

GEFÖRDERT VOM



Bundesministerium
für Bildung
und Forschung



Conference Brochure

LURCH Summer School 2025

07.05 - 09.05.2025

Academy Centre TUM Raitenhaslach



Welcome to the LURCH Summer School 2025

Dear Participants,

We are excited to welcome you to the LURCH Summer School from May 7 to May 9, 2025.

The Summer School will take place at Kloster Raitenhaslach, which is in a remote location. We recommend arriving with institutional buses if possible. If you require transportation or can offer a ride, please fill out the attached [carpooling survey](#) to help coordinate travel arrangements.

If you are presenting a poster, please email your final version (in landscape format, not upright!) to us (sarah.fieger@dechema.de) **by April 23, 2025**, so we can include it in the conference booklet. Make sure the font size is large enough for readability (A4 format). Additionally, please bring a printed A0 version with you. During the poster pitch session, each presenter will have two minutes to introduce their work, followed by a dedicated poster discussion session in the evening.

For those giving an oral presentation, please bring your slides on a USB stick. Each talk is scheduled for 20 minutes, followed by 10 minutes of discussion—please plan accordingly.

Catering will be provided on Days 2 and 3, and the excursion on Day 2 is included in the program. However, travel and accommodation costs must be reimbursed through your institution or project. Please also note that breakfast is self-organized during your stay.

Join our [Summer School Whatsapp Group](#) to stay in touch!

If you have any questions, feel free to reach out to sarah.fieger@dechema.de.

We look forward to seeing you soon!

Best regards,

The Summer School Organizing Team

Program

Day 1: Mi, 07.05.25: Arrival

Day 2: Do, 08.05.25

09:00	09:05	Welcome: Florian Einsiedl (TUM), Sarah Fieger (DECHEMA, Frankfurt)
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Groundwater Quality: PFAS and Denitrification

Moderation: Aixala Gaillard (FAU Erlangen), Sarah Fieger (DECHEMA, Frankfurt)

09:05	09:35	Investigation of the transformation products formed during thermal desorption of PFAS (Anna Burkhardt, University of Stuttgart)
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09:35	10:05	Field Application of Activated Carbon for PFAS Immobilization in Agricultural Soil (Hue Nguyen, University of Stuttgart)
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10:05	10:35	Promoting autotrophic denitrification in shallow porous aquifers for drinking water production (Felix Pfaff, University of Bayreuth)
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10:35	11:05	In-situ treatment of nitrate polluted groundwater by chemoautotrophic denitrification: flow-through tank experiments with methane as electron donor (Adrian Seeholzer, TUM)
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11:05	11:40	Break
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Groundwater Quantity

Moderation: Felix Pfaff (Uni Bayreuth), Adrian Seeholzer (TUM)

