordinator of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.
Barriers to collaboration	Project completed.

CROSScade	Cross-border cascading risk management for critical infrastructure in Sava river Basin.
Partners in charge of synergies	MEDJIMURJE COUNTY (MED)

Website	https://civil-protection-knowledge-network.europa.eu/projects/crosscade
Funder	European Commission financial instrument Union Civil Protection Mechanism- Cross-border prevention and preparedness and marine pollution (Track 2)
Participating countries	Sveučilište u Zagrebu Građevinski fakultet (Croatia); INFRA Plan Konzaltnig (Croatia); Zavod za gradbeništvo Slovenije (Slovenia); Hrvatske vode (Croatia); Univerza v Ljubljani (Slovenia).
Description of project	<p>The Cross-border cascading risk management for critical infrastructure in the Sava River Basin (CROSScade) project will focus on analysing cross-border risks between Slovenia and Croatia caused by earthquakes and floods, as well as possible subsequent cascading sequences of events along the Sava River. These two neighbouring countries are particularly vulnerable to earthquakes and river flooding for two reasons. Firstly, they are near the ends of major European river systems, and secondly, their positions are in seismically active areas (the juncture of three geotectonic units: the Alps in the north and west; the Dinarides in the southern, south-western and central part; and the Pannonian Basin in the northeast). As a result of the recent earthquakes in Croatia (in March and December of 2020), the integrity of the flood protection system and transportation networks was significantly damaged. By focusing on the earthquake aftermath, critical infrastructure managers (CIMs) and Civil Protection Authorities (CPAs) overlooked the impact of floods caused by the earthquake-induced failures in the flood protection system. Therefore, CROSScade focuses on the vulnerability of the flood protection system, hydropower plant dams, and transport infrastructure, which are vital for CIMs, CPAs, and disaster relief operations. The project will deliver a cross-border risk assessment methodology and action plans that will increase the structural resilience of critical infrastructure and enhance transboundary communication between CIMs and CPAs. The methodology will be demonstrated in the cross-border pilot area of the Sava River Basin. Action plans will be formulated to increase resilience in the region. The consortium includes five partners from Croatia and Slovenia who have a proven track record in collaboration in previous H2020 and EU Civil Protection Mechanism (UCPM) projects (the most relevant being oVERFLOW and BORIS) in addition to the design and post-hazard integrity</p>

	assessment of critical infrastructure.
Description of potential synergy	WP3: Reference areas, reference climate events, and damage parameters
Current status of synergy	Deliverables and results are described at the following website https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43298203/101048395/UCPM2027 MEDJIMURJE COUNTY (MED) was involved into the project and they could access directly to the specifications and data about use case.
Barriers to collaboration	Project completed.

UCPM dynamic synergies:

DrawData	Drafting Disaster Risk Reduction Awareness Raising Guidelines and Disaster Loss Data & Assessment System
Partners incharge of synergies	MEDJIMURJE COUNTY (MED)
Website	https://civil-protection-knowledge-network.europa.eu/projects/drawdata
Funder	European Commission financial instrument Union Civil Protection Mechanism- Single country grants for disaster risk management (Track 1)
Participating countries	Ministry of Interior of the Republic of Croatia
Description of project	The project aims to develop a disaster risk reduction framework. Developing the framework will include drafting the first national raising awareness guidelines through discussions with all relevant disaster risk management stakeholders as well as implementing one of the guideline’s activities – developing and distributing raising awareness material for children, young persons and visually impaired persons. Monitoring the effectiveness of raising awareness and education activities is crucial to their improvement and to reaching the overall goal:

	<p>risk aware population. That is why one of the project’s activities will include developing a sustainable awareness monitoring system. Risk awareness must be based on data and accurate information for it to be better accepted by the public and to enhance public’s trust in disaster risk management and awareness of the importance of the disaster risk reduction measures. The project includes developing a bottom up disaster loss data collection and damage and loss assessment system. This system will be developed, local and national stakeholders educated and the system tested in 4 pilot areas in 4 regions in the country. The culmination of the project will manifest through local level and civil protection officials implementing collected disaster loss data into the raising awareness activities and materials for greater impact – making the information more relevant and relatable for the citizens of each of the pilot areas.</p>
Description of potential synergy	WP5: Risk awareness: guidelines
Current status of synergy	The project activities started on 1 January 2024, the deliverables and results will be shared through MEDJIMURJE COUNTY (MED) who is involved into the project and they could access directly to the specifications and data about use case.
Barriers to collaboration	No barriers identified so far.

