




ROADMAP

Project Details | Start date: **1st January 2021** | End date: **30th June 2022** | Duration: **18 Months** | Reference: **101017776 - ROADMAP - UCPM-2020-KN-AG**

First periodical bulletin

The “euROpean observAtory on Disaster risk and crisis MAnagement best Practices” (ROADMAP) Project will aim at vitalizing a community of stakeholders within a European observatory on disaster risk and crisis management good practices.

The latter community will be organized starting from the synergic interaction of the Consortium Partners with the project Advisory Group, but it is thought to be open and expandable, favouring the networking with other already operating communities, such as Community of European Research and Innovation for Security (CERIS) within European Commission Disaster Risk Management Knowledge Centre (DRMKC), the Risk-Kan within the Integrated Research on Disaster Risk (IRDR), the Crisis Management Innovation Network Europe (CMINE) and the Disaster Loss and Damage Working Group, effectively contributing to an operational Community of Practice within the forthcoming Union Civil Protection Knowledge Network.

All the ROADMAP bulletins are freely downloadable from <https://roadmap.ci3r.it/publications/>
Visit our website <https://roadmap.ci3r.it/>



Introduction

Historically, dealing with disasters focused mainly on emergency response, but towards the end of the 20th century it was increasingly recognised that disasters are not natural (even if the associated hazard is) and that it is only by reducing and managing conditions of hazard, when possible, exposure and vulnerability that we can prevent losses and mitigate the impacts of disasters. Since we can only partly reduce the severity of natural hazards, the main opportunity for reducing risk lies in reducing vulnerability and exposure. Dealing with vulnerability and exposure management and reduction entails several interconnected activities in various and often disparate sectors. However, to enhance resilience it is essential that communities, operational agencies and governments have access to information about disaster risk management (DRM) that is understandable and actionable. In this light ROADMAP will contribute to increase access to information on DRM and disaster risk reduction (DRR) by systematically collecting, reviewing and analysing past and ongoing experiences to identify information on good practices, successful stories and lessons learned and make them readily available and usable to the communities and practitioners interested and active in DRM and DRR fields to further increase the understanding of DRM solutions.

In this perspective, the main objective of ROADMAP is to establish a European “Doctrine on disaster risk and crisis management”, funded on the mutual cooperation between scientific communities and DRM authorities. This doctrine is intended as a shared understanding of disaster management between decision-makers and scientific actors. To this aim ROADMAP follows a bottom-up approach based on the collection of selected experiences, good practices and solutions already implemented in the EU Member and Participant States, which will be integrated in periodical bulletins issued on bi-monthly basis mainly targeting decision makers and practitioners. These bulletins are also useful for scientists to strengthen the usefulness of applied research.

This is the first bulletin issued by ROADMAP and is mainly focused on the description of the project structure, objectives and expected results. The next bulletins will target specific risks, in a multi-hazard risk effort, to provide the latest news and good practices derived from the analysis of recent projects, activities, and worldwide initiatives in the DRM/DRR field.

The Project

ROADMAP is a 18 months project funded by DG-ECHO under the call UCPM-2020-KN-AG. The project started on the 1st of January 2021 and includes four beneficiaries:

- **CI3R - Italian Center for Research on Risk Reduction (Coordinator) - Italy;**
- **ICPD - Italian Civil Protection Department - Italy;**
- **UiS - University of Stavanger - Norway;**
- **ADAI - Association for the Development of Industrial Aerodynamics - Portugal.**

The project is articulated in three technical Work-packages respectively dealing with the establishment of the ROADMAP Network (WP2), the project planning and activities (WP3), and the communication and visibility (WP4), besides one additional WP dealing with the project management (WP1).

The project activities were designed with the aim of providing sustainability to the project results so that they can be easily linked to well-established European (e.g. the Disaster Risk Management Knowledge Centre - DRMKC) and national (e.g. national Civil Protection authorities) initiatives and institutions.

