

Session title

From data to action: the contribution of groundwater monitoring as a driver of change

Description

Knowledge of the quantitative and qualitative status of aquifers is critical for policymaking and for collective action, at all levels and in a variety of sectors. Access to science-based but easy-to-understand information on a regular and timely basis is crucial because the stress on groundwater resources is increasing due to the rise of water demand, pollution, and the effect of climate change on water availability, among others. Information on the quantitative and qualitative status of aquifers can be produced based on groundwater monitoring data and other physical evidence. This session aims at gathering practical experiences in groundwater monitoring, reporting and communicating about groundwater issues to promote collective action. It will cover a variety of topics, such as existing monitoring networks and programmes, reporting methodologies and strategies (time-series analysis, indicators, and other technical aspects), enabling legal and institutional environments for groundwater reporting, visualisation tools for effective dissemination of groundwater information and data, etc. Case-studies are sought from hydrogeologists and professionals from other disciplines (including social sciences), representing various stakeholders (governments, communities, private sector, media, research institutions), at different scales and from various regions.

Keywords

Groundwater monitoring, groundwater reporting, indicators, visualization and communication, evidence-based decision making

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