Oral Program

53rd IAH World Groundwater Congress · Budapest · 14–18 September 2026

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Session 1.1 Isotopic studies from precipitation to groundwater

Thursday, 17-09-2026

Part I · Thursday, 17-09-2026 · 10:00–11:45 · Room: Kodály

Chairs: **István G. Hatvani**, Polona Vreča

Time	LID	Presenting author	Presentation title
10:00–10:15	256	Bogdevici, Oleg	Evaluation of surface–groundwater interaction using stable isotopes and geochemical composition for water management purposes in arid zone
10:15–10:30	285	Koeniger, Paul	A new database for stable isotopes and tritium in precipitation, surface water and groundwater – German isotope network
10:30–10:45	94	Xie, Yueqing	Paleoclimate reconstruction in a large delta with groundwater isotopes
10:45–11:00	806	Czuppon, György	Cave drip water reflects karst hydrology and precipitation dynamics
11:00–11:15	803	Dragusin, Virgil	Groundwater–precipitation isotopic relationship at several sites in Romania
11:15–11:30	616	Vreča, Polona	Long-term water isotope datasets from Slovenia supporting isotope hydrogeological research
11:30–11:45	680	Hatvani, István Gábor	Spatial distribution of the isotope hydrological characteristics (δ^2H, $\delta^{18}O$, d_{exc}) of groundwater in Hungary in the 2020s – contribution to the National Atlas of Isotope Hydrology project

Part II · Thursday, 17-09-2026 · 13:00–14:00 · Room: Kodály

Chairs: **István G. Hatvani**, Polona Vreča

Time	LID	Presenting author	Presentation title
13:00–13:15	706	Gcakasi, Monis Nolitha	Application of nitrate and water stable isotopes to evaluate nitrate dynamics and surface–groundwater interaction in the Lower Lobau floodplain aquifer (Danube River Basin)
13:15–13:30	363	Yoxas, Gerasimos	Assessment of groundwater potential and productivity variability through exploratory boreholes in Tseri, Cyprus
13:30–13:45	780	Ferreira, Ana Clara Mariante	Groundwater–glacier connectivity and meltwater recharge in an Antarctic periglacial system revealed by radon and isotopes
13:45–14:00	923	Ortega, Lucia	Localized urban recharge and return flows shape groundwater dynamics in the Patiño Aquifer, Asunción, Paraguay

Session 1.2 Hydrogeology of karst and fractured systems: From field studies to quantitative characterization

Wednesday, 16-09-2026 · Thursday, 17-09-2026

Part I · Wednesday, 16-09-2026 · 10:00–12:30 · Room: Mozart

Chairs: **Attila Kovács**, Peter Malik, Zoran Stevanović, Arnauld Malard

Time	LID	Presenting author	Presentation title
10:00–10:15	590	**Stevanović, Zoran***	Criteria for selecting the most important karst springs – output of the MIKAS Project
10:15–10:30	124	Baalousha, Husam	From CT scans to flow models: enhancing aquifer characterization in complex bioturbated carbonates
10:30–10:45	103	Malard, Arnauld	New tools for flow animation and conduit generation in karst aquifers using Visual KARSYS
10:45–11:00	33	Kordilla, Jannes	openKARST: from detailed karst conduit dynamics to simplified hydraulic flow descriptions
11:00–11:15	938	Kovács, Attila	Stochastic modelling of karst conduit networks informed by geological and hydrodynamic constraints

Time	LID	Presenting author	Presentation title
11:15–11:30	106	Mayaud, Cyril	FloodWatch: a mobile application to monitor floods in karst areas
11:30–11:45	559	Achour, Farid	Significance and origin of the very large regulating power of the Big Spring karst aquifer in Missouri (USA)
11:45–12:00	708	Ravbar, Nataša	Assessing climate change impacts on mountain karst spring discharge using hydrological modelling and climate projections
12:00–12:15	694	Kogovšek, Blaž	Concentration–discharge hysteresis to characterise recharge at karst springs: the Unica springs case study
12:15–12:30	913	Nicholson, Riley	Analysis of streamflow data in a groundwater-dominated karst catchment demonstrates early signals of streamflow capture

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Part II · Wednesday, 16-09-2026 · 14:45–17:15 · Room: Mozart

Chairs: **Attila Kovács**, Peter Malik, Zoran Stevanović, Arnauld Malard

Time	LID	Presenting author	Presentation title
14:45–15:00	572	Mok, Chin Man	Not forgotten in the back of the drawer – breathing new life into geophysical data for groundwater modeling
15:00–15:15	750	Balázs, László	Muography: an effective geophysical tool for detecting fracture systems and cavities
15:15–15:30	738	De Luise, Serena	Hydrogeological site characterization of pyroclastic soils: case studies from Campania (South Italy)
15:30–15:45	29	Zhou, Changsong	Strontium enrichment patterns and source dynamics in karst underground river sediments: comparative case studies from Guizhou, China
15:45–16:00	792	Cunha de Paula, Lucas Daniel	Karst aquifer dynamics: a multi-tracer approach combining ^{3}H, ^{222}Rn, ^{18}O, and ^{2}H with lumped-parameter modelling in Sete Lagoas, Minas Gerais, Brazil
16:00–16:15	115	Guo, Fang	Ecological and hydrological effects of vegetation restoration in karst peak-cluster depression system
16:15–16:30	141	Villafane Pagan, Jobel	Puerto Rico's submarine groundwater discharge characterization: North Coast Limestone aquifer system
16:30–16:45	715	Fujieda, Kanako	Influence of hydraulic conductivity distributions on solute transport in a karstic limestone aquifer
16:45–17:00	615	Malík, Peter	Karstic spring Morské oko in Tornaľa, southern Slovakia: recharge area problem
17:00–17:15	420	Höpker, Sebastian	New perspectives on recharge and water quality from integrated groundwater and cave monitoring on the raised coral atoll Niue

Part III · Thursday, 17-09-2026 · 10:00–12:00 · Room: Mozart

Chairs: **Attila Kovács**, Peter Malik, Zoran Stevanović, Arnauld Malard

Time	LID	Presenting author	Presentation title
10:00–10:15	233	Dong, Muqing	Characterising spatial groundwater recharge heterogeneity using transfer-function modelling in a fractured rock aquifer in Wellington (NSW, Australia)
10:15–10:30	710	Orticoni, Davia	Coupling pumping-test interpretation and natural tracers to characterize compartmentalization in a mineral water fractured aquifer
10:30–10:45	430	Meus, Philippe	Retrospective and prospective on the use of fluorescent tracers in hydrogeology
10:45–11:00	324	A. Román Gessa Fernández	Refined geological and hydrogeological models to resolve surface and underground impacts of the Einstein Telescope facility in the Euregio–Meuse Rhine (EMR) region
11:00–11:15	271	Ivanova, Arina	Hydrogeologically diverse aquifers converge surface-derived DOM into a persistent molecular core
11:15–11:30	361	Tamagnini, Erica	Deep-seated gravitational slope deformations control on groundwater flow and spring dynamics in the Northern Apennines (Italy)
11:30–11:45	401	Sauter, Martin	The role of carbonate aquifers in the circum-Mediterranean region as a storage reservoir in the context of water resources management strategies
11:45–12:00	56	Zou, Shengzhang	Groundwater hydrochemical characteristics and human health risk assessment of dispersed karst water sources in southeast of Chongqing

Session 1.3 Processes, tools and advancements in coastal hydrogeology

Tuesday, 15-09-2026

Part I · Tuesday, 15-09-2026 · 10:30–12:30 · Room: Bartók

Chairs: **Rezwana Binte Delwar**, Stephan L. Seibert, Nils Moosdorf, Maurizio Polemio

Time	LID	Presenting author	Presentation title
10:30–10:45	284	**van Breukelen, Boris***	Chemical hydrogeology of freshened groundwater offshore New England
10:45–11:00	538	Parker, Aqeela	From data to decision: conceptualising coastal alluvial aquifers for sustainable groundwater abstraction in Namibia

Time	LID	Presenting author	Presentation title
11:00–11:15	560	Oude Essink, Gualbert	Effects of sea-level rise on fresh groundwater resources in coastal dune areas – case study in the Netherlands
11:15–11:30	796	Mohamed, Ali	Geoelectrical and isotopic constraints on seawater intrusion: a case study from Ras Sudr, western-central Sinai
11:30–11:45	45	Mostafa, Mostafa F.	Machine learning-assisted hydrochemical analysis of seawater intrusion in karst aquifers: insights from Apulia, SE Italy
11:45–12:00	376	Kurylyk, Barret	Linking analytical solutions and geospatial modeling to map patterns of aquifer vulnerability to saltwater intrusion and coastal groundwater flooding
12:00–12:15	87	Lin, Yuhang	Nonlinear response of coastal unconfined aquifers to irregular semidiurnal tides: field experiments and numerical modeling
12:15–12:30	924	Cianflone, Giuseppe	Hydrogeology of the Gioia Tauro Coastal Plain (southern Italy): integrating baseline knowledge and numerical modeling for groundwater management under global change

** Distinguished Lecturer of this session.*

Part II · Tuesday, 15-09-2026 · 16:45–18:45 · Room: Bartók

Chairs: **Rezwana Binte Delwar**, Stephan L. Seibert, Nils Moosdorf, Maurizio Polemio

