



EPICamp IV

Hydrosphere: Challenges of Preserving and Using Water (Eco-) Systems in the Anthropocene

23-24 March 2022

Wednesday, 23 March

Welcome & Introduction

09:00 – 09:15 Dr. Verena Kremling, Project Lead, EPICUR Freiburg

Keynote Speech, "Interdisciplinary solutions to emerging challenges in hydrology"

09:15 – 10:00 Dr. Natalie Orlowski, Lecturer, Chair of Hydrolog, University of Freiburg

Plenary & Pitch Presentations I: "Sustainable Management, Recycling, Waste Water..."

This session opens the floor to short presentations (5-7min) about the planned, ongoing, and finished research in all our universities. Whether you are just starting out (share your lit review?), adding a new methodology to your repertoire (share your learning journey!) or facing the big challenges (share your research questions), we invite scholars of all career stages to the open floor. *Walk-in presentations welcome!*

10:00 – 11:30

Chairs: Stefano Koundouras, AUTH & Amane Jada, UHA

- **Spyros Gkelis, AUTH**
"The Problem of Cyanobacterial Blooms in Freshwaters."
- **Amane Jada, UHA**
"Design of absorbents and catalysts for wastewater treatment."
- **Roksana Kruć-Fijałkowska, AMU**
"Pharmaceutical compounds in river and riverbank filtration."
- **Glykeria Duelli, KIT**
"Water science & engineering: technological innovation, ecological challenges and social impact - Phosphorus recycling: achievements and hindrances."
- **Katarzyna Kowalczyńska-Madura & Renata Dondajewska-Pielka, AMU**
"Inland waters – pollution, restoration and management."
- **Prantik Samanta, KIT**
"Manure treatment by membranes: Finding the path from waste to wealth"
- **Agnieszka Budzyńska, AMU**
"Lake Restoration." (tbc)

Plenary Presentation & Open Discussion

Plenary Presentations give the floor to advanced Early Career Researchers to share their work and research ideas. This will be followed up by an open discussion and conversation.

11:30 – 12:30

Florin Zainescu, UNISTRA

"Starved and submerged: What does the future hold for river deltas?"

Chair: Sergio Marin Zapata, UHA



World Café: Let's Talk about Interdisciplinary Potentials of Water Research

The World Café is an open invitation to all participants to discuss - among peers of all career stages, disciplines, backgrounds and institutions or universities of origin - the chances and challenges of interdisciplinary research when it comes to water. Please feel free to join, no previous knowledge or interdisciplinary experience is required.

13:30 – 15:30

Leads: **Ulrike Scherer**, KIT
Thomas Hein, BOKU
Agnieszka Budzyńska, AMU

Introduction EPICradles

EPICUR offers the EPICradles as a pilot project in 2022: Short-term, hybrid, well-funded – ECR Fellowships Enhancing European Collaboration. This session will introduce the innovative program and the application / selection procedures.

15:30 – 16:00

EPICUR Staff

Open Discussion & Networking

16:00 – 17:00:

Following the introduction of the EPICradle, participants will have the room to engage in open exchange and networking.

Thursday, 24 March

A Keynote Conversation: “The Emergence of the Danube: A River’s Way to the Anthropocene”

09:15 – 10:00

Gertrud Haidvogel, BOKU and **Martin Schmid**, BOKU

Pitch Presentations II: “Rivers, Flood Risks, Hydropower, Navigation and the Environment”

This session opens the floor to short presentations (5-7min) about the planned, ongoing, and finished research in all our universities. Whether you are just starting out (share your lit review?), adding a new methodology to your repertoire (share your learning journey!) or facing the big challenges (share your research questions), we invite scholars of all career stages to the open floor. *Walk-in presentations welcome!*

10:00 – 11:15

- **Helmut Habersack**, BOKU
“The role of rivers for floodrisk management, hydropower, navigation and the environment.”
- **Martin Tschikof**, BOKU
“Assessing the potential of large floodplain reconnection measures for nitrogen removal on the catchment scale.”
- **Gaël Bohnert**, UHA
“Balancing human needs and ecosystem demands: sustainable management of water resources.”
- **Felix Dörr**, KIT
“Land subsidence and groundwater salinization in the Mekong Delta, Vietnam.”
- **Kirlas Marios**, AUTH
“Groundwater vulnerability assessment in agricultural areas.”
- **Matusiak Magdalena**, AMU
“Seasonal depletion in groundwater resources under agricultural production: based on transient groundwater flow modelling.”

Chair: **H. Habersack**, BOKU

Plenary Presentation

Plenary Presentations are meant to kick-off larger discussions about water research: topics, trends, methodological questions and theoretical considerations.

11:30 – 12:30

Jonas Bauer, KIT

“Mekong Delta & Seawater Intrusion.”

Chair: Ulrike Scherer, KIT

Institutional Insights: Introducing Departments, Programs, Graduate Schools, Research Networks, Institutes, and beyond

This session is a first glimpse into the different ways that each of our EPICUR Partners organizes research that is relevant to the Hydrosphere. Spontaneous Presentations of 5-7min are welcome, just share your website, your organigram or a few key points of what and how you do. Just make us EPICurious about your research infrastructures.

13:30 – 14:30

- **Thomas Hein, BOKU**
“Interdisciplinary doctoral program – HR21.”
- **Camille Nguyen Trong, EPICUR**
“PhD Research Stays in EPICUR“
- **Guillaume Parodi, EPICUR**
EPICUR Pathway to Research: EPICluster
- **Andreas Schenk, KIT**
“GRACE, Graduate School for Climate and Environment”
- **Ulf Mohrlok, KIT**
“Master in Water Science and Engineering”

Chair:

Nina Eisenmenger,
BOKU

Closing & Outlook **EPICUR Staff**

14:30 – 16:00

General registration is open until **March 21, 2022**, through this form: <https://forms.office.com/r/mpTswB7T52>.

We highly encourage you to fill out all relevant sections with care, as matchmaking and networking events will be based on these responses.

You can contact the EPICUR organizing team (epicur-research@mail.uni-freiburg.de) for all questions.