

Late Summer Workshop 2025: Water resources under stress of climate change

Sunday 21 September

- 17:30 Bus transfer from
 → Langenau (Württ) Train Station
 → Hotel *Gasthof zum Bad* (only boarding possible)
 → Waterworks Langenau
- 17:50 Arrival at Waterworks and Registration
- 18:30 **Rudi Winzenbacher: Welcome and Introduction of
Landeswasserversorgung (LW)**
- 19:00 Dinner
- 20:00 **Late night tour: Culinary Insights into Water Treatment at LW**
- 22:00 Bus transfer from
 → Waterworks Langenau
 → Hotel *Gasthof zum Bad*
 → Langenau (Württ) Train Station (Train Langenau – Ulm at 22.37)

Monday 22 September

- 8:30 Bus transfer from
 → Langenau (Württ) Train Station
 → Hotel *Gasthof zum Bad*
 → Waterworks Langenau
- 8:50 Registration (for participants arriving on Monday)
- 9:00 - 9:15 **Holger Lutze* & Thomas Ternes**: Welcome, Opening Remarks,
and Introduction of the Water Chemistry Society**
 Head of Research Committee*, *Chair of Water Chemistry Society*

Session 1 Chair: Michael Seidel

- 9:15 - 10:00 **Bryan Brooks: Environment, pollution, and one health**
- 10:00 - 10:20 Thomas Exner: Advancements and Challenges in Germany's
Wastewater Surveillance: Expanding Surveillance to Zoonotic Viruses
within a One Health Framework
- 10:20 - 10:40 Nils Keltsch: Bacterial communication as a target for reducing microbial
biofilm formation
- 10:40 - 11:40 Coffee break and poster session

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Session 2 Chair: Christian Zwiener

11:40 - 12:25	Sabrina Schiwy: Extreme weather affecting surface waters - an ecotoxicological view
12:25 - 12:45	Mona Storms: Thermal Stress and Groundwater Fauna in Urban Aquifers: Insights from Berlin's Subsurface
12:45 - 13:05	Markus Hermann: Aquatic ecosystems under multiple stress: The Climate Change and Freshwater Biodiversity (CCFB) Research Program by Eawag and the Swiss Federal Office for the Environment (FOEN)
13:05 - 16:00	Lunch, poster session and free time activities

Session 3 Chair: Torsten Schmidt

16:00 - 16:45	Thomas Ternes: Effect of climate change on micropollutant emissions
16:45 - 17:05	Jill A. R. Soedarso: Translating experimental data towards predictions of ionizable organic micropollutants to soil
17:05 - 17:25	Amir Mohammad Sheikh Asadi: Emissions and Control of Micropollutants from Bituminous Roof Sheets: A Pilot Study in CO-UDLabs
18:00	Dinner followed by Get-Together at the Waterworks
22:00	Bus transfer from → Waterworks Langenau → Hotel <i>Gasthof zum Bad</i> → Langenau (Württ) Train Station (Train Langenau – Ulm at 22.37)

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Tuesday 23.09.2025

8:30 Bus transfer from
→ Langenau (Württ) Train Station
→ Hotel *Gasthof zum Bad*
→ Waterworks Langenau

Session 4 Chair: Tobias Bader

9:00 - 9:45 **Heinz Singer: Decoding water pollution dynamics in climate-impacted systems using the transportable high-resolution mass spectrometry platform 'MS2field'**

9:45 - 10:05 Michael Mohr: Automated near-real time monitoring of micropollutants as an early warning system for drinking water

10:05 - 10:25 Felix Niemann: Isotopic Fingerprinting of Imidacloprid at Natural Abundance: A Novel Approach for Source Differentiation and Transformation Tracking by ESI-Orbitrap IRMS

10:25 - 11:35 Group photo, Coffee break and poster session

Session 5 Chair: Sabrina Schiwy

11:35 - 12:20 **Andreas Farnleitner: Microbial pollution diagnostics and monitoring for fecal hazard- and risk assessment of water resources**

12:20 - 12:40 Yiao Liang: Innovative rapid analysis of micropollutants and pathogens controlling advanced oxidation process

12.40 - 13:00 Gabriel Sigmund: Transformation products as an overlooked risk for water resources

13:00 - 13:45 Lunch

14.00 Bus transfer from
→ Waterworks Langenau
→ Hotel *Gasthof zum Bad*
→ Langenau (Württ) Train Station

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Social event in Ulm

15:45	Meeting point for those staying in Langenau: Langenau train station → Train to Ulm (16:02), walk to Tourist information
16:45	Guided tour of Ulm's Old Town <i>Meeting point: Tourist information, Münsterplatz 50, 89073 Ulm</i>
19:00	Dinner at <i>Drei Kannen</i> , Historic Brewery (free) <i>Hafenbad 31/1, 89073 Ulm</i>
22:11	Train Ulm Central Station to Langenau (Württ)
23:17	<u>Last</u> Train Ulm Central Station to Langenau (Württ)

Wednesday 24.09.2025

8:30	Bus transfer from → Langenau (Württ) Train Station → Hotel <i>Gasthof zum Bad</i> → Waterworks Langenau
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Session 6 Chair: Holger Lutze

9:00 - 9:45	Eberhard Morgenroth: Integrated urban water management: Benefits of non-potable water reuse
9:45 - 10:05	Maolida Nihemaiti: Occurrence of regulated and novel disinfection by-products in a drinking water distribution network
10:05 - 10:25	Maximilian Werner: Investigating the effect of membrane filtration on downstream ozonation in wastewater treatment
10:25-11:00	Coffee Break

Session 7 Chair: Stephanie Spahr

11:00 - 11:45:	Stuart Khan: Environmentally resilient drinking water supply systems: Lessons from an Australian "Black Summer"
11:45 - 12:05:	Ji Jie: Advanced wastewater treatment by ozonation, peroxone and ozone/peroxomonosulfate process
12:05 - 12:25:	Sara Mrhari Derdag: Innovative Low-Cost and Eco-Friendly Kiln-Derived Biochar Substrate for Constructed Wetlands: Advancing Sustainable Wastewater Treatment and Reuse

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12:25-12:35: Wrap-Up and Closing Remarks

End of the conference

13:00 Bus transfer
→ Langenau (Württ) Train Station

Venue

Waterworks Langenau
Am Spitzigen Berg 1
89129 Langenau



Sponsors



General information

- Entry permitted for registered attendees only
- Please have your ID ready for verification at the gate
- A free bus transfer from Langenau Train Station and Hotel *Gasthof zum Bad* to the Waterworks will be provided (see above for departure times). Bus travel is recommended.
- If you arrive outside these times, please arrange your own transport to the Waterworks (Taxi / Cab +49 7345 96990, ~ 20 € from train station, self-pay).
- Guest parking is available
- Contact during the workshop
Phone: +49 7345 9638 2261
Mail: labor@lw-online.de

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