

SSS6.10/HS13.26 :

Challenges, new measurement techniques and model approaches for soil physical parameterizations in land surface, climate and earth science model

The hydrophysical and thermal properties of soils play a major role in current societal issues.

However, methods used to characterize soil remain **questionable**. Parameter uncertainties, missing processes, and the assumption that soil parameters remain constant in time, adversely impact the estimates.

This session acknowledges that **soil structure matters** and welcomes contributions presenting new approaches to characterize the physical properties of soils as well as comparative approaches between methods and/or laboratories. This scientific session also welcomes contributions on **improved parameterization of soil and critical zone processes**.

During the chat, we will invite the authors successively, display by display, and organize the time management, as is customary at the EGU. Thank you in advance for your participation