

Integrated Drought Management System and Measures to Mitigate the Impact of the Climate Change in Kosovo



October 2022 - June 2024

Main activities:

- Draft Action Plan for the Drin River Pilot Basin
- A set of drought mitigation measures
- Drought Management Community of Practice
- National consultative dialogue
- Training for water management experts and farmers

Building on NOAA funded activities in 2022 on IDMP in Drin basin countries.







Knowledge transfer on drought issues due to climate change for Armenia

Visegrad Fund

September 2022 – October 2023

Study Visit – Bratislava (SHMI, GWP CEE, Czech Globe) and in Ljubljana (DMCSEE in-kind contribution)

Armenian Drought Management Community – opened in April 2023

- 50+ members
- to support transfer of knowledge and lessons learned;
- to build a sustainable community for Armenian drought experts and
 - relevant institutions
- to engage other stakeholders (e.g. students)
- to establish repository with all relevant drought info



COMMUNITY OF PRACTICE

Երաշտի կառավարման հայկական համայնք Armenian Drought Management Community

- iii 54
- Climate
- Armenia







Planned activities

Support the Implementation of IDM and Catalyze Change

"Kosovo project": Action plan for preparation od the DMP; CoP for Kosovo, set of measures, training & national dialouge

Generate and Manage Knowledge

- "Kosovo project": capacity building on drought
- HuT Project Researching the transfer and scalability of multi-hazard DRR solutions among different case studies (2 in CEE related to flood and droughts)

Communication and Strengthen Partnerships

- Support development of Community of Practice on Drought in Armenia and Kosovo (Visegrad Project)
- Active collaboration among multiple CEE countries, DMSCEE, Armenia and Kosovo partners in projects
- Support drought aspects and drought-flood aspects related to NBS in Community of practice of water related NBS
- Strengthening existing partnerships in the region and connect with other institutions and initiatives to gain extra knowledge and good practices.







Fundraising

Submitted project(s):

LAREDAR: Lakes and Reservoirs in the Danube River Basin – submitted in Nov 22; Promoting climate change adaptation capacities in the Danube Region and disaster management on transnational level in relation to environmental risks taking into account ecosystem based approaches

Calls to consider for application:

HORIZON-CL6-2024-BIODIV-02-1-two-stage: Demonstrating Nature-based Solutions for the sustainable management of water resources in a changing climate, with special attention to reducing the impacts of extreme drought. Open in Oct 2023, 22 Feb 2024 (First Stage), 17 Sep 2024 (Second Stage)

Danube Region programme (Interreg): DriDanube vol.2?















X-RISK-CC



X-RISK-CC

How to adapt to changing weather X-tremes and associated compound and cascading RISKs in the context of Climate Change

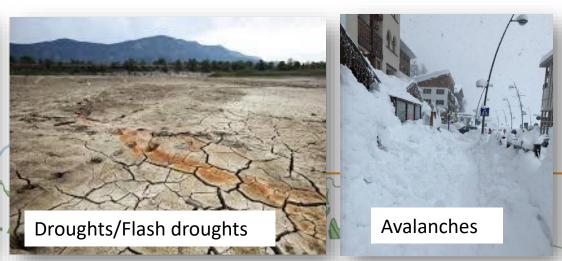
Start/End: 1 November 2022 – 31 October 2025 (36 months)

Project value: 2.982.072.92 EUR

Programme: Interreg Alpine Space 2021-2027











Alpine space area



Co-funded by



Pilot areas

Partnership

- The project **team**:
- 11 partners (from practice, policy-advisers, science), 6 countries
- Lead partner EURAC Research (Bolzano, Italia),
- Slovenian Environment Agency / ARSO (Slovenia),
- Development Agency Sora (Slovenia),
- Civil Protection Agency, Autonomous Province of Bolzano (Italia),
- Autonomous Province of Trento (Italia),
- Auvergne Rhône-Alpes Energy Environment Agency (France),
- GeoSphere Austria (Austria),
- Forest-technical service for torrent and avalanche control, Section Tyrol (Austria),
- Environment Agency Austria (Austria),
- Technical University of Munich (Germany),
- Swiss Federal Institute for Forest, Snow and Landscape Research WSL (Switzerland)

Alpine Space

Wipptal-Tirol (ITA, AUT)

teat/Drought and Flooding

Goreniska

Compound mass

movements

Garmisch

Torrential processes Wipptal-Tirol

Storm Vaia

IT/AT

Increased rain intensity > debris flow, driftwood, floods;

Higher temperatures > Permafrost and glacier melt

Garmish (D)Intense summer rainstorms > ro

 Intense summer rainstorms > rockfalls, debris flow

Storm

Eleanor/Burglind

CH/FR

France, Switzerland

Winter storm Eleanor/Burglind
rain on snow, avalanches,
floods, landslides, debris flow

Trento-Bolzano (ITA)

Vaia storm (Heavy precipitation and strong wind) > crashing of entire forests, increased avalanche danger, floods and debris flow

X-RISK-CC

Sora river basin /Gorenjska (Slovenia)

- Drought / Flash drought (all types topsoil, hydrological in surface waters, in groundwaters)
- Floods and debris flow

