

EINLADUNG ZUR NÄCHSTEN VERANSTALTUNG DES POTSDAM RESEARCH SEMINAR IN ECONOMICS

Sehr geehrte Damen und Herren,

Wir laden Sie herzlich zur nächsten Veranstaltung des Potsdam Research Seminar in Economics

am **16.01.2018** ein.

Das Seminar findet von **14.00 bis 16.00 Uhr** (c.t.) in Raum **3.01.231** statt.

Referent:

Prof. Dr. Anders Levermann (*Potsdam-Institut für Klimafolgenforschung und Universität Potsdam*)

Thema des Vortrages:

Towards understanding the global economic response to weather extremes: the example of river floods

Abstract:

Increasing Earth's surface air temperature yields an intensification of its hydrological cycle and thereby weather extremes. As a consequence, the risk of river floods will increase regionally within the next two decades due to the atmospheric warming caused by past anthropogenic greenhouse gas emissions. The direct economic losses caused by these floods can yield regionally heterogeneous losses and gains by propagation within the global trade and supply network. Here we present the numerical model acclimate that dynamically propagates economic losses along the global trade network. Using acclimate we show that, in the absence of large-scale structural adaptation, the total economic losses due to fluvial floods will increase by 33% within the next two decades despite partial compensation by market adjustment within the global trade network. China will suffer the strongest direct losses with an increase of 188%. By contrast, the US is mostly affected indirectly through its trade relations. Recent intensification of the trade relations with China leaves the EU better prepared against the import of production losses in the future.

Wir freuen uns auf Ihre Teilnahme.