

Vienna Catchment Science Symposium, Saturday 13th April, 2019

On the Theme of: Regional process hydrology

10th Anniversary Symposium

Process hydrology has usually been done to understand phenomena at small (hillslope) scales based on field work, but phenomena happen, and can be profitably studied, at all scales. There are very important and interesting hydrological phenomena that happen at regional scales such as regional flooding patterns, drought propagation driven by teleconnections and regional aquifers interacting with the land surface to produce wetlands. Understanding phenomena from a regional process perspective is beneficial for addressing many regional societal problems and for advancing hydrology in its own right, given that hydrology is the science of water at all scales. The aim of this symposium is to learn about regional scale processes through data analyses, modelling and data-modelling synthesis.

<u>Time</u>	<u>Session</u>	<u>Location</u>
8:30	Tea, coffee, pastries and greetings	Festsaal
8:45	Welcome and Introduction Günter Blöschl, Vienna University of Technology, Austria	Böcklsaal
9:00	Regionalization of hydrologic and geomorphic understanding Tom Dunne, University of California, Santa Barbara	Böcklsaal
10:10	Tea and coffee	Festsaal
10:45	Regional patterns and processes of groundwater influenced ecosystems Ying Fan Reinfelder, Rutgers University, NJ	Böcklsaal
11:55	Short break	
12:00	Regional patterns and processes of floods Bruno Merz, German Research Centre for Geosciences, Potsdam	Böcklsaal
13:10	Lunch	Festsaal
14:15	Small group discussion sessions Group 1: <i>Methods of identifying regional hydrological processes</i> Aim: to brainstorm the methods (data, models, frameworks) required to explore hydrological phenomena at all scales, including regional scales Moderator: Ying Fan Reinfelder Group 2: <i>What are the regional hydrological processes of interest?</i> Aim: to brainstorm what processes and phenomena are meaningful to be analysed at the regional scale, and what hypotheses should be addressed Moderator: Bruno Merz	 Böcklsaal Festsaal
16:00	Tea and coffee	Festsaal
16:30	Plenary: Exchange of group findings	Böcklsaal
17:30	Evening drinks reception followed by dinner	Festsaal

Location: Böcklsaal, TU Wien. Karlsplatz 13, 1st floor, 1040 Vienna

