

SCIENCE-STAKEHOLDER EXCHANGE ON CLIMATE EXTREMES FOR DISASTER RISK REDUCTION (CLIMXCHANGE)

Joint Project ClimXtreme II: Climate Change and Weather Extremes in Europe

Why this project?

Both knowledge of and experience with climate change, extreme events, and disasters are increasing. Considering the present situation, the following question arises: How do societies move from knowledge to action? ClimXchange aims to improve the exchange of knowledge between research and stakeholders affected by extreme events, thereby contributing to the transfer of knowledge into practical application. To this end, the project investigates how existing knowledge on climate extremes can best be communicated, taking into account the specific expectations, perceptions and needs of the various user groups.

Methods

As part of a participatory method design and various workshops, the project develops processes, tools and action aids to facilitate the exchange between scientific experts and stakeholders. The results are being used to prepare a Do-it-yourself Toolbox for science-stakeholder exchange.

Innovation

The project aims to explore pathways regarding best methods for communication, application and translation of existing climate science knowledge. In order to do so, a toolbox is being developed to empower researchers and stakeholders to enter and shape knowledge exchange. Furthermore, the ClimXchange partners are preparing a knowledge base for stakeholders to make the findings regarding extreme events of the ClimXtreme consortium accessible. Additionally, they are translating research-based climate knowledge in a user-targeted process tailored for the forestry sector.

DIY Toolbox for Science-Stakeholder Exchange



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Duration: 10/2023 – 09/2026

Region: Europe

Partners:

- Disaster Research Unit (DRU), Freie Universität Berlin (ClimXchange lead)
- Deutscher Wetterdienst (DWD), Regional Climate Office Potsdam
- Climate Service Center Germany (GERICS), Helmholtz-Zentrum Hereon

Further partners in the ClimXtreme II consortium:

- Freie Universität Berlin, Institute of Meteorology
- University of Freiburg
- Deutscher Wetterdienst
- German Research Centre for Geosciences
- German Climate Computing Center
- European Severe Storms Laboratory e.V.
- Justus Liebig University Giessen
- Heinrich Heine University
- Helmholtz Zentrum HEREON
- Karlsruhe Institute of Technology
- Max Planck Institute for Meteorology, Max Planck Society
- Potsdam Institute for Climate Impact Research
- TU Dortmund University
- University of Bonn
- University of Leipzig
- University of Potsdam
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