

DESTINE SUPPORTING EUROPEAN CLIMATE RISK ASSESSMENTS:

Workshop agenda

Final version, 05/09/2025

Workshop Date: 08-09 September, 2025

The aim of this workshop

This workshop aims to define pathways and specific products of DestinE to input to EUCRA-2. A key outcome of the workshop will be a shared understanding on the data, tools, and services that could be provided by DestinE to underpin the next European Climate Risk Assessment (EUCRA-2). The discussion will be based on the **reflection paper** for EUCRA-2¹ that considers the expectation of the European Commission (DG CLIMA) and the European Environment Agency (EEA) for EUCRA-2.

Concretely, the workshop aims to establish answers to the following questions:

- 1) How can DestinE, notably the capabilities in the Climate DT, contribute to a more quantitative risk assessment in EUCRA-2?
 - In which sectors could DestinE impact-sector simulations contribute to quantifying hazard estimates?
 - Which models and approaches are available and sufficiently mature to contribute to quantifying risk estimates (eg probabilistic and stochastic outputs), including for compound risks?
 - Which approaches could support the treatment of tail risks with DestinE Climate DT?
 - Which indicators or datasets from – or using – DestinE Climate DT could support a probabilistic risk assessment in EUCRA-2.
 - What tools and services would be needed?
 - What additional datasets (in addition to Climate DT) would be of interest
- 2) How can DestinE, notably the capabilities in the Climate DT, support EUCRA-2 in investigating the “solution space” (i.e., adaptation options)?
 - Which adaptation pathways could be used as a basis for this investigation? Which sectors should we focus on?
 - What indicators can be provided to quantify the efficiency of selected measures (cost of action vs. cost of inaction)?
 - What tools, services, and other data would be needed?

¹ <https://events.ecmwf.int/event/490/attachments/3065/5209/go>



For more information please consult the workshop concept note.

Timing, logistics, organization

The workshop will be a 1.5 day event (from mid-day on day 1 to afternoon on day 2) on September 8-9, 2025. It will be hosted using facilities of the Federal Ministry of Transport, next door to the ECMWF premises in Bonn:

Robert-Schuman-Platz 1,
53175 Bonn, Germany

Agenda

Time	What/who	Notes
Monday, Sept. 8 12:30-13:00	Welcome coffee	
13:00-13:30	Session 1 (plenary): Why we are here Moderator: Jörn Hoffmann (ECMWF) <ul style="list-style-type: none"> ▪ Welcome (Jörn Hoffmann, ECMWF; Blaz Kurnik, EEA) ▪ Digital Europe at the service of EU policies (Charalampos Tsitlakidis, DG CNECT) ▪ The policy landscape of climate risk in Europe (Anna Dimitrijevic, DG CLIMA) 	
13:30-14:30	Session 2 (plenary): How far are we Moderator: Eva Ivits (EEA) <ul style="list-style-type: none"> ▪ European Climate Risk Assessment 2024 and 2028 (Hans-Martin Füßel, EEA) ▪ The Copernicus contribution to EUCRA (Carlo Buontempo, ECMWF, ▪ The JRC data contribution to EUCRA (Frank Dentener and Andrea Toreti, JRC) ▪ Destination Earth capabilities and resources: status and plans (Irina Sandu, ECMWF; Franka Kunz, ESA; Danaele Puechmille, EUMETSAT) ▪ The Climate DT capabilities (Francisco Doblas-Reyes, BSC) 	<p>The presentation will introduce EUCRA 2024 and will outline the main EUCRA2 objectives.</p> <p>The presentation will introduce the various hazard data including projections that can support EUCRA2 objectives.</p> <p>The presentation will introduce those DestinE products that could support EUCRA2 in quantitate risk assessments and in quantifying the efficiency of selected measures</p>
15'	Break	



