Doctoral Programme Climate Change: Uncertainties, Thresholds and Coping Strategies

Phase 2

DOCTORAL PROGRAMME CLIMATE CHANGE — UNI GRAZ

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)

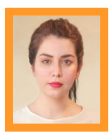
Raoul Collenteur: Impact of extreme events and changing environmental conditions on groundwater recharge

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

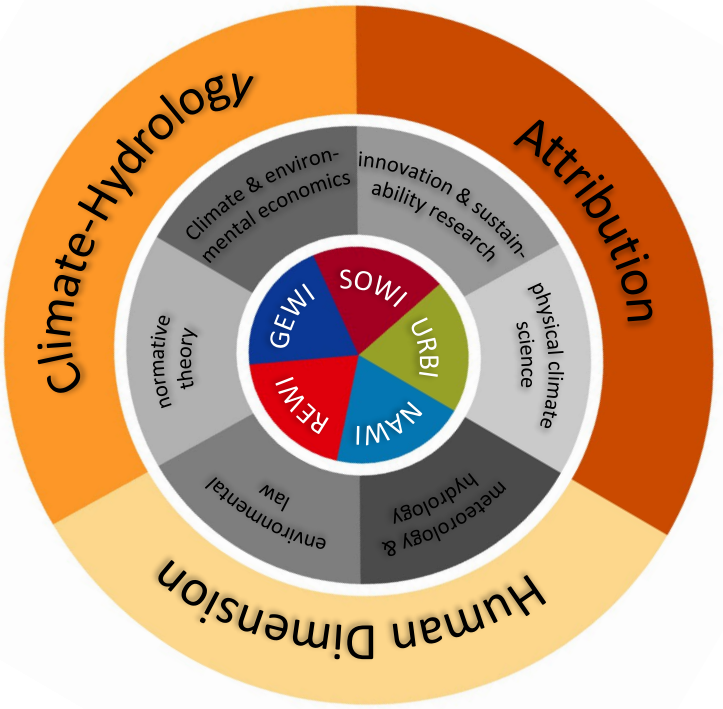
Md. Humayain Kabir: Hydrological intensification and damage risks due to extreme convective rainfall events in a warming climate

Ainur Kokimova: Sustainable use of ground-water resources under a changing climate



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

Lennart Vogelsang: The economics of transformational adaptation

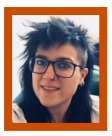


Attribution:

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)

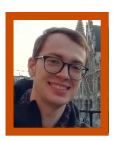
Mastawesha Engdaw: Attribution of temperature and hydrological extreme events to human-induced climate change

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



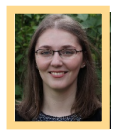
Aditya Mishra: Understanding and attributing the severity of extreme precipitation Events

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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Steffen Birk

Ulrich Foelsche

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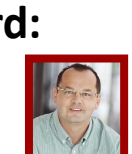

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