

Surface Waters Seminars

Fall Semester 2025

When Mondays, 11:00 – 12:00am

Where Eawag Kastanienbaum, Seminar room Seeheim & online via Zoom
Please contact ceeb@eawag.ch for access details.

September 15
[Seeheim & online](#)

Dynamics of antibiotic resistance in wastewater-impacted Lake Geneva

Madeline Deck, Surf Department at Eawag and Environmental Engineering Department at EPFL
Host: Dr. Helmut Bürgmann

September 22
[online](#)

Organize to adapt: Capabilities needed to promote climate adaptation for water systems

Dr. George Wainaina, Sandec Department at Eawag
Host: Prof. Dr. Carsten Schubert

September 29
[Seeheim & online](#)

Trace Metal Stable Isotope Cycling in Lake Zug

Dr. Yana Kirichenko, Surf Department at Eawag

October 06
[Seeheim & online](#)
*Kastanienbaum Seminar**

Biodegradation of Polymers in Natural and Engineered Systems

Prof. Dr. Michael Sander, Department of Environmental Systems Science at ETH, guest at ENG Department at Eawag
Host: Prof. Dr. Carsten Schubert

October 13
[Seeheim & online](#)

Understanding the Dual Role of Wood in River Systems

Dr. Isabella Schalko, Mountain Hydrology and Mass Movements Department at WSL
Host: Dr. Christine Weber

October 20
[Seeheim & online](#)

Satellite Use and Requirements to Capture Water Propagation in Earth's Rivers

Dr. Arnaud Cerbelaud, NASA Jet Propulsion Laboratory at California Institute of Technology
Host: Dr. Daniel Odermatt

October 27
[Seeheim & online](#)

Quantifying spatio-temporal changes in hydrological connectivity using historical and contemporary maps

Dr. Marta Antonelli, Surf Department at Eawag

November 03
[Seeheim & online](#)

Algal lipid distributions and hydrogen isotope ratios as proxy for past phytoplankton community dynamics
Antonia Klatt, Environmental Sciences Department at University of Basel
Host: Prof. Dr. Nathalie Dubois

November 10
[Seeheim & online](#)
*Kastanienbaum Seminar**

From Circulation to Intrusion: Physical Mechanisms of Inter Basin Exchange and Deep Oxygenation in Lake Zug
Dr. Jemima Rama, Surf Department at Eawag

November 17
[Seeheim & online](#)
*Kastanienbaum Seminar**

Engineering microbes into radioactive waste storage
Prof. Dr. Rizlan Bernier-Latmani, Environmental Microbiology Laboratory at EPFL
Host: Dr. Helmut Bürgmann

November 24
[Seeheim & online](#)
*Kastanienbaum Seminar**

Preliminary modelling results on the consequence of quagga mussel invasion in Lake Constance
Dr. Bo Gai, Surf Department at Eawag

December 1
[Seeheim & online](#)

Lipid Archives: Tracing Ancient Ecosystems Through Bacterial Molecular Fossils
Dr. Nora Richter, Surf Department at Eawag

December 15
[Seeheim & online](#)

Assessing the use of trace metal isotopes as an indicator for past biological productivity
Chun Fung Chiu, Surf Department at Eawag

* Kastanienbaum Seminars are more general and addressed also to the Department of Fish Ecology & Evolution