11:40	12:10	Keynote 1: Co-management of floods and droughts - an adaptation strategy for climate change? (Thomas Baumann, TUM)
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12:10	12:40	Long-term monitoring of surface-groundwater-interaction at three rivers in the south of the Upper Rhine Plain (Daniel Glaser, University of Freiburg)
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12:40	13:10	Combining Climate Projections, Recharge Modeling, and Statistical Forecasts to Assess the Future State of Regional Water Resources and Their Sustainable Use (Frederick Höckh, University of Tübingen)
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13:10	13:30	Lunch
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13:30	17:00	Excursion to Burghausen Castle. Platte departs at 13:30
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17:00	18:15	Break
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18:15	18:45	Poster Pitches Moderation: Jessica Landgraf (BfG - Federal Institute of Hydrology)
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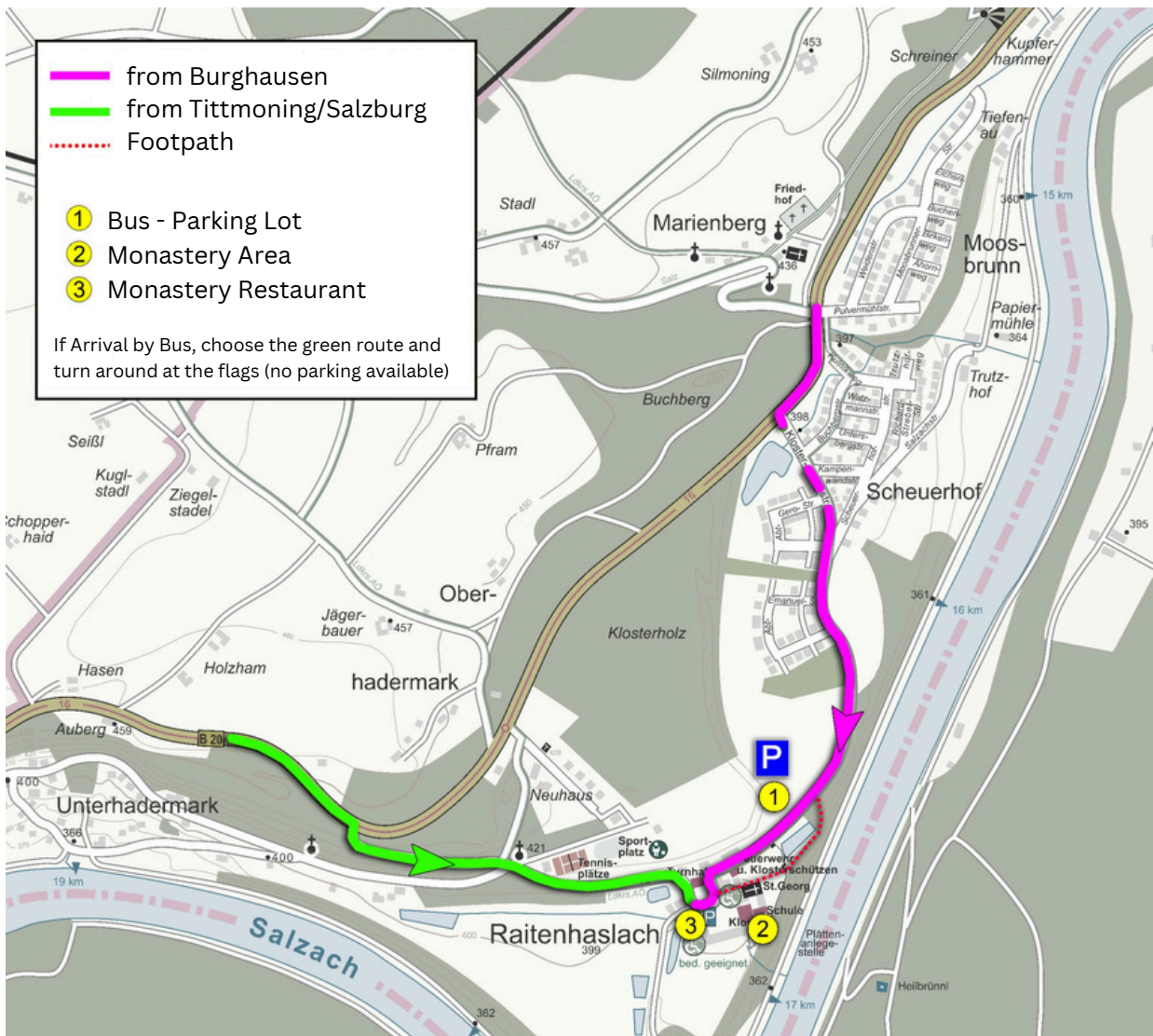
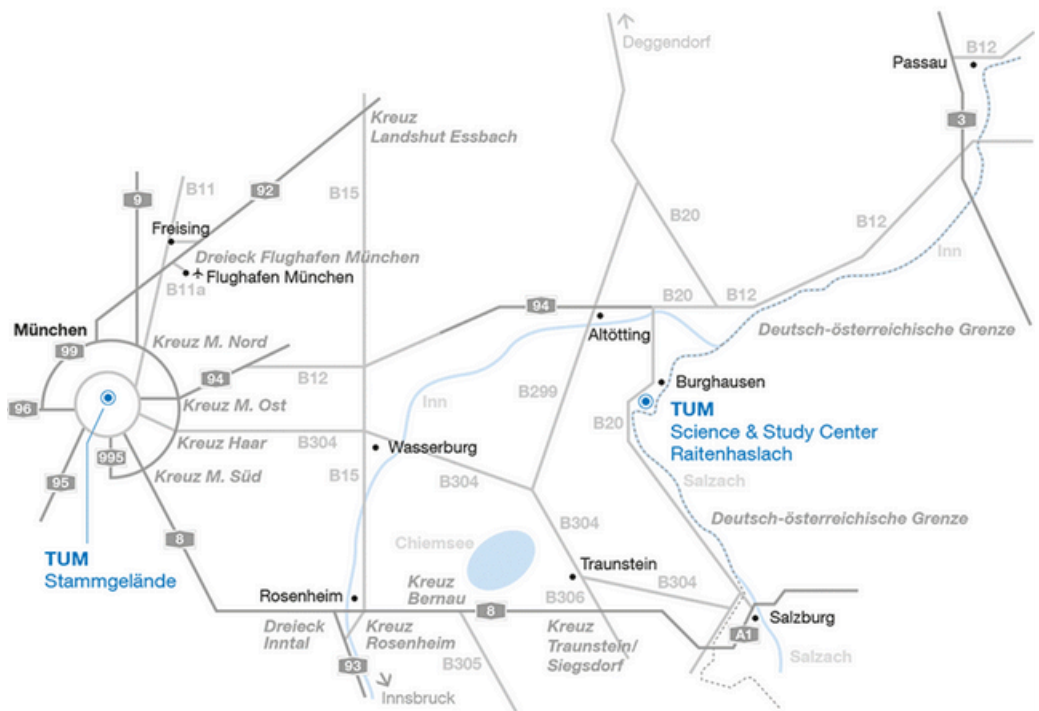
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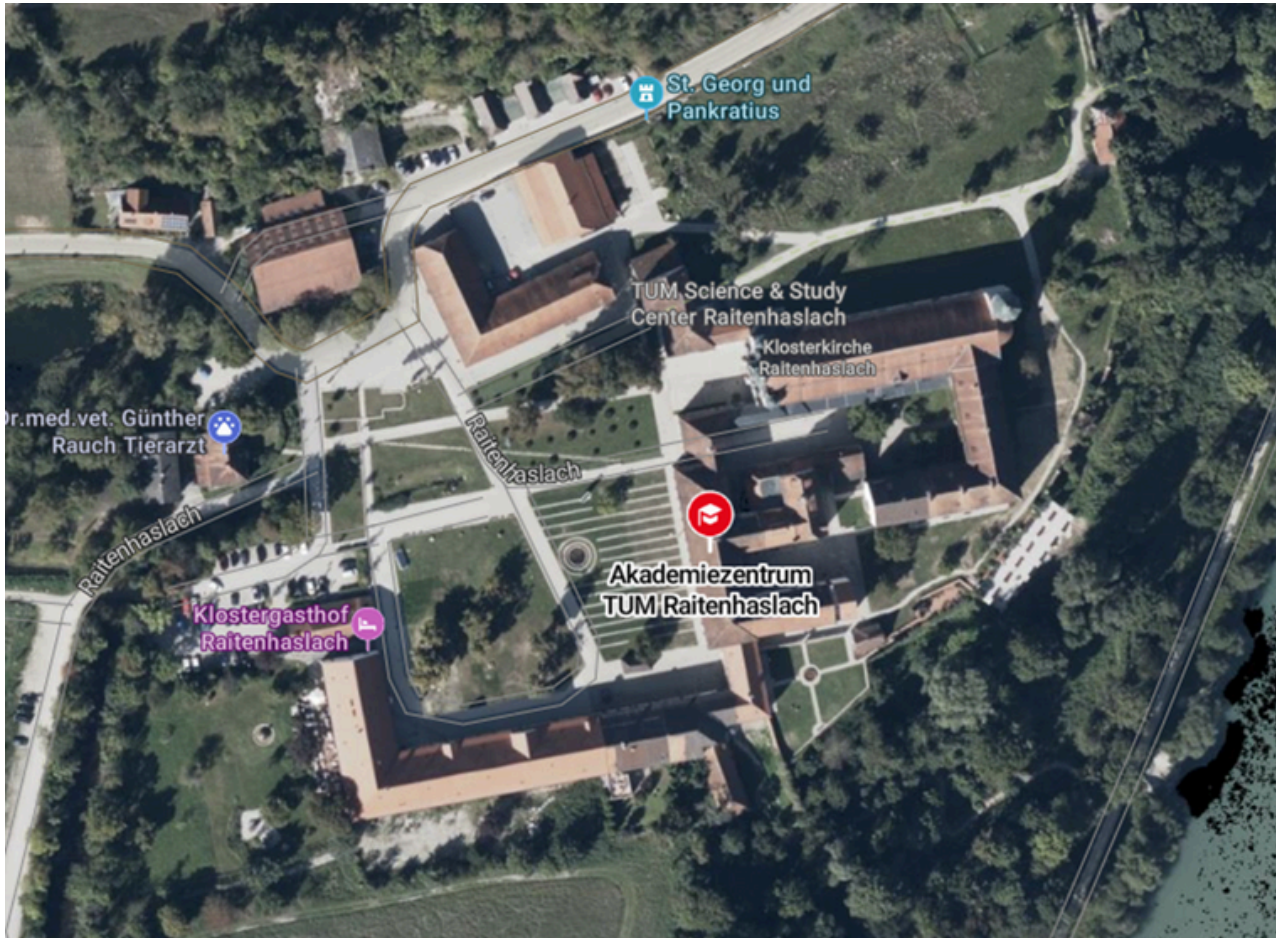