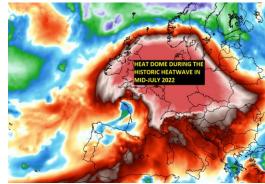




Slovenia

2022 – drought declared as natural disaster in agriculture, hydrological drought, heat and the largest historic fire





Source: https://www.delo.si/novice/slovenija/kljubujejo-suhim-pipam-pomaga-jim-tudi-dez/





Sourcertscrastonnoicst/novice/slovenija/v-skofji-loki-ujete-resujejo-s-helikopterjem-vide

Source: www.severe-weather.eu/global-weather/heatwave-heat-dome-slovenia-historic-wildfire-karst-summer-july-2022-mk/

Partnership

The project overall aims > outputs



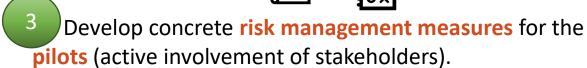
Alpine Space

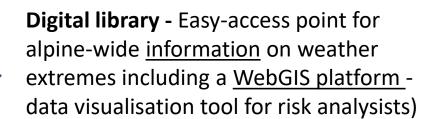
To support **risk managers** and **policy makers** to address the **compound risks** of **weather** extremes by improving risk management and CC-adaptation mechanisms.

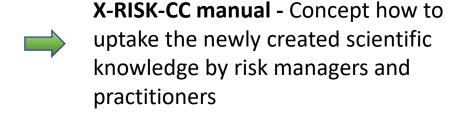
Improved understanding of past & future weather extremes under Climate Change

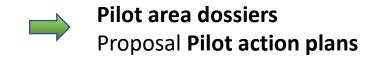


Improved understanding of past & future compound/cascading impacts and risks

























More about the project:

https://www.alpine-space.eu/project/x-risk-cc/

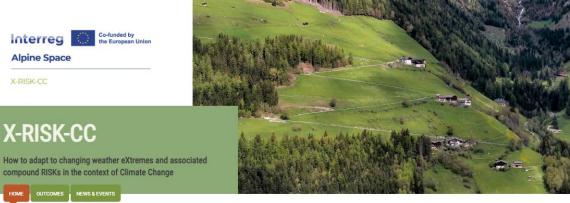
Contacts:

Lead partner EURAC Research:

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ARSO: maja.zun@gov.si;

andreja.susnik@gov.si



Overview

There is scientific evidence that climate change is likely to induce more frequent or intense weather extremes in the Alps with compound and cascading effects on the environment, humans and the economy. This may induce unexpected complex, long-lasting or even irreversible consequences. However, the knowledge and management of cascading impacts and risks under climate change are still insufficient. Therefore, X-RISK-CC aims to support risk managers and policy makers in addressing the compound risks of climate change extremes by developing new knowledge, local risk management actions and transnational guidelines. The project partners thus explicitly address the need for common knowledge, actions and solutions to manage extremes in the context of climate change.

Factsheet		в
Programme period	Start Date	
2021 - 2027	11/2022	
Priority	End Date	
Climate resilient and green Alpine region	10/2025	
Specific objective	Total eligible costs	

LATEST NEWS

X-RISK-CC project partners meet in Bolzano for a first successful face-toface meeting

From 4th to 5th of April 2023 the partners of the X-RISK-CC project, held the first face-to-face meetin ...

» read post

LATEST EVENTS

Project meeting in Bolzano 04 - 05 Apr 2023

» Open event details



Clim4Cast project

"Central European Alliance for Increasing Climate Change Resilience to Combined Consequences of Drought, Heatwave, and Fire Weather through Regionally-Tuned Forecasting"

Time frame: Mar 2023 - Feb 2026 (3 years)

Budget: 1.913.954,00 EUR (80 % ERDF funds)

Programme: Interreg Central Europe 2021-2027

8 project partners, 26 associated partners (observers), 7 CE countries

Partnership



Lead partner

(CZ) (CZ)

MASARYK - Department of Geography UNIVERSITY



(AT) (PL)



Institute of Soil Science and Plant Cultivation State Research Institute

Leibniz Centre for Agricultural Landscape Reserach

Croatian Hydrological and

Meteorological Service



(D) (SI)



ARSO METEO Slovenian Environment Agency



(HR) (SK)



Slovak Hydrometeorological Institute

8 project partners:

- Research (institutes, universities)
- National hydromet. services

26 associated partners (observers):

- Ministries, institutes, municipalities, companies
- Agriculture, forestry, environment, civil protection, insurance

Project focus



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Address the absence of tools that monitor, predict and spread awareness of DHF on an operational basis

Topic

Forecasting drought, heatwaves, and fire weather (DHF) in Central Europe

How

Developing multi-temporal DHF forecast component & its integration in existing national DHF monitoring platforms

Main tasks

Forecasting tool for DHF and their compound effects

- Collect best practices on monitoring and prediction of DHF and compound events
- Mid-range (~10 days), extended (~50 days) and seasonal (~6 months) DHF forecasts functionalities to the national EWS systems

Integrated strategy to increase awareness on DHF and climate change effects

- Collect data on occurrence & impacts of DHF events
- Methodology for attribution of occurrence of DHF events to CC
- Strategy on improved climate change awareness



DHF response action plan through efficient EWS

- Existing status of DHF response & best practices
- Institutions communication and engagement action plan within existing legal frameworks





Clim4Cast



www.interreg-central.eu/projects/clim4cast



#Clim4Cast

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