

PARATUS SUMMER SCHOOL

Evaluating direct and indirect Multi-Hazard impacts: Case studies from different sectors and regions

Within this SummerSchool we will analyse the complex impact chains of hazard interactions, exposure, vulnerability, direct and indirect impacts within different sectors in one of four case study areas: Alps, Turkey, Romania and Caribbean. The case study in the Alps deals with the potential interruption of cross-border transportation between Austria and Italy (Brenner highway). The case study in Turkey evaluates the impact chains of a large earthquake in a megacity (Istanbul) and the lessons learned from the recent earthquakes in East Turkey/Syria. The case study from the Caribbean will deal with the impact of tropical storms on small islands. And the case study from Romania will deal with the impact of large cascading events on emergency response in Bucharest and surroundings. Within this summer school we will work in groups concentrating on one of the four case study sites.

The course will be given by Prof. Dr. Cees van Westen, Professor Multi-Hazard Risk Dynamics at the University of Twente, and several other Early Stage Researchers and resource persons associated with the EU Horizon Europe Project PARATUS (<https://www.paratus-project.eu/>)

10 – 14 July 2023: University of Vienna, Austria

Day	Period	Topic
10 July	Morning	Introduction to participants, and aims of the workshop. Presentation of case studies: Alps, Turkey, Romania, Caribbean.
10 July	Afternoon	Division in groups & analysing the situation in the case study
11 July	Morning	Introduction to impact chains, defining impact chains for the case studies
11 July	Afternoon	Defining impact chains for the case studies, presentation of results
12 July	Morning	Which impacts can be quantified? Analysis for the given case study.
12 July	Afternoon	Evaluating data, presentation and discussion of results
13 July	Morning	Defining future scenarios. Stakeholder views.
13 July	Afternoon	Analysis for one of the case studies
14 July	Morning	Risk reduction alternatives
14 July	Afternoon	Comparing alternatives and presenting the results.