Extreme climate events, such as heatwaves, droughts and storms, have been identified as a top threat to human wellbeing by the United Nations and independent bodies such as the World Economic Forum. Hence, it would be negligent to discuss strategies to reach the Sustainable Development Goals (SDGs) without consideration of societal resilience under potential changes of climate extremes. The overall objective of the conference is to elucidate the relations between climate extremes, societal resilience, and sustainable development goals. In particular, we will identify the major obstacles for building climate resilience across regions and sectors, and identify priorities and means to address these obstacles.

**PROGRAM**

The following topics will be addressed in relation to climate extremes in five parallel sessions throughout the conference:

**PARALLEL SESSIONS (incl. session leads)**

**Session 1**  
**Challenges of Extreme Events for Resilient Infrastructures**  
**Petra Mahrenholz**  
German Environment Agency, Dessau, Germany  
**Gerrit Jasper Schenk**  
Technische Universität Darmstadt, Germany

**Session 2**  
**Extreme Events and Food Security**  
**Ruth Delzeit**  
Kiel Institute for the World Economy, Germany  
**Adriana Ignaciuk**  
Food and Agriculture Organization of the United Nations, Rome, Italy  
**Zia Mehrabi**  
University of British Columbia, Vancouver, Canada

**Session 3**  
**Climate Extremes and Security**  
**Christoph Mainberger**  
Federal Foreign Office, Berlin, Germany  
**Jürgen Scheffran**  
University of Hamburg, Germany  
**Judith Nora Hardt**  
Centre Marc Bloch e.V. (HU Berlin) and University of Hamburg, Germany

**Session 4**  
**Data Science for Human Wellbeing**  
**Miguel D. Mahecha**  
Max-Planck-Institute for Biogeochemistry, Jena, Germany  
**Debarati Guha Sapir**  
Centre for Research on the Epidemiology of Disasters (CRED), Brussels, Belgium

**Session 5**  
**Response to Compound Events**  
**Jakob Zscheischler**  
University of Bern, Switzerland  
**David N. Bresch**  
ETH Zurich/Federal Office of Meteorology and Climatology MeteoSwiss, Zurich, Switzerland

“Extreme Events: Building Climate Resilient Societies” is part of the Herrenhausen Conference Series initiated by the Volkswagen Foundation.

There is no fee for attendance, but registration is essential. Please visit the conference website for more information.
PROGRAM

TUESDAY, OCTOBER 8, 2019

6:30 p.m. Icebreaker at Central Hotel Kaiserhof

WEDNESDAY, OCTOBER 9, 2019

8:30 a.m. Registration and Coffee

9:30 a.m. Welcome & Introduction
Auditorium
Wilhelm Krull
Secretary General,
Volkswagen Foundation, Germany

Markus Reichstein
Max-Planck-Institute for
Biogeochemistry, Jena, Germany

10:00 a.m. Keynotes
Auditorium
Climate extremes at 1.5°C vs. 2°C global warming: the IPCC SR15 report
Sonia I. Seneviratne
ETH Zurich, Switzerland

Climate related disasters: direct and indirect impacts on development and poverty
Stephane Hallegatte
Global Facility for Disaster Reduction and Recovery (GFDRR), the World Bank,
Washington, DC, USA

10:45 a.m. Coffee Break

11:15 a.m. PARALLEL SESSIONS
Workshop Rooms
Research Question I – Expected Impacts
Which impacts are expected to be caused by extreme climate events (incl. compound events, impacts cascades and feedbacks) across ecosystems, infrastructures and society?

