

### Intermittency in Headwater Streams – Challenges and Opportunities from an Interdisciplinary Perspective

	Wednesday, June 5		Thursday, June 6	
09:00 – 09:15		Welcome	09:00 – 09:30	Overview of day #2 and organization of working groups
09:15 – 10:15		Keynote presentation <b>Dr Ilja van Meerveld, University of Zürich.</b> 30 min presentation + 30 min discussion	09:30 – 11:00	Discussion session in small groups.
10:15 – 10:45		Coffee break	11:00 – 11:30	Coffee break
10:45 – 12:15		Poster session 1	11:30 – 13:00	Discussion session in larger groups.
12:15 – 13:15		Lunch	13:00 – 14:00	Lunch
13:15 – 14:45	13:15	<b>Daniele Penna, Department of Agriculture, Food, Environment and Forestry, University of Florence.</b>  Precipitation and soil moisture control stream network seasonal dynamics in a Mediterranean headwater catchment	14:00 – 15:45	<b>Discussion and pitching session: Exploring ways forward</b>
	13:30	<b>Sara Warix, University of Utah.</b>  Groundwater storage dynamics alter streamflow permanence	15:45 – 17:00	Closing the conference
	13:45	<b>Christian Birkel, Leibniz Institute of Freshwater Ecology and Inland Fisheries Berlin and Department of Geography and Water and Global Change Observatory, University of Costa Rica.</b>  Dynamic, non-linear stream length as a first-order control on DOC export of tropical Andean paramo ecosystems		
	14:00	<b>Mahdi Abbasi, University of Frankfurt.</b>  Predicting monthly time series of streamflow intermittence at highresolution scale over European reaches using statistical modeling		
	14:15	<b>Rodolfo Nóbrega, School of Geographical Sciences, University of Bristol.</b>  Trends in intermittency variability in tropical semi-arid rivers		
	14:30	<b>Ronan Abhervé, Centre for Hydrogeology and Geothermics (CHYN), University of Neuchâtel.</b>  Predicting headwater streamflow intermittence under future climatic conditions using a groundwater flow modeling approach		
14:45 – 15:15		Coffee break		
15:15 – 16:45		Poster session 2		
16:45 – 17:45		Keynote presentation <b>Prof Gianluca Botter, University of Padua.</b> 30 min presentation + 30 min discussion		
19:00		CONFERENCE DINNER		

**Poster presentations**

Surname	Name	Affiliation	Title
Agbenorhevi	Albert Elikplim	Department of Geography, University of Bonn	Predicting Global Change impacts on streamflow dynamics using ECH2O-iso model in a data-scarce nested tropical catchment in West Africa
Aremu	Emmanuel	University of Abomey-Calavi, Cotonou, Benin	Examining Variations in Inflow Patterns for Cascaded Reservoirs within the Niger River Basin: A Case Study of Kainji and Jebba Dams in Nigeria, West Africa.
Caviedes Voullieme	Daniel	Simulation and Data Lab. Terrestrial Systems, Forschungszentrum Jülich	Exploring longitudinal and lateral surface flow connectivity and hydrodynamic hierarchy of small catchments with hyper-resolution 2D shallow water modelling
Gilfedder	Benjamin	Limnologic Research Station and Department of Hydrology	Spatial and temporal information central for understanding the location, sensitivity and sustainability of groundwater dependent ecosystems (GDEs): A example using longitudinal and temporally resolved Radon measurements on Deep Creek, Australia
Glaser	Daniel	Chair of Hydrology, University of Freiburg	Mixed field methods help capture spatial variation in surface-groundwater interaction
Glaser	Clarissa	Department of Geography, University of Bonn	Where is the water stored in a stream reach, and does this storage matter for stream intermittency?
Innocente dos Santos	Camyla	Federal University of Santa Catarina	Influence of geology on stream network dynamics: Insights from an integrated surface-subsurface hydrological modelling
Kansal	Abhinav	The University of British Columbia, Vancouver, BC, Canada	Region-Specific Economic Impacts of Extreme Weather Events
Klaus	Julian	Department of Geography, University of Bonn	The role of intermittency on streamflow generation
Klein	Lutz	Department of Geography, University of Bonn	Soil and plant water ages in two Pinus radiata forests with markedly different annual precipitation amounts
Kouyate	Fousseini	WASCAL Benin & Institute of Geo-Hydroinformatics - Hamburg University of Technology	Developing Machine Learning Models for Enhanced Prediction of Water Levels at the Outlet of the Bani River
Landgraf	Jessica	Bundesanstalt für Gewässerkunde	Do tritium and organic micropollutants tell the same tale about surface-groundwater interaction?
Martínez-Carreras	Núria	Luxembourg Institute of Science and	Suspended sediment mobilization in intermittent headwater streams

		Technology (LIST), Environmental Research and Innovation department (ERIN)	
Menzel	Lucas	Professorship in Hydrology and Climatology, Institute of Geography, Heidelberg University	Hydrological dynamics of small streams and impacts from a raised bog in the headwaters of the northern Black Forest
Scheller	Mirjam	Department of Geography, University of Zurich	Combining citizen science data and the hierarchical structure of temporary streams to reconstruct the patterns of channel wetting and drying across a forested hill near Zurich
Soltani	Samirasadat	Institute of Bio- and Geosciences; Agrosphere, Forschungszentrum Jülich	Probabilistic Assessment of Real-Time Flood Forecasting through Assimilation of Remote Sensing Soil Moisture data into an Integrated Terrestrial Model
White	James	University of Birmingham	Conceptualizing water temperature dynamics in temporary rivers
Yangouliba	Gnibga Issoufou	West African Science Service Centre on Climate Change and Adapted Land Use	Future Hydropower Generation under climate Change Scenarios: A case study of the Bagré reservoir
Yao	Li	Helmholtz-Zentrum für Umweltforschung GmbH-UFZ	How droughts can affect river network and groundwater dynamics in a central Germany lowland river catchment

### Conference venue

Conference Venue for June, 5 (oral and poster presentations) is the "Alte Sternwarte" (University of Bonn): Poppelsdorfer Allee 47, 53115 Bonn

The icebreaker event will take place at the "botanical gardens" in Bonn: Meckenheimer Allee 169, 53115 Bonn:

