

International Workshop

FACING TRANSBOUNDARY EXTREME EVENTS IN ALPINE REGIONS UNDER CLIMATE CHANGE: CHALLENGES AND PERSPECTIVES

Hybrid Event

EURAC Research - Viale Druso 1 39100 Bolzano/Bozen & ONLINE

Wednesday July 6, 2022 | 9:00 - 12:30

The workshop will provide a brief overview of the activities and preliminary results of the TRANS-ALP project, with the aim to foster an interdisciplinary discussion on current and perspective risks related to extreme hydrometeorological events.

Workshop Program

09:00 – 09:15 WELCOME AND PROJECT OVERVIEW

Massimiliano Pittore, Eurac Research and Francesca Borgia, EPC Srl

09:15 – 11:15 PRESENTATION FROM TRANS-ALP THEMATIC AREAS

Cross-border extreme events in the Alps under climate change

ZAMG - Zentralanstalt für Meteorologie und Geodynamik, EURAC Research

Cascading Effects

BFW - Bundesforschungszentrum für Wald, ARPA Veneto

Towards a multi-hazard risk assessment framework

EURAC Research

11:15 – 11:30 COFFEE BREAK

11:30 – 12:30 GENERAL DISCUSSION



FOR WHO?

Civil Protection
authorities, Decision
Makers, Risk
practitioners.
From alpine region
and other areas

TRANS - ALP PROJECT: Extreme hydrometeorological events such as late autumn and winter storms are being increasingly observed in southern Europe and particularly in the Alps, where they threaten environmental and socio-economic systems. An example is the 2018 Vaia (also known as Adrian) storm (Oct 28-Nov 04), which strongly affected Italy, Austria, France and Switzerland. This storm has been considered exceptional yet could foreshadow multi-hazard phenomena whose frequency and intensity are likely to be influenced by climate change. In such conditions, currently available risk assessment and prevention tools may prove inadequate, particularly on a cross-border level and in vulnerable mountainous regions. Therefore, there is a need to provide decision makers and stakeholders with improved and harmonised tools and standardised frameworks to conduct efficient (climate) risk assessments for cross-border areas. Current and future impacts need to be systematically investigated to adopt prevention and disaster risk reduction measures for the mitigation of inherent risks. The TRANS-ALP project has been analysing the occurrence of severe weather events that can be classified as extreme and their specific features in the cross-border area between Austria and Italy (Trentino-Alto Adige/South Tyrol and Veneto), with the overall goal of developing an integrated methodology for multi-hazard risk assessment and impact forecasting for mountainous regions at cross-border scale, in order to further advance the decision-making processes and support transnational cooperation along the disaster management cycle in the EU.