Time	LID	Presenting author	Presentation title
16:45–17:00	164	Uribe Jaramillo, Valentina	Coastal processes and groundwater response: long-term climate change impacts on a sandy barrier island
17:00–17:15	15	Tobon, Nidia	Assessing shallow aquifer heterogeneity with geophysical and numerical modelling in an atoll island setting
17:15–17:30	868	Van Hanja, Jonathan	Variability in submarine groundwater discharge estimates: a comparative review from the Campo de Cartagena–Mar Menor system (Spain)
17:30–17:45	574	Guo, Liming	A probabilistic framework for joint saline and geological model generation with geophysical and petrophysical constraints
17:45–18:00	318	Volpe, Angela	Assessment of sea impact on a Mediterranean coastal water system and its evolution over time
18:00–18:15	84	Wu, Rui	Boundary condition improvements for tidally forced coastal unconfined aquifer models and analysis for solute transport mechanisms
18:15–18:30	89	Lipparini, Lorenzo	Unconventional groundwater exploration in Sicily (Italy)
18:30–18:45	461	Tijani, Moshood	Integrated electrical resistivity and hydrochemical assessments of saltwater intrusion in coastal aquifers of southwestern Nigeria

Session 1.4 Evolving from Tóth's gravitational systems of groundwater flow to integrated basin-scale fluid systems for addressing 21st-century challenges

Tuesday, 15-09-2026

Part I · Tuesday, 15-09-2026 · 10:30–12:30 · Room: Liszt 1

Chairs: **Hanneke Verweij**, Szilvia Simon

Time	LID	Presenting author	Presentation title
10:30–10:45	465	**Post, Vincent***	Preservation of connate seawater in deep sedimentary aquifers: a case study from the Netherlands
10:45–11:00	329	Gutierrez, Alexis	Hydrogeological settings of the Yaque del Sur Basin – knowledge update
11:00–11:15	151	Han, Peng-Fei	Three-dimensional interbasin groundwater flow toward a groundwater-fed stream: identification, partition, and quantification
11:15–11:30	707	Zhang, Zhi-Yuan	Comparative analysis of different methods for delineating three-dimensional groundwater flow systems
11:30–11:45	872	Parker, Beth	Informing groundwater flow systems from an aquitard perspective
11:45–12:00	788	Xiao, Yong	Hierarchical groundwater flow systems and their interactions with the river–lake system in dry closed basins
12:00–12:15	313	Frem, Michel	Data-driven conceptual modelling of complex highland–lowland hydrological interactions in the Ethiopian Rift Valley
12:15–12:30	167	Czauner, Brigitta	Tracking regional-scale aquitard permeability using fully coupled groundwater flow models in the Central Pannonian Basin

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Part II · Tuesday, 15-09-2026 · 14:45–15:30 · Room: Liszt 1

Chairs: **Judit Mádl-Szőnyi**, John Molson

Time	LID	Presenting author	Presentation title
14:45–15:00	857	Ferguson, Grant	Landscape evolution and hydrogeologic change
15:00–15:15	826	dos Santos, Carolina Fernanda	Where rivers depend on groundwater: mapping baseflow dynamics across São Paulo State, Brazil

Time	LID	Presenting author	Presentation title
15:15–15:30	518	Szymkiewicz, Adam	A framework for integrating models of contaminant transport in vadose zone and groundwater

Session 1.6 Developments in mineral and thermal waters: from exploration to sustainable use

Friday, 18-09-2026

Complete session · Friday, 18-09-2026 · 10:30–12:30 · Room: Mozart

Chairs: **Adam Porowski**, István Fórizs, Nina Rman

Time	LID	Presenting author	Presentation title
10:30–10:45	105	Kłonowski, Maciej R.	Hydrogeology and hydrogeochemistry of selected potentially medicinal waters of the Sudetes (SW Poland, NE Bohemian Massif)
10:45–11:00	~~181~~	~~Marques, José~~	**CANCELLED** ~~Comparative conceptual modelling of hyposaline natural mineral waters systems in quartzitic settings (Central Portugal)~~
11:00–11:15	262	Szabó, Zsóka	Integrated hydrogeochemical and isotopic investigation of the thermal karst system of Budapest, Hungary: implications for groundwater system understanding
11:15–11:30	1043	Deák, József	Verification of the regional groundwater flow system to prove the origin of Minera and Veritas mineral water in Albertirsa (Hungary)
11:30–11:45	713	Orticoni, Davia	Multi-tracer isotope approach for groundwater–surface water interactions in a Mediterranean complex aquifer exploited for natural mineral water
11:45–12:00	920	Fórizs, István	Isotope hydrological proof of the special properties of the Hungarian mineral waters
12:00–12:15	1044	Fosselard, Patricia	Original purity for natural mineral waters – An evolving concept
12:15–12:30	1047	Szlukovinyi, Áron	Wood (larch) cased wells in Hungary established in the XIX. Century

Session 1.7 Hydrogeochemical and isotopic fingerprinting of groundwater systems: from water–rock interaction to human impacts

Wednesday, 16-09-2026 · Thursday, 17-09-2026

Part I · Wednesday, 16-09-2026 · 10:00–12:15 · Room: Bartók

Chairs: **Veysel Süleyman Yavuz**, Ashwani Kumar Tiwari

Time	LID	Presenting author	Presentation title
10:00–10:15	718	Abadie, Benoit	Understanding the role of compartmentalization in stream response to major precipitation events in Central European upland catchments: the Ahr Valley, Germany
10:15–10:30	95	Guo, Yongli	Hydrogeological characteristics and hydrochemical environment of a karst aquifer system are determined by the presence of major ions, trace elements, and environmental isotopes
10:30–10:45	307	Carreira, Paula	Discriminating seawater intrusion from other salinization sources in the Algarve Sedimentary Basin: insights from environmental isotopes
10:45–11:00	325	Vasileiou, Eleni	Tracing anthropogenic versus geogenic sources of groundwater pollution using multi-isotope fingerprints: the case study of the Sarigkiol Basin, Western Macedonia
11:00–11:15	892	Huang, Tianming	Calcium and multi-isotope constraints on cation exchange in groundwater
11:15–11:30	842	Walter, Julien	Hydrogeochemical mixing and deep fluid contributions in a Precambrian shield graben: a multi-isotope and noble gas approach
11:30–11:45	471	Porru, Maria Chiara	Advancing knowledge for sustainable groundwater management in Sardinia: an integrated multi-isotopic approach
11:45–12:00	20	Eid, Mohamed Hamdy	Integrated hydrogeological assessment for sustainable groundwater management in the Siwa Oasis, Egypt
12:00–12:15	166	Filippini, Maria	Tracing recharge and flow redistribution in alluvial fans of the Northern Apennines (Italy): implications for sustainable groundwater abstraction

Part II · Wednesday, 16-09-2026 · 14:45–17:15 · Room: Bartók

Chairs: **Veysel Süleyman Yavuz**, Ashwani Kumar Tiwari

Time	LID	Presenting author	Presentation title
14:45–15:00	875	Martinez, Virgilio	Altitude-controlled recharge and groundwater flow patterns in a semi-arid Andean alluvial aquifer
15:00–15:15	482	Jarraya, Asala	Natural and anthropogenic factors controlling groundwater mineralisation in semi-arid climates: the Zaghouan aquifer system (Tunisia)
15:15–15:30	699	Bidar Kahnamuei, Saeed	Hydrogeological characterization of flow system feeding the Lake Hévíz by the application of natural tracers
15:30–15:45	186	Davies, Emma	Tracing hydrological mixing and flow paths in precipitation, rivers, and groundwater of the Nepal Himalaya using seasonal $\delta^{18}O$ lapse rates and CFC-age dating.
15:45–16:00	321	Zechner, Eric	Integrating hydrochemical, isotopic, gaseous, pharmaceutical, and eDNA tracers to detect active subrosion of intrastratal halite

Time	LID	Presenting author	Presentation title
16:00–16:15	654	Jiang, Xiaowei	New mechanisms of hydrochemical evolution from Ca-Mg-HCO_3-dominated to Na-HCO_3-dominated groundwater: evidences from Ca and Mg isotopes
16:15–16:30	413	Cammaer, Chris	The use of long-term monitoring data to delineate natural background levels for the assessment of groundwater contamination
16:30–16:45	127	Gürsoy, Sibel Melisa	Assessment of salinity and geogenic fluoride and vanadium contamination of a deep aquifer system in northern Namibia
16:45–17:00	627	Richards, Joshua	Evidence for variable sources of Na-Cl in groundwaters of northern Switzerland
17:00–17:15	30	Houben, Georg J.	Potential trace metal release during chemolithotrophic denitrification – a comprehensive study of pyrites from northern German aquifers

Part III · Thursday, 17-09-2026 · 10:00–12:00 · Room: Bartók

Chairs: **Veysel Süleyman Yavuz**, Ashwani Kumar Tiwari

Time	LID	Presenting author	Presentation title
10:00–10:15	904	Wang, Qiang	Cele River–Keriya River Basin alluvial–proluvial fan depression zone groundwater reservoir formation conditions and regulation and storage potential study
10:15–10:30	586	Marcin, Daniel	Conditions of mineral waters formation in Herľany
10:30–10:45	221	Esmond, Monica	Springs are crucibles of biodiversity connecting groundwater and surface water ecohydrology
10:45–11:00	248	Gori, Francesca	Combined impact of climate and seismic activity on shallow-to-deep groundwater systems by monitoring hydrogeochemistry in the Eastern Southern Alps, Italy
11:00–11:15	466	Jimenez-Martinez, Joaquin	Reducing nitrate loads to a Mediterranean aquifer: effects of crop-rotation strategies and soil nitrogen gas fluxes
11:15–11:30	496	Ram, Roi	Noble gases record Last Glacial–Holocene water-table decline in the arid southeastern Mediterranean
11:30–11:45	282	Ramos, Maria Luiza	Hydrodynamics of Morro da Água Quente geothermal system and mining feasibility at Fazendão mine, Quadrilátero Ferrífero, southeastern Brazil
11:45–12:00	194	Kivits, Tano	Reconstructing groundwater age and vertical flow paths in a former coal mining area using multi-tracer analysis

