

# INQUIMUS workshop 2024 edition

Climate and Disaster Risk storylines

04.12.-06.12.2024

Eurac Research, Conference hall & Seminar rooms



Eurac Research is proud to announce the upcoming **INQUIMUS 2024** on **Climate and Disaster Risk storylines – an approach to embrace complexity of risks and heterogeneity of evidence in risk science, risk management and risk communication.**

In an era marked by increasing climate extremes and intensifying disaster events with cascading impacts and risks throughout environmental and human systems, the need for risk management approaches that embrace the complexity of risk pathways is more pressing than ever. Climate and disaster risk storylines offer a powerful narrative framework that can foster a comprehensive and holistic understanding of complex risks and improve decision-making processes across diverse sectors and scales.

The objectives of the workshop are to:

- Exchange experience on developing and applying climate and disaster risk storylines;
- Illustrate, how quantitative and qualitative elements and evidence can be integrated through risk storylines;
- Discuss, how risk storylines can be extended towards the dynamics of non-climatic risk drivers (exposure, vulnerability, underlying drivers) and social aspects;
- Understand to which extent and under which conditions storylines can support risk managers in challenging their current risk management practice and adapting them to future conditions;
- Conclude on elements and aspects that constitute a good standard in developing risk storylines.

The workshop will feature a dynamic blend of high-level keynote talks, case studies, practical sessions, and poster presentations. Participants will have the opportunity to engage in thought-provoking discussions, share experiences, and collaborate in hands-on activities aimed at developing actionable risk storylines.

This workshop is tailored to scientists and researchers from different disciplines, including, but not limited to, climate, engineering, social science and humanity, natural sciences, economics as well as to policymakers, disaster risk managers, emergency responders, planners, and practitioners involved in climate change adaptation, disaster risk reduction, and resilience-building efforts. We welcome participants from diverse backgrounds and disciplines to actively contribute with their expertise and insights.

The event will take place between December 4-6 at Eurac Research, in Bolzano, Italy.

#### **Organization**

Eurac Research  
Center for Climate Change and Transformation  
Drususallee/Viale Druso 1  
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04.12.2024

## Day 1 – Connecting

17.00–22.00

- Registration
- Get together with poster pitches, speed dating and finger food

05.12.2024

## Day 2 – Collaborating

08.30–22.00

- Registration and introduction into the objectives
- Interactive sessions with state-of-the-art talks, poster walks, coffee breaks and group work
  - Practitioners' perspective: Scenarios and storylines in practice (**Veronica Casartelli**)
  - Climate storylines (**Ted Shepherd**)
  - Multi-risk storylines in DRR (**Julia Crummy**)
- Social dinner at Eurac Research with inspiring contributions from outside the world of science.

06.12.2024

## Day 3 – Manifesting

08.30–14.00

- Interactive sessions with state-of-the-art talks, poster walks, coffee breaks and group work
  - Social and economic aspects in risk storylines (Simona Pedde)
- Synthesis – Collective recommendations and uncharted territories
- Teaser of INQUIMUS 2025
- Farewell lunch

## Keynote Speakers

**Veronica Casartelli**, Environmental Engineer with a PhD in Urban Policy and Planning, and a Master's degree in Geopolitics and global security. Currently on leave, she became an officer of the Italian Civil Protection Department in 2005 contributing on activities that cover the entire DRM cycle. Fully trained within the UCPM, she is part of the Italian pool of deployable experts. She was seconded to the Civil Protection Directorate of the Veneto Region from 2018 to 2022. Since 2019 she has been a scientist at CMCC, leading a research unit focused on risk governance and participates in several European projects.



**Ted Shepherd**, Grantham Professor of Climate Science in the Meteorology Department at the University of Reading, and Senior Scientist at the Jülich Supercomputing Centre. Ted is a specialist in large-scale atmospheric dynamics. His recent research has pioneered a 'storyline' approach to representing the deep uncertainty in aspects of climate change related to atmospheric circulation, including extreme events. This has motivated him to begin engaging with stakeholders (e.g. on drought risk), and in inter-disciplinary collaborations. He currently co-chairs the World Climate Research Program's Lighthouse Activity 'My Climate Risk'.



**Julia Crummy**, volcanologist specializing in explosive volcanic eruptions and associated hazards. Her main interests lie in volcanic (multi-)hazards and impacts of volcanic eruptions on all scales, from local communities to national and global. Until now, Julia's research has primarily focused on quantitative hazard analysis; however, Julia has now been exploring qualitative methods to understand hazard impacts on people and assets. Julia leads a task to develop multi-hazard multi-risk storylines for the EU HORIZON2020 MYRIAD-EU project. Storylines and narratives are being developed with stakeholders for disaster risk management to support planning and decision-making for multi-hazard, multi-risk events.



**Simona Pedde**, scenario analyst, focusing understanding future conditions to achieve resilience, both short and long term. In line with today's environmental research priorities and needs, she develops, combines and applies a range of methods which stem from both natural and social science. Co-designing and co-developing research with those using our scientific findings facilitates the impacts of her research in the real world. She focuses on European and regional analysis, particularly connecting SSP scenario communities between WUR, SEI and other institutes. She is also part of the Archetype of Sustainability network and Scientific Advisor in several EU Research Projects.



## About

INQUIMUS is latin for "we say" and is a workshop series which aims to provide exchange, new inspiration and generative dialogues.

There is growing demand by policy- and action-oriented users for operational and integrative assessments of complex, multidimensional phenomena such as vulnerability and resilience. In recent years, quantitative and qualitative assessment methods as part of targeted efforts to disaster risk reduction and climate change adaptation have been pushed towards operational levels. Whilst the scientific progress regarding the development of theoretical frameworks and associated definitions has been remarkable, further attention needs to be given to coherent assessment methods. Therefore, we need a critical scientific discussion on assessment methodologies that evaluates, and benchmarks approaches and intervention options. In the context of social-ecological systems and complex and multi-dimensional phenomena, a key issue is the relevance of spatial and temporal monitoring and how it can effectively support decision making.

Against this background, in 2014, the Department of Geoinformatics – Z\_GIS at the University of Salzburg, Austria and the European Academy of Bozen/ Bolzano (EURAC) initiated a series of INQUIMUS workshops to integrate quantitative and qualitative assessment methodologies for multi-dimensional phenomena. The purpose of these highly interactive workshops is to identify common achievements and methodological challenges, which enable the identification of insights and future ways. Additionally, these workshops will provide the possibility to exchange with practitioners who are active in this field and interested in the application and operationalization of assessments.

More information about our past workshops is available [here](#).  
For inquiries, please contact [inquimus@eurac.edu](mailto:inquimus@eurac.edu).

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