



# ROADMAP2

## WEBINAR3 Practices of Scenario Analysis in Disaster Risk Management planning

7<sup>th</sup> November 2024, 10.00-12.00 CET



**The challenge:** In the context of the complex nature of modern crises and disasters, anticipating and preparing for emerging risks requires a comprehensive risk assessment involving scenario analysis. Scenarios provide a systematic method for exploring how a complex and diverse array of risks may impact societies. In other words, scenarios allow an understanding of the level of resilience of communities and support systems. Scenarios question whether organisations or communities can adapt to, and even capitalise on, future changes and stress their existing capabilities to respond to complex and unexpected events. This understanding can be applied to support and rationalise decision-making about the future and inform preparedness for, management, and mitigation of risks. Scenarios are valued for supporting creative thinking about plausible futures rather than attempting to predict individual outcomes accurately. This is useful in resource planning and stakeholder communication exercises, developing greater confidence to react during a disaster.

The 2023 Union Disaster Resilience first Goal - '*Anticipate*' - emphasises improving the EU and Members States' civil protection capability in risk assessment, anticipation, and disaster risk management planning in complex disaster risks. **The ROADMAP2 3rd webinar aims** to provide a forum for exchanging and assessing Disaster Risk Management and civil protection actors' practices **using scenario analysis techniques**. The webinar will more specifically explore the following questions:

1. What scenario analysis practices are used by disaster risk management and civil protection actors?
2. What has made these scenario practices particularly useful in anticipating and mitigating disaster risks?
3. What are the Pros and cons of different strategies of Scenario analysis (e.g. qualitative and quantitative approaches)?

**The participants:** The webinar is oriented towards scientific, operational, and policy experts in disaster management planning within DRM and civil protection.

**To register for the webinar, please visit:** [https://bit.ly/roadmap\\_webinar3](https://bit.ly/roadmap_webinar3)



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## Agenda

- 10.00 – 10.05 Welcome and brief introduction to ROADMAP2 and its Framework for identifying and assessing Good Practices in DRM  
**Daniela Di Bucci** – ICDP, Project Coordinator
- 10.05 – 10.10 Intro to the theme of the webinar: Scenario analysis in disaster management planning,  
**Kati Orru** – University of Tartu
- 10.10 – 10.30 Advancing Scenario Practice to Build Resilience to Natural Hazards, Geohazards International  
**Janise Rodgers** – GeoHazards International
- 10.30 – 10.35 ■ Questions & Answers
- 10.35 – 10.55 Multi-risk scenario building and assessment  
**Maria Polese** – CI3R
- 10.55 – 11.00 ■ Questions & Answers
- 11.00 – 11.20 Application of multi-risk scenarios in local exercises  
**Kati Orru** – University of Tartu  
**Claudia Morsut** – University of Stavanger  
**Domingos Xavier Viegas** – ADAI
- 11.20 – 11.25 ■ Questions & Answers

- 11.25 – 11.55 Discussion: What makes scenario-building and analysis techniques effective for managing disaster risks?  
*Chair: **Kati Orru** – University of Tartu*
- 11.55 - 12.00 Closing remarks  
**Daniela Di Bucci** – ICDP, Project Coordinator  
**Kati Orru** – University of Tartu

### Short biographies of the speakers:

**Janise Rodgers**, PhD, PE specializes in developing solutions to the threats that communities face from natural hazards and climate impacts. As Chief Operating Officer, she leads GeoHazards International's programs and technical teams. Her experience includes disaster scenario development and research; assessing vulnerability and risk; earthquake safety of buildings and infrastructure, especially schools and health facilities; capacity building, technology transfer, and resilience research; and leading trans-disciplinary processes to develop solutions. She has worked to improve disaster resilience in over 15 countries in Asia-Pacific, Africa, the Middle East, and the Americas, and authored numerous technical publications and guidance documents for practitioners.

**Maria Polese** is Associate Professor at University of Naples, expert in seismic vulnerability, risk/loss estimation methodologies, multi-risk assessment and crisis management policies framework. She is coordinating EU Project BORIS2 – Cross BOrder RISk assessment for increased prevention and preparedness in Europe: way forward, dealing with cross-border multi-risk assessment and PI of EXPLORA - EXPosure assessment for buiLding typOlogies integRating innovAtive survey techniques. In ROADMAP2 she is leader of WP3 – Good Practices and Scenarios.

**Kati Orru** is Associate Professor at University of Tartu, expert in disaster governance and societal resilience, risk analyses and social vulnerability assessment. She leads the Risk & Resilience Research Group at University of Tartu. In Horizon Europe SYNERGIES project, she leads a work package on engagement of community members for increased preparedness. In ROADMAP2 she has led the exploration of good foresight practices in disaster risk management and empowerment of people in vulnerable situations for increased preparedness.

**Claudia Morsut** is Associate Professor at University of Stavanger, focusing on the role of the EU as crisis manager, the European Union civil protection Mechanism, crisis governance, climate change securitisation and climate change adaptation policy. She has led the Centre in Risk Management and Societal Safety (SEROS) at the University of Stavanger. She has published on the European Union civil protection policy, the EU cooperation in security at global level. In ROADMAP2, she led the work on defining a framework for assessing good practices in disaster risk management and she is responsible for WP2 on the establishment of a Community of Experts to serve the work within good practices.

**Domingos Viegas** is Invited Full Professor at the Mechanical Engineering Department of the Faculty of Sciences and Technology of the University of Coimbra and is the Coordinator of the Centre for Forest Fire Research (CEIF) of ADAI. Expert in Extreme Fire Behaviour and Fire Safety. He was the Chairman of nine International Conferences on Forest Fire Research (Coimbra, Portugal), and several Seminars and training courses about forest fires. In ROADMAP2, he has coordinated stakeholder engagement, potentiating the organization of webinars and workshops.