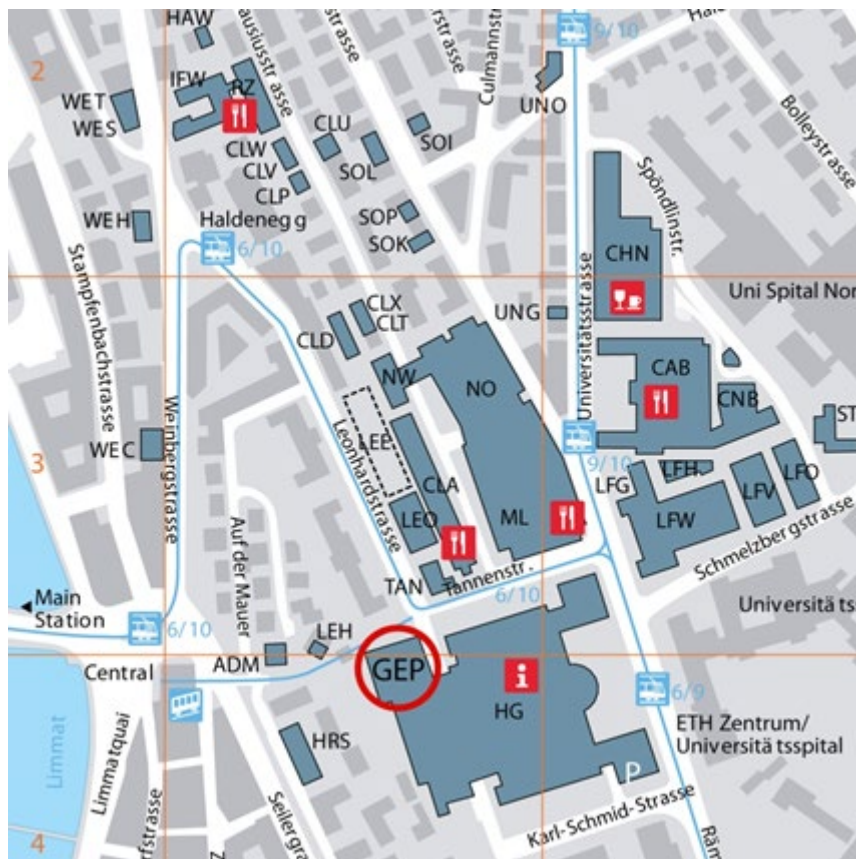


# Zhydro day 2019

Wednesday, November 20, 2019

ETH Center MM C 78.1 (GEP Pavilion)



## SCHEDULE

### ZHYDRO Seminar day 2019 – November 20<sup>th</sup> GEP pavilion ETH Zürich

Time	Title	Presenter
<b><i>Introduction</i></b>		
08:30	Welcome address	Dani Or
08:35	Poster headlines	Peter Lehmann
<b><i>Surface Energy balance and evaporation</i></b>		
08:45	In-situ measurements of soil moisture and evapotranspiration in Europe	Dominik Michel
09:00	How many small reservoirs are there? A survey of local water storage and associated evaporative losses in semi-arid regions	Bassem Mady
09:15	Canopy structure controls on energy fluxes to the forest snowpack: observations and modelling	Giulia Mazzotti
09:45	Improving the representation of snow cover in a kilometre-scale climate model by considering topographic effects on surface radiation	Christian Steger
10:00	Coffee break	
<b><i>Big data in hydrologic and climate modeling</i></b>		
10:30	State-of-the-art global terrain datasets and their application in hydrological modeling	Tom Hengl
11:00	High-resolution ecohydrological modeling of the European Alps	Simone Fatichi
11:30	Causes of future mediterranean precipitation decline depend on the season	Roman Brogli
11:45	Mining observations and climate models for detecting and attributing anthropogenic climate change in the worlds water cycle	Lukas Gudmundsson
12:15	Lunch break	
<b><i>Mixing processes</i></b>		
13:30	Solute transport and mixing in soils: 2D and 3D approaches for unraveling dynamic processes	Andres Velasquez-Parra
13:45	What pesticide legislation forgot about: Pesticide transport through hydraulic shortcuts	Urs Schönenberger
14:00	Herbicide transport modelling in an agricultural headwater catchment in the Swiss Plateau	Lorenz Ammann
14:15	Spatial variability in shallow groundwater chemistry: informative but also a source of uncertainty	Leonie Kiewiet
14:45	Spatial patterns of end-members mixing across Alpine catchments	Marius Floriancic
15:00	Coffee break	
<b><i>Hydrological modelling</i></b>		
15:30	Seasonal partitioning of precipitation between streamflow and evapotranspiration, inferred from end-member splitting analysis	James Kirchner
15:45	Geomorphological controls on stream baseflow recession	Clement Roques
16:15	SuperflexPy: a new open source framework for building conceptual hydrological models	Marco Dal Molin
16:30	One well is not enough! Saltwater intrusion into US coastal aquifers	Hansjoerg Seybold
16:45	Outlook 2020	Peter Lehmann