



UNIVERSITY OF  
COPENHAGEN



# Short Course on DAISY

**25-29 August 2025, Copenhagen, Denmark**

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)
- And recent developments in terms of N<sub>2</sub>O, PFAS and python-extension.

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: [daisy@ku.dk](mailto:daisy@ku.dk)**