ALTER112	Strengthening the human and technical aspects of public warning and crisis communication
Partners in charge of synergies	MEDJIMURJE COUNTY (MED)
Website	https://civilna-zastita.gov.hr/jacanje-ljudskih-i-tehnickih-aspekata-javnog-upozoravanja-i-kriznog-komuniciranja-alter112/6679
Funder	Union Civil Protection Mechanism
Participating countries	Ministry of Internal Affairs of the Republic of Croatia - Directorate of Civil Protection
Description of project	The goal of the ALTER 112 Project (Aspects of Human and Technical Development of System 112) is to strengthen the human and technical aspects of public alarm and warning and communication in crisis (emergency) situations in the Republic of Croatia.

	<p>The first part refers to the development of the competences of the operators of the 112 centers and the revision of the existing ones and the creation of proposals for new standard operating procedures and other operating documents.</p> <p>The second part will provide easier access to the financing of investments in disaster risk management through the creation of a conceptual project for the modernization of the public alarm and warning system using sirens. The conceptual project will include technical specifications for the upgrade and modernization of existing sirens and the selection of locations for the installation of new electronic sirens.</p> <p>By achieving the goal of the project, improved capabilities of 112 center operators will be achieved (in terms of knowledge of regulations, communication skills, especially with people with disabilities, knowledge of psychological aspects of behavior and stress reduction, use of new communication technologies, cooperation with emergency services, etc.), revision of existing and the development of new standard operating procedures and other operational documents that regulate and standardize the operational procedures for various extraordinary events, as well as the technical documentation for the public procurement procedure for the Concept Project and, ultimately, the delivered Concept Project for the modernization of the public alarm and warning system using sirens .</p>
Description of potential synergy	WP2: Dissemination plan that includes an end user and stakeholder analysis
Current status of synergy	The project activities will end on December 2024, the deliverables and results will be shared through MEDJIMURJE COUNTY (MED) who is involved into the project and they could access directly to the specifications and data about use case.
Barriers to collaboration	no collaboration problems identified so far.

ROSES	Cross Border Risk Awareness in Western Balkans
Partners in charge of synergies	MINISTARSTVO UNUTRASNJIH POSLOVA (MUP)
Website	https://civil-protection-knowledge-network.europa.eu/projects/roses#inpage-section-

	overview
Funder	European Commission financial instrument Union Civil Protection Mechanism- Cross-border prevention and preparedness and marine pollution (Track 2)
Participating countries	University of Western Macedonia (Greece); Ministarstvo unutrašnjih poslova (Montenegro); Ministry of Security of Bosnia and Herzegovina (Bosnia and Herzegovina); European University Cyprus (Cyprus); The Centre for Development and Democratization of Institutions (CDDI) (Albania); Agjencia Kombëtare e Mbrojtjes Civile (Albania); Direkcija za zaštita Spasuvanje (North Macedonia); The General Secretariat for Civil Protection – Greece; Etaireia Meleton Ypiresion Kai Logismikou Geochorikis Pliroforias I.K.E (Greece).
Description of project	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.
Description of potential synergy	WP5: Hydrogeological risk management: guidelines
Current status of synergy	The project is ongoing, started on 1 January 2023 Deliverables and results are described at the following website https://civil-protection-knowledge-network.europa.eu/projects/roses#inpage-section-project-content MINISTARSTVO UNUTRASNIJH POSLOVA (MUP) is partner of the project and they could access directly to the specifications and data about use case. Contact persons

	are active members of the SAFE - LAND project.
Barriers to collaboration	no collaboration problems identified so far.

