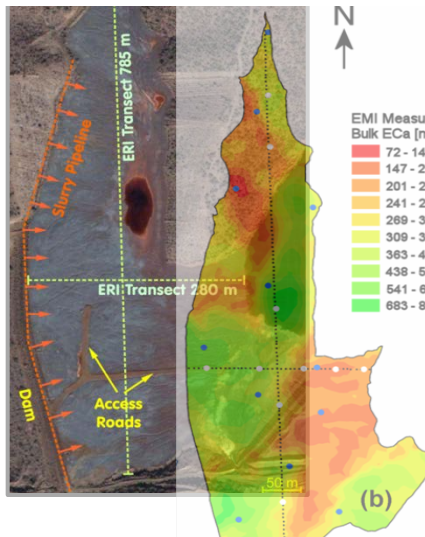


PhD Course: Merging Measurements and Modeling in Soil Physics

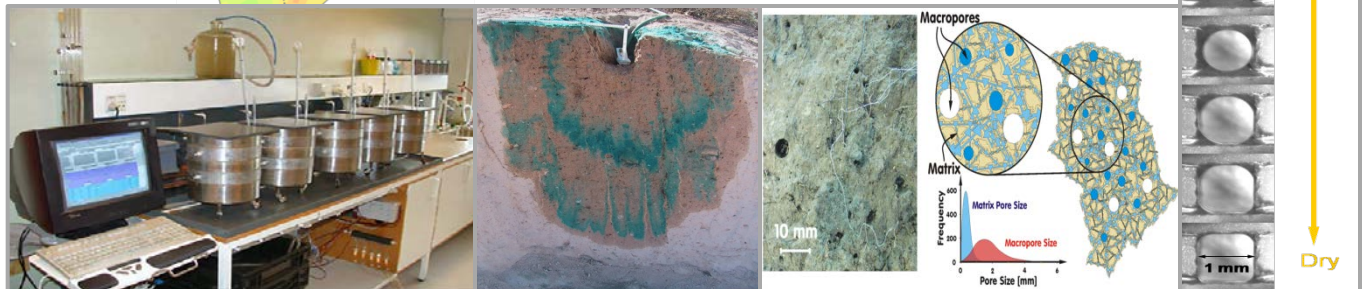
March 2018 (final dates are not yet fixed)

Volume: 5 ECTS

Location: Aarhus University, Department of Agroecology, AU-Foulum, Blichers Allé 20, DK-8830 Tjele, Denmark



Course content: This course will present accepted and emerging concepts of key processes of water flow in unsaturated porous media. These concepts will be presented together with standard and novel methods to make the measurements necessary to describe these processes. The focus of the course is the need for a unified treatment of measurement and modelling in quantitative soil physics. Specifically, we will discuss how advancements in our understanding of soil physics should guide the design of measurement and monitoring efforts. Similarly, we will discuss how the interpretation of measurements made with emerging indirect methods should be made in the context of the soil physical model of interest.



Target group: PhD students within soil science, agronomy, environmental engineering, hydrology, or hydrogeology

Key lectures: Professor Ty Ferre, and Professor Markus Tuller, University of Arizona, USA. Professors Per Moldrup and Lis Wollesen de Jonge, Aalborg and Aarhus Universities, Denmark



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