



Sixth European Workshop on Risk Perception,
Behaviour, Management and Response (ECRP26)

08-10
JUNE

AULA PARTESOTTI

San Giobbe
Economics Campus

Venice Ca' Foscari University



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Workshop description

The EU vision of a disaster and climate-resilient society cannot be achieved by relying on “behaviour-blind” assessments, modelling, and policy frameworks. Evidence increasingly shows that behaviour shapes risk outcomes in ways that hazards alone cannot explain. However, current risk assessments, models, and simulations often fail to account for how the actions of individuals, businesses, and public services before, during, and after a crisis influence damage levels, recovery processes, and overall resilience. Subsequently, they remain poorly understood and difficult to formalise. Moreover, behavioural dynamics can act as potential risk amplifiers or wildcards, triggering cascading effects and potentially leading to systemic failures and risk propagation across systems and sectors.

While the importance of a systemic approach to risk and resilience is widely acknowledged (IPCC, 2022; UNDRR, 2015), research still remains fragmented. Many studies operate in disciplinary silos: some focus on biophysical or environmental processes, while others examine social or behavioural dimensions. As a result, insights often evolve in parallel, without a coherent framework to integrate societal behaviour and decision-making with biophysical dynamics. In addition, most risk assessments still rely on conventional frameworks based on hazard, exposure, and vulnerability, while overlooking the crucial role of societal “response” - the capacity of individuals, communities, and institutions to anticipate, adapt, and react to risk - (IPCC, 2021). Explicitly incorporating response as a fourth driver of risk can strengthen the social construction of risk perspective and help bridge the gap between risk science and practical resilience planning. At the same time, many modelling approaches remain disconnected from empirical data, limiting their applicability in real-world contexts and constraining the comparability and generalisability of findings across scales and settings.

Despite growing recognition of these challenges, the integration of behavioural dynamics into policies, risk management practices, and modelling frameworks - and their transferability across contexts - is still not satisfactory. Addressing this gap requires a broader and more diverse theoretical foundation to improve model integration, deepen understanding of risk and adaptation processes, and enable cross-validation of case studies. Addressing these challenges requires new thinking across disciplines.

This workshop sets out to bridge that gap and explore how behavioural dynamics, risk perception, and societal response can be integrated into systemic risk and resilience modelling. During the event, we will highlight recent advances in Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA) research, covering integrated modelling approaches and case studies that address real-world challenges.

The workshop will explore both qualitative and quantitative approaches for incorporating behavioural factors into risk assessments, including risk storylines, survey-based studies, AI-enabled risk applications, Agent-Based Modelling, and empirical validation techniques. The workshop emphasises co-development of solutions by engaging relevant stakeholders and risk owners from the design stage, ensuring models reflect actual decision-making challenges.

By integrating insights from EU and international projects, the workshop will foster forward-looking discussions on improving systemic risk assessment, enhancing resilience planning, and identifying effective strategies for climate adaptation and disaster risk management.

Workshop format:

- Presentations on the state-of-the-art risk and resilience analysis and applications from EU and international projects.
- Moderated discussions and working groups on key research questions.
- Collaborative sessions to explore new ideas for future project proposals.

Key questions to be addressed include:

1. How can behavioural dynamics and risk perception be integrated into systemic risk and adaptation models to better capture real-world decision-making and adaptive feedback in complex disasters?
2. Why do individuals and communities fail to adopt adaptive behaviours despite the increasing availability of hazard and risk information?
3. How can the dynamic interplay of hazard, exposure, vulnerability, and response be embedded into operational, empirically grounded risk models?

Agenda at a glance

	Day 1	Day 2	Day 3
	Mon June 8th	Tue June 9th	Wed June 10th
09:00 - 10:00	Arrival of the guests	Keynote 2 - Linkov	Keynote 3 - Mazzoleni
10:00 - 11:00		Coffee break (30min)	Coffee break (30min)
11:00 - 12:00		Oral presentations 2	Working Groups 3
12:00 - 13:00	Welcome lunch (1h)	Light lunch (1h)	Farewell lunch (1h)
13:00 - 14:00	Keynote 1 - Calliari	Working Groups 2	Next steps & Conclusions
14:00 - 15:00	Oral presentations 1	Coffee break (30min)	
15:00 - 16:00	Coffee break (30min)	Report back & Overview EU calls	Departure of the guests
16:00 - 17:00	Working Groups 1		
17:00 - 18:00	Report back & Overview EU calls		
18:00 - 19:00	Social Dinner	Boat trip with takeaway dinner	
19:00 - 20:00			
20:00 - 21:00			
21:00 - 22:00			