FloodNorthALB	Managing Complex Floods in North Albania through Cross Border Host Nation Support and Joint Cooperation.
Partners in charge of synergies	MINISTARSTVO UNUTRASJNIH POSLOVA (MUP)
Website	https://civil-protection-knowledge-network.europa.eu/projects/floodnorthalb
Funder	European Commission financial instrument Union Civil Protection Mechanism- Full-scale exercises
Participating countries	Agjencia Kombëtare e Mbrojtjes Civile- Albania; European University Cyprus; Ministarstvo unutrašnjih poslova – Montenegro; Qendra për Zhvillimin dhe Demokratizimin e Institucioneve (QZHDI) – Albania; The General Secretariat for Civil Protection – Greece; European Education Initiative -Albania; Ministry of Interior – Cyprus; Croce Rossa Italiana – Italy.
Description of project	Natural disasters pose a high risk to citizens’ lives, property, environment and cultural heritage monuments, especially in developing countries such as Albania. The entire process of economic and social development of a country is at risk often incurring high costs that countries cannot bear. The recent initiatives for a unified market establishment in Western Balkans –as EU has- is one example of emblematic political economic initiatives that must be secured from major disasters. With FloodNorthALB project we address complex floods in the Region of Shkodra, that suffers regularly from severe floods- at the borders with Montenegro (also impacted by those floods). The region of Shkodra is a characteristic example of susceptible area to severe floods risk, repeatedly, with a complex system to deal with. The conditions is getting worse due to climate crisis that is already present in Northwestern Albania. The aim of the FloodNorthALB FSX project is to improve civil protection preparedness and response capabilities of ALBANIA in dealing with large, complex disasters that require joint response coordination facilitated via the Union Civil Protection

	<p>Mechanism. Western Balkans integrated economic efforts face serious threaten by a major disaster and FloodNorthALB aims to strengthen the whole regional civil protection system of Western Balkans, through the active participation in the full scale exercise of all national civil protection authorities of the WB countries and neighbouring ones. The focus will be in creating the framework for sharing capacities, capabilities and resources, scientific support decision making, use of proven innovative tools, and joint training / exercising that can lead to radical improvement of international regional /cross border cooperation procedures of the UCPM. Albania the recently entered the mechanism can play a leading role in the area.</p>
Description of potential synergy	WP5: Hydrogeological risk management: guidelines
Current status of synergy	<p>The project is ongoing, started on 1 January 2024</p> <p>Deliverables and results are described at the following website https://civil-protection-knowledge-network.europa.eu/projects/floodnorthalb#inpage-section-project-content MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) is partner of the project and they could access directly to the specifications and data about use case. Contact persons are active members of the SAFE - LAND project.</p>
Barriers to collaboration	no collaboration problems identified so far.

MEDEA	Multidimensional seismic risk assessment combining structural damages and psychological consequences using explainable artificial intelligence.
Partners incharge of synergies	Università Telematica eCampus (ECAMPUS); Università di Pisa(UNIFI); Medjimurje County (MED).
Website	https://civil-protection-knowledge-network.europa.eu/projects/medea#inpage-section-project-content
Funder	European Commission financial instrument Union Civil Protection Mechanism- Cross-border prevention and preparedness and marine pollution (Track 2)
Participating countries	Università Telematica eCampus- Italy; Università di Pisa- Italy; Medjimurje County- Croatia; Gasilska Zveza Slovenije – Slovenia.

