

Geographisches Kolloquium



Dienstag, 14.01.2025

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**GFZ Helmholtz-Zentrum
für Geoforschung**

Cascading economic and health risks of flooding

Globally, floods affect more people than any other natural hazard. Despite the improvements in infrastructure and structural flood protection levels in many regions, changing climate and rapid urbanization have resulted in increased number of extreme flood events (e.g. Western Europe flooding – 2021 Germany, Belgium and Netherlands, Storm Desmond - 2013 UK, Elbe Floods – 2002, 2013 Germany, Saigon Floods – 2011, 2019 Vietnam). Floods lead to unexpected adverse impacts not only on the economic front but also on health and well-being of the population. However, non-economic impacts (e.g. on health and well-being) are often neglected because they are difficult to quantify using traditional risk assessment frameworks. Considering the reality of rapidly changing flood risk dynamics, a systemic understanding the pathways through which cascading effects of flooding impacts the exposed population, is currently lacking. However, this is necessary to develop socially-optimal and sustainable climate adaptation strategies as well as relief and recovery. The talk will focus on research that aims to quantify flood risk with a focus on economic and health impacts, a dimension which has not been addressed in quantitative risk models.

**Erwin-Schrödinger Zentrum
Rudower Chaussee 26
Raum: 0'307
15:00 Uhr c.t. – Eintritt frei**

