

# Surface Waters - Seminars

## Fall Semester 2021

Time **11.00 - 12.00am**  
Location **Seminar room Seeheim\* & Zoom**, contact [remo.roethlin@eawag.ch](mailto:remo.roethlin@eawag.ch) to receive access data  
\*20 people max occupancy with 3G

Monday, 20.09.

### CEEB Seminar

**Global measure of biodiversity by understanding biogeochemical cycling of environmental DNA in rivers & lakes**

Prof. Dr. Kristy Deiner  
Assistant Professor of Environmental DNA, ETH Zurich  
*Host:* Helmut Bürgmann

Monday, 27.09.

**A New Era of Transient Tracers in the Arctic and Atlantic oceans**

Prof. Dr. Núria Casacuberta Arola  
Labor für Ionenstrahlphysik (LIP), ETH Zurich  
*Host:* Bernhard Werhli

Monday, 04.10.

**Beyond temperature: alkenones as paleosalinity and paleohydrology proxies**

Pr. Dr. Yonsong Huang  
Earth, Environmental, and Planetary Sciences, Brown University  
*Host:* Carsten Schubert

Monday, 11.10.

**Investigating the spatial variability of ecosystem metabolism and gas exchange in the Danube Delta**

Ms. Marie-Sophie Maier  
PhD student, Dept. of Surface Waters, Eawag Kastanienbaum

Monday, 18.10.

**Microbial nitrogen transformation in Swiss Lakes – a countrywide analysis**

Ms. Kathrin Baumann  
PhD student, Dept. of Surface Waters, Eawag Kastanienbaum

Monday, 25.10.	<b>Novel lipid biomarkers for detecting microbial oxidation of methane in the environment</b> Ms. Nadine T. Smit PhD student, NIOZ (Royal Netherlands Institute for Sea Research) and Utrecht University <i>Host:</i> Sigrid van Grinsven
Monday, 08.11.	<b>Metagenomics-guided discovery of new microbial biotransformations</b> Prof. Dr. Serina L. Robinson Institute of Microbiology, ETH Zurich <i>Host:</i> Helmut Bürgmann
Monday, 15.11.	<b>Methanotrophic bacteria in boreal lake water columns and in methane bioconversion processes</b> Dr. Antti Rissanen Faculty of Engineering and Natural Sciences, Tampere University <i>Host:</i> Sigrid van Grinsven
Monday, 22.11. <b>CEEB Seminar</b>	<b>Using radiocarbon and compound-specific isotope analyses in biogeochemical research</b> Dr. Naoto Ishikawa Japan Agency for Marine-Earth Science and Technology <i>Host:</i> Grégoire Saboret
Monday, 29.11.	<b>Lake Ice Monitoring from Space and Earth with Machine Learning</b> Dr. Manu Tom Dept. of Surface Waters, Eawag Dübendorf
Monday, 06.12.	<b>Title: to follow</b> Dr. Stella A. Berger Leibniz-Institute of Aquatic Ecology and Inland Fisheries (IGB), Stechlin, Germany <i>Host:</i> Martin Schmid
Monday, 13.12. <b>CEEB Seminar</b>	<b>Title: to follow</b> Prof. Dr. Luz Jimenez Universidad de Antioquia, Medellín. Biology institute. <i>Host:</i> Scott Winston
Monday, 20.12.	<b>To drift or not to drift: benthic macroinvertebrates &amp; hydropower</b> Ms. Nathalie Friese Dept. of Surface Waters, Eawag Kastanienbaum