

Hydrological Modeling Workshop

21st AG HydMod Workshop

16 - 18 September 2026

Kiel

Where Hydrological Modeling Meets Practice

This workshop helps young hydrologists move beyond theory and explore how hydrological modeling is applied in practice. Participants will also give short presentations on their own research, exchange ideas with other hydrologists, and learn from ongoing modeling studies and real-world water-related projects. The program also includes a visit to a leading water sciences institute, offering a chance to connect with current research, practical applications, and professional networks.

Schedule

The venue for the workshop days is the Department of Hydrology and Water Management at the University of Kiel. Please ensure you arrive at the designated location before the start of the program each day.

Wednesday, 16 September 2026

- 8:30 – 9:00 Workshop Registration
- 9:00 – 10:00 Presentations
- 10:00 – 11:00 Keynote presentation
- 11:30 – 12:30 Lunch break
- 13:00 – 14:30 Presentations
- 15:00 – 17:00 Presentations

Thursday, 17 September 2026

- 9:00 – 10:00 Keynote presentation
- 10:00 – 11:30 SWAT+ Introduction
- 11:30 – 12:30 Lunch break
- 13:00 – 14:00 Model calibration
- 14:00 – 15:00 Measuring to Modeling
- 15:00 – 16:00 Open discussion

Friday, 18 September 2026

- Visit to GEOMAR Helmholtz Centre for Ocean Research Kiel



- Seaside Excursion in Kiel

Further details on the excursion meeting point and schedule will be provided separately.

SWAT+ Model

Participants will receive a practical introductory overview of SWAT+, including data preparation, model structure, model setup, calibration, and validation. The session is designed to familiarize participants with the main steps required to build and evaluate a SWAT+ hydrological model.



SWAT+
SOIL & WATER
ASSESSMENT TOOL

RESIST Project

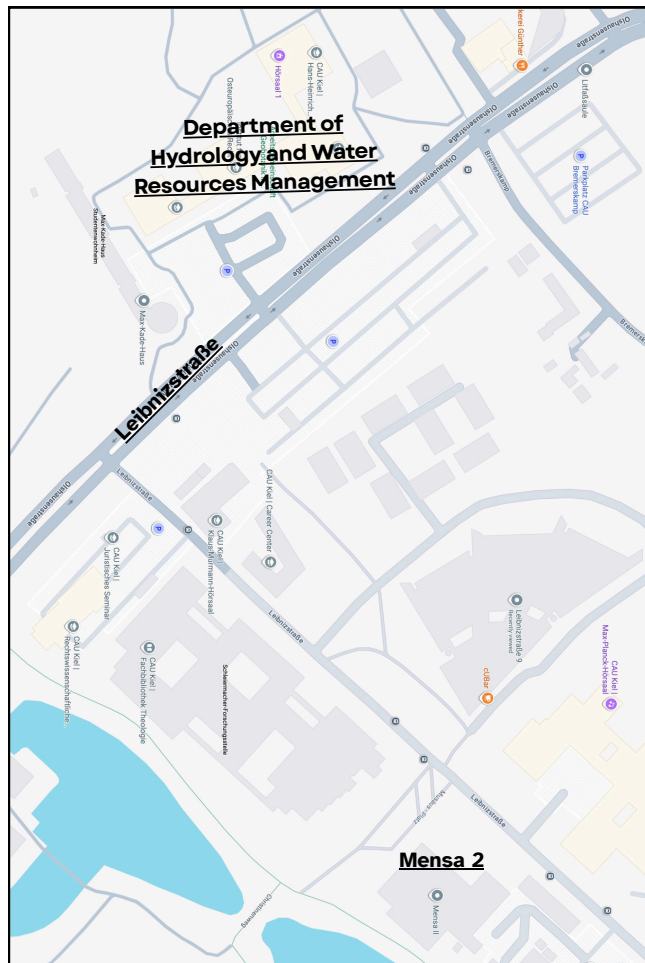
A key part of the program will focus on RESIST, an ongoing project at the Department of Hydrology and Water Management at the interface of hydrology and ecology. It will show how field measurements are connected with modeling approaches and how observed hydrological and ecological data support model development, evaluation, and applied research on multiple stressors in stream ecosystems.



Directions from Kiel Central Station (Hauptbahnhof)

There are several bus connections from Kiel Central Station to the venue. The following bus lines serve this route: **61, 62, 50, 81, and X60.**

You should disembark at **Leibnizstraße**, which is located close to the department.



General Notes

Meals: Mensa 2 is located close to the workshop venue, and participants may go there for lunch if they wish. Snacks, coffee, and tea will be provided during the workshop.

Presentations: Participants are invited to give a short presentation on their current research project, with a duration of 10 minutes.

Team and contacts

Dr. Kristin Peters

kpeters@hydrology.uni-kiel.de

Ramyar Aliramaee, M.Sc.

[راليراماee@hydrology.uni-kiel.de](mailto:rاليراماee@hydrology.uni-kiel.de)

Registration

To register, please send an email to [راليراماee@hydrology.uni-kiel.de](mailto:rاليراماee@hydrology.uni-kiel.de) with the title of your current project and a short expression of interest. Please register as soon as possible, as the number of participants is limited. There is no registration fee for the workshop.

For any questions regarding the workshop, please feel free to reach out.