<p>Description of project</p>	<p>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 KB based on available data. 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 app, and will help civil protection authorities when planning mitigation strategies to reduce damages and losses.</p>
<p>Description of potential synergy</p>	<p>All the WPS (1-6) as SAFE-LAND project activities are the natural capitalization of the use of Artificial Intelligence models for Disaster Risk Reduction</p>
<p>Current status of synergy</p>	<p>The project is ongoing, it will be concluded on November 2024. Deliverables and results are described at the following website https://civil-protection-knowledge-network.europa.eu/projects/medea#inpage-section-outputs-results</p> <p>Università Telematica eCampus (ECAMPUS); Università di Pisa(UNIPI); Medjmurje County (MED) are coordinator and partners of both projects.</p>
<p>Barriers to collaboration</p>	<p>no collaboration problems identified so far.</p>

<p>DPPI SEE</p>	<p>Regional Initiative – Disaster Preparedness and Prevention Initiative for South-Eastern Europe</p>
------------------------	--

Partners in charge of synergies	MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) Medimurje County (MED).
Website	https://dppi.info/
Funder	Public
Members	Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Republic of North Macedonia, Montenegro, Romania, Serbia, Slovenia and Turkey
Description	<p>South East Europe is prone to disasters that transcend borders and overwhelm the capacity of a single country to cope. The level of preparedness and prevention capacities varies considerably from country to country. Some threats, such as flooding and forest fires tend to be seasonal in nature and thus present opportunities for immediate preparedness measures and mutual cooperation between neighbouring nations. In November 2000, the Stability Pact for South Eastern Europe launched the “Disaster Preparedness and Prevention Initiative” (DPPI) in an effort to contribute to the development of a cohesive regional strategy for disaster preparedness and prevention for its 10 member States (Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Republic of North Macedonia, Montenegro, Romania, Serbia, Slovenia and Turkey). The DPPI has been conceived as an activity that seeks to provide a framework for South Eastern European nations to develop programs and projects leading to strengthened capabilities in preventing and responding to natural and man-made disasters. It also brings together donor countries and international governmental and non-governmental organizations to coordinate ongoing activities and identify unmet needs in order to improve the efficiency of national disaster management systems within the regional cooperation framework. The overarching goal of the DPPI is to foster regional cooperation and coordination in disaster preparedness and prevention for natural and man-made disasters in South Eastern Europe, without creating new structures or layers of bureaucracy. The DPPI attempts to:</p> <ul style="list-style-type: none"> Strengthen good neighbourly relations and stability through the exchange of information, lessons learnt and best practices in the field of disaster management Enhance cooperation between DPPI partners in view of EU

	<p>enlargement and the process of Euro – Atlantic integration for SEE countries</p> <p>Support and encourage countries in the region to develop, adopt and/or enforce state-of-the-art disaster emergency legislation, environmental regulations and codes designed to prevent and mitigate disasters in line with guidelines and common practices accepted in the international community.</p> <p>Assist and encourage countries in the region to implement the Sendai Framework for Disaster Risk Reduction 2015-2030. Transition After the completion of the transition process from the Stability Pact for SEE to the regionally-owned Regional Cooperation Council, established on 27 February 2008 a new stage begins for the cooperation between countries in South-East Europe. In the capacity of the operational arm of the South-East European Cooperation Process (SEEC), the Regional Cooperation Council with its Secretariat in Sarajevo took over the coordination of relevant initiatives and task forces inherited from the Stability Pact for South Eastern Europe.</p>
Description of potential synergy	All the WPs (1-6)
Current status of synergy	The partners from Montenegro and Croatia: MINISTARSTVO UNUTRASNJIH POSLOVA (MUP), Medjimurje County (MED) will involve the regional initiative and will share with the SAFE-LAND consortium some guidelines and best practices.
Barriers to collaboration	no collaboration problems identified so far

IPAFF at school	Initiative of the Programme IPA FLOODS AND FIRE
Partners in charge of synergies	MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) UNIVERSITA' TELEMATICA ECAMPUS
Website	https://www.ipaff.eu/ipaff-at-school/
Funder	Public
Members	Albania, Bosnia and Herzegovina, Kosovo*, Montenegro, North Macedonia, Serbia and Turkey.

