

The Consortium

A comprehensive approach to the ESPRESSO objectives requires a strong, multi-disciplinary group. The ESPRESSO consortium is formed by seven European partners having sound expertise in legal and governance issues and natural risk management, socio-economic aspects and resilience, hard science and statistical approaches to multi-risk and resilience.

The group includes:



Analisi e Monitoraggio del Rischio Ambientale (AMRA)
(coordinator)
Italy



**Helmholtz-Zentrum Potsdam
Deutsches Geoforschungszentrum (GFZ)**
Germany



Bureau de Recherches Géologiques et Minières (BRGM)
France



Deutsches Komitee für Katastrophenvorsorge e.V. (DKKV)
Germany



Eidgenössische Technische Hochschule Zürich (ETHZ)
Switzerland



University of Huddersfield (HUD)
United Kingdom



Københavns Universitet (UCPH)
Denmark

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Get involved

Are you interested in getting involved? Do you want to join us for a workshop, a stakeholder meeting or be part of the network?

Send an email to: info@dkkv.org

Imprint:

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Enhancing Synergies for Disaster Prevention in the European Union: the ESPRESSO Project

www.espressoproject.eu



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ESPRESSO aims to contribute to a new strategic vision to approach natural risk reduction and climate change adaptation, thereby opening new frontiers for research and policy making.

To achieve this goal, the project's structure is built upon the central role of three main challenges to be addressed in order to propose ways to mitigate differences, to identify gaps, and to overcome the boundaries among three main challenges:

- To propose ways to create more coherent national and European approaches to Disaster Risk Reduction, Climate Change Adaptation and resilience strengthening;
- To enhance risk management capabilities by bridging the gap between science and legal/policy issues at local and national levels in six European countries;
- To address the issue of efficient management of trans-boundary crises.

The main final products of ESPRESSO will be a set of guidelines on risk management capability and a Vision Paper on future research strategies in order to better define the research priorities following the Sendai Framework for Disaster Risk Reduction 2015-2030.

Approach

Besides the project management and coordination, ESPRESSO is divided into five main Workpackages (WPs):

WP1 - Stakeholder engagement and analysis

To understand stakeholders' needs, perspectives, opinions, and expectations concerning the three key challenges of the project, stakeholder engagement and interactions are an integral part of ESPRESSO. Key stakeholders (such as the European Commission services dealing with prevention, risks and disasters, key actors implementing disaster risk reduction measures related to natural hazards, researchers working on EC funded projects on similar topics, legislators and National Platforms for DRR) will therefore be systematically identified and thereafter be part of all WPs through the Stakeholder Forum (SF). The SF consists of a group of target stakeholders who will provide input and guidance and will be divided into three Think Tanks (TT) aimed at addressing the three challenges. ESPRESSO will collect, harmonise and synthesise the results of the stakeholder engagement process (meetings, interviews, questionnaire surveys, etc.) in order to provide useful input towards potential solutions for the three ESPRESSO challenges.

WP2 - Synthesis of existing legal, policy and science knowledge base

A wealth of knowledge in disaster risk management already exists, including scientific resources, data, operational knowledge from local, national and regional disaster risk management (DRM) interventions, as well as developments in technology and innovation. ESPRESSO will synthesise the existing knowledge based on legal, policy and science approaches to disaster risk management in order to identify the hallmarks of good practices and innovation. The results will be published in comprehensive reports that address national (Italy, Germany, France, Switzerland, UK and Denmark) and transboundary levels, the EU, as well as the global level to promote a contribution of disaster risk management to sustainable and inclusive growth within the context of the Sendai Framework for Disaster Risk Reduction 2015-2030.

WP3 - Development of hazard-specific scenarios for RMS

In ESPRESSO, scenario planning will form the basic method for stakeholder interaction and knowledge elicitation with the main purpose of stress-testing the established Disaster Risk Reduction procedures that depend on formal policies, subjective judgement and experience. This Risk Management Simulator (RMS) tool engages different stakeholders in a realistic, collective and interactive "role-playing game". Stakeholders therefore interact in a simulated future, where the occurrence of a significant natural disaster challenges the undertaken mitigation and prevention actions, and calls upon decision makers to suitably manage the resulting emergency. WP3 will develop reference emergency management scenarios related to the considered hazards and their implication on the three ESPRESSO challenges. Therefore, scenario planning will be used as a major tool to understand stakeholders' available knowledge and preferences in a topic-specific, but flexible manner.

WP4 - Evaluation of proposed strategies

Based on the collection, formalisation and analysis of the feedback from stakeholders and from the results of synthesizing the existing legal, policy and science knowledge base, ESPRESSO will use an "Action Database" (ADB) that collects the data from other WPs in a systematic manner to identify

1. operational solutions for overcoming the three challenges of ESPRESSO,
2. future research activities for the topics not mature enough to be proposed as solutions and
3. ways to mainstream and integrate these actions into laws, regulations and decision making processes.

This tool will provide the opportunity to formalise knowledge generated in other WPs and to store, categorise and analyse the content in a way that allows for a qualitative and quantitative evaluation of proposed strategies to overcome the three challenges of ESPRESSO.

WP5 - Dissemination and guidelines

Through WP5, ESPRESSO will work out a new scientific and policy vision for the mitigation of natural risks and the strengthening of resilience in the future, also based on the proposal of an innovative research strategy. This will be the content of the Guidelines on risk management capability and the Vision Paper on future research strategies as the main final outcomes of ESPRESSO. The preparation of these products will be a synthesis of all the activities developed in the other WPs. The guidelines will seek to solve the conflicts inherent within the three challenges and propose a future strategy for a more effective, coordinated impact of the research and governance to decrease the effect of natural hazards at a trans-European level that will be summarized in the Vision Paper.

The dissemination strategy of ESPRESSO will ensure that stakeholders' interests are taken into account and results will be extensively disseminated, promoted and well understood within the CCA and DRR communities. The ultimate intent here is to create an impact that will last beyond the end of the project by making the results of the project known to and applicable for those who could benefit from the Guidelines and the Vision Paper on future strategies of research following the Sendai Framework (i.e. National Platforms and their members, civil protection authorities, research institutions, EU and UN organisations, other networks and projects).

