

# Vienna Catchment Science Symposium, Saturday 3<sup>rd</sup> May, 2025

## On the Theme of: Hydrological Scaling Revisited

12<sup>th</sup> Symposium

**Hydrological observations and process studies are usually conducted at small spatial scales, while water management decisions, and the models that support them, are needed at larger, landscape scales. The methodological challenge of bridging this scale gap has attracted a lot of research in the 1980s and 1990s, but has received less attention in recent years, even though the issue persists. The aim of this symposium is to explore the conceptual foundations of the topic in light of recent advances in measurement and modelling approaches, and to identify potential directions for future research on addressing the scaling problem.**

<u>Time</u>	<u>Session</u>	<u>Location</u>
8:30	Tea, coffee, pastries and greetings	Prechtlsaal
8:45	Welcome and Introduction Günter Blöschl	Prechtlsaal
9:00	Hydrological scaling: Taking stock and looking ahead Günter Blöschl, TU Wien, Austria, University of Bologna, Italy	Prechtlsaal
10:10	Tea and coffee	Prechtlsaal
10:45	Structure and organization as scaffolds for upscaling Sally Thompson, University of Western Australia	Prechtlsaal
11:55	Short break	Prechtlsaal
12:00	Novel scaling approaches in physically based models Harrie-Jan Hendricks Franssen, Forschungszentrum Jülich, Germany	Prechtlsaal
13:10	Lunch	Prechtlsaal
14:15	Small group discussion sessions  Group 1: <i>Towards a general scaling framework of rainfall-runoff processes</i> Aim: to brainstorm what universal conceptualisations could contribute to a scaling framework of model equations and parameters that link local, hillslope and catchments scales Moderator: NN	Prechtlsaal
	Group 2: <i>Framing the testing of scaling relationships</i> Aim: to brainstorm the methods (data, models, frameworks) required to explore whether hydrological scaling relationships are suitable for transferring information across spatial scales. Moderator: NN	Seminar room AD0309 (3rd floor)
16:00	Tea and coffee	Prechtlsaal
16:30	<b>Plenary: Exchange of group findings</b>	Prechtlsaal
17:30	Evening drinks reception followed by dinner	Prechtlsaal

Location: Prechtlsaal, TU Wien. Karlsplatz 13, ground floor, 1040 Vienna

To make arrangements we need to know who will attend. Please sign up no later than April 11 by completing this form: <https://forms.gle/mTs3rcHyqqMM2GiWA>

### 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 Prechtlsaal. This is located on the ground floor. Tea and coffee will be available from 8:30 am in the Prechtlsaal (small room) on the ground floor.

Maps showing location of Karlsplatz 13:



We look forward to seeing you in Vienna!