

The IUSS Conference on Soils Functions and Climate Change will address the broad question: 'Do we underestimate the consequences of new disequilibria in soil properties?'. The conference aims to increase understanding of how interactions among physical, chemical and biological soil processes under different land-use systems and climate conditions will alter soil properties.

Specific topics to be covered include:

- Soil structure and pore rigidity effects as prerequisites for quantification of physicochemical processes
- Effects of (limited) pore rigidity and soil resilience
- Innovative approaches to predict climate change induced affected sinks and sources of e.g. atmospheric C, nutrient, water and its consequences to their accessibility and availability
- Modelling approaches to quantify effects of (limited ) soil rigidity on mass flow and diffusion at various scales- from the micro- to macroscale