<p>Monday, Sept. 8</p> <p>14:45-15:45</p>	<p>Session 3 (plenary): Opportunities – Introduction</p> <p>Moderator: Eva Ivits (EEA)</p> <ul style="list-style-type: none"> ▪ Water resources (Aparna Chandrasekar, UFZ) ▪ Flood risk (Sanne Muis, Deltares) ▪ Energy sector (Bruno Schyska, DLR; and Ira Shefer, RGI) ▪ Food production and food security (Andrea Toreti, JRC) ▪ Human health (Niels Souverijns, Vito) ▪ Risk in the financial sector (Chiara Cagnazzo, ECMWF) 	<p>Plenary session with 10 minutes presentations per sectors. Participants will gain an idea of concrete examples for DestinE contributions to EUCRA2. The listed examples will set the scene for the world café starting after this session. The presentations will:</p> <ul style="list-style-type: none"> -introduce (examples of) climate risk in different sectors, -present (simplified?) impact chains, models used, -talk about tail risks and their importance, -bring up possible indicators, risk scenarios and adaptation options (“solution space”).
<p>15:45-17:15</p>	<p>World Café:</p> <p>Moderator: Jörn Hoffmann (ECMWF)</p> <p>One table per section:</p> <ol style="list-style-type: none"> 1. Water resources (host: Jaroslav Mysiak, CMCC; <i>with</i> Kun Yan, Deltares) 2. Energy sector (host: Hans-Martin Füßel, EEA; <i>with</i> Bruno Schyska, DLR) 3. Food production and food security (host: Eva Ivits, EEA; <i>with</i> Delphine Deryng, ECMWF) 4. Human health (host: Julie Berckmans, EEA; <i>with</i> Niels Souverijns, Vito) 5. Risk in the financial sector (host: Chiara Cagnazzo, ECMWF) 6. Any other domains/ideas (<i>not moderated</i>) 	<p>Participants work together and develop concrete suggestions of where and how DestinE activities could/should support climate risk assessments in the various sectors presented before.</p> <p>Discussions will be highly interactive and guided by a set of questions (see slides for the introduction to the session)</p>
<p>17:15-17:30</p>	<p>Summary of day 1 (ECMWF, EEA)</p>	<p>... and outlook for day2</p>

A joint dinner will be organized for the evening (no host). Details will be communicated to participants during the event.



Tuesday, Sept. 9	Day 2	
9:00-9:30	Arrival and coffee	
9:30-11:00	Session 4 (plenary): Making it concrete Moderator: Jörn Hoffmann (ECMWF) <ul style="list-style-type: none"> ▪ Water resources ▪ Energy sector ▪ Food production and food security ▪ Human health 	Table Hosts of the World Café report back to Plenary of what came out of the discussion. These results are challenged, refined and complemented in Plenary.
15'	Break	
11:15-12:00	Session 4 (plenary, continued): Making it concrete Moderator: Jörn Hoffmann (ECMWF) <ul style="list-style-type: none"> ▪ Risk in the financial sector ▪ Other sectors 	
90'	Lunch	
13:30-15:00	Session 5 (plenary): Priority Actions -Making it happen Moderator: Eva Ivits (EEA) <ul style="list-style-type: none"> ▪ Introduction to the session (Hans Martin Füssel, EEA) ▪ Priority actions and work required (table hosts presenting) <ul style="list-style-type: none"> – Water resources – Energy – Food – Health – Financial systems 	<p>Table hosts present a draft consolidated proposal to be discussed and challenged in Plenary. 20' each?</p> <p>This session should sort the opportunities into broad categories of priority (e.g., should do / may do / study further / shelve).</p>
15:00-15:30	Summary and closure (plenary) <ul style="list-style-type: none"> ▪ Elena Saggioro, DG CLIMA ▪ Charalampos Tsitlakidis, DG CNECT ▪ Blaz Kurnik, EEA ▪ Irina Sandu, ECMWF 	Reinforce the messages and commitments.
15:30	End of workshop	