12:45 p.m. Lunch
Ballroom

2:15 p.m. Keynotes
Auditorium
Disaster insurance: What is it good for?
Ilan Noy
Victoria University of Wellington, New Zealand

What has to be done to manage increasing losses and damages caused by climate change?
Peter Hoeppe
Munich Re, Germany

3:00 p.m. PARALLEL SESSIONS
Workshop Rooms
Research Question I – Expected Impacts (continued)

4:00 p.m. Coffee Break

4:30 p.m. Reporting Session 1–5 & Discussion
Auditorium
Research Question I – Expected Impacts
Moderator: Marie-Luise Beck
German Climate Consortium, Berlin, Germany
Rapporteurs Session 1–5

5:15 p.m. Keynotes
Auditorium
Incremental versus transformative adaptation for coping with climate extremes
Lisa Schipper
University of Oxford, United Kingdom

Scaling adaptations to build urban resilience to extreme climate events in Africa
Shuaib Lwasa
Makerere University, Kampala, Uganda

6:00 p.m. Two-minute Lightning Talks
Auditorium
Early Career Researchers

6:30 p.m. Conference Dinner
Ballroom
including Dinner Speech by Philip Ward, VU University Amsterdam, The Netherlands
**PROGRAM**

**THURSDAY, OCTOBER 10, 2019**

9:00 a.m. *Introduction*

9:15 a.m. **PARALLEL SESSIONS**

**Workshop Rooms**

**Research Question II – Key Obstacles**

What are key obstacles (e.g., financing, governance, data & system knowledge) towards societal resilience across sectors and Sustainable Development Goals (SDGs)?

10:45 a.m. *Coffee Break*

11:15 a.m. **PARALLEL SESSIONS**

**Workshop Rooms**

**Research Question II – Key Obstacles (continued)**

12:15 p.m. **Reporting Session 1–5 & Discussion**

**Auditorium**

**Research Question II – Key Obstacles**

**Moderator:** Marie-Luise Beck

**Rapporteurs Session 1–5**

1:00 p.m. *Lunch*

**Ballroom**

2:30 p.m. **PARALLEL SESSIONS**

**Workshop Rooms**

**Research Question III – Knowledge Needed**

What knowledge is needed to remove these obstacles and how can research, teaching and learning support the transformation towards SDGs while facing climate extremes?

4:00 p.m. *Coffee Break*

4:30 p.m. **Keynotes**

**Auditorium**

**Cultural memory for coping with and adapting to recurrent natural hazards**

**Virginia Araceli García-Acosta**

CIESAS, Center for Research and Advanced Studies in Social Anthropology, Mexico City, Mexico

**Human Artificial Intelligence for Societal Resilience**

**Emmanuel Letouzé**

Data-Pop Alliance, New York, USA

5:15 p.m. **Two-minute Lightning Talks**

**Auditorium**

**Early Career Researchers**

6:15 p.m. **Poster Session**

with Wine and Snacks

8:00 p.m. **Public Lecture** (in German Language)

**Klimawandel: Kriegen wir die Kurve?**

**Mojib Latif**

GEOMAR Helmholtz Centre for Ocean Research, Kiel
FRIDAY, OCTOBER 11, 2019

9:00 a.m. Introduction
Auditorium

9:15 a.m. PARALLEL SESSIONS
Workshop Rooms
Research Question III – Knowledge Needed
(continued)
Research & Action Agenda

10:45 a.m. Coffee Break

11:15 a.m. Reporting Session 1–5 & Discussion
Auditorium
Research Question III – Knowledge Needed
Moderator: Marie-Luise Beck
Rapporteurs Session 1–5

12:30 p.m. Panel Discussion
Auditorium
Moderator: Marie-Luise Beck

1:30 p.m. Lunch
Ballroom

3:00 p.m. Synthesis for Research & Action Agenda
Auditorium

3:45 p.m. Closing Remarks and Adjourn

ORGANIZERS

MARKUS REICHSTEIN
Max-Planck-Institute for Biogeochemistry, Jena

MOJIB LATIF
GEOMAR Helmholtz Centre for Ocean Research, Kiel

PETRA MAHRENHOLZ
German Environment Agency, Dessau

KATRIN REHDAZ
Environmental and Resource Economics, Kiel University

JÜRGEN SCHEFFRAN
Department of Geosciences, University of Hamburg

GERRIT JASPER SCHENK
History of the Middle Ages, Technische Universität Darmstadt

INSTITUTIONS

Max Planck-Institut für Biogeochemie

GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel

KomPass
Kiel University

Christian-Albrechts-Universität zu Kiel

Universität Hamburg

Technische Universität Darmstadt

VolkswagenStiftung

Xplanatorium
HERRENHAUSEN