Part IV · Thursday, 17-09-2026 · 13:00–14:45 · Room: Bartók

Chairs: **Veysel Süleyman Yavuz**, Ashwani Kumar Tiwari

Time	LID	Presenting author	Presentation title
13:00–13:15	818	Lu, Xinyan	Permafrost-controlled submarine groundwater discharge and sea ice processes amplify radium signals in the Arctic Ocean
13:15–13:30	288	Musy, Stephanie L.	Diffusion-controlled isotope transport and implications for dating fossil groundwater in the Milk River Aquifer (Canada–USA)
13:30–13:45	495	Yang, Guo-Min	^{81}Kr dating of liter-sized groundwater samples enables simple bottle-based field collection
13:45–14:00	478	Mao, Deqiang	Integrating spectral induced polarization with reactive transport modeling to quantify nitrate remediation capacity of permeable reactive barriers
14:00–14:15	605	Jiang, Lei	Interaction between surface water–groundwater and its ecological effects on the lower reaches of Tarim River Basin affected by ecological water conveyance
14:15–14:30	133	Voudouris, Stylianos	Multidisciplinary characterization of a Mediterranean island hydrogeosystem
14:30–14:45	~~601~~	~~Lartsey, Priscilla~~	**CANCELLED** ~~Establishing the origin and mechanism of groundwater recharge in basement aquifers of the north-western Volta River Basin of Ghana, using environmental isotopes and hydrochemistry~~

Session 1.8 Environmental tracers to investigate the anthropogenic impacts on groundwater

Wednesday, 16-09-2026

Part I · Wednesday, 16-09-2026 · 10:00–12:30 · Room: Liszt 1

Chairs: **Stephanie L. Musy**, Brindha Karthikeyan

Time	LID	Presenting author	Presentation title
10:00–10:15	80	**Re, Viviana***	Multi-tracer assessment of nitrate contamination in urban aquifers: the case of Abuja FCT (Nigeria)
10:15–10:30	603	Cisternino, Andrea	Multi-isotope tracers for investigating groundwater quality and biogeochemical processes at a landfill site
10:30–10:45	243	Meiselbach, Kai	Characterisation of spatially and temporally varying surface water and groundwater interaction processes at a MAR site using environmental tracers
10:45–11:00	123	Van Limbergen, Bo	Tackling high nitrate concentrations near a drinking water abstraction site through isotopic analysis and environmental stakeholder management
11:00–11:15	1029	Deák, József	Tracking isotope and nitrate patterns of subsurface pathways in hilly catchments heavily affected by agriculture
11:15–11:30	245	Sangalli, Lorenzo	Assessment of nitrogen-bearing compound sources in the Lomellina rice-paddy area through nitrogen and oxygen isotope analysis in the local phreatic aquifer

Time	LID	Presenting author	Presentation title
11:30–11:45	470	Vadillo, Iñaki	Temporal evolution of emerging contaminants in groundwater from an area irrigated with reclaimed wastewater
11:45–12:00	499	Tomei, Alessio	Occurrence of contaminants of emerging concern and their metabolites in groundwater below a sewage treatment facility
12:00–12:15	739	Turan, Hatice	Integrating environmental isotopes and contaminants of emerging concern to unravel hydrogeological processes in Mediterranean coastal lagoons: a case study of Étang de l'Or (Occitanie, France)
12:15–12:30	203	Currell, Matthew	Contaminants in unexpected places: explaining the occurrence of synthetic chemicals in deep groundwater

** Distinguished Lecturer of this session.*

Part II · Wednesday, 16-09-2026 · 14:45–17:00 · Room: Liszt 1

Chairs: **Frédéric Huneau**, Viviana Re

Time	LID	Presenting author	Presentation title
14:45–15:00	121	Cocca, Daniele	Unraveling the interactions between shallow and deep aquifers analysing groundwater chemical trends: insights from a case study in the Piedmont Po Plain (NW Italy)
15:00–15:15	459	Lobina, Francesca	Nitrogen dynamics and natural attenuation in the unsaturated zone: insights from a high-resolution study in the Arborea NVZ (Italy)
15:15–15:30	784	Gastmans, Didier	Urbanization and overexploitation impacts in a complex aquifer in semiarid region in northeastern Brazil
15:30–15:45	79	Ślósarczyk, Kinga	Occurrence of pharmaceuticals and personal care products in groundwater replenished by managed aquifer recharge at the Świerczków well field site (southern Poland)
15:45–16:00	757	Oldani, Erica	CSIA for assessing chlorinated solvents bioremediation: a user's perspective on the state of practice
16:00–16:15	918	Yu, Lily	Modeling a moving target: a chemical conceptual model for groundwater plumes under changing pumping conditions
16:15–16:30	263	Zainab, Syeda Maria	From sink to spring: how do microplastics behave in a show-cave karst aquifer?
16:30–16:45	822	Farlin, Julien	Using nitrate isotopes and ancillary catchment information on nitrate sources to perform a coupled estimation of source apportionment and denitrification losses in drinking water aquifers
16:45–17:00	365	Árcega Cabrera, Flor	Emerging organic contaminants in the karst aquifer of Yucatán, Mexico: assessing the urban impact of Mérida

Session 2.1 Groundwater-dependent geothermal systems

Tuesday, 15-09-2026

Part I · Tuesday, 15-09-2026 · 10:30–12:30 · Room: Lehár

Chairs: **Ladislaus Rybach**, János Szanyi, Ábel Markó

Time	LID	Presenting author	Presentation title
10:30–10:45	617	**Rybach, Ladislaus***	How to generate power from deep geothermal resources for the growing electricity demand in the future?
10:45–11:00	119	Bofill, Lucas	Overlooked sedimentary heterogeneity as a control on advective groundwater transport: insights from Triassic sandstones, eastern France
11:00–11:15	176	Budai, Soma	Sedimentary architecture of the Mezőberény geothermal aquifer and its control on doublet performance (SE Hungary)
11:15–11:30	153	Pantopoulos, Georgios	Quantifying the geothermal impact of sedimentary heterogeneity through stochastic reservoir modeling: Sergnano Gravel Formation (late Messinian), Po Basin, NW Italy
11:30–11:45	939	Madarász, Tamás	Co-production of geothermal energy and Critical Raw Materials (CRM)
11:45–12:00	473	Velásquez-Parra, Andrés	Aquifer reaction to high-temperature energy storage as a key for a sustainable energy transition
12:00–12:15	244	Vandelois, Guillaume	Assessing the energy storage potential of abandoned longwall coal mines: a coupled hydro-thermo-geomechanical approach in Wallonia (Belgium)
12:15–12:30	565	Markó, Ábel	Geothermal reinjection potential – a parameter to evaluate injection possibilities in siliciclastic aquifers

** Distinguished Lecturer of this session.*

Part II · Tuesday, 15-09-2026 · 16:45–18:30 · Room: Lehár

Chairs: **Ladislaus Rybach**, János Szanyi, Ábel Markó

Time	LID	Presenting author	Presentation title
16:45–17:00	846	Manna, Ferdinando	Modern characterization of fractured dolostone aquifers for safe low-temperature geothermal deployment
17:00–17:15	463	Njeru, Rita Mwendia	Hydro-mechanical coupling and pore-scale clogging controls on injectivity decline in a geothermal sandstone aquifer
17:15–17:30	986	Pál, Lénárd	Geo-Log Ltd.: 35 years of borehole geophysics, well logging, and geological exploration

Time	LID	Presenting author	Presentation title
17:30–17:45	1045	Tiszavári, Sándor	Advanced drilling technologies and a high capacity hybrid geothermal project
17:45–18:00	129	Rman, Nina	Towards a plan for managing abandoned wells in Slovenia – experiences and surprises
18:00–18:15	985	Szlukovinyi, Áron	Geo-Log's activities in thermal water wells in Hungary and the Carpathian Basin
18:15–18:30	581	Glavanov, Gergő	Shallow geothermal energy utilization for more sustainable university campus: a case study from ELTE, Budapest

Session 2.2 Mining Impacts on groundwater systems: hydrogeology, geochemistry and sustainable management

Tuesday, 15-09-2026

Complete session · Tuesday, 15-09-2026 · 16:45–18:45 · Room: Brahms

Chairs: **Zsófia Wáczek**

Time	LID	Presenting author	Presentation title
16:45–17:00	884	**Conrad, Julian***	Steenkampskraal Rare Earths Mine: Baseline hydrogeological monitoring and stakeholder engagement
17:00–17:15	691	Kaczynski, Bartosz	Evolution of hydrogeological conceptual models through feasibility stages and their influence on mining project outcomes
17:15–17:30	306	van der Keur, Peter	Addressing the groundwater gap: harmonizing UNFC E-axis evaluations for mining projects
17:30–17:45	877	Suescun, Luis	How management options change data worth: monitoring design for adaptive post-mining strategies
17:45–18:00	799	Gonzales, Edgard	Integrated geophysical characterization of aquifer depressurization and karstic subsidence induced by open-pit mining in southern Peru
18:00–18:15	191	Puelles-Ramirez, Wilfredo	Bridging numerical modeling and field tracer testing in the unsaturated zone of decommissioned mining sites
18:15–18:30	373	Zaniboni, Linda	Long-term environmental impacts of historical gold mining on soil and water: a comparison between Italian and Portuguese case studies
18:30–18:45	107	Tiwari, Ashwani Kumar	Metal contamination in groundwater in Umaria Coalfield of Madhya Pradesh, India

** Distinguished Lecturer of this session.*

Session 3.3 Monitoring and modeling groundwater-dependent ecosystems: recent advances and traditional knowledge

