

Climate Change, Extremes and Natural Hazards in Alpine Regions Research Centre CERC



The research centre CERC, founded in 2021 focuses on climate change, extreme events and natural hazards in mountain regions. It is part of WSL Institute for Snow and Avalanche Research SLF and located in Davos.



Research for mountain regions

According to climate forecasts, we expect more hot days, dry summers, heavy precipitation and winters with little snow in Switzerland in the coming decades. As mountain regions are particularly affected by this, they should be as well prepared as possible for the future climate.

CERC is therefore strengthening SLF's expertise in the following topics

- Weather and climate extremes in mountain regions
- Permafrost
- Remote sensing, early detection, and early warning
- Alpine mass movements
- Mountain ecosystems and protection forests
- Risk management, risk communication and resilience



Mission

The CERC research centre develops practical solutions for relevant problems of mountain regions caused by climate change, extreme events and natural hazards. As a research-, knowledge- and implementation hub, CERC links top international research with regional knowledge so that mountain regions remain safe and valuable habitats in the future.

Funding agencies

CERC is funded by the Canton of Grisons and the Swiss Federal Research Institute WSL. ETH Zurich is strengthening the centre with two joint professorships in Davos.



Cooperations

We can only meet future challenges with joint efforts. We therefore work closely with national and international research institutes, universities, public authorities, interest groups and companies from the private sector. We look forward to further collaborations.

Contact and further information

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