

Informing a plant chemical uptake model with images from thermal and multispectral cameras

Dynamic models for the prediction of water and substance balance of soil and vegetation are widely applied tools for climate change predictions, exposure assessment of human and wildlife, impact assessment, pesticide design or phytoremediation. Such uptake models require specification of plant biomass and transpiration. In the project those variables will be estimated using information from thermal and multispectral cameras and tested in a laboratory experiment with different plant and chemical compounds.

Project type

Topic is suitable for MSc project

Pre-requisite

MSc; 12233 Water Pollution; Hydrology

Group size

1-2 students

Department of supervisors

Main supervisor: DTU Environment

Co-supervisor: DTU Environment

Contact persons

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