Thursday, 17-09-2026

Part I · Thursday, 17-09-2026 · 10:00–12:00 · Room: Liszt 2

Chairs: **Richard Cresswell**, Anne Gibson

Time	LID	Presenting author	Presentation title
10:00–10:15	449	**Hinsby, Klaus***	From local springs to global signals: why mandatory national spring monitoring is essential for groundwater status assessments
10:15–10:30	349	Gibson, Anne	Using a novel chain of models to mimic source aquifer depressurisation impacts across the Doongmabulla Springs Complex, Queensland, Australia
10:30–10:45	460	Cresswell, Richard	Multiple lines of evidence provide a holistic and testable conceptualisation of complex ecosystem-groundwater dynamics at the Doongmabulla Springs Complex, Queensland, Australia
10:45–11:00	456	Korbel, Kathryn	Monitoring groundwater ecosystems: lessons from 20 years of sampling in the Murray–Darling Basin, Australia
11:00–11:15	678	Garel, Emilie	Tritium as an indicator of legacy groundwater pollution to Mediterranean ecosystems
11:15–11:30	468	Gargini, Alessandro	Mapping groundwater-dependent ecosystems in a mountain setting: an integrated approach
11:30–11:45	299	Egidio, Elena	Assessing the sensitivity of lowland springs to climate variability and anthropogenic pressures through integrated monitoring
11:45–12:00	46	Chiu, Yung-Chia	Spatial-temporal dynamics of surface water-groundwater interactions in a fragmented alpine headwater stream, Taiwan

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Part II · Thursday, 17-09-2026 · 13:00–14:30 · Room: Liszt 2

Chairs: **Anne Gibson**, Richard Cresswell

Time	LID	Presenting author	Presentation title
13:00–13:15	576	Barrow, Dale	Establishing thresholds of potential concern for adaptive management of the Steenbras Wellfield within the Table Mountain Group Aquifer, South Africa
13:15–13:30	669	Gelsinari, Simone	Quantifying vegetation transpiration from groundwater in Mediterranean forests: an isotope-informed model integration
13:30–13:45	632	Valdambrini, Bruno	Groundwater export and import units mediate Pantanal Wetland hydrological fluxes
13:45–14:00	455	Verreydt, Goedele	An innovative vertical flux sensor for hyporheic exchange monitoring
14:00–14:15	112	Wilson, Paul	Informing conjunctive water management with groundwater–spring modelling in a sand and gravel catchment
14:15–14:30	758	Santoni, Sébastien	Isotope tracers to assess groundwater connectivity in small Mediterranean coastal lagoons: hydrological insights and methodological recommendations

Session 3.5 Nature-based solutions for sustainable groundwater management

Friday, 18-09-2026

Complete session · Friday, 18-09-2026 · 10:30–12:30 · Room: Brahms

Chairs: **Ádám Tóth**, Daniela Benedicto

Time	LID	Presenting author	Presentation title
10:30–10:45	755	**Thomas, Stephen David***	Stormwater attenuation and enhanced infiltration systems to mitigate flooding
10:45–11:00	519	Mádl-Szőnyi, Judit	Nature-based aquifer recharge: experiments and models for public understanding
11:00–11:15	714	Leydier, Thomas	Exploring the potential of nature-based solutions for Mediterranean coastal groundwater-dependant wetlands through a participatory living lab approach
11:15–11:30	663	Simon, Szilvia	Effectiveness of surface water retention through canals in terms of groundwater, in the Danube-Tisza Interfluve, Hungary
11:30–11:45	281	Troelstra, Veerle	Multi-exponential retention of pathogens during subsurface transport
11:45–12:00	140	Puigserver, Diana	Activation of reactive zones in aquitards for the mobilization and degradation of persistent and emerging contaminants
12:00–12:15	500	Vigouroux, Rémi	Multidisciplinary approaches for characterising infiltration in volcanic sinkholes in the context of recurrent flooding of lowlands in northern Rwanda
12:15–12:30	618	Jirasirirak, Sasin	Eco-hydrogeological assessment of Nature-based Solutions (NBS) for flood risk reduction in Thailand using isotope fingerprinting technique and SWAT-MODFLOW simulation

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Session 3.6 Approaches for climate-resilient and sustainable water planning

Tuesday, 15-09-2026

Part I · Tuesday, 15-09-2026 · 14:45–15:45 · Room: Liszt 2

Chairs: **Sorab Panday**, Bill Mok

Time	LID	Presenting author	Presentation title
14:45–15:00	275	**Sbarbati, Chiara***	A game-theoretical approach to sustainable groundwater management: application to a heavily impacted volcanic aquifer
15:00–15:15	564	Buela, Leunell Chris	Adaptive quantification and subsurface monitoring for advancing resilient agricultural technologies (AQUASMART)
15:15–15:30	305	Montoro-Paredes, Christian	Sustainability of managed wetlands in semi-arid agricultural coastal areas transitioning from traditional to modern irrigation practices
15:30–15:45	441	Han, Dongmei	RRV-based assessment of groundwater extraction sustainability in an over-exploited Piedmont Plain

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Part II · Tuesday, 15-09-2026 · 16:45–18:45 · Room: Liszt 2

Chairs: **Sorab Panday**, Bill Mok

Time	LID	Presenting author	Presentation title
16:45–17:00	67	Chilton, John	Long datasets for improved understanding, management and protection of groundwater
17:00–17:15	859	Dinagde, Tolossa Dabi	Assessing groundwater pumping energy consumption through spatially distributed numerical groundwater flow modelling
17:15–17:30	947	Igbinedion Joseph, Jonathan	The dynamic link between economic development and freshwater withdrawal: a global decomposition for country income groups and economic sectors
17:30–17:45	488	Roberts, Josh	Evaluating environmental impacts from abstraction shutdown using the Source Impact Library in UK regional groundwater models
17:45–18:00	335	Marcucci, Victor	Natural asset management framework for aquifers in the Regional Municipality of Peel, Canada
18:00–18:15	400	Grabert, Vicki Kretsinger	Watershed and ecosystem resiliency in Napa County, California: adaptation, collaboration, and conservation as a way of life
18:15–18:30	952	Huttner, Philipp Trabak, Zoltán	Integrated water balance modeling – sustainable and climate-adapted water management in the Borken water catchment area
18:30–18:45	50	Liu, Dedi	Understanding the roles of climate change, land use and land cover change and water diversion project in modulating water- and carbon-use efficiency in Han River Basin

Session 3.8 Aligning Practice and Policy: Building Groundwater Secure Systems through Conjunctive Management and Law

Tuesday, 15-09-2026

Complete session · Tuesday, 15-09-2026 · 16:45–18:45 · Room: Mozart

Chairs: **Shammy Puri**, Ricardo Hirata

Time	LID	Presenting author	Presentation title
16:45–17:00	552	**Puri, Shammy***	Overturning “water bankruptcy”: transforming spontaneous to planned conjunctive management
17:00–17:15	553	Benedicto, Daniela	Eswatini’s Water Act Reform 2026 – towards strengthened groundwater governance and conjunctive management
17:15–17:30	941	Lautze, Jonathan	Second transboundary aquifer monitoring: pioneering a critical tool for conjunctive management of shared water
17:30–17:45	1	Erőss, Anita	A multi-tracer approach to demonstrate groundwater inflows to a soda lake experiencing water-level decline in Hungary
17:45–18:00	534	Tóth, György	Multipurpose utilization of the PANNON XL hydrogeological models used for predictive managements in the Hungarian parts of the Pannonian Basin
18:00–18:15	748	Piasecka, Agnieszka	The process of establishing protected areas of the strategic groundwater resources – Major Groundwater Basins
18:15–18:30	840	Alkaryani, Belkasem	Transboundary aquifer systems in Libya: a comprehensive review of hydrogeology, management, and cooperation frameworks
18:30–18:45	909	Baba Sy, Mohamedou	Integrated transboundary aquifer management in the Sahara–Sahel: lessons from ITTAS and SMAS

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Session 4.1 Big data and machine learning applications in hydrogeology

Wednesday, 16-09-2026

Part I · Wednesday, 16-09-2026 · 10:00–12:30 · Room: Pátria

Chairs: **Katherine Knierim**, Paul Stackelberg, Mason Stahl, Athena Nghiem

Time	LID	Presenting author	Presentation title
10:00–10:15	136	**Podgorski, Joel***	Creating the first global hazard map of manganese contamination of groundwater
10:15–10:30	354	Abdelrahman, Abdelrahman Ahmed Ali	Deep learning-driven 3D hydrogeological modeling and transient groundwater flow modeling in complex, heterogeneous multi-aquifer systems
10:30–10:45	448	Fahs, Marwan	Physics-Informed Neural Networks for modeling groundwater flow
10:45–11:00	531	Mansouri Bajgiran, Maryam	Application of Physics-Informed Neural Networks (PINNs) to seawater intrusion modeling in data-limited environments
11:00–11:15	204	Corthier, Claire	Overcoming uncertainty: machine learning and probabilistic modelling for groundwater exploration in data-scarce areas
11:15–11:30	380	Maniero, Pietro	Integrating monitoring network data and machine learning for groundwater level prediction: a case study in the Euganean Geothermal Field, Veneto Region, NE Italy
11:30–11:45	684	Inoue, Shun	Groundwater-level prediction in a limestone aquifer with a subsurface dam using tree-based ensemble learning

Time	LID	Presenting author	Presentation title
11:45–12:00	639	Loupos, Konstantinos	Explainable assessment of lithium potential in geothermal reservoirs using AI and decision tree models
12:00–12:15	674	Peeters, Luk	Creating large AI training datasets for hydrogeologic generative deep-learning models
12:15–12:30	557	Nghiem, Athena	Generalizing groundwater geochemistry with machine learning: using new methods on a long-standing arsenic problem

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Part II · Wednesday, 16-09-2026 · 14:45–17:00 · Room: Pátria

