

Agenda

Thursday, 4th October 2018

- 8:00 – 9:00 Registration
- 9:00 – 9:15 Welcome and opening by Axel Bronstert (Chair of the RTG NatRiskChange),
Lecture Hall H04
- 9:15 – 9:30 Welcome and opening by Oliver Günther (President of UP)
- 9:30 – 10:15 **Keynote Speech “Changing systems” by Prof. Dr. Hans Joachim Schellnhuber**
(Potsdam Institute for Climate Impact Research (PIK) Potsdam), Moderation:
A. Bronstert
- 10:15 – 10:45 Coffee break
- 10:45 – 12:45 Parallel sessions

	Session 1: „Floods and Droughts“ (Convener: H. Kreibich) Lecture Hall H02	Session 2: „Geophysical Hazards“ (Convener: F. Cotton) Lecture Hall H01
10:45-11:05	Increasing severity of floods associated with changing climate in the coastal megacities of India (S.N. Krishnapillai)	A Physics-Based PSHA Conceptual Workflow for Low-Strain Areas (M.J. Ziebarth)
11:05-11:25	Flood risk (d)evolution: disentangling key drivers of flood risk change with a retro-model experiment (M. Mosimann)	Learning more to predict landslides in different scales (Regional to local) (U. Ozturk)
11:25-11:45	From Fire to Frosts to Floods, and from Droughts to Diseases to Discomfort: Prognoses into the Future of Climate Drivers in an Already Climate Stressed South Africa (R. Schulze (invited))	Sinkhole characterization with supplementing geophysical methods – the joint project SIMULTAN (Ch. Krawczyk)
11:45-12:05	The influence of transient flood risk factor on the expectation of loss (K. Piroth)	A regionalized strain-rate based seismicity model for subduction zones (J.A.B. Viveros)
12:05-12:25	Development of Droughts in Brazil in the last years (E.S.P.R. Martins (invited))	Coupling Empirical and Simulation-based Ground Motion Model (H. Razafindrakoto)
12:25-12:45	Flash-Floods: more often, more severe, more damaging? An analysis of hydro-geo-environmental conditions and anthropogenic impacts (A. Bronstert)	Variabilities and Uncertainties in Seismic Ground-Motion Prediction: Implications on Seismic Hazard Assessment (S.R. Kotha)

12:45 – 14:00 Lunch - Discussion and Poster Session

14:00 – 14:45 **Keynote Speech “Linking hazard and vulnerability” by Prof. Dr. Jeroen Aerts**
(VU Amsterdam, Institute for Environmental Studies), Moderation: A. Thieken;
Lecture Hall H04

14:45 – 16:00 Poster Session (incl. coffee break)

16:00 – 18:00 Parallel sessions „Linking Hazard and Vulnerability“ and „Modelling and Data“

	Session 3: „Linking Hazard and Vulnerability“ (Convener: A. Walz) Lecture Hall H02	Session 4: „Modelling and Data“ (Convener: G. Zöller) Lecture Hall H01
16:00-16:20	Adaptability as a strategy to manage natural hazards in an uncertain future (D. Straub)	EMRA: A Decision support system for monitoring, warning and risk assessment of weather extremes for agriculture (Th. Ulbrich)
16:20-16:40	Efficiency of flood protection measures (W. Kron)	Sub-hourly extreme rainfall scenarios (following Clausius-Clapeyron) (G. Bürger)
16:40-17:00	Translating flood disasters into the future – a storyline approach to build flood resilience (J. Sillmann)	Damage estimation for hydro-meteorological hazards at seamless spatial scales (T. Sieg)
17:00-17:20	Human influence and response to socio-natural hazards (G. Baldassarre)	Basic European Assets Map, a Copernicus Service addressing cross border activities (A. Assmann)
17:20-17:40	What approaches and data are needed to better understand trends in drought and flood impacts? (H. Kreibich)	Forecasting Weather Related Fire Brigade Operations by linking meteorological forecasts with vulnerability indicators 54 (M. Göber)
17:40-18:00	The 1968 floods in South-East of the United Kingdom: A 50 Year Retrospective (H. Rodda)	Improving hazard communication using online map services and interactive visualization approaches: experiences from cooperation with administration partners in Saxony (Germany), Argentina and Colombia (A. Bergner)

18:00 End of Plenary

19:00 Conference Dinner

Friday, 5th October 2018

- 09:00 – 09:45 **Keynote Speech “Data Science” by Prof. Dr. Matthias Holschneider**
(University of Potsdam, Institute of Mathematics), Moderation: F. Scherbaum;
Lecture Hall H02
- 09:45 – 10:00 **DKKV Award „preparedness 2030“**, Moderation: F. Scherbaum
- 10:00 – 10:30 Coffee break
- 10:30 – 12:30 Parallel sessions „Exposure and Risk Management“ and „Data Science and Information Systems“

	Session 5: „Exposure and Risk Management“ incl. awardee (Convener: A. Thieken) Lecture Hall H02	Session 6: „Data Science and Information Systems“ (Convener: K. Vogel) Lecture Hall H01
10:45-11:05	DKKV awardee	Developing Machine Learning Approaches for the Seismological data in Northern Chile (J. Bedford)
11:05-11:25	Climate impact simulations indicate that historical warming has at least tripled global population annually exposed to extreme events (S. Lange)	Why omnipresent input data flaws may hamper a dynamic perspective in data-driven landslide susceptibility modelling (S. Steger)
11:25-11:45	ESPRESSO – Enhancing synergies for disaster prevention in the European Union (L. Schüller)	Probabilistic multi-variate framework for reliable pluvial flood loss estimation (V. Rözer)
11:45-12:05	Demographic Change and Natural Hazard Risk Management - a disregarded link? On overview of policy perspectives from Austria (L. Löschner)	Unchanged frequency of Himalayan glacial lake outburst floods since the late 1980s (G. Veh)
12:05-12:25	Systemic Risks – Concepts and Suggestions for Risk Governance (P-J. Schweizer)	Country-scale survey of anthropogenic hazard using Sentinel-1 big data (M.H. Haghighi)
12:25-12:45	Assessing sea level rise risks in changing coastal environments: a national assessment supporting disasters management and climate change adaptation (S. Torresan)	Change-point detection for seismicity parameter (B. Fiedler)

- 12:30 – 13:30 Lunch
- 13:30 – 14:30 Poster Session (incl. coffee)

14:30 – 15:15 Keynote Speech “Cascade and Multi-Hazard” by Prof. Dr. Jakob Rhyner
(United Nations University, Institute for Environment and Human Security),

Moderation: O. Korup; Lecture Hall H02

15:15 – 16:15 Session „Cascade and Multi-Hazard”

	Session 7: „Cascade and Multi-Hazard” (Convener: Prof. Dr. Oliver Korup) Lecture Hall H02
15:15-15:35	From single-hazard to multi-hazard risk assessment including the analysis of dynamic exposure and vulnerability aimed at the modelling of cascading effects (Ch. Geiß)
15:35-15:55	Perspective and limitations of Multi-Risk Assessment (M. Pittore)
15:55-16:15	Towards an event-based quantitative model for interacting hazard events (A.Tilloy)

16:15 – 17:00 Discussion and goodbye (Prof. Annegret Thieken and Prof. Axel Bronstert)

Conference Venue: Campus Griebnitzsee, House 6, ground floor