Description	<p>IPAFF meets the school is the IPAFF program’s awareness raising initiative for high schools in Western Balkans countries: Albania, Bosnia-Herzegovina, Kosovo, Montenegro, North Macedonia, Serbia and Turkiye.</p> <p>The initiative provides information on wildfires risk management and it engages students in a contest prizing the best projects on the issue of risk mitigation</p>
Description of potential synergy	WP 2 - Dissemination plan that includes an end user and stakeholder analysis
Current status of synergy	<p>The partner MINISTARSTVO UNUTRASNJIH POSLOVA (MUP) was involved in the initiative and will share with the SAFE-LAND consortium some guidelines and best practices.</p> <p>Some materials to support the training will be used for the WP Communication.</p>
Barriers to collaboration	Programme completed

DRMKC	Disaster Risk Management Knowledge Centre
Partners in charge of synergies	UNIVERSITA’ TELEMATICA ECAMPUS
Website	https://drmkc.jrc.ec.europa.eu/
Funder	Public
Members	EU candidates and potential candidates countries.
Description	<p>The European Commission launched in 2015 the Disaster Risk Management Knowledge Centre (DRMKC) with the aim to reinforce the contribution of science to policy-making. IPA DRAM complements and continues the support previously provided by EU candidates and potential candidates in the field of disaster risk management under IPA Multi-beneficiary and will take stock of existing projects in the same areas of intervention.</p> <p>The European Commission Disaster Risk Management Knowledge Centre integrates existing scientific multi-disciplinary knowledge and co-develops innovative solutions for existing needs. Activities of the EC DRMKC support the translation of complex scientific data and analyses into usable information and provides science-based advice for DRM policies.</p>
Description of	WP 2 - Dissemination plan that includes an end user and

potential synergy	stakeholder analysis WP 5 - Risk awareness: guidelines
Current status of synergy	The tool is used by all the partners of the SAFE – LAND project and first of all by the coordinator, as it has the capacity to produce easy-to-read and ready-to-use dissemination material for policy makers.
Barriers to collaboration	no collaboration problems identified so far

CBSS	The Council of the Baltic Sea States Civil Protection Network
Partners in charge of synergies	UNIVERSITA' TELEMATICA ECAMPUS
Website	https://cbss.org/cbss-bodies/civil-protection-network-2/
Funder	Public
Members	EU candidates and potential candidates countries.
Description	<p>The CBSS Civil Protection Network connects civil protection agencies from the CBSS Member States in the Baltic Sea Region to exchange the latest developments and challenges, and to agree on the most important issues regarding civil protection and societal security that should be tackled collectively.</p> <p>The CBSS Civil Protection Network (CPN) was established in 2002. It gathers Directors General for Civil Protection and Senior Experts from all CBSS Member States to discuss and agree on the most important issues in civil protection which should be tackled together, build capacity, exchange knowledge and expertise, and implement transnational projects with macroregional impact. Regular informal high-level meetings by the Directors General are essential to give directions and momentum to the expert work. CPN is a unique platform for civil protection professionals in the Baltic Sea Region to work together – it is also the only place where experts from EU countries meet their peers from Iceland and Norway. The overall strategic priority of the CPN is building a common societal security culture in the BSR, shared attitudes towards societal security threats and an understanding of prevention, preparedness, and response as well as recovery and learning processes in connection with disasters. The importance of this cooperation has been reinforced by the deteriorating</p>

	security situation in the region and the increasing impact of climate change, affecting the life and health of the population the environment and the economy. Forest fires, floods and crime spread across borders. But national legislation and strategies to deal with such issues can differ greatly. Organised cross-border actions can save lives and money.
Description of potential synergy	WP 2 - Dissemination plan that includes an end user and stakeholder analysis WP 5 - Risk awareness: guidelines
Current status of synergy	The network is used by all the partners of the SAFE – LAND project and first of all by the coordinator.
Barriers to collaboration	no collaboration problems identified so far

Identification of resources for potential synergies actions

At this early stage, the Strategic Plan of SAFE-LAND synergy Process is a general one. It should be finalized after contacting the projects which dynamic synergies could be established. All static synergies that were identify can be used, in certain conditions, without any strategy.