Chairs: **Katherine Knierim**, Paul Stackelberg, Mason Stahl, Athena Nghiem

Time	LID	Presenting author	Presentation title
14:45–15:00	174	Tseng, Hua-Ting	A hybrid geostatistical–machine learning framework for three-dimensional hydrogeological structure estimation
15:00–15:15	888	Živanović, Vladimir	Hydrochemical clustering and machine learning mapping for urban groundwater suitability and risk assessment in Belgrade
15:15–15:30	683	Kang, Hyun-Ji	Machine learning diagnosis of baseflow index discrepancy between digital filters and hydrochemical tracers across South Korea
15:30–15:45	261	Stackelberg, Paul	Predicting the age of baseflow across the conterminous United States with process-based and random forest modeling
15:45–16:00	184	Knierim, Katherine	Random forest predictions of groundwater salinity across the United States
16:00–16:15	509	Nxumalo, Gift Siphiwe	Soil water content prediction for precision irrigation in maize using phenology-aware remote sensing
16:15–16:30	205	Jeong, Dohwan	A real-time monitoring and prediction study on the establishment of an AI-based drinking groundwater quality and quantity management system
16:30–16:45	906	Mahlknecht, Jürgen	Nationwide machine-learning prediction of arsenic, fluoride, and their joint occurrence in Mexican groundwater: implications for drinking-water exposure and risk management
16:45–17:00	562	Parker, Timothy K	California's regional-scale airborne electromagnetic surveys for mapping hydrogeologic features and managed aquifer recharge potential for adaptation to drying climate

Session 4.2 From data to action: the contribution of groundwater monitoring as a driver of change

Thursday, 17-09-2026 · Friday, 18-09-2026

Part I · Thursday, 17-09-2026 · 10:00–12:00 · Room: Liszt 1

Chairs: **Elisabeth Lictevout**, Andrew Pearson

Time	LID	Presenting author	Presentation title
10:00–10:15	367	**Zaadnoordijk, Willem***	Assessment of groundwater level trends and drought based on the European EUGM database
10:15–10:30	314	Damato, Adriana	Statistical insights from long-term time series of radon and hydrogeochemical signatures in groundwater of the Matese Region, Central-Southern Italy
10:30–10:45	431	Zawadzki, Mateusz	Short-and-dense versus long-and-sparse: trade-offs in groundwater level time series analysis
10:45–11:00	721	Landi, Laura	Exploring climatic drivers of groundwater level changes in the Po Plain (Italy)
11:00–11:15	394	Pensa, Claudia	Century-scale spring discharge trends under climate change in the Southern Apennines (Italy)
11:15–11:30	232	Sprong, Anouk	Temperature-depth profiles at Vitens' riverbank filtration site: Engelse Werk
11:30–11:45	623	Autio, Anna	Digital twins for groundwater resource management? A case study of the Patamäki esker aquifer
11:45–12:00	808	Barberá Fornell, Juan Antonio	An integrated karst groundwater monitoring solution to support local water management from springs and wells intended for urban water supply

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Part II · Thursday, 17-09-2026 · 13:00–15:00 · Room: Liszt 1

Chairs: **Elisabeth Lictevout**, Andrew Pearson

Time	LID	Presenting author	Presentation title
13:00–13:15	745	Stigter, Tibor	Collaborative groundwater monitoring for action in connected environments: from tropical water towers through sand rivers to the coast
13:15–13:30	120	Fernández-Ortega, Jaime	Use of soft sensors to provide real-time sanitary risk assessment in karst springs captured for drinking water supply
13:30–13:45	375	De Filippi, Francesco Maria	A novel groundwater sampling framework incorporating hydrogeological characterization and dynamic purging
13:45–14:00	802	Doummar, Joanna	From assessment to strategy: advancing water quality in Lebanon

Time	LID	Presenting author	Presentation title
14:00–14:15	652	Charbel, Hanna	Water resources monitoring: a key challenge for Lebanon
14:15–14:30	869	Kalwa, Fritz	How to measure groundwater levels with a smartphone? The Groundwater Global app
14:30–14:45	206	Lim, Jeongwon	Reframing groundwater monitoring strategies for nuclear facilities: hydrogeological gaps and future directions from Korean cases
14:45–15:00	929	Piscedda, Fabrizio Antonio	Monitoring-based validation of GALDIT seawater intrusion vulnerability mapping: the Muravera coastal aquifer (SE Sardinia)

Part III · Friday, 18-09-2026 · 10:30–12:00 · Room: Liszt 1

Chairs: **Elisabeth Lictevout**, Andrew Pearson

Time	LID	Presenting author	Presentation title
10:30–10:45	125	Sai Louie, Alice	Assessing the effect of cable orientation in active-DTS-derived groundwater fluxes
10:45–11:00	735	Kumwenda, Steve	Co-designing an optimized groundwater monitoring network for the Shire Transboundary River Basin
11:00–11:15	31	Pisani, Christa M.	Springs as sentinels of hydroclimatic variability: discharge dynamics in the Wied il-Bużbież catchment
11:15–11:30	249	Sartirana, Davide	Reactive transport modelling revealed the key role of methane oxidation in a groundwater hydrocarbon plume
11:30–11:45	239	Lictevout, Elisabeth	Advancing data sharing, dissemination, collaboration and global-scale analysis through the Global Groundwater Monitoring Network
11:45–12:00	446	Mabula, Tholoana	Assessment of groundwater quality in compliance with SDG 6.3.2 set targets: case study of South Africa

Session 4.3 Advances in modeling groundwater dynamics from regional to global scales

Wednesday, 16-09-2026 · Thursday, 17-09-2026

Part I · Wednesday, 16-09-2026 · 10:00–12:30 · Room: Brahms

Chairs: **Chunmiao Zheng**, Laura Condon, Stefan Kollet

Time	LID	Presenting author	Presentation title
10:00–10:15	668	**Maxwell, Reed***	Advancing integrated continental-scale hydrology through democratized data and ML-accelerated modeling
10:15–10:30	901	Frampton, Andrew	Seasonal freeze–thaw controls on groundwater flow and solute transport in an Arctic permafrost hillslope
10:30–10:45	524	Molson, John	Numerical modelling of groundwater flow and permafrost evolution over glacial time scales in the context of a deep geological repository for nuclear waste
10:45–11:00	183	Erdocio, Sébastien	Enhancements in large-scale subsurface flow modeling
11:00–11:15	705	Batelaan, Okke	From conceptual to large-scale integrated hydrological modelling
11:15–11:30	676	Hughes, Andrew	Continental to global-scale modelling to advance the inclusion of groundwater processes
11:30–11:45	915	Fahad, Muhammad	Enabling kilometer-scale global groundwater modeling with performance-portable ParFlow
11:45–12:00	793	Scanlon, Bridget R.	Advancing global aquifer mapping for Earth System Modeling, satellite interpretation, and groundwater sustainability assessments
12:00–12:15	724	Macdonald, Alan	What groundwater processes matter? Developing appropriate groundwater typologies for Earth System Models
12:15–12:30	201	Bishop, Caleb	3D chronostratigraphic mapping of the Murray Basin and Australia's groundwater systems

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Part II · Wednesday, 16-09-2026 · 14:45–17:00 · Room: Brahms

Chairs: **Stefan Kollet**, Chunmiao Zheng, Laura Condon

Time	LID	Presenting author	Presentation title
14:45–15:00	304	Iván, Veronika	Integrated near-surface geophysics for characterizing river–aquifer interactions in a transboundary aquifer: the Vipava/Vipacco River, Soča/Isonzo Basin (Slovenia–Italy)
15:00–15:15	670	Zolezzi-Lopez, Jose	Spatio-temporal changes of river–aquifer interactions in north-central Bangladesh
15:15–15:30	417	Egli, Nina	Geological and hydrogeological modeling of the Red River Delta to understand the origin of dissolved arsenic
15:30–15:45	34	Panthi, Jeeban	Integrating geophysics and numerical modeling to predict groundwater storage change in region with thick vadose zone
15:45–16:00	506	Franco, Federico Emanuel	Diagnosing groundwater storage dynamics through a Budyko-based framework: a comparative analysis of Alpine and Mediterranean catchments

Time	LID	Presenting author	Presentation title
16:00–16:15	241	Hinton, Rebekah	Collaborative groundwater modelling for northern Uganda
16:15–16:30	762	Hughes, Joseph	Groundwater pumpage-induced streamflow capture in the continental United States
16:30–16:45	681	Markovich, Katherine H.	Exploring the promise of InSAR ground deformation in regional groundwater simulation
16:45–17:00	486	Van Putte, Niels	Continuous in situ groundwater flux monitoring in dynamic aquifer systems: validation of the iFLUX sensor

Part III · Thursday, 17-09-2026 · 13:00–14:45 · Room: Brahms

Chairs: **Laura Condon**, Stefan Kollet, Chunmiao Zheng

Time	LID	Presenting author	Presentation title
13:00–13:15	309	Marin Rivera, Carlos Felipe	Unravelling response times in regional groundwater systems: implications for the past and the future
13:15–13:30	236	Nagheli, Setareh	Identifying relative sources of groundwater recharge in the Indus alluvial aquifer using a new canal module within a coupled VIC–groundwater model
13:30–13:45	193	Birk, Steffen	Response of groundwater levels to interactions between recharge and irrigation in a changing climate (Seewinkel, Austria)
13:45–14:00	48	Wang, Xihua	Multi-indicators to investigate the spatiotemporal effect of groundwater–lake interaction on lake development
14:00–14:15	144	Chesnaux, Romain	Analytical hydrogeology of unconfined Dupuit-type aquifers
14:15–14:30	393	King, Jude	From global datasets to risk maps: an integrated framework for 3D modelling of coastal groundwater salinity
14:30–14:45	754	Thomas, Stephen David	Hydraulic absement analysis of pumping tests

