

Surface Waters - Seminars Spring Semester 2022

Time **11.00 - 12.00am**
Location **Seminar room Seeheim & online via Zoom**
contact giulia.gionchetta@eawag.ch or robert.niederdorfer@eawag.ch to receive access data

Monday, 21.02.
CEEB Seminar
on site & online

Three highlights from 30 years of interdisciplinary research at Eawag Kastanienbaum
Prof. Dr. Bernhard Wehrli
Dept. of Surface Waters, Eawag / Dept. of Environmental Systems Science, ETH

Monday, 28.02.
3.00 - 4.00 pm
online

The metallic core of biogeochemistry: to what extent does trace element availability impact carbon and nitrogen cycles?
Dr. Jennifer Glass
Georgia Institute of Technology
Host: David Janssen

Monday, 07.03.
on site & online

Real time sequencing of the wastewater treatment sludge microbiome as a biomonitoring approach
Dr. Robert Niederdorfer
Dept. of Surface Waters, Eawag

Monday, 14.03.
on site & online

Spatial variability of turbulent mixing from an underwater glider in a large, deep stratified lake
Dr. Oscar Sepúlveda Steiner
Dept. of Surface Waters, Eawag

Monday, 21.03.
on site & online

Chromium cycling in euxinic basins: Implications for $\delta^{53}\text{Cr}$ paleoredox proxy applications
Dr. David Janssen
Dept. of Surface Waters, Eawag

Monday, 28.03.
online

Inland waters under global change: impacts on organic carbon composition and processing
Dr. Nuria Catalan, *USGS - Water Mission Area*
Laboratoire des Sciences du Climat et l'Environnement (LSCE)-CNRS
Host: Giulia Gionchetta

Monday, 04.04. <i>on site & online</i>	Remote sensing of sun-induced phytoplankton fluorescence in inland waters: overview, challenges and outlook Remika Gupana <i>Dept. of Surface Waters, Eawag</i>
Monday, 11.04. <i>on site & online</i>	Experimental assessment of diversity as an ecological barrier to microbial invasion and the spread of antibiotic resistance in freshwater biofilms Dr. Giulia Gionchetta <i>Dept. of Surface Waters, Eawag</i>
Monday, 25.04. <i>on site & online</i>	Combining remote sensing, in situ data and numerical modeling: the case of algal bloom event from September 2021 in Lake Geneva Dr. Abolfazl Irani Rahaghi <i>Dept. of Surface Waters, Eawag</i>
Monday, 02.05. <i>online</i>	Stream nitrogen biogeodynamics in a changing Arctic Dr. Ada Pastor <i>Department of Biology, Aarhus University, Denmark Institute of Aquatic Ecology, University of Girona, Spain Host: Giulia Gionchetta</i>
Monday, 09.05. <i>on site & online</i>	Understanding lake surface transport patterns from space: opportunities and challenges from Earth Observation and numerical modelling Dr. Marina Amadori <i>IREA-CNR, Institute for Electromagnetic Sensing of the Environment National Research Council, Milan, Italy Host: Damien Bouffard</i>
Monday, 16.05. CEEB Seminar	Drone-based thermal infrared imagery: Potential and challenges for the detection and characterization of river temperature heterogeneity, with special focus on cold and warm water patches/refuge Dr. Diego Tonolla <i>Research Group Ecohydrology, Institute of Natural Resource Sciences, Zurich University of Applied Sciences (ZHAW), Grüental, Wädenswil, Switzerland eQcharta GmbH, Wädenswil, Switzerland Host: Daniel Odermatt</i>
Monday, 23.05. 3.00 - 4.00 pm CEEB Seminar <i>online</i>	The importance of phagotrophic protists in trophic transfer up the food web Dr. Moira Decima <i>Scripps Institution of Oceanography, UC San Diego Host: Grégoire Saboret</i>

Monday, 30.05.
CEEB Seminar
on site & online

Methane production in oxic waters: underlying processes and ecological relevance

Prof. Dr. H.P. Grossart

Dept. of Plankton & Microbial Ecology, IGB

Host: Kathrin Baumann

Thursday, 09.06.
online

Global lake responses to climate change

Dr. Iestyn Woolway

School of Ocean Sciences, Bangor University, Menai Bridge, Anglesey, Wales

Host: Elisa Calamita