

Working Hydrogeological Conceptual Models for Groundwater Use, Protection and Interaction with Infrastructure. The system understanding approach.

Proper investigations and characterization of the underground soil and rock properties and their spatial distribution related to water occurrence and movement is vital to understanding ecosystem and geosystem services. The workshop aim is to show and discuss how our understanding of groundwater flow systems depend on the vertical and horizontal characterization using multiple lines of evidence (data types) and scales of measurement to inform hydrogeologic conditions. The workshop focus will be to discuss the development and understanding of a hydrogeological system (building conceptual site models (CSM)) with scientifically sound data, proper tools and at appropriate scales. A multidisciplinary team's approach is needed to address these, for society, very complex challenges.