Session 4.4 21st-century groundwater quality challenges

Thursday, 17-09-2026 · Friday, 18-09-2026

Part I · Thursday, 17-09-2026 · 13:00–14:45 · Room: Lehár

Chairs: **Gualbert Oude Essink**, Jeeban Panthi

Time	LID	Presenting author	Presentation title
13:00–13:15	273	Mahieu, Anthony	Compositional PCA and t-SNE radar signatures toward an integrated hydrogeological assessment of PFAS in a fractured chalk aquifer
13:15–13:30	192	Patel, Raghav	A national-scale preliminary overview study of poly- and perfluoroalkyl substances (PFAS) occurrence in aquatic environments of England, UK
13:30–13:45	58	Nakagawa, Kei	Vertical distribution of PFAS in coastal sediments of Ōmura Bay: a proxy for long-term anthropogenic contamination from terrestrial sources
13:45–14:00	10	November, Jeroen	Addressing PFAS contamination in the groundwater abstraction site 'Heverlee Abdij' (De Watergroep, Belgium): monitoring, challenges, and strategic responses
14:00–14:15	218	Stahl, Mason	Hydrologic controls on arsenic contamination of rice and groundwater: insights from Cambodia
14:15–14:30	55	Goni, Ibrahim Baba	Heavy metals contamination in groundwater and associated human health risk in semi-arid Katsina State, northwestern Nigeria
14:30–14:45	348	Sun, Yuanyuan Zheng, Mingxia	Long-term stabilization of chromite ore processing residue via elemental sulfur disproportionation for groundwater contamination mitigation

Part II · Friday, 18-09-2026 · 10:30–12:30 · Room: Lehár

Chairs: **Gualbert Oude Essink**, Jeeban Panthi

Time	LID	Presenting author	Presentation title
10:30–10:45	474	Li, Lu	Migration mechanism and health risk warning of polycyclic aromatic hydrocarbons in karst groundwater of industrial cities in China
10:45–11:00	146	Li, Zhuolin	Spatial variability of groundwater nitrate and fecal sterol signatures in an intensively farmed area of western Japan
11:00–11:15	251	Zanotti, Chiara	Time-series clustering to assess trend reversals in groundwater nitrate concentrations at a regional scale
11:15–11:30	138	Tackley, Hayden	Estuaries as amplifiers of coastal salinization: implications for soil, groundwater, and agriculture
11:30–11:45	549	Elçi, Alper	Evaluation of bio-treated manure application impact on groundwater quality using advanced reactive transport models
11:45–12:00	312	Mali, Nina	Improved methods for assessing microplastic transport in groundwater: the GWMicroPlast project
12:00–12:15	210	Liu, Yaci	Microplastics in multiple environmental media along a land–sea continuum
12:15–12:30	~~286~~	~~Diene, Mandiaye~~	**CANCELLED** ~~Emerging organic contaminants in urban surface and groundwater systems: the case of Thiaroye, Dakar (Senegal)~~

Session 4.5 Groundwater temperatures in a warming climate: risks, opportunities, and pathways for sustainable thermal management

Friday, 18-09-2026

Complete session · Friday, 18-09-2026 · 10:30–12:15 · Room: Bartók

Chairs: **Elena Egidio**, Eric Zechner

Time	LID	Presenting author	Presentation title
10:30–10:45	360	**Bense, Victor***	Quantifying pumping-induced vertical groundwater fluxes using transient temperature–depth profiles
10:45–11:00	440	Tomita, Shohei	Development of a groundwater flow estimation method using cooling thermal response test focused on freezing–thawing processes
11:00–11:15	782	Benoit, Nicolas	Assessing a sub-river talik aquifer in continuous permafrost: implications for potential water supplies in Arctic regions
11:15–11:30	73	Asalu, David	Data-driven assessment of groundwater temperature effects on redox-sensitive Fe and Mn in the Israeli coastal aquifer: implications under future warming
11:30–11:45	159	Moeck, Christian	Groundwater warming in Switzerland: trend analyses, seasonal dynamics, and hydrogeological controls
11:45–12:00	351	Berta, Alessandro	Practical implications of urban modelling for open-loop geothermal systems: a MODFLOW 6–FEFLOW 10 Comparison from an Italian case study
12:00–12:15	919	Previati, Alberto	Risk-based geothermal planning in the Milan urban area using surrogate modeling

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Session 4.6 Data-driven and hybrid methods for groundwater vulnerability assessment

Friday, 18-09-2026

Complete session · Friday, 18-09-2026 · 10:30–12:30 · Room: Liszt 2

Chairs: **Stefania Stevenazzi**, Petra Baják, Gianluigi Busico, Dawid Potrykus

Time	LID	Presenting author	Presentation title
10:30–10:45	717	Zavridou, Efthymia	“GrounDwater sAlinizaTion and pollution AsseSsmEnt Tool” (DATASET) index, a holistic vulnerability assessment framework specifically designed for coastal aquifers
10:45–11:00	776	Ez-Zaouy, Yassine	Multi-site assessment of open-access global data for coastal groundwater vulnerability mapping
11:00–11:15	137	Baják, Petra	Assessing groundwater vulnerability to nitrate contamination in a rice-growing district (northern Italy) using generalized linear regression models
11:15–11:30	483	Fancello, Vittorio	Surface–groundwater investigations to support ex-ante evaluations of water withdrawals
11:30–11:45	555	Hall, Ben	Advanced recharge analysis to support groundwater management: Western Port Basin, Australia
11:45–12:00	911	Shi, Wenwen	Groundwater pollution risk assessment based on GIS and game theory combination weighting: a case study of the oasis area in the Hotan River Basin
12:00–12:15	110	Zhu, Yuchen	A dual perspective on soil heavy-metal ecological risk: parallel pathways of intrinsic intensity and spatial spillover
12:15–12:30	622	Liu, Jun	Hybrid model for enhanced groundwater level estimation

Session 4.8 Groundwater model optimization and uncertainty

Wednesday, 16-09-2026

Part I · Wednesday, 16-09-2026 · 10:00–12:30 · Room: Liszt 2

Chairs: **Jeremy White**, Katie Markovich, Joe Hughes

Time	LID	Presenting author	Presentation title
10:00–10:15	370	Cavana, Elettra	Optimizing monitoring effort for numerical modelling of fractured sedimentary aquifers
10:15–10:30	254	Mosquera, John	Conceptual hydrogeological model testing and refinement using numerical modelling in a complex glaciated environment
10:30–10:45	395	Guillemoto, Quentin	Hydrogeological modelling of the Nord–Artois–Picardie Chalk hydrosystem for sustainable water management: multidisciplinary approach for conceptual and structural controls
10:45–11:00	479	Rolf, Lukas	Characterizing a multilayer aquifer system with a multiphase pumping test using a shifted reference time approach

Time	LID	Presenting author	Presentation title
11:00–11:15	~~246~~	~~Fekri, Maziar~~	**CANCELLED** ~~Trustworthy recharge estimates from Pastas: a practical framework for robust recharge estimation from time series analysis of groundwater level data~~
11:15–11:30	772	Marin Rivera, Carlos Felipe	How can radiocarbon data assimilation improve estimates of sustainable abstraction volumes in confined aquifer systems? A case study from the Aquitaine Basin
11:30–11:45	315	Standen, Kath	Efficient adjoint analysis for estimation of stream capture to support groundwater abstraction management in the UK
11:45–12:00	235	Olasz, Tamás	Decision support tool in GoldSim for managing and optimizing remediation activities
12:00–12:15	196	Fienen, Michael	Beyond streamflow: managing tradeoffs between economy and ecology in high-capacity well evaluation
12:15–12:30	427	Comte, Jean-Christophe	Estimating aquifer dual-porosity transport properties through geoelectrical imaging of road salt plumes

Part II · Wednesday, 16-09-2026 · 14:45–16:45 · Room: Liszt 2

Chairs: **Jeremy White**, Katie Markovich, Joe Hughes

Time	LID	Presenting author	Presentation title
14:45–15:00	422	Petitjean, Zoé	Combining geological knowledge and observations to improve predictions of transport models
15:00–15:15	267	Moghimi Benhangi, Saman	Disentangling geological and parametric contributions to predictive uncertainty in groundwater flow models: a variance-based framework
15:15–15:30	675	García-Gámez, Marta	Geological characterization with stochastic modeling for a managed aquifer recharge site
15:30–15:45	81	Speijer, Lara	Can groundwater flux measurements constrain uncertainties in groundwater flow modelling for managed aquifer recharge assessment?
15:45–16:00	128	Hugman, Rui	Model emulation made simple with pyEMU
16:00–16:15	539	Nienhuis, Philip	Effects of aquifer scheme choices on calibration reliability
16:15–16:30	883	Abdelshahid, Steven	Optimized geometric selection algorithms for large 3D datasets in groundwater modelling
16:30–16:45	876	Suescun, Luis Camilo	Complex or Simple—Getting the Best of Both Worlds in Groundwater Modelling for Mine Dewatering

Session 5.1 Groundwater and climate change: predictive studies and forecasting methods

Thursday, 17-09-2026 · Friday, 18-09-2026

Part I · Thursday, 17-09-2026 · 10:00–12:15 · Room: Pátria

Chairs: **Tibor Stigter**, Manuela Lasagna

Time	LID	Presenting author	Presentation title
10:00–10:15	272	Agudelo Mendieta, Tania	Climate Collaboratorium: transdisciplinary groundwater modelling to support community-based climate change adaptation, case study of the mining region of Rietschen (Görlitz, Germany)
10:15–10:30	265	Campanya, Joan	Groundwater level forecasting for climate change adaptation in Ireland
10:30–10:45	155	Upton, Kirsty	Forecasting yields from public water supply boreholes
10:45–11:00	507	Ndakola, Hilja	Assessing the impacts of climate and land use/land cover change on groundwater recharge and discharge patterns – a case study of the Windhoek Aquifer, Namibia
11:00–11:15	316	Gros, Emile	Impact of climate change on the river flow dynamics over recent decades on a tropical volcanic island: the northeast of Martinique
11:15–11:30	108	Bhattacharya, Ankita	Impact of groundwater in compound flood events: a case study of the Conwy Estuary in Wales
11:30–11:45	653	Bosserelle, Amandine	Mapping New Zealand coastal shallow groundwater vulnerability to sea-level rise
11:45–12:00	900	Dorofeev, Ilia	Evaluation of the impact of agricultural practices on groundwater levels, mineralization and salt accumulation in the Republic of Karakalpakstan, Uzbekistan
12:00–12:15	607	Kovács, Balázs	Decline of groundwater resources in the Pannonian Basin – the impact of climate change on a vulnerable aquifer system

