

Union Civil Protection Knowledge Network

DRM Science and Planning
working group meeting

18/09/2024

DG ECHO.B3 Prevention and Preparedness Capacity Building



Agenda



- 15.00 Welcome and introduction to the work plan
- 15.10 Comments or additions to the work plan by MS/PS
- 15.40 AOB (any other business) and next steps

REMINDER: *Please contact us later if need for changes in the list of current appointed contact points to the working group (@ ECHO-CP-KNOWLEDGE-NETWORK@ec.europa.eu)*

2. Introduction to the work plan

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Background

To summarise

- [3 June 2024](#): First in-person meeting of the UCPKN DRM Science and Planning working group; presentation to MS/PS of the draft scoping paper
- Two topics identified as the priority thematic focus of the working group and DG ECHO (2024–2025):
 - Topic 1: Multi-risk and cascading issues of disasters
 - Topic 2: Insights from behavioural sciences for DRR
- Three topics identified as cross-cutting themes:
 - Open Science and Open Data for DRM
 - AI to predict, prevent and respond to disasters
 - + Climate Resilience
- New Commission priorities incoming

> Draft scoping paper amended into a work plan



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Union
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DRM Science and Planning working group meeting
08/06/2024

DRM Science and Planning Working Group - Summer 2024

by Knowledge Network - Staff member

First in person meeting of the new working group

(Behavioural) (Multi-hazard) (Meeting)



EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR CIVIL PROTECTION
Directorate-General for Civil Protection
European Commission

WORK PLAN

Subject: The way forward: List of topics and deliverables in areas of work (2024-2025) for the UCPKN DRM Science and Planning working group

DRAFT FOR CONSULTATION

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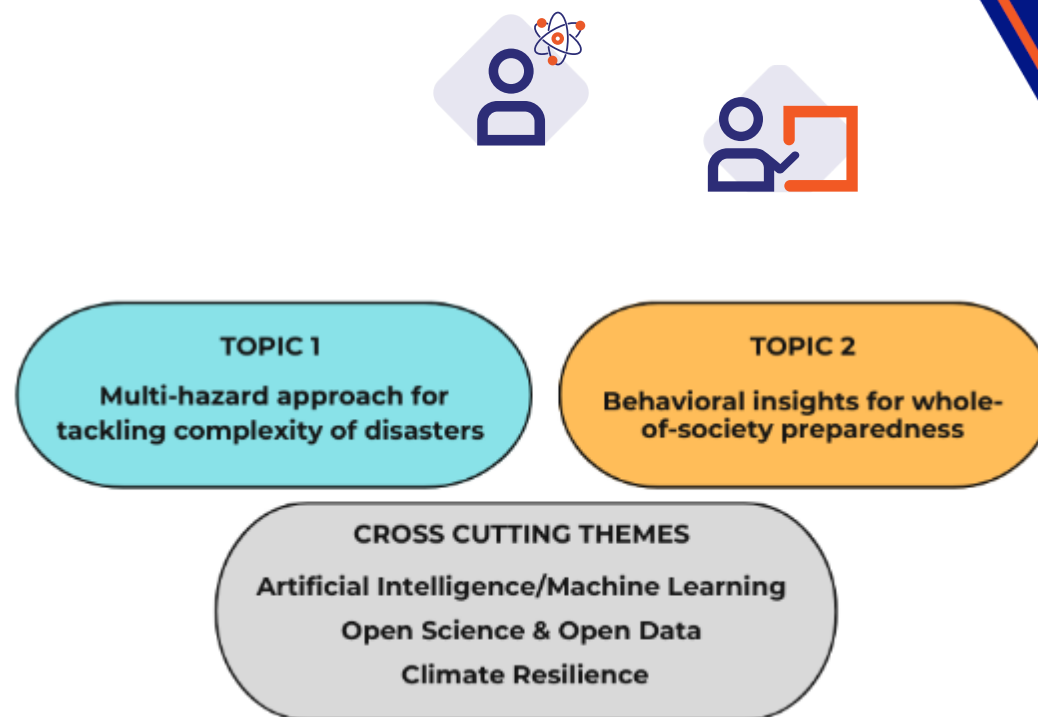
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Objective and structure of the Work Plan

