

CSSS_11: Scales and Scaling in Soil Hydrology

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Session Description

Issues of scale transcend all soil science and hydrological problems, and indeed problems in many other disciplines. While in hydrology, scale is defined as the time or length of a process, observation or model, in soil science it is the extent or size of a length, distance, or area as well as the time or length of a processes studied or described. The transfer of information between scales is called scaling, and the problems associated with scales are called scale issues. Significant research effort has examined the mathematical, theoretical and practical aspects of scale issues in soil science as well as in hydrology. This session solicits presentations (oral and poster) from geoscientists, soil scientists, hydrologists, geophysicists, climatologists, and others working on key aspects of complex soil hydrological systems and their characterization at different spatial and temporal scales. Research on recent advances in the fundamental, experimental, methodological and modelling studies and their interaction at multiple spatial and temporal scales are invited to submit to the session.

Primary Affiliation: CSSS

Joint Session Submission: CGU Hydrology