Part II · Friday, 18-09-2026 · 10:30–12:15 · Room: Pátria

Chairs: **Okke Batelaan**, Attila Kovács

Time	LID	Presenting author	Presentation title
10:30–10:45	224	Schuler, Philip	Mapping the vulnerability of groundwater to drought using ensemble-based reconstructed groundwater level time series
10:45–11:00	408	Redaelli, Agnese	Irrigation practice changes versus meteorological drought: a numerical modeling assessment of aquifer depletion
11:00–11:15	510	Gizzi, Martina	Hydrogeological analysis of a mountain spring in the Aosta Valley (NW Italy): Insights from harmonic and isotopic approaches

Time	LID	Presenting author	Presentation title
11:15–11:30	389	Mourot, Frederique	Enhancing groundwater recharge projections insights by learning from the past
11:30–11:45	242	Arinaitwe, Miriam	Climate change impacts on groundwater recharge in the Mitchells Plain West Catchment of the Cape Flats Aquifer
11:45–12:00	871	Mohammed, Sarkhel H.	An integrated framework for groundwater potential mapping and spatiotemporal trend assessment in the Erbil Regional Groundwater Basin, northern Iraq
12:00–12:15	40	Szűcs, Péter	Possible solutions for the extreme water management situations in Hungary

Session 5.2 Managed aquifer recharge: essential for groundwater security?

Thursday, 17-09-2026

Complete session · Thursday, 17-09-2026 · 10:00–11:45 · Room: Brahms

Chairs: **Aqeela Parker**, Julian Conrad

Time	LID	Presenting author	Presentation title
10:00–10:15	16	**Mumberg, Tabea***	Understanding PFAS in MAR systems – insights into seasonal variations, mobility, and local sources
10:15–10:30	135	Chow, Reynold	Enhancing groundwater resilience to drought through integrated modelling, Earth Observation and managed aquifer recharge: insights from the AQUIGROW project
10:30–10:45	170	Schultze, Anne	Securing water supply for agriculture with storm-water based managed aquifer recharge
10:45–11:00	457	De Louw, Perry G.B.	Large-scale groundwater abstraction beneath a freshwater lake for long-term sustainable drinking water supply
11:00–11:15	43	Brody, Sigal	Quantifying effluent residence time in a large-scale SAT system: insights from a large-scale field tracer test
11:15–11:30	604	Janik, Krzysztof	Integrated monitoring reveals hydrochemical shifts in a riverbank filtration system under sustained river impoundment
11:30–11:45	1046	Krasznói, Anna	Decentralised wastewater treatment as a tool for local water retention

** Distinguished Lecturer of this session.*

Session 5.3 Progressive advances in urban hydrogeological processes

Tuesday, 15-09-2026

Part I · Tuesday, 15-09-2026 · 10:30–12:30 · Room: Pátria

Chairs: **Jane Dottridge**, Klara Žagar

Time	LID	Presenting author	Presentation title
10:30–10:45	885	**La Vigna, Francesco***	Revealing Rome's hidden waters: innovation and urban hydrogeology in CARG Thematic Sheet No. 374
10:45–11:00	619	Batelaan, Okke	Conceptual uncertainty: the elephant in the room
11:00–11:15	464	Di Curzio, Diego	Transient time series analysis to identify anomalous aquifer recharge in the Shenzhen Megacity, China
11:15–11:30	598	Schirmer, Mario	Changes in groundwater recharge under urban development: an increase in quantity is the rule
11:30–11:45	290	Hajizadeh Javaran, Mohammad Reza	3D framework for integrated urban groundwater management
11:45–12:00	882	Moraru, Irina	Integrated urban groundwater modelling for sustainable subsurface planning: Tei area, Bucharest case study
12:00–12:15	227	Hastreiter, Nele	Warming up the subsurface: how buildings shape underground temperatures in changing urban environments
12:15–12:30	301	Egidio, Elena	Assessing and comparing subsurface urban heat island intensity across European cities: towards a harmonised framework

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Part II · Tuesday, 15-09-2026 · 14:45–15:30 · Room: Pátria

Chairs: **Jane Dottridge**, Francesco La Vigna

Time	LID	Presenting author	Presentation title
14:45–15:00	382	Dohmwirth, Verena	Subsurface thermal patterns

Time	LID	Presenting author	Presentation title
15:00–15:15	302	Hirsch, Florian	Groundwater reservoirs as central components of a sponge city: basic principles, concepts and new approaches
15:15–15:30	845	Ahmed, Kazi Matin Uddin	Transformation of Gazipur from agricultural hub to industrial–urban hotspot and consequential adverse impacts on underlying groundwater

Part III · Tuesday, 15-09-2026 · 16:45–18:30 · Room: Pátria

Chairs: **Klara Žagar**, Radu Gogu

Time	LID	Presenting author	Presentation title
16:45–17:00	829	Wang, Jianxiu	New-stage groundwater recharge strategy optimization to control land subsidence in Shanghai
17:00–17:15	682	Maldaner, Carlos	Fiber optic distributed temperature sensing deployment scenarios for high-resolution hydrogeologic characterization and monitoring
17:15–17:30	332	Taucare, Matías	Hydrogeochemical responses to urbanisation in an estuarine aquifer: insights from Río Valdivia Estuary (southern Chile)
17:30–17:45	1001	Aceves Padilla, Danael	Urban growth and groundwater recharge decline in Monterrey
17:45–18:00	752	Freitas, Lívia	Looking at the micro level to address macro nitrate contamination problems in the Bauru Aquifer System (Brazil)
18:00–18:15	511	Makahane, Rendani	Assessing shallow groundwater occurrence in Lebowa Granite Suite: Winterveld, North West, South Africa
18:15–18:30	22	Ding, Zhenyu	The pollutants distribution profiles and health risks of groundwater and soil around the waste landfills: a study of 12 waste landfills in Guangxi Province, China

Session 5.4 Managed aquifer recharge for climate change adaptation

Wednesday, 16-09-2026 · Thursday, 17-09-2026

Part I · Wednesday, 16-09-2026 · 10:00–12:30 · Room: Lehár

Chairs: **Catalin Stefan**, Rudy Rossetto, Daniela Benedicto van Dalen

Time	LID	Presenting author	Presentation title
10:00–10:15	62	**Pearson, Andy***	New highlights on MAR implementation worldwide from the 2026 update of the Managed Aquifer Recharge (MAR) Portal
10:15–10:30	222	Alam, Mohammad Faiz	Assessment of small-scale managed aquifer recharge (MAR) in India
10:30–10:45	515	Baumann, Thomas	Stormwater managed aquifer recharge in pre-alpine catchments
10:45–11:00	320	Meggiorin, Mara	Managed aquifer recharge and volumetric water benefit accounting for sustainable water management in northeast Italy
11:00–11:15	229	Petitta, Marco	Hydrogeological monitoring for the assessment of managed aquifer recharge (MAR) techniques: a case study in the Alban Hills region (Rocca Priora, Rome, Italy)
11:15–11:30	388	Montecinos, Claudia Medina	From science to policy: an action plan to adopt agricultural managed aquifer recharge as a drought adaptation measure in Lombardy, Italy
11:30–11:45	25	Engelhardt, Irina	Managed aquifer recharge in confined multi-layer aquifers: a methodological framework for drought-resilient water management
11:45–12:00	716	Prayag, Ankita	Integrated hydrogeophysics and hydrogeological modelling to support managed aquifer recharge and climate-resilient groundwater supply
12:00–12:15	649	Stefan, Catalin	Assessing the feasibility of MAR for climate-resilient water supply in humanitarian contexts: the case of Dollow, Somalia
12:15–12:30	811	Chen, Zhao	An integrative approach focusing on MAR to increase the climate resilience of the water supply in the European city of Görlitz-Zgorzelec on the German-Polish border

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Part II · Wednesday, 16-09-2026 · 14:45–17:00 · Room: Lehár

Chairs: **Catalin Stefan**, Rudy Rossetto, Daniela Benedicto van Dalen

Time	LID	Presenting author	Presentation title
14:45–15:00	57	Lee, Sang-Il	Groundwater dams as a strategy for water supply diversification: efforts in South Korea
15:00–15:15	333	Gutierrez, Alexis	Enhancing water supply through MAR systems at Jijiga, Somali Region, Ethiopia
15:15–15:30	648	Matta, Jay	Enhancing groundwater sustainability in northern Iraq: lessons from managed aquifer
15:30–15:45	139	Augustin, Lea	Automated operation of a rural stormwater-based MAR scheme
15:45–16:00	540	Hartog, Niels	Considerations for well design and operation of aquifer storage and recovery of fresh water in saline aquifers
16:00–16:15	297	Villagrán Marroquín, Marylidia	Aquifer storage, transport and recovery for water reuse: a case study of the NATALIE project in Belgium

Time	LID	Presenting author	Presentation title
16:15–16:30	861	Benavides Höglund, Nikolas	A combined Pastas and MODFLOW approach for characterizing groundwater recharge and MAR potential on Öland
16:30–16:45	525	Mamo, Julian	Valley dams as in-channel MAR in Mediterranean intermittent rivers and ephemeral streams: monitoring recession and recharge in Malta
16:45–17:00	898	Valdes, Danièle	RECHARGE project: opportunities and limits of NWRMs to promote groundwater recharge: toward a transdisciplinary co-constructed research-action