Topics and deliverables as areas of work on research & innovation during 2024–2025

- DG ECHO, with the support of the [DRMKC](#), relevant EU services and the expertise of the DRM Science and Planning working group
- ... intends to focus on areas of work on research & innovation during 2024–2025 to help the UCPM achieve its policy objectives, the [Union Disaster Resilience Goals](#) (DRGs), and drive innovation within the UCPM.
 - The work plan proposes concrete deliverables and their timelines
 - Topics are not limited to a single hazard or domain; they will consider climate change
 - The work plan is divided into the two priority thematic topics of interest and indicative EU deliverables
- The plan is a living document which will incorporate the priorities of the new Commission and will adapt to the evolving needs



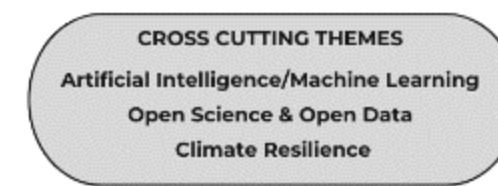
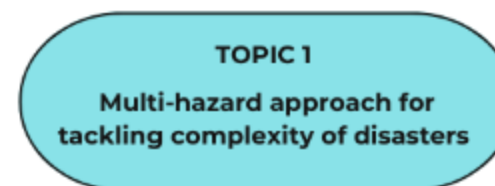
*Annex A: a mapping of relevant EU initiatives
Annex B: list of open data repositories*

Introduction to topic 1

Multi-hazard approach for tackling complexity of disasters



- The complexity of disasters is characterised by an intricate interplay of various impacts; understanding key components of compound disasters requires moving from single hazard to multi-hazard approaches.
 - Additionally, need to look at the interactions between hazards of different nature
 - Influence of the changing climate and societal hazards as a part of the analysis
- The research undertaken should help to improve the approach and tools used for forecasting and early warning, in particular for landslide, earthquake, heatwaves, and Europe-level meteorological analyses.
- Both artificial intelligence (AI) and machine learning (ML) as force multiplier for the UCPM and DRM in the future when fully realised
- Likewise, open science and open data can boost multi-hazard resilient decision-making



Introduction to topic 2

Behavioral insights for whole-of-society preparedness



Prepare

- Inputting research on societal resilience beneficial to preparEU, one of flagship initiatives of the DRGs.
- A whole-of-society approach entails integrating DRM knowledge into education, developing community campaigns for awareness raising, and including all public and private institutions to collaborate in behavioural change.
- The intersection of open science and open data can be a powerful tool as it can ensure exchange of information to and from the population (e.g., crowdsourcing and other bottom-up approaches) and build trust
- AI and ML, such as sentiment analysis on social media for effective risk communications purposes, can support in finding the optimal communication strategies for better preparedness and adaptation.