Based on the assessment done by this report, we could establish connections and partnerships and built strong dynamic synergies with the projects/initiatives/networks presented in Table 3.

Table 3 – synergies with WP of SAFE - LAND

Project	WP1	WP2	WP3	WP4	WP5	WP6
TO BE READY			X			

3 WATCH OUT					X	
SAFE TOGETHER		X				
SVAROG		X				
NEIFLEX			X			
BALANCE			X			
L2BR			X			
HOPE					X	
SEE ME			X			
DRMCA MNE					X	
CROSScade			X			
DrawData						X
ALTER112		X				
ROSES						X
FloodNorthALB						X
MEDEA	X	X	X	X	X	X
DPPI SEE	X	X	X	X	X	X
IPAFF at school		X				
DRMKC		X				X
CBSS		X				X

In 2024, SAFE-LAND project could develop a strategy for growing and building synergy actions with selected initiatives and projects. This Synergy Process for the project length (2024– 2026) will be in accordance with goals and main objectives of the SAFE-LAND project. This document identifies short term objectives, to be achieved during the 2-year period.

4. CONCLUSION

The stimulation of strategic cooperation between stakeholders involved and the encouragement of the synergies among European related projects should represent a priority for European programs. Interaction and synergies between various types of stakeholders, organizations and projects must be promoted and the projects themselves should generate synergies in accordance with the expected impact of the topic of SAFE- LAND.

Accordingly, the report investigated the possible synergies and links that could be developed with other European projects and initiatives. The existence of an ample documentation sources makes possible to create synergies between the projects already closed or ongoing, leading to the addition of added value and use of existing resources.

The scan for projects specifically addressing Disaster Risk Reduction have done:

13 UCPM projects, 3 INTERREG projects, 4 other initiatives. From a total of 20 European projects and other initiatives have been identified to establishing synergies. Developing synergies evaluation tool will become very important in selecting and ranking the projects for which there is considerable potential in establishing synergies. To do this we have developed a matrix of potential synergies. The SynergiesMatrix was elaborated to select in 5 steps the projects for building synergies. The partners will be able to select and use, and furthermore to establish synergies with selected European projects/initiatives for producing other resources with a high added value. The detailed list of the 20 initiatives and projects with the potentialsynergy actions is presented.

REFERENCES

Aldrich, N., & Benson, W. F. (2008). Peer reviewed: disaster preparedness and the chronic disease needs of vulnerable older adults. *Preventing chronic disease*, 5(1).

ANNEX I – SYNERGIES MATRIX

SAFE-LAND synergies matrix									
Static synergies: existing outcomes generated by past projects					Ranking:		***- HIGH – the resource is relevant for SAFE-LAND objectives **- MODERATE – the resource could be relevant for SAFE-LAND objectives *- LOW – the resource is relevant for the general topic -- not at all		
Dynamic synergies: ongoing projects, network, platform, etc									
Possible synergies actions:									
case studies									
surveys									
stakeholders									
methods/data									
networking									
conference events									
training									
.....									

INTERREG									
responsible partner	WP	Project	Duration	information	synergies: static or dynamic	call	web site	Possible synergies	Ranking
MUP ECAMPUS	WP3	TO BE READY	closed project	to enhance conditions to increase the safety of the Italian, Albanian and Montenegrin basin from natural and man-made disaster implementing cross border initiatives able to establish a bridge among participating regions in order to adopt common intervention strategies in case of wildfires and floods	static	INTERREG IPA ITAL ME	https://tobeready.italy-albania-montenegro.eu/	specification / use case	***
MUP ECAMPUS	WP5	3 WATCH OUT	closed project	The project aims to define a trilateral cooperation model in the field of civil protection, in order to share experiences and skills related to the prevention of hydrogeological, seismic and fire risks.	static	INTERREG IPA ITAL ME	https://3watchout.italy-albania-montenegro.eu/	Methods/data	**
MUP ECAMPUS	WP2	SAFE TOGETHER	Closed project	better preparedness in cross-border area, increased level of security of the citizens and material goods.	static	Interreg IPA CBC Croatia - Bosnia and Herzegovina - Montenegro	https://interreg-hr-bame.eu/2014/project/safe-together/		*

