



Short Course on DAISY

09-13 September 2024, Bayreuth, Germany

The short course offers an introduction to the 1D/2D DAISY agro-ecological model (daisy.ku.dk). It covers the main processes in DAISY:

- Water flow (matrix and biopore flow)
- Solute transport (mineral N, DOC/DON, pesticides, particles, natural toxins, etc.)
- Heat transport
- Soil organic matter turnover
- Soil vegetation atmosphere transfer of water and energy
- Crop model, including a new dynamic litter (residues) layer on the soil surface
- Management practices (conservation vs conventional ag systems)

This year, the Daisy course is being offered in Bayreuth*, Germany, where instructors from the University of Bayreuth and the University of Copenhagen will jointly offer a full-time program arranged in the second week of September. The course includes a series of short presentations, each followed by hands-on group exercises where participants learn how to use the Daisy agro-ecological simulation model and analyze a simple, pre-defined system. Specifically, you will learn how to prepare data for the model, run the model, and extract and analyze output from it. Students are encouraged to present their scientific topics and their plans for testing their hypotheses/research questions using DAISY.

| | Full attendance | Simple attendance |
|-------|-----------------|-------------------|
| ECTS | 7.5 | 2.0 |
| Price | 1350 € | 600 € |

Full attendance: After the short course week, teachers assist students in setting up their Daisy projects through 1-hour online meetings over 2 months (totaling 8 hours).

Simple attendance: Students join only the short course (including lunch).



Registration and contact
via email to: bodenphysik@uni-bayreuth.de



* Course administration is managed by the University of Bayreuth.