Day 3: Fr, 09.05.25		
9:00	9:30	Keynote 2: Hydrogeologic field testing in research – legal area of conflict (Matthias Alte, Base Technologies GmbH)
Sustainable Groundwater Management: Stable Isotopes for hydrogeological analyses Moderation: Daniel Glaser (University of Freiburg), Kathrin Szillat (University of Freiburg)		
9:30	10:00	Automated sampling and analysis of methane, hydrogen and major anions and cations from a flow-through tank experiment (Anja Wunderlich, TUM)
10:00	10:30	A case study of utilizing stable water isotopes and tritium to assess the interconnections of different water compartments (Jessica Landgraf, BfG)
10:30	11:00	What data is needed to build an isotope map for an entire country? (Aixala Gaillard, FAU Erlangen)
11:00	11:40	Break
Sustainable Groundwater Management: Groundwater Ecology Moderation: Bianca Grieser (LTZ Augustenberg), Jessica Landgraf (BfG)		
11:40	12:10	Natural and anthropogenic impacts on urban groundwater fauna (Fabien Glatting, Karlsruher Institute of Technology)
12:10	12:40	Integrating Groundwater Ecology into Urban Spatial Planning (Lukas Pohl, University of Stuttgart)
12:40	12:45	Conclusion and Farewell (Sarah Fieger, DECHEMA)
12:45	13:30	Imbiss and End of the Event