UCPM									
responsible partner	WP	Duration	information	synergies: static or dynamic	call	web site	Possible synergies	Ranking	
MUP ECAMPUS	WP2	Project concluded	Throughout this project the partners want to share their experiences with colleagues from other countries in order to compare the tools in use and	static	CPM - Union Civil Protection Mechanism Exercises	https://www.svarog2017.eu/		*	

					choose the optimal ones which in future that will include in the training programme of firefighting commanders.						
	MUP ECAMPUS	WP3	NEIFLEX	Project concluded	The project focuses on the management of flood risks, the implementation of a series of exercises dealing with "water rescue" contingencies	static	UCPM	https://www.protezionecivile.gov.it/it/approfondimento/esercitazione-neiflex-2018/	events/networks	***	
	MUP ECAMPUS	WP3	BALANCE	Project concluded	improve resilience on earthquakes	static	UCPM Full-Scale Exercises	https://civil-protection-knowledge-network.europa.eu/projects/balance https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/31082527/101017992/UCPM		*	
	MUP ECAMPUS	WP3	L2BR	Project concluded	The L2BR aimed foster intersectoral cooperation and provided useful toolbox for improvement of prevention, preparedness, and response to earthquakes in circumstances of pandemic crisis.	static	UCPM-2020-KN-AG-	https://civil-protection-knowledge-network.europa.eu/projects/l2br	evolution of protocols, standards and innovative models	**	
	MUP ECAMPUS	WP5	HOPE	Project concluded	The aim of the project is to improve civil protection preparedness and response capabilities of Armenia in dealing with large, complex disasters that require joint response coordination facilitated via the Union Civil Protection Mechanism and INSARAG.	static	UCPM Full-Scale Exercises	https://civil-protection-knowledge-network.europa.eu/projects/hope		*	
	MUP MED	WP3	SEE ME	Project concluded	The Safe and Equal in EMERgencies (SEE ME) project aims to ensure that persons with disabilities have equal access to opportunities in emergency situations.	static	UCPM - Cross-border prevention and preparedness and marine pollution	https://civil-protection-knowledge-network.europa.eu/projects/see-me#inpage-section-overview		*	
	MUP	WP5	DRMCA MNE	Project concluded	The Disaster Risk Management Capability Assessment drafted by the Government of Montenegro will enable a more realistic and comprehensive overview of technical, financial and administrative capacity in Montenegro for carrying out adequate risk assessment, risk management planning for prevention and preparedness and risk prevention and preparedness measures.	static	UCPM - Single country grants for disaster risk management	https://civil-protection-knowledge-network.europa.eu/projects/disaster-risk-management-capability-assessment https://civil-protection-humanitarian-aid.ec.europa.eu/funding-evaluations/financing-civil-protection/prevention-and-preparedness-projects-civil-protection/overview-past-track-i-and-track-ii-projects/track-1-disaster-risk-management-capability-assessment-me_en		*	
	MED	WP3	CROSScade	Project concluded	The Cross-border cascading risk management for critical infrastructure in the Sava River Basin (CROSScade) project will focus on	static	UCPM - Cross-border prevention and preparedness	https://civil-protection-knowledge-network.europa.eu/		*	

