

## Programme

Wednesday, 25 April 2018

Opening		
10:00	<a href="#">Anne Robertson</a> (host of the EHF)	Welcoming address
10:05	<a href="#">Jörg Lewandowski</a> (coordinator of ITN HypoTRAIN)	Introduction/overview on ITN Hypotrain
Keynote 1		
10:15	<a href="#">John Iwan Jones</a>	Managing the impact of fine sediment on river ecosystems
11:00	Coffee break	
Session 1a - Hydrology of hyporheic zones		
11:30	<a href="#">Andrea Betterle</a>	Hydrologic drivers of streamflow correlation and spatial patterns of flow regimes
11:50	<a href="#">Tanu Singh</a>	Differential heat propagation in ripples, dunes and riffle-pool bedforms and its impact on hyporheic exchange flows
12:10	<a href="#">Andrea Popp</a>	Physical and biogeochemical response of groundwater to flood events
12:30	<a href="#">Jaime Goana</a>	Geophysical exploration as support for the spatial interpretation of groundwater-stream water exchanges observed by point and distributed techniques in heterogeneous streambeds
12:50	Lunch	
Session 2a - Biogeochemistry in the hyporheic zone		
14:00	<a href="#">Cyrus Rutere</a>	Microbial removal of organic micropollutants in the hyporheic zone
14:20	<a href="#">Anna Jäger</a>	What rules a river's self-cleaning dynamics: hydrology or microbiology? – Insights from a mesocosm experiment
14:40	<a href="#">Jonas Mechelke</a>	Enantiomeric Fractionation – an indicator of biotransformation during a water-sediment flume study
15:00	<a href="#">Claudia Coll</a>	OECD 308 tests to explore differences in persistence of pharmaceuticals and microbial diversity between two rivers
15:20	Coffee	



**Thursday, 26 April 2018**

Keynote 2		
10:00	<a href="#">Fulvio Boano</a>	The turbulence constraint OR How much nitrate can a stream remove?
10:45	Coffee break	
Session 1b - Hydrology of hyporheic zones		
11:30	<a href="#">Hans-Jürgen Hahn</a>	The Kolmometer - a new method for the quantitative measurement of colmation in the hyporheic zone
11:50	<a href="#">Liwen Wu</a>	Exploring the role of transient flood pulses on bedform-induced exchange under gaining and losing conditions
12:10	<a href="#">Brian Mojarrad</a>	Effect of regional groundwater flow on local hyporheic fluxes
12:30	<a href="#">Hans-Jürgen Hahn</a>	StygoTracing - a new biological tracing method for underground waters
12:50	<a href="#">Mohaddeseh Mousavi Nezhad</a>	Non-Darcy inertial fluid flow in heterogeneous porous media
13:10	Lunch	
Session 3 - Hyporheic Zone Ecology		
14:00	<a href="#">Sheelajini Paramjothy</a>	Investigating conditions of the rhizosphere in a suburban river in response to WWTP effluent unloading
14:20	<a href="#">Ignacio Peralta-Maraver</a>	Mechanistic understanding of an ecosystem service: Efficiency of emergent pollutant biodegradation in the hyporheic zone
14:40	<a href="#">Chiara Magliozzi</a>	Assessing changes in invertebrates traits: the effect of large wood
15:00	<a href="#">David Scheidweiler</a>	Unveiling biofilm architectural differentiation in sedimentary environments
15:20	Coffee	
16:00	HypoTRAIN management meeting (internal)	
19:00	Conference Dinner	



**Friday, 27 April 2018**

Keynote 3		
10:00	<a href="#">Julia Knapp</a>	The Resazurin-Resorufin 'smart' tracer technique: One decade of hydrologic applications
10:45	Coffee break	
Session 2b - Biogeochemistry in the hyporheic zone		
11:30	<a href="#">Muhammad Raza</a>	Sorption of micropollutants to soil and biofilm
11:50	<a href="#">Malte Posselt</a>	Transformation of the antidiabetic drug metformin in mesocosm and river systems
12:10	<a href="#">Jason Galloway</a>	The effect of unsteady streamflow on oxygen consumption in a sandy streambed under varying vertical flux conditions
12:30	<a href="#">Alice Caruso</a>	Effect of bioclogging on hyporheic biogeochemistry in river dunes
End of event		
12:50	<a href="#">Anne Robertson</a> (host of the EHF)	Closing remarks
13:00	Lunch	

