

WRHC 2021 Virtual Conference Center

Please click on the event of your choice to join (all Cisco-Webex; Come Together: WonderMe, Tours: Zoom)

Tuesday · 15 June 2021

13:00 – 13:10	Opening			
13:10 – 13:30	Release and Presentation of the Water Science Alliance Strategy Paper			
13:30 – 14:10	Keynote: Flash Droughts			
14:10 – 14:45	Award Ceremony ‘Water-Monitoring Prize’ of the Ritter Foundation			
14:45 – 15:00	15 min Break (no virtual room)			
15:00 – 16:30	Session A1 Drought and Water Security		Session C1 Tipping Elements – Response to Extremes	
16:30 – 16:40	10 min Break (no virtual room)			
16:40 – 16:50	Introduction to Open Space Workshops			
16:50 – 18:00	Open Space (a) Water Futures – Research under dynamic Extremes	Open Space (b) NFDI meets Water (NFDI4Earth & NFDI4Ing)	Open Space (c) Water Science Alliance Strategy Paper	Open Space (d) Workshop for Young Career Scientists
19:00 – 20:00	Evening Event – Virtual Come Together: Introduction to WonderMe			Join directly
As from 20:00	Guided Virtual Tour to the Region's Gothic Cathedrals and the Black Forest			

Wednesday · 16 June 2021

13:00 – 13:15	Results of Open Space Workshops			
13:15 – 13:55	Keynote: Ecosystem Response to Extreme Droughts			
14:55 – 14:35	Award Ceremony ‘Water Resources Prize’ of the Rüdiger Kurt Bode Foundation			
14:35 – 14:50	15 min Break (no virtual room)			
14:50 – 16:20	Session A2 Ecosystems under Pressure		Session B1 Floods, Sediments and Pollution	
16:20 – 16:30	10 min Break (no virtual room)			
16:30 – 18:00	Session B2 Extremes in Urban Areas		Session C2 Multi-Hazard-Risks	
18:00 – 18:10	Concluding Remarks			
As from – 19:15	Guided Virtual Tour: Exhibition ‘Critical Zones’ at ZKM (Centre for Art and Media Karlsruhe)			

Detailed Conference Programme – for links to join please see page 1

Tuesday, 15 June 2021

13:00	Opening of the Conference <i>Peter Krebs, TU Dresden & Markus Weiler, University of Freiburg</i>			
13:10	Release and Presentation of the Water Science Alliance Strategy Paper <i>Florian Leese – University of Duisburg-Essen, Germany</i>			
13:30	Keynote: Flash Droughts <i>Justin Sheffield – University of Southampton, UK & Princeton Climate Institute, US</i>			
14:10	Award Ceremony for the 'Water-Monitoring Prize' of the Ritter Foundation <i>Awardees: Suzanne Jacobs & Björn Weeser, Giessen University</i>			
14:45	15 min Break			
15:00	Session A1: Drought and Water Security <i>Chair: Harald Horn, KIT</i>		Session C1: Tipping Elements – Response to Extremes <i>Chair: Markus Weiler, Univ. of Freiburg</i>	
	At Risk of Drought: Prediction Challenges from Climate to Hydrology to Impact <i>Kerstin Stahl – University of Freiburg, Germany</i>		Protecting Rivers from High Water Temperature Extremes under Global Change <i>David Hannah – University of Birmingham, UK</i>	
15:30	Drought and Variability – Coping with Risk and Uncertainty <i>Mariele Evers – University of Bonn, Germany</i>		Continental-Scale Patterns and Causes of River Flooding <i>Wouter Berghuijs – VU Amsterdam, The Netherlands</i>	
16:00	Water Scarcity in Germany: Lessons Learned after 3 Years and Perspective Options for Action <i>Christoph Donner – Harzwasserwerke GmbH, Hildesheim, Germany</i>		Response of Riverine Biota to Multiple Stressors <i>Daniel Hering – University of Duisburg-Essen, Germany</i>	
16:30	10 min Break			
16:40	Introduction to Open Space Workshops <i>Chair: Jörg Seegert, TU Dresden</i>			
16:50	Open Space (a) Water Futures – Research under Dynamic Extremes <i>H. Kosow, Univ. Stuttgart & S. Kirschke, UNU FLORES, Dresden</i>	Open Space (b) NFDI meets Water (NFDI4Earth & NFDI4Ing) <i>P. Braesicke, KIT & P. Pelz, TU Darmstadt</i>	Open Space (c) Water Science Alliance Strategy Paper <i>Florian Leese, Univ. Duisburg-Essen et al.</i>	Open Space (d) Workshop for Young Career Scientists <i>Water Research Network Baden-Württemberg</i>
19:00	Evening Event: Virtual Come Together			
20:00	Guided Virtual Tour to the Region's Gothic Cathedrals and the Black Forest <i>Nicole Clemens (further information: https://www.nicoleklemens.de/)</i>			

Wednesday, 16 June 2021

13:00	Results of the Open Space Workshops, <i>Chair: Jörg Seegert, TU Dresden</i>	
13:15	Keynote: Ecosystem Response to Extreme Droughts <i>Christiane Werner – University of Freiburg, Germany</i>	
13:55	Award Ceremony ‘Water Resources Prize’ of the Rüdiger Kurt Bode Foundation <i>Awardee: Harald Kunstmann, KIT & University of Augsburg</i>	
14:35	15 min Break	
14:50	Session A2: Ecosystems under Pressure <i>Chair: Florian Leese, Univ. Duisburg-Essen</i>	Session B1: Floods, Sediments and Pollution <i>Chair: Markus Weiler, Univ. of Freiburg</i>
	Predicting Impacts of Climate and Subsequent Hydrological Changes on Stream Organisms <i>Sonja Jähnig – Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin, Germany</i>	Changes in Hydrogeomorphic Response to Extreme Rainfall in Headwaters: Hazards & Vulnerabilities <i>Marco Borga – University of Padua, Italy</i>
15:20	Forests and Droughts – Stress Indicators in Intensive Forest Monitoring <i>Lothar Zimmermann – Bavarian State Institute of Forestry, Germany</i>	Assessment of Bedload Supply in Steep Torrents during Floods: An Instrument for Strategic Planning with Local Impact <i>Catherine Berger – Natural Hazards, Geo7, Bern, Switzerland</i>
15:50	Multiple Perspectives on Large-Scale Ecosystem Response to Drought <i>René Orth – Max Planck Institute for Biogeochemistry Jena, Germany</i>	New Insights into Rain-Driven Pesticide Dynamics with High-Temporal Resolution On-Site Measurements in Agricultural Catchments <i>Christian Stamm – eawag, Dübendorf, Switzerland</i>
16:20	10 min Break	
16:30	Session B2: Extremes in Urban Areas <i>Chair: Peter Krebs, TU Dresden</i>	Session C2: Multi-Hazard Risks <i>Chair: Ulrike Scherer, KIT</i>
	Let (Urban) Water and Data Flow <i>Peter Steen Mikkelsen – DTU, Denmark</i>	The Co-Evolution of Droughts and Heatwaves in Europe <i>Luis Samaniego – Helmholtz Centre for Environmental Research Leipzig (UFZ), Germany</i>
17:00	Attribution of Changes in Drought and Flood Damage <i>Heidi Kreibich – German Research Centre for Geosciences (GFZ), Potsdam, Germany</i>	Adaptive Behaviour of Residents across Different Weather-Related Hazards <i>Annegret Thieken – University of Potsdam, Germany</i>
17:30	Extreme Precipitation – Lessons for Urban Development and Urban Renewal <i>Jörn Birkmann – University of Stuttgart, Germany</i>	Multi-Hazards and the Assessing of Cascading Effects: Challenges and Ways Forward <i>Christian Kuhlicke – Helmholtz Centre for Environmental Research Leipzig (UFZ), Germany</i>
18:00	Concluding Remarks	
19:15	Guided Virtual Tour: Exhibition ‘Critical Zones’ at the Center for Art and Media Karlsruhe (further information: https://zkm.de/en/exhibition/2020/05/critical-zones)	