Part III · Thursday, 17-09-2026 · 10:00–12:00 · Room: Lehár

Chairs: **Catalin Stefan**, Rudy Rossetto, Daniela Benedicto van Dalen

Time	LID	Presenting author	Presentation title
10:00–10:15	660	Ridavits, Tibor	A MAR-supported riverbank filtration system – challenges and opportunities
10:15–10:30	501	Grischek, Thomas	Effects of climate change and pond management on bank filtration at Sdier, Germany
10:30–10:45	567	Mazzon, Pietro	Irrigation–groundwater interactions as allies in climate change adaptation: results from an Ag-MAR application
10:45–11:00	426	Panday, Sorab	Decision support tools for scientific storytelling
11:00–11:15	327	Rodriguez Lache, Erika	Assessing the impact of adjustable weirs on groundwater availability and crop performance in Flanders, Belgium.
11:15–11:30	520	Mustafa, Syed	MAR as a sustainable solution? Co-creating groundwater management strategies to improve salinity resilience in deltas
11:30–11:45	392	Li, Zhengyan	Enhancing baseflow resilience through managed aquifer recharge: quantifying groundwater system response to ecological water replenishment in the North China Plain
11:45–12:00	386	Karthikeyan, Brindha	Assessment of groundwater recharge by irrigation tanks in weathered hard rock regions

Session 6.1 Groundwater for water security and resilience in low- and middle-income countries (LMICs)

Tuesday, 15-09-2026

Part I · Tuesday, 15-09-2026 · 10:30–12:30 · Room: Mozart

Chairs: **Kirsty Upton**, Tichazvipedza Fadzai Munodawafa

Time	LID	Presenting author	Presentation title
10:30–10:45	543	Adamson, James	Groundwater mapping interrupted: lessons from two contrasting hydrogeologic regions in Haiti
10:45–11:00	467	Petre, Marie-Amélie	Governance pathways for transboundary groundwater cooperation: lessons from Zambia
11:00–11:15	99	Dodd, Carla	The thirst for data – establishing a robust O- and H-isotope record for a water-stressed region in the southern hemisphere
11:15–11:30	161	Rakotondrabe, Miora Harivony	Hydrogeological monitoring of water resources during Kéré drought events in Androy, southern Madagascar (1991 and 2015)
11:30–11:45	667	Holliday, Laura	Hydrogeological typologies of the aquifer systems underlying Lagos State, Nigeria
11:45–12:00	620	Händel, Falk	Numerical water balance and groundwater modeling as part of regional MAR feasibility assessment in Dollow, Somalia
12:00–12:15	330	van den Berg, Harmen	Hydrogeology beyond the textbook – verifying deep aquifer potential in arid Somalia
12:15–12:30	287	Mondal, Mijanur	Integrating isotopes, hydrogeochemistry, and the water–society nexus to evaluate coastal aquifer salinization and water security under hydroclimatic and socioeconomic stress: insights from the Indian Sundarbans

Part II · Tuesday, 15-09-2026 · 14:45–15:45 · Room: Mozart

Chairs: **Kirsty Upton**, Tichazvipedza Fadzai Munodawafa

Time	LID	Presenting author	Presentation title
14:45–15:00	823	Evans, Paul	Groundwater for water security in the agro-pastoral LMIC setting of northern Côte d'Ivoire
15:00–15:15	404	Mishra, Pratibha	Are the groundwater levels recovering in the Indo-Gangetic Basin?
15:15–15:30	905	Ewers, Lorenz	Beyond infrastructure: structuring social engagement for sustainable MAR in fragile contexts
15:30–15:45	824	Koshliakova, Tetiana	Groundwater depletion following the destruction of the Kakhovka Dam (Ukraine): hydrogeological consequences and emerging risks

Session 6.2 Advancing socio-hydrogeology: bridging groundwater science, social systems, and decision-making

Tuesday, 15-09-2026

Part I · Tuesday, 15-09-2026 · 10:30–12:30 · Room: Brahms

Chairs: **Viviana Re**, Xander Huggins

Time	LID	Presenting author	Presentation title
10:30–10:45	49	**Adams, Shafick***	Groundwater as a socio-hydrogeological system: lessons from community-led multiple-use water services in rural South Africa
10:45–11:00	447	Black, Alastair	When groundwater models leave the modeller: evidence, precaution and decision
11:00–11:15	621	Zambelli, Barbara	Microplastics in groundwater: exploring the risk perception of domestic water users in Italy
11:15–11:30	472	Plagnes, Valérie	From hydrogeology to perception: a participatory framework for co-producing water knowledge in a risk-prone mountain territory
11:30–11:45	399	Lee, Shih-Yao	Participatory groundwater management in a subsidence-prone region: from focus groups to scenario workshops in Yunlin, Taiwan
11:45–12:00	188	Cuthbert, Mark	What is groundwater? Finding a way back to the source of a modern abstraction
12:00–12:15	238	Erostate, Mélanie	20,000 years underground, today in your glass: turning groundwater age into a public awareness movement in southwest France
12:15–12:30	70	Gleeson, Tom	Groundwater connected art: practicing arts-based research to enrich how hydrogeology engages people, place and other disciplines

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Part II · Tuesday, 15-09-2026 · 14:45–15:30 · Room: Brahms

Chairs: **Viviana Re**, Xander Huggins

Time	LID	Presenting author	Presentation title
14:45–15:00	415	Moreno, Miguel	Drought in the Central American Dry Corridor: a comparative regionalism perspective on impacts and the need for transboundary groundwater-based solutions
15:00–15:15	338	Guzman-Rojo, Mónica	Design principles and early evaluation of science communication resources for post-wildfire groundwater resilience in Bolivia: a pilot case in the Chiquitania lowlands
15:15–15:30	326	Zipper, Sam	Groundwater stress and emerging solutions in the U.S. High Plains Aquifer

Session 6.4 Hydrogeology education – good practices and new openings

Thursday, 17-09-2026

Complete session · Thursday, 17-09-2026 · 13:00–15:00 · Room: Mozart

Chairs: **Kirsti Korkka-Niemi**, Niina Kuosmanen, Ádám Tóth

Time	LID	Presenting author	Presentation title
13:00–13:15	529	Kalwij, Ineke	The Groundwater Project: global groundwater education
13:15–13:30	101	Misstear, Bruce	Hydrogeology education: the role of groundwater engineering
13:30–13:45	747	Kowalczyk, Agnieszka	Hydrogeological education – optional knowledge or a higher necessity?
13:45–14:00	453	Sandhu, Cornelius	Development of higher education modules on managed aquifer recharge – a nexus approach
14:00–14:15	722	Tóth, Ádám	Educating for the green transition: embedding GreenComp in groundwater education
14:15–14:30	517	Kuosmanen, Niina	Collaborative hydrogeology field school: integrating teaching, research, and professional training
14:30–14:45	74	Sapiano, Manuel	The Thirsty Knight – groundwater management in historic times
14:45–15:00	944	Erhardt, Ildikó	Students' knowledge and attitudes towards groundwater and nature-based managed aquifer recharge – effects of a short educational intervention

Session 6.5 Role of hydrogeologists in geological surveys — their work, impact, and benefits to society

Tuesday, 15-09-2026

Complete session · Tuesday, 15-09-2026 · 10:30–12:30 · Room: Liszt 2

Chairs: **Bartolomé Andreo Navarro**, Laurence Gourcy, Zsóka Szabó

Time	LID	Presenting author	Presentation title
10:30–10:45	352	Broda, Stefan	Pan-European groundwater assessment enabled by the European Groundwater Monitoring (EUGM) Database
10:45–11:00	764	de la Losa, Almudena	Operational hydrogeology in extreme events: contributions from the disaster and emergency advisory group of the Geological and Mining Institute of Spain (IGME-CSIC)
11:00–11:15	651	Gourcy, Laurence	Water resources expert group of the Geological Surveys of Europe – role and activities
11:15–11:30	664	Kuczynska, Anna	Hydrogeological interventions – the role of the Polish Geological Survey in supporting governmental institutions, local governments and society in field of hydrogeology
11:30–11:45	578	Püspöki, Zoltán	Geological mapping of unconfined Quaternary fluvial aquifers aided by log-facies correlation and climato-stratigraphic methods
11:45–12:00	154	Gourcy, Laurence	Construction of groundwater vulnerability maps in a river basin with few data on groundwater and pressure in the Dominican Republic
12:00–12:15	763	Guardiola Albert, Carolina	Hydrogeologists at the Spanish science–policy interface
12:15–12:30	839	Hinsby, Klaus	EuroGeoSurveys: bridging geoscience and policy for groundwater and subsurface integrated spatial planning in a changing world

Special Session for József Tóth

Tuesday, 15-09-2026

Complete session · Tuesday, 15-09-2026 · 16:45–18:25 · Room: Liszt 1

Chairs: **Judit Mádl-Szőnyi**, Brigitta Czauner

Time	LID	Presenting author	Presentation title
16:45–16:55	1048	Mádl-Szőnyi, Judit	Before Me Stood the Living Genius of Hydrogeology, Joe Tóth – A Personal Reflection
16:55–17:05	1049	Verweij, Hanneke	Prof. Joe Tóth's Inspiring Role in the Development of Research into Groundwater Systems on Geological Timescales in the Netherlands since the Late 1980s
17:05–17:15	1050	Zheng, Chunmiao	How József Tóth's Theory of Regional Groundwater Flow Systems Helped Launch My Career
17:15–17:25	1051	Rybach, Ladislaus	The "Hungarian Hydrogeology Mafia"
17:25–17:35	1056	Czauner, Brigitta	From basin hydraulics to personal memories: Remembering József Tóth
17:35–17:45	1052	Currell, Matthew	The 2013 Regional Groundwater Flow Symposium and Prof. Tóth's 80th Birthday Celebration
17:45–17:55	1053	Tóth, Ádám	What Does It Mean to Stand in the Landscape Where a Scientific Idea Was Born?
17:55–18:05	1054	Batelaan, Okke	Celebrating József (Joe) Tóth (1933–2026)
18:05–18:15	1055	Szanyi, János	The Eternal Secret of Jóska
18:15–18:25	1057	Szőcs, Teodóra	The lasting legacy of Professor Tóth