Detailed agenda

DAY 1

Monday, June 8th 2026

12:00 - 13:00	Light lunch with finger food
13:00 - 13:15	Welcome, introduction to the Workshop and daily agenda
13:15 - 14:00	State-of-the-art Keynote 1 – Elisa Calliari (<i>International Institute for Applied Systems Analysis & CMCC</i>) Understanding and governing habitability in a changing climate
14:00 - 15:30	Oral presentations 1 <ol style="list-style-type: none"> Liz Verbeek (<i>Delft University of Technology, The Netherlands</i>), From intentions to action: a longitudinal study on households' adaptation decisions Mikhail Sirenko (<i>Delft University of Technology, The Netherlands</i>), One survey is not enough: Changing drivers of household flood protection in 2020 and 2023 Peter Robinson (<i>Institute for Environmental Studies IVM, VU University Amsterdam, The Netherlands</i>), IVM research agenda: experimental insights on disaster preparedness Claudia Iacob (<i>University of Bucharest, Romania</i>), Using Theory of Planned Behaviour to study disaster risk perception Marta Ellena (<i>CMCC, Italy</i>), Assessing Transformational Adaptation Potential in EU Adaptation Projects: A Multi-Dimensional Framework. Sungju Han (<i>Helmholtz Centre for Environmental Research, Germany</i>), Measurement bias in behavioural theories in disaster risk research Samuel Rufat (<i>Ecole Polytechnique, Institut Polytechnique de Paris, France</i>), The power of theory: towards a common-ground instrument for disaster risk perception and adaptation
15:30 - 16:00	Coffee break
16:00 - 17:30	Working groups & moderated discussions 1 Thematic focus: <i>How can the dynamic interplay of hazard, exposure, vulnerability, and response be embedded into risk models?</i> Moderators: <i>Christian Kuhlicke, Sungju Han, Marta Ellena</i>
17:30 – 18:00	Report back from the 3 Working Groups
18:00 – 18:30	Overview of EU calls for proposals (Paul Hudson)
19:00 - 20:30	Social dinner LagunaLibre (<i>Fondamenta Cannaregio, 969, 30121 Venice</i>)

DAY 2

Tuesday, June 9th 2026

09:00 - 09:15	Welcome and introduction to daily agenda
09:15 - 10:00	State-of-the-art Keynote 2 – Igor Linkov (US Army Corps and Carnegie Mellon University & CMCC) Resilience: State of Science and Practice
10:00 - 10:30	Coffee break
10:30 - 12:00	Oral presentations 2 8. Davide Ferrario (CMCC, Italy) , Understanding resilience to High-Impact Low-Probability events: a tiered stress testing methodology implemented in the municipality of Venice 9. Maralda Drosky (Helmholtz Centre for Environmental Research, Germany) , Interactions Between Flood and Drought Risk: A Stocktake of Research on Multi-Risk Dynamics from Hydroclimatic Extremes 10. Paola Fontanella Pisa (GLOMOS, UNU-EHS/Eurac Research, Italy) , Risk perception as a cultural process: Insights from Tadami Biosphere Reserves 11. Timothy Tiggeloven (CMCC, Italy) , Multi-hazard risks and societal exposure in Europe: Identifying priority regions for integrated early warning systems 12. Samuele Casagrande (CMCC, Italy) , Adaptive infrastructure networks under climate extremes: a graph reinforcement learning approach for resilience planning
12:00 - 13:00	Light lunch
13:00 - 14:30	Working groups & moderated discussions 2 Why do individuals and communities fail to adopt adaptive behaviours? Thematic focus: <i>Why do individuals and communities fail to adopt adaptive behaviours?</i> Moderators: <i>Samuel Rufat, Elsa Giffard, Fulvio Biddau</i>
14:30 - 15:00	Coffee break
15:00 - 15:30	Report back from the 3 Working Groups
15:30 - 17:00	Overview of EU calls for proposals (Paul Hudson)
17:00 - 17:30	Move to the boat boarding location
17:30 - 22:00	Field (boat) trip and dinner • 17:45 - 18:00 Boarding point: Zattere Incurabili . <i>Welcome on board aperitif</i> • 18:30 Arsenale, Barena dei 2000 Beccapesci; Vignole, Certosa, Forte di Sant'Andrea • 18:50 Bacan (Isola delle Metafore). • <i>Sunset dip in the Lagoon and meal-box dinner on board</i> • 19:40 - 19:50 Boarding and departure towards Bocca di Lido – sistema MOSE. S. Erasmo, S. Francesco, Crevan Barene and microbial mats • 20:50 Burano, S. Caterina, Madonna del Monte, S. Giacomo, Murano, Arsenale, S. Elena, Bacino S. Marco • 22:00 Drop off point: Zattere Incurabili

DAY 3

Wednesday, June 10th 2026

09:00 - 09:15	Welcome and introduction to daily agenda
09:15 - 10:00	State-of-the-art Keynote 3 – Maurizio Mazzoleni (<i>Institute for Environmental Studies IVM, VU University Amsterdam</i>) Dynamic risk modelling
10:00 - 10:30	Coffee break
10:30 - 12:00	Working groups & moderated discussions 3 Thematic focus: <i>Agent-Based Modelling (ABM)</i> Moderators: <i>Victor Santoni, Liz Verbeek, Francesco M. D’Antiga</i>
12:00 - 12:30	Report back from the 3 Working Groups
12:30 - 13:30	Light lunch
13:30 - 14:00	Next steps
14:00 - 14:30	Conclusions