Vienna Catchment Science Symposium, Saturday 29th April, 2017

On the Theme of:

Explaining phenomena through models of different complexity

Most natural sciences aim at understanding natural phenomena through combining observations and model testing. The aim of this symposium is to learn from sister sciences as diverse as oceanography, biomechanics and tectonics, contrasting their approaches with those used in hydrology, and discuss a generic approach potentially applicable to catchment hydrology. The starting point are observed phenomena, which are then elucidated through models. Model complexity thus becomes a subordinate issue to what the real goal is - understanding the phenomena.

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	**Explaining ocean phenomena through models of different complexity: the case of the deep convection in the Labrador Sea** Bernard Barnier, Institut des Géosciences de l'Environnement, Grenoble, France	Kuppelsaal
10:15	Tea and coffee	3rd Floor Foyer
10:45	**Explaining biomechanical phenomena through models of different complexity** Christian Hellmich, Vienna University of Technology, Austria	Kuppelsaal
11:55	Short break	
12:00	**From observations to decisions in the aftermath of the 2010, Haiti, earthquake: complexity at the heart** Eric Calais, École Normale Supérieure, Paris, France	Kuppelsaal
13:15	Lunch	3rd Floor Foyer
14:15	**Small group discussion sessions**	
	Group 1: *A universal approach to explaining phenomena?* Aim: to brainstorm the steps required to explore observed phenomena through models – contrasting current approaches in catchment hydrology with those in sister disciplines Moderator: NN	Kuppelsaal
	Group 2: *Complementarity of models of different complexity* Aim: to brainstorm what can be gained by exploring observed phenomena through both simpler and more complex models - lessons for hydrology Moderator: NN	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

Location: Kuppelsaal, TU Wien. Karlsplatz 13, 4th floor, 1040 Vienna

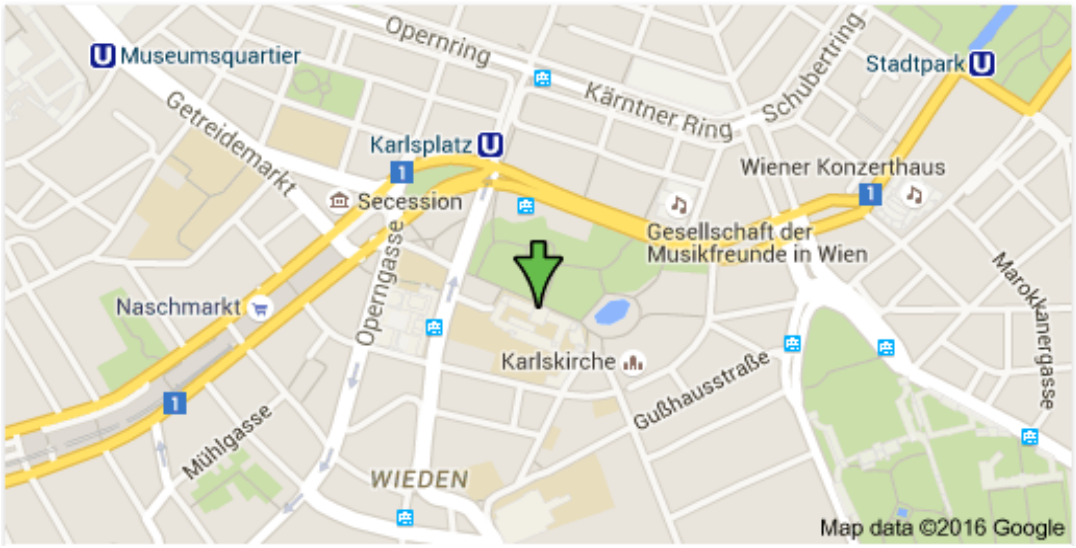
How to reach Karlsplatz 13, Vienna University of Technology, 1040, Vienna

Karlsplatz 13 is located very close to the metro (U-Bahn) station "Karlsplatz" (U-Bahn lines U1, U2, U4).

On leaving Karlsplatz station, follow the signs to Resselpark. Karlsplatz 13 is located directly across the park (2-3 minutes walk from the U-Bahn exit).

The Vienna Catchment Science Symposium will take place in the Kuppelsaal. This is located on the 4th floor. Please use the elevator located at the main entrance of Karlsplatz 13. Tea and coffee will be available from 8:30 am on the 3rd floor, directly by the elevator.

Maps showing location of Karlsplatz 13:



We look forward to seeing you in Vienna!