Project Objectives

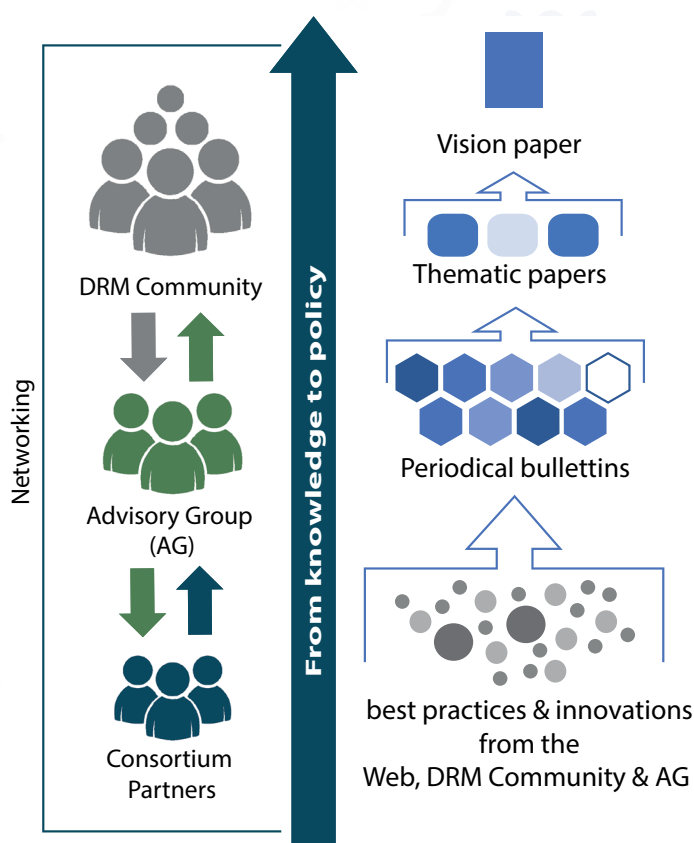
The main objectives of ROADMAP are:

- **To establish a shared European Doctrine on disaster risk and crisis management funded on the mutual cooperation of scientific communities and disaster risk management authorities to support the development, dissemination and exchange of knowledge, good practices and expertise.**
- **To establish and consolidate the networking activities of a community of stakeholders formed by experts both on science and decision making in DRM, to promote and support new and consolidate existing partnerships in civil protection and disaster risk management enhancing cooperation and synergies in prevention, preparedness and response.**

ROADMAP follows a bottomup approach towards these objectives. The first step is the collection of best practices and lessons learned through a systematic review of past and ongoing National/ International projects and initiatives dealing with DRM. These will be collated in the form of **bi-monthly bulletins** targeting decision makers, including policy makers and civil protection practitioners, to provide them with a fresh update on relevant news and applications worldwide in DRM field.

The second step consists of three **thematic papers** which address key topics in the DRM field. The selection of topics for the thematic papers will be achieved through synergic interaction with the project's Advisory Group.

As a third step, expertise in civil protection and disaster risk management will be further developed and shared through the preparation of a **vision paper** for DG ECHO based on the key findings from the three thematic papers. Finally, a suitable web-based Solutions Explorer will be provided for useful consultation of existing good practices, organized by themes, type of users and relevant DRM phases; this tool will also be made available to the DRMKC website.



Dissemination of Project Outcomes

The analysis and comparison of existing good practices in prevention, preparedness and response and their systematization and sharing through thematic papers on relevant selected themes will support the dissemination of knowledge to decision makers and scientists operating in the DRM field. To this end, *ad-hoc* webinars will be organized on the basis of the thematic papers. A final workshop targeting representatives from national Civil Protections of EU Member States and Associate Countries as well as components of the Advisory Group will be organized with the scope to present the “Doctrine on disaster risk and crisis management” elaborated in the vision paper.

The ensemble of results, in terms of publications (bulletins, thematic papers and vision paper), the activation and vitalization of community of stakeholders, the webinars and workshops as well as the Solutions Explorer, all of them will contribute to the formation of a European observatory on disaster risk and crisis management good practices, that will be visible and available through the ROADMAP website.

Expected Impacts

The ROADMAP project is focused on linking national and EU level initiatives in DRM in order to help in defining common policies that can be applied at national level. At the same time, it will propose to the EU level good practices developed by the different Member States and Associate Countries that can represent a standard reference for future European initiatives in DRM.

