UNIVERSITY OF COPENHAGEN
DEPARTMENT OF PLANT- AND
ENVIRONMENTAL SCIENCES

Short Course on DAISY

28 Aug to 1 Sep 2023, Copenhagen, Denmark

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

- Water flow (matrix and bioporeflow)
- Solute transport (mineral N, DOC/DON, pesticides, natural toxins, etc.)
- Heat transport
- Soil organic matter turnover
- Soil vegetation atmosphere transfer of water and energy
- Crop (production) model

The first week 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 to analyse a simple, pre-defined system. Specifically you will learn how to prepare data for the model, how to run the model, and how to extract and analyse output from the model.

After the first week, students work either individually or in groups of two in project work. Students may choose their own topics or select from a pre-defined list of project suggestions, based on current research. There are no fixed lectures, but consultations with the teachers after individual appointment and we may arrange some common sessions for instructions or presentation of the project work .Exams are in the block 1 exam period. The course is rated as 7.5 ETCS.

Find more information via link to PhD-course on the Daisy homepage (https://daisy.ku.dk/courses/).

The course is a “Project outside course scope” (POCS, in Danish “projekt udenfor kursusregi” (PUK)). Interested MSc-students should contact Agrohydrology and fill out a POCS contract. Late-registration period for courses in block 5-1 is 15th May – 1st June.

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