Posters: Overview

Poster Nr.	Postername	Author & Institution
1	Ecotoxicological investigation of the effects of groundwater chemicals on a stygophilic copepod: <i>Eucyclops serrulatus</i>	Carolin Bertold - University of Frankfurt
2	Scenario modeling of groundwater flow and transport for increasing process understanding at a riverbank filtration site	Chimankpam-Kenneth Ezugwu - TU Freiberg
3	Estimating the Full Anisotropy of the Covariance Function in Geostatistical Inversion using the Pilot-Point Ensemble Kalman Filter	Janek Geiger - University of Tübingen
4	3D City-scale groundwater flow and heat transport modeling using an archetype approach	Mohammad Javaran - KIT
5	Developing a framework for assessing habitat suitability and stress on groundwater fauna in urban environments	Hannes Hemmerle - University of Halle
6	Event-based high-resolution monitoring of pesticides at a cash crop site	Selina Hillmann - HLNUG Hesse
7	In-situ monitoring system for groundwater recharge	Heinke Paulsen - University of Freiburg
8	Investigation of groundwater biodiversity and its response to chemical pollution using eDNA metabarcoding	Hannah Rau - RPTU Landau
9	Status and characteristics: a spatial analysis of drinking water protection areas in Germany	Kathrin Szillat - University of Freiburg
10	Future of Agriculture within climate change?! Scenarios for a sustainable groundwater usage	Bianca Grieser - University of Stuttgart
11	Ecotoxicological assessment of groundwater north of the NATO airfield Geilenkirchen-Teveren	Christian Forberg - University of Frankfurt
12	In situ monitoring of the infiltration of trace organic compounds from a wastewater-bearing stream into groundwater	Matthias Bockstiegel - University of Tuebingen
13	Modelling Climate Change Effects on Soil Water Dynamics and Groundwater Recharge in Temperate Forests in Germany	Angela Morales, Northwest German Forest Research Institute

Directions





Presentations: Festsaal A103
Poster Sessions: Gewölbesaal (EG)

Kontakt

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[Join LURCH Summer School Whatsapp Group](#)



Directions

Take the A94 motorway in direction of Passau until the exit Burghausen. Carry on along the B20 in the direction of Salzburg and follow the signs to...

raitenhaslach.tum.de

