Vienna Catchment Science Symposium, Saturday 20th April, 2024

On the Theme of: Outrageous hypotheses in hydrology

11th Symposium

One of the findings of the Unsolved Problems in Hydrology (UPH) initiative of IAHS, EGU-HS, AGU-HS and the IAH was the need for more discovery science and outrageous hypotheses in hydrology. In 1926, geologist William Davis exhorted his fellow scientists thus: 'Our younger members may perhaps experience a feeling of disappointment, or even of discouragement at the unanimity with which the conclusions of an elder are received by a geological audience. But to make progress, violence must be done to many of our accepted principles'. In this spirit, the aim of this symposium is to discuss new, controversial ideas about how the water cycle works to stimulate more high-risk/high-gain initiatives in hydrology.

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	Outrageous hypothesis: Small nudges of energy may allow atmospheric rivers to be steered at will Upmanu Lall, Columbia University, USA	Kuppelsaal
10:10	Tea and coffee	3rd Floor Foyer
10:45	Outrageous Hypothesis: Subsurface nitrogen legacies are real and delay water quality improvement Nandita Basu, University of Waterloo, Canada	Kuppelsaal
11:55	Short break	
12:00	Outrageous hypothesis: spatial variability of floods can be inferred from droughts Pedro Chaffe, Universidade Federal de Santa Catarina, Brazil	Kuppelsaal
13:10	Lunch	3rd Floor Foyer
14:15	Small group discussion sessions	
	Group 1: *A compilation of outrageous hypotheses in hydrology* Aim: to brainstorm what processes and phenomena would lend themselves to novel hypotheses and what hypotheses should be addressed Moderator: NN	Kuppelsaal
	Group 2: *Methods for testing outrageous hypotheses in hydrology* Aim: to brainstorm the methods (data, models, frameworks) required to explore outrageous at all scales, including regional scales Moderator: NN	Seminar room Kuppel (4th floor)
16:00	Tea and coffee	3rd Floor Foyer
16:30	**Plenary: Exchange of group findings**	Kuppelsaal
17:30	Evening drinks reception followed by dinner	3rd Floor Foyer

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

To make arrangements we need to know who will attend. Please sign up no later than April 1st by sending an email to office@waterresources.at

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!

Note: Because of COVID, no symposium was held in 2020-2023.