

“DK Climate Science on Stage” Elevator Pitches

Human Dimension:

[Anna Dugan](#)

The macroeconomics of low carbon mobility transition

[Raphaela Maier](#)

The macroeconomic implications of climate-benign tipping interventions in energy-intensive industry

[Lennart Vogelsang](#)

The economics of transformational adaptation

[Carlotta Garofalo](#)

Climate Lawsuits against States

Attribution:

[Nicole Ritzhaupt](#)

Distilling climate information about extreme precipitation over Europe

[Mastawesha Engdaw](#)

Attribution of temperature and hydrological extreme events to human-induced climate change

[Aditya Mishra](#)

Understanding and Attributing the Severity of Extreme Precipitation Events

[Kamilya Yessimbet](#)

Predictability of temperature and hydrological extremes connected to atmospheric blocking

[Rutger Lazou](#)

Legitimate expectations in stranding assets

Climate-Hydrology:

[Esmail Ghaemi](#)

Uncertainties in modeled extreme precipitation

[Dagmar Henner](#)

Living soil under extreme hot and dry spells in a warming climate

[Md. Humayain Kabir](#)

Climate change and Austrian Alpine forelands

[Bahareh Rahimi](#)

Observing atmospheric river events using the radio occultation technique

[Ainur Kokimova](#)

Sustainable use of groundwater resources under changing climate conditions and societal demands



Contacts: <https://dk-climate-change.uni-graz.at/en/about-the-dkcc/doctoral-students/>

Doctoral Programme Climate Change: Uncertainties, Thresholds and Coping Strategies

Phase 2



Climate-Hydrology:

This group brings together researchers exploring issues related to hydro-meteorological changes and extremes under climate change. This includes natural scientists as well as researchers interested in socio-economic consequences of these phenomena. (Based on Cluster 2: Adaptation)



Raoul Collenteur:
Impact of extreme events and changing environmental conditions on groundwater recharge



Esmail Ghaemi:
Uncertainties in modeled extreme precipitation



Dagmar Henner: Sustainable soil water and carbon storage enhancement options under intensified hot-dry conditions from climate change



Md. Humayain Kabir: Hydrological intensification and damage risks due to extreme convective rainfall events in a warming climate



Ainur Kokimova: Sustainable use of groundwater resources under a changing climate



Bahareh Rahimi: Observing atmospheric river events using the radio occultation technique



Lennart Vogelsang: The economics of transformational adaptation

Attribution:

This group brings together climate physicists, philosophers and legal scholars. The aim is to understand the attribution of climate change related events to human action and to use this to further research on climate litigation. (Based on Cluster 1: Decision making under uncertainty)

Mastawesha Engdaw:
Attribution of temperature and hydrological extreme events to human-induced climate change



Laura García-Portela:
The empirical demandingness of alternative normative understandings of loss & damage



Carlotta Garofalo:
Climate lawsuits against states



Rutger Lazou:
Legitimate expectations in stranding assets



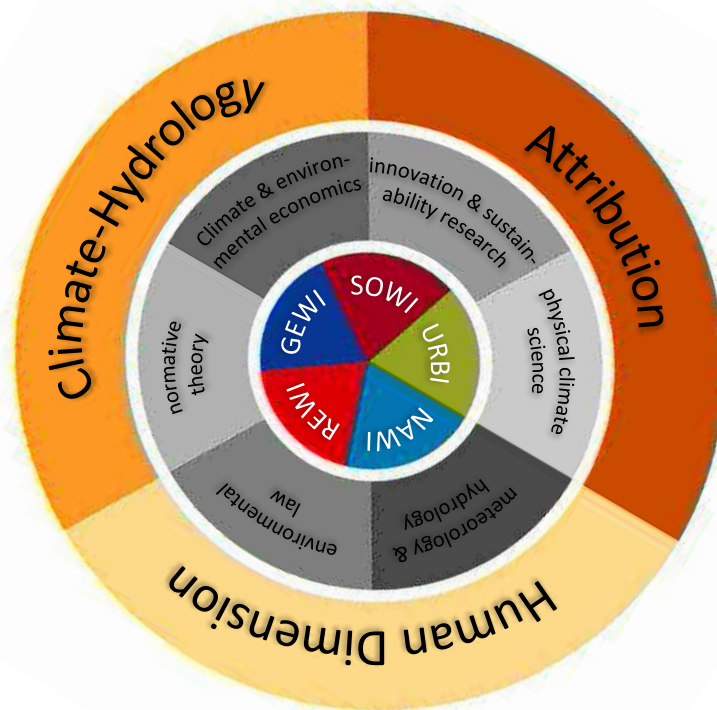
Aditya Mishra:
Understanding and attributing the severity of extreme precipitation Events



Nicole Ritzhaupt:
Supporting climate service providers by distilling information about future precipitation extremes



Kamilya Yessimbet:
Evolution and predictability of extreme weather events connected to atmospheric blocking



Human Dimension:

This group brings together researchers working on behavior issues in relation to climate change, both in mitigation and adaptation. It addresses human action in the production and consumption of goods and services, e.g. in mobility or energy. (Based on Cluster 3: Mitigation)



Anna Dugan:
The macroeconomics of low carbon mobility transition



Raphaela Maier:
Macroeconomic implications of tipping interventions in energy-intensive industry



Alexander Marbler:
An economic assessment of different instruments of adaptation finance



Lydia Omuko-Jung:
Legal aspects of consumption-based instruments for climate change mitigation



Jyoti Prajapati: Innovation strategies of companies in the mobility sector to reduce GHG emissions



Laura Siggelkow: Emission-generating activities – their benefits and normative distributive significance



Annina Thaller: Consumer decisions: The case of sustainable mobility behavior



Rafia Zaman: The role of electricity-“prosumers” in the transition towards a low carbon energy system

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Wissenschaft und Forschung