Through the project activities as well as a targeted dissemination strategy, ROADMAP will ensure high impact of the project outcomes and will enhance the cross-fertilization between different communities of practice and between different stakeholders involved in DRM including political decision makers, technical decision makers and scientists. Long-term sustainability as well as replicability and scalability of project results will be also guaranteed by the process structure, designed to involve, discuss and share information between different actors in the DRM process.

From the Advisory Group

The Advisory Group is formed by selected experts on both science and decision-making in DRM from different Countries, covering different risks and phases of DRM cycle. The networking activities between the Project Consortium and the Advisory Group will result in the establishment of a European think tank/observatory on disaster risk and crisis management good practices that could represent a first step towards a Community of Practice to operate within the Union Civil Protection Mechanism, in collaboration with the DRMKC.

ROLE OF THE ADVISORY GROUP

- To advise the Project Consortium in its activities of good practice collection and systematization, providing expert opinions and hints on relevant good practices, solutions or background available information.
- To give support for the critical review of the good practices and solutions already existing in the EU countries (Collected in the periodical bulletins by the ROADMAP project partners).
- To give support for the selection of topics and preparation of (three) thematic papers to be produced by selected experts during the project.
- To give advice for the structuring and contents of the thematic and vision papers.
- To facilitate networking activities with the broader community of experts and practitioners for DRM.



ACTIVITY OF THE ADVISORY GROUP

The activity of Advisory Group members will be mainly performed during Advisory Group meetings, where expert opinions and advices will be gathered, and other forms of communication and participation (e.g., structured interviews, questionnaires sent out via e-mail, wiki tools etc.). According to the project plan, at least four Advisory Group meetings will be held, in April, August, November 2021 and January 2022. The Advisory Group is also expected to participate in the Final Workshop, in June 2022. Due to the Covid-19 situation, meetings are currently scheduled as video conferences, but we hope that face to face meeting will be soon resumed.

DRM Initiatives & News

ROADMAP has an intrinsic networking nature, since it aims to establish a European observatory on disaster risk and crisis management good practices. This represents a first step towards a Community of Practice in the forthcoming Union Civil Protection Knowledge Network.

As such, monitoring recent initiatives at European level is part of ROADMAP network building. This section offers a selection of recent initiatives at European, National and local level hereafter briefly summarized.

DRIVER+ project

Success stories from the DRIVER+ project¹ coordinated by Atos SE (Spain) have been analysed to explore potential synergies and connections with ROADMAP. DRIVER+ developed tools and the methods that can be used by practitioner organisations themselves for their capability development and innovation management in Crisis Management. DRIVER+ developed a common methodology, leading to recommendations and follow-up research questions in a very systematic way. These, in turn, led to recommendations supporting the implementation of new solutions. This all facilitates experience sharing, so that any Crisis Management actor in Europe can easily share lessons learned with other organisations and ensure that trial results are valid.



Atlas of the Human Planet 2020 – Open Geoinformation for Research, Policy and Action

The “Atlas of the Human Planet 2020 – Open Geoinformation for Research, Policy and Action” has been launched on 21st January 2021 by the European Commission - DG JRC². Thirty-four showcases covering the domains of disaster risk reduction and crisis management, environment, urbanisation, and sustainable development have been addressed towards action oriented, transformative and scalable solutions to make progress in the DRM policy frameworks.

Report on Public Finances in Economic and Monetary Union 2020

The Report on Public Finances in Economic and Monetary Union 2020, with a section on integrating DRM in national fiscal frameworks, has been released in February 2021 by the DRMKC³. The report provides an assessment of climate change-related risk management and presents a review of the building blocks of disaster risk financing.

Webinars on domestic emergency management models

Building upon the International Crisis and Emergency Management Series from 2020, Capacity Building International (CBI) has partnered with the International Emergency Management Society (TIEMS) to launch a webinar series in 2021⁴. Throughout this year, there will be a recurring monthly series of webinars that will highlight, compare, and contrast various European/International/National domestic emergency management models. The webinar held in February 2021 focussed on the disaster management architecture, the multi hazard preparedness system in India and provided some examples of ongoing activities. The webinar organized in March 2021 focussed on the international models in emergency management in Czech Republic. The legal framework, the Integrated Rescue System structure, the Crisis Management Bodies and the crisis response measures were presented.

