TECHNICAL TRAINING

04. UNVEILING SOIL MOISTURE AT ANY SPATIAL SCALE: MEASUREMENT, MONITORING AND MODELING TECHNIQUES

Venue. University of Córdoba

Academic Coordinator. Cristina Aguilar Porro (caguilar@uco.es) and María José Polo Gómez (mjpolo@uco.es)

Date. From 11 to 15 december, 2017

Number of hours. 40

Schedule. From Monday to Thursday - 09:30am/6:00am and Friday - 09:30am/5:00am

Objectives. This course aims to offer the state of the art in this field regarding the different sources of surface data, as well as the acquisition techniques and assimilation procedures into high definition hydrological models. Thus, the specific objectives are:

- To present the main techniques for soil moisture measurement at different spatial and temporal scales.
- To describe and apply the main models for the estimation of soil moisture.
- To quantify and implement uncertainty associated to both soil observations and modeling through data assimilation.
- To implement this information in distributed hydrological models to analyze the influence of soil moisture in cropped areas.

Application deadline. 30 november, 2017

Academic profile for applicants. Engineering graduates and Master Engineering students

Number of places. 20

Registration feel. 20€

Registration here

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