

Abstract

The purpose of the project is to design and apply an integrated knowledge framework to enhance international water cooperation on hydroclimatic extremes.

Transboundary river basins suffer from a lack of institutional capacity as well as face challenges of technological capacity to better mitigate and adapt to floods and droughts. The project aims to better link recent developments in environmental intelligence to inform transboundary water diplomacy with a particular attention towards impacts on infrastructure and livelihoods.

Multiple data streams from ground-based, satellite and citizen sources are brought together using existing models and tools for an environmental intelligence protocol, synthesising the connections of data generation and analysis with policy support systems. This protocol is tested and adapted with local stakeholders of the Brahmaputra River basin and the Maas/Meuse River basin.

The project seeks to advance deliberative decision-making through participatory knowledge system generation that can empower and equip stakeholders for more adaptive and equitable decision-making. The project informs strategies of water diplomacy and international cooperation policy by employing socio-technical experiments including living policy labs and learning workshops that allow for new, transformed evidence-based approaches to deal with hydroclimatic extremes.



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► Project partners

- HUMBOLDT-UNIVERSITAET ZU BERLIN - GERMANY
- UNIVERSITY OF GENEVA - SWITZERLAND
- WAGENINGEN UNIVERSITY AND RESEARCH
- THE NETHERLANDS

► Funding organisations

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3 years

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KEYWORDS