Vienna Catchment Science Symposium, Saturday 23rd April, 2016

On the Theme of:

Hypothesis testing in experimental catchments

A scientific hypothesis is a proposed explanation for a phenomenon that can be tested, usually involving (a) falsifiability, i.e. counterexamples are logically possible, and (b) repeatability, i.e. they can be reproduced by other researchers. The aim of this symposium is to discuss how the problem of water movement in research catchments can be framed in a way that allows the testing of hypotheses and, ideally, generalisation to other locations.

Time	Session	Location
8:30	Tea, coffee, pastries and greetings	3rd Floor Foyer
8:45	**Welcome and Introduction** Günter Blöschl, Vienna University of Technology, Austria	Kuppelsaal
9:00	**Observational evidence of catchment state transition** Christoph Hinz, Brandenburg Technical University of Cottbus-Senftenberg, Germany	Kuppelsaal
10:15	Tea and coffee	3rd Floor Foyer
10:45	**Hypothesis testing in the Hydrological Open Air Laboratory (HOAL)** Günter Blöschl, Vienna University of Technology, Austria	Kuppelsaal
11:55	Short break	
12:00	**Lessons learned on catchment sensitivity to climate and land use change through stepwise hypothesis testing** Laurent Pfister, Luxembourg Institute of Science and Technology	Kuppelsaal
13:15	Lunch	3rd Floor Foyer
14:15	**Small group discussion sessions**	
	Group 1: *Falsifiability of hypotheses* Aim: to brainstorm the design of experiments in research catchments that allow efficient falsification of hypotheses regarding hydrological processes Moderator: Christoph Hinz	Kuppelsaal
	Group 2: *Repeatability and generalisation of hypotheses* Aim: to brainstorm how to conduct experiments and monitoring that allow replication and generalisation of hypotheses to other locations Moderator: Hannes Flühler	Seminarraum Kuppel (follow signs)
16:00	Tea and coffee	3rd Floor Foyer
16:30	**Plenum: Exchange of group findings**	Kuppelsaal
18:00	Evening drinks reception followed by dinner	3rd Floor Foyer

Please note change of location: Kuppelsaal, TU Wien. Karlsplatz 13, 4th floor, 1040 Vienna