					analysing cross-border risks between Slovenia and Croatia caused by earthquakes and floods, as well as possible subsequent cascading sequences of events along the Sava River.		and marine pollution	projects/crosscade		
	MED	WP5	DrawData	1 January 2024 31 December 2025	The project aims to develop a disaster risk reduction framework. Developing the framework will include drafting the first national raising awareness guidelines through discussions with all relevant disaster risk management stakeholders as well as implementing one of the guideline's activities – developing and distributing raising awareness material for children, young persons and visually impaired persons.	dynamic	UCPM - Single country grants for disaster risk management	https://civil-protection-knowledge-network.europa.eu/projects/drawdata		*
	MED	WP2	ALTER112	1.1.2023. - 31.12.2024. (24 months)	The goal of the ALTER 112 Project (Aspects of Human and Technical Development of System 112) is to strengthen the human and technical aspects of public alarm and warning and communication in crisis (emergency) situations in the Republic of Croatia.	dynamic	UCPM - Single country grants for disaster risk management	https://civilnazastita.gov.hr/jacanjeljudskihitehnickih-itehnickih-asppekata-javnog-upozoravanja-ikriznog-komuniciranjaalter112/6679	case study, user and targetneed.	**
	MUP	WP5	ROSES	1 January 2023 31 December 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.	dynamic	UCPM - Cross-border prevention and preparedness and marine pollution	https://civil-protection-knowledge-network.europa.eu/projects/roses#inpage-section-overview	specifications/ use case	*/**
	MUP	WP5	FloodNorthALB	1 January 2024 31 December 2025	The aim of the FloodNorthALB FSX project is to improve civil protection preparedness and response capabilities of ALBANIA in dealing with large, complex disasters that require joint response coordination facilitated via the Union Civil Protection Mechanism. Western Balkans integrated economic efforts face serious threaten by a major disaster and FloodNorthALB aims to strengthen the whole regional civil protection system of Western Balkans, through the active participation in the full scale exercise of all national civil protection authorities of the WB countries and neighbouring ones.	dynamic	UCPM - Full-scale exercises	https://civil-protection-knowledge-network.europa.eu/projects/floodnorthalb	specifications/ use case	***
	ECAMPUS UNIPi MED	WP1/2/3 /4/5/6	MEDEA	1 December 2022 30 November 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	dynamic	UCPM - Cross-border prevention and preparedness and marine pollution	https://civil-protection-knowledge-network.europa.eu/projects/medea#inpage-section-project-content	Capitalized project in SAFE-LAND	***

parameters, which serve as a representative set of the structures and families in existing areas.

OTHER INITIATIVE:							
responsible	WP	Initiative	information	synergies:st dynamic	web site	Possible synergies	Rankin
MUP ECAMPUS MUP	WP1-2-3-4-5-6	DPPI SEE	The DPPI has been conceived as an activity that seeks to provide a framework for South Eastern European nations to develop programs and projects leading to strengthened capabilities in preventing and responding to natural and man-made disasters.	dynamic	https://dpi.info/	specifications/us e case	***
MUP ECAMPUS	WP2	IPAFF at school	IPAFF meets the school is the IPAFF program's awareness raising initiative for high schools in Western Balkans countries: Albania, Bosnia-Herzegovina, Kosovo, Montenegro, North Macedonia, Serbia and Turkiye. The initiative provides information on wildfires risk management and it engages students in a contest prizing the best projects on the issue of risk mitigation	dynamic	https://www.ipaff.eu/ipaff-at-school/	Methods/data	**
MUP ECAMPUS	WP2 - 5	DRMKC	The European Commission launched in 2015 the Disaster Risk Management Knowledge Centre (DRMKC) with the aim to reinforce the contribution of science to policy-making. IPA DRAM complements and continues the support previously provided by EU candidates and potential candidates in the field of disaster risk management under IPA Multi-beneficiary and will take stock of existing projects in the same areas of intervention.	dynamic	https://drmkc.jrc.ec.europa.eu/	Methods/data	***
ECAMPUS	WP2 - 5	CBSS	The CBSS Civil Protection Network connects civil protection agencies from the CBSS Member States in the Baltic Sea Region to exchange the latest developments and challenges, and to agree on the most important issues regarding civil protection and societal security that should be tackled collectively.	dynamic	https://cbss.org/cbss-bodies/civil-protection-network-2/	Methods/data	***