

### Session title

Nature-Based Solutions for sustainable groundwater management

### Description

This session explores the role of Nature-Based Solutions (NbS) in enhancing sustainable groundwater management under increasing climate and anthropogenic pressures. It focuses on how ecosystem-based approaches can improve recharge, water quality, and aquifer resilience. Case studies, monitoring approaches, and interdisciplinary frameworks integrating hydrogeology, ecology, and governance will be emphasized. The session bridges science, practice, and policy to demonstrate how NbS can support climate adaptation, water security, and long-term groundwater sustainability.

### Keywords

Nature-Based Solutions, Local knowledge, Sustainable groundwater management, Climate change adaptation

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