TOPIC 2

Behavioral insights for whole-of-society preparedness

CROSS CUTTING THEMES

**Artificial Intelligence/Machine Learning
Open Science & Open Data
Climate Resilience**

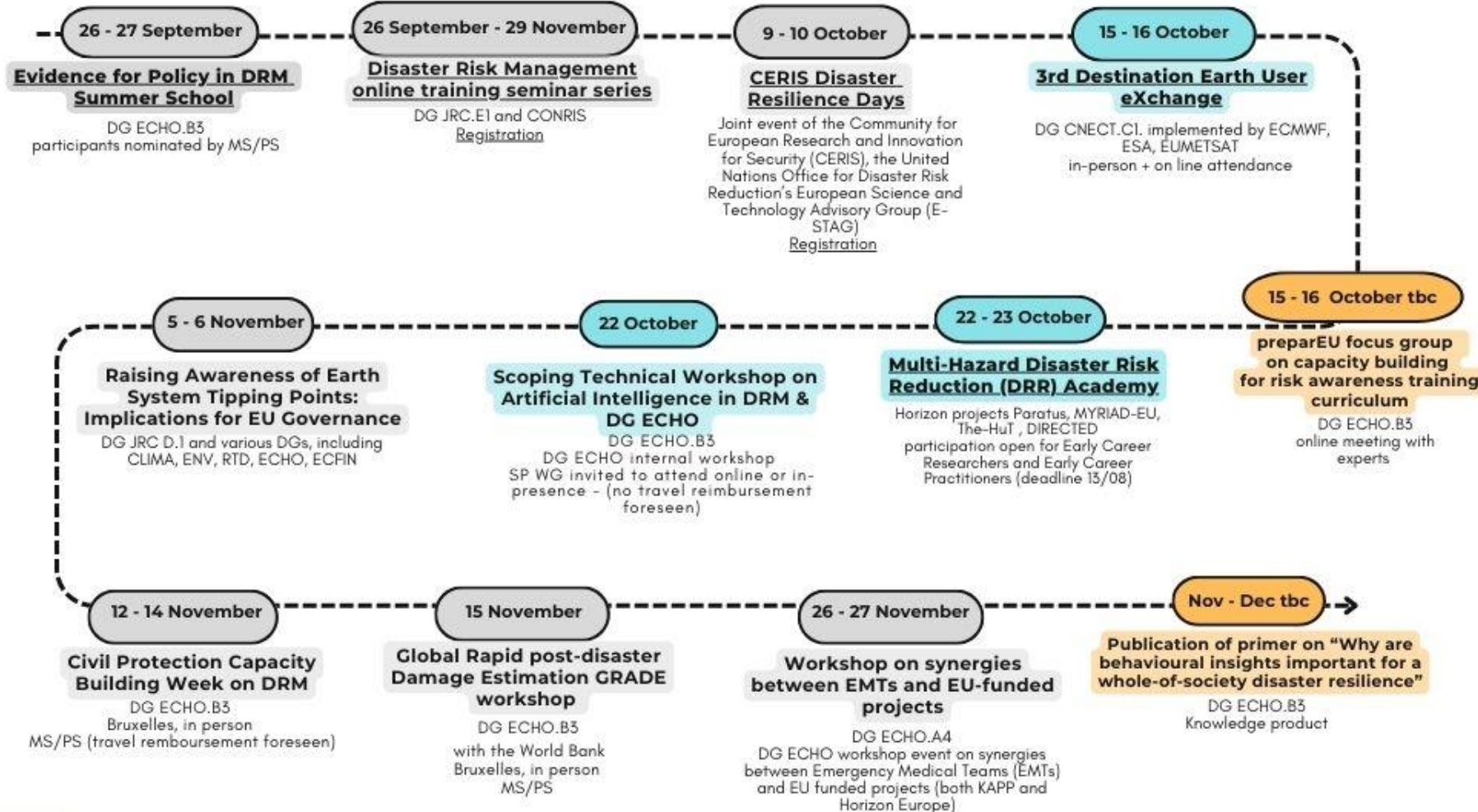
Indicative deliverables in 2024



cross-cutting themes

behavioural insights

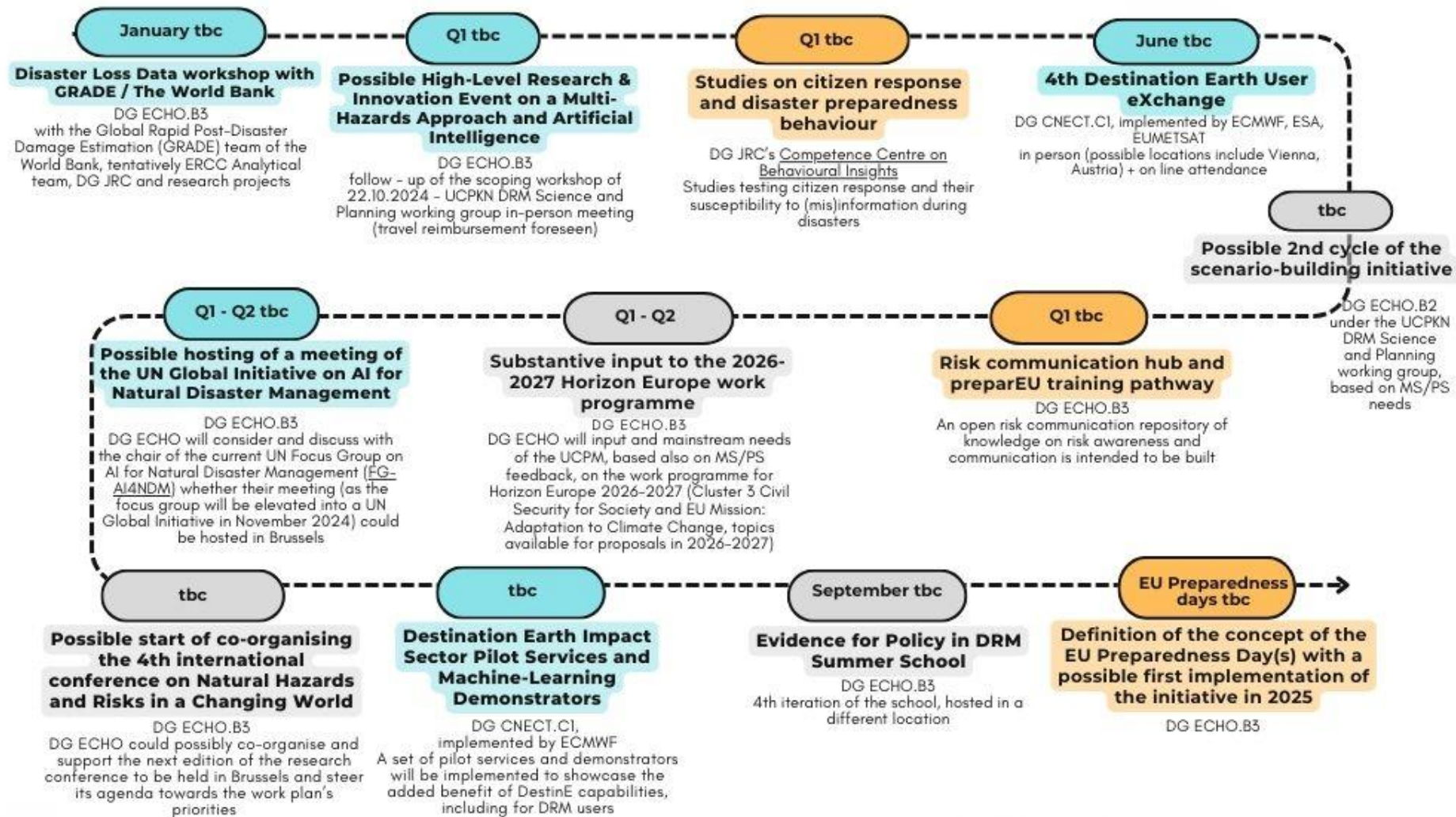
multi-hazard approach

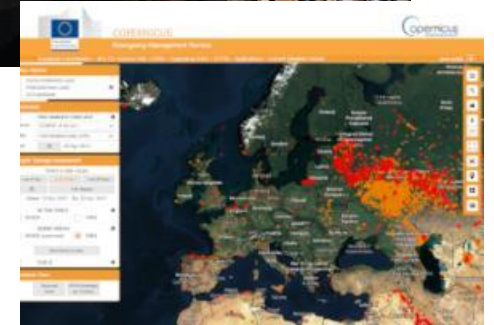


Tentative deliverables in 2025



cross - cutting themes behavioural insights multi-hazard approach





Theory of Change:

science and research enhance resilience & preparedness

↑↓

policy and operational needs inform science and research

ACTIVITY	OUTPUT	OUTCOME	IMPACT
NBS for Europe seminar	Knowledge Page	Better knowledge of NBS capabilities	Resilience & Preparedness of MS/PS & COM against disasters is enhanced
AI in DRM workshop	State-of-the-Art + recommendations	AI supports DRM work successfully	
3 rd Destination Earth User eXchange	Training for MS/PS to use DestinE	DestinE is integrated into MS/PS systems	
Input to Horizon Europe programme	Topics adhering to disaster resilience needs	Innovation to create leaps of effectiveness	



3. Comments or
additions to the
work plan by MS/PS

Comments?

Some guiding questions



1. Are there any new initiatives or projects that you believe should be included or considered as potential additional deliverables?
2. Do you intend to integrate any of the activities that have been proposed to your organization's daily calendar?
3. Additionally, do you have any plans to share information about these activities?
4. To enhance knowledge sharing, how would you prefer events and projects findings results to be communicated and disseminated? PDF or web reports, webinar recording (when possible), infographics, short videos ...?