¹ <https://ec.europa.eu/research-and-innovation/en/projects/success-stories/all/new-set-tools-helps-crisis-management-actors-step-their-game>

² https://ec.europa.eu/newsroom/jrc_drm/item-detail.cfm?item_id=705566&newsletter_id=2161&utm_source=jrc_drm_newsletter&utm_medium=email&utm_campaign=NFC-DRMKC&utm_content=Launch%20of%20the%20Atlas%20of%20the%20Human%20Planet%20&lang=en

³ https://ec.europa.eu/newsroom/jrc_drm/item-detail.cfm?item_id=705608&newsletter_id=2161&utm_source=jrc_drm_newsletter&utm_medium=email&utm_campaign=NFC-DRMKC&utm_content=Report%20on%20Public%20Finances%20in%20Economic%20and%20Monetary%20Union%20%20with%20a%20secti&lang=en

⁴ <https://www.tiems.info/index.php/tiems-cbi-webinars-2021>

Science for disaster risk management 2020: acting today, protecting tomorrow

The Disaster Risk Management Knowledge Centre (DRMKC) has released in March 2021 the report “Science for disaster risk management 2020: acting today, protecting tomorrow”⁵. Tackling the impacts on assets at risk, the report deals with hazards of different natures, highlighting the many links existing between hazards and vulnerabilities to support robust and effective action. The report provides specific recommendations for the target audience, four groups of stakeholders that can actively contribute to reducing disaster risk: policymakers, practitioners, scientists and citizens. The report describes several examples and cases, showing what the DRM community has learned from disastrous events while pointing out where the gaps in our knowledge are to move from identifying problems to the presentation of solutions and approaches. Some of the members of the ROADMAP consortium contributed to the report.

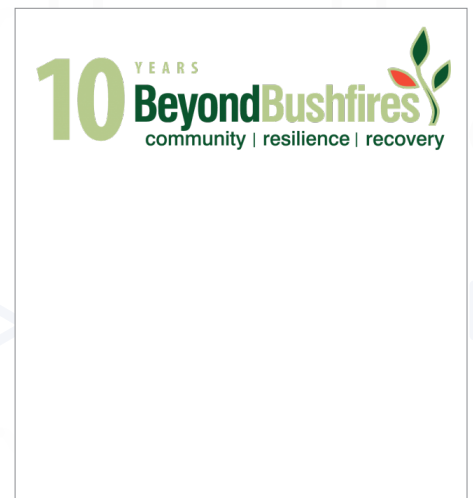


Lombardy dams emergency plan (Italy)

On the 22nd of March 2021, the Lombardy Region organized a publicly-open scientific seminar on the “Lombardy dams emergency plan”⁶. The seminar reported the main results of the research conducted as part of an institutional collaboration between Lombardy Region - DG Territory and Civil Protection and the Polytechnic of Milan-Department of Architecture and Urban Studies for the definition of risk scenarios of the Emergency Plans of some dams in Lombardy.

10 Years Beyond Bushfires

The Australian Institute for Disaster Resilience (AIDR) in collaboration with the Australian Red Cross and University of Melbourne launched the Beyond Bushfires: Community, Resilience, and Recovery study Launch of the 10 Years Beyond Bushfires Report⁷. The report has been launched as part of the AIDR Recovery Matters Webinar Series on Tuesday 30th of March 2021. The study was conducted to examine the impacts of the 2009 Victorian bushfires on the mental health and wellbeing of community members, with a focus on how individual outcomes were influenced by social connections and community-level recovery. The research was extended into the 10 years Beyond Bushfires study and a range of related disaster research studies. The report includes recommendations applicable to recovery planning for more recent and future disaster events. Key learnings of the study and recommendations for communities, schools, government, and service providers have been discussed.



⁵ <https://drmkc.jrc.ec.europa.eu/Knowledge/Science-for-DRM/Science-for-Disaster-Risk-Management-2020>

⁶ <https://www.polis.lombardia.it/wps/portal/site/polis/pubblicazioni/polo-documentale-giunta/Piano-delle-Ricerche-2019-2021---Altri-enti-attuatori>

⁷ <https://mbspgh.unimelb.edu.au/centres-institutes/centre-for-health-equity/research-group/beyond-bushfires>