ClimXchange

C13

Science-Stakeholder Exchange on Climate Extremes for Disaster Risk Reduction

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Aim

With regard to ClimXtreme research findings, ClimXchange will explore how existing climate science knowledge can best be communicated and applied.

Outcomes

1. ClimXtreme knowledge base for stakeholders
2. Provision of research-based and user-targeted climate knowledge for the forestry sector
3. DIY Toolbox for science-stakeholder knowledge exchange

Research question

How can existing climate research knowledge best be disseminated, taking into account the expectations, perceptions and needs of various stakeholders?

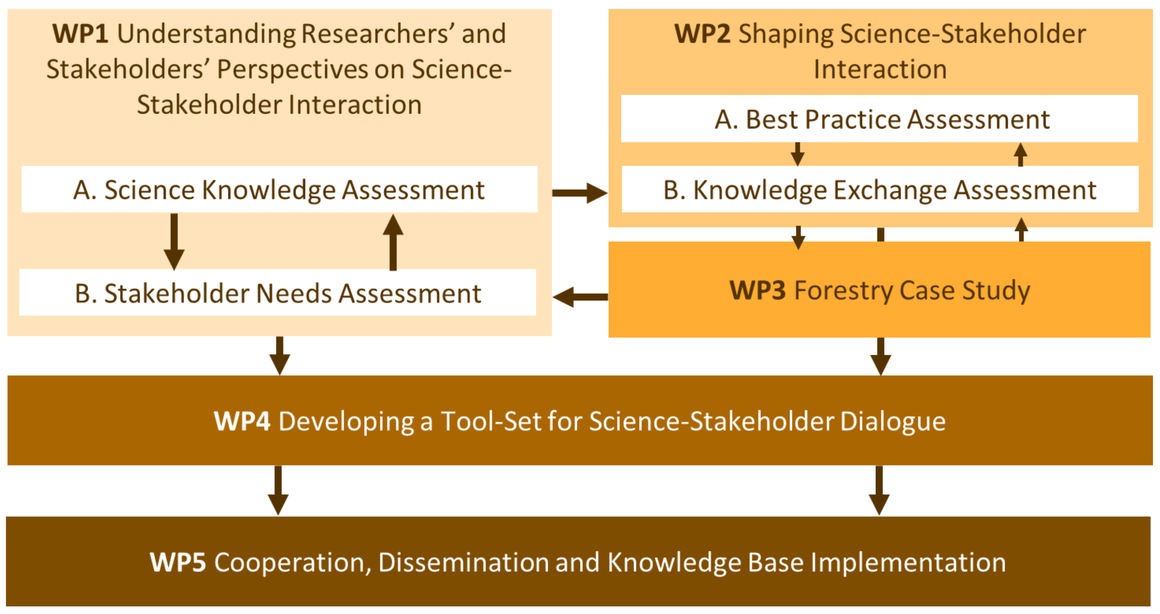
Methods: Participatory research design

- Survey: ClimXtreme findings and researchers' experiences in knowledge exchange
- Case study: in-depth consultation and study of forestry sector climate knowledge needs
- Workshop series: science-stakeholder interactions
- Toolbox evaluation

Contributions to PostAG and HaSSI groups

- ✓ Overview about specific expertise in ClimXtreme projects
- ✓ Comprehensibility and usability check for stakeholders
- ✓ Communication strategies and tools

Project Overview



Building a public knowledge base which…

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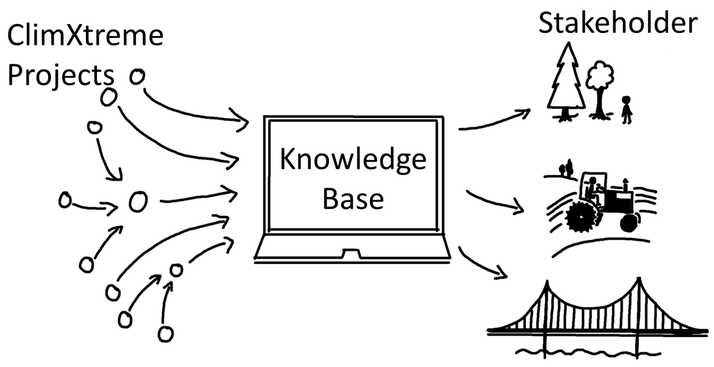
← provides researchers with information about stakeholder expectations, perceptions and needs

→ provides ClimXtreme results to stakeholders to enable better planning against extreme weather in the context of climate change

↔ shares best practices for knowledge exchange between science and stakeholders



Investigating a Case Study Region – forestry sector in Lower Saxony

GERICS

- Workshops with stakeholders from the Forestry sector in Lower Saxony, and subsequent in-depth dialogue with key stakeholders
- Assessment of climate extremes and impacts on forest ecosystems; discussion of various management practices implemented to mitigate the impacts of drought and heat

F. Knutzen

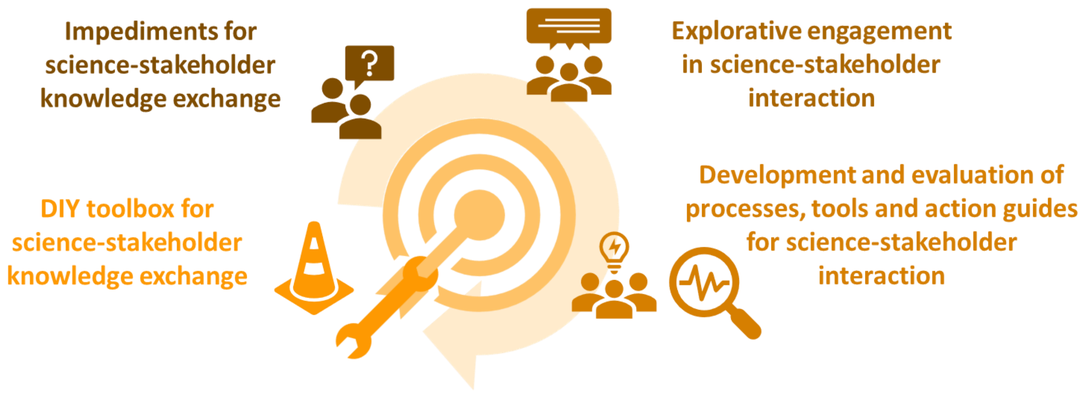
→ Supports the evaluation of the stakeholder toolset through application to foresters from Lower Saxony

→ Gives opportunities for practice-oriented exchange after possible future periods of drought and heat

DIY Toolbox for science-stakeholder knowledge exchange

Disaster Research Unit

Taking into account barriers and challenges of science-stakeholder interaction and conducting knowledge exchange workshops, the DRU aims to develop a Do-It-Yourself Toolbox for science-stakeholder knowledge exchange within the ClimXtreme project context.



The DRU will contribute to the overall project goal of promoting knowledge exchange between climate researchers, and stakeholders from areas of practical application, ultimately reducing disaster risks.

Bundesministerium für Bildung und Forschung
Deutscher Wetterdienst Wetter und Klima aus einer Hand
GERICS Climate Service Center Germany
Disaster Research Unit
FONA Research for sustainability
CLIMXTREME Climate Change and Extreme Events