Hydrological Sciences | 14–19 April 2024

Monday 15 April

Oral sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
3.16/17	HS8.2.12	HS8.2.12		HS5.1.1	HS5.1.1
3.29/30	HS9.6	HS9.6		HS4.8	HS4.8
B	HS8.3.2	HS8.3.2		HS8.1.8	HS8.1.8
C					
2.15	HS8.1.7	HS8.1.7		HS8.1.5	HS8.1.3
2.17	HS1.1.10	HS2.2.9		HS2.1.9	HS1.2.5
2.23					
2.31	HS2.1.4	HS2.1.4		HS3.9	HS3.9
2.44	HS3.5	HS3.5		HS1.3.5	HS1.3.5
1.31/32					

Pico sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
A - Hall A	HS1.1.2	HS1.1.2			HS1.1.2
3 - X3					

Posters:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
Hall A vHall A		HS1.2.5 HS2.3.8 HS4.3 HS5.2.1 HS6.1 HS8.1.3		Virtual posters	HS1.1.10 HS1.2.1 HS2.1.4 HS2.1.9 HS3.5 HS8.1.7 HS8.2.12 HS8.3.2 HS9.6

Tuesday 16 April

Oral sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
3.16/17	HS3.1	HS3.1	HS Division Meeting (Room B)	HS8.3.3	HS8.3.3
3.29/30	HS6.1	HS4.8		HS6.1	HS6.1
B	HS8.3.2	HS8.1.8		HS8.2.1	HS8.2.1
C					
2.15	HS9.2	HS9.3		HS4.3	HS4.6
2.17					
2.23					
2.31	HS5.2.1	HS2.2.5		HS5.2.2	HS3.2
2.44	HS7.2	HS7.2		HS2.3.8	HS2.3.8
1.31/32					

Pico sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
A - Hall A	HS4.1	HS2.5.3			HS5.3.3
3 - X3	HS7.4	HS6.4			

Posters:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
Hall A vHall A		HS2.1.12 HS2.2.9 HS3.2 HS3.9 HS4.6 HS5.1.1 HS5.1.3 HS8.1.5		Virtual posters	HS1.3.5 HS2.2.5 HS3.1 HS4.8 HS6.3 HS7.2 HS8.1.8 HS9.2 HS9.3

Wednesday 17 April

Oral sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
3.16/17	HS3.1	HS2.1.5		HS2.1.5	HS8.3.3
3.29/30	HS6.3	HS10.6		HS6.3	HS6.3
B	HS2.4.3	HS7.5		HS7.5	HS8.2.1
C					
2.15	HS5.1.2	HS8.1.2		HS2.3.5	HS5.3.4
2.17					
2.23					
2.31	HS7.1	HS1.3.3		HS2.3.2	HS2.3.2
2.44	HS1.1.3	HS1.1.3		HS8.2.14	HS8.2.14
1.31/32	HS2.3.3	HS2.3.3			

Pico sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
A - Hall A	HS6.10	HS5.3.5			HS4.4
3 - X3					HS7.9

Posters:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
Hall A vHall A		HS1.3.1 HS2.4.2 HS5.2.2 HS5.3.4 HS7.7 HS8.2.1 HS8.3.3 HS10.8		Virtual posters	HS1.1.3 HS1.3.3 HS2.3.3 HS2.4.3 HS5.1.2 HS7.1 HS8.1.2 HS10.5 HS10.6

Thursday 18 April

Oral sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
3.16/17	HS2.1.5	HS2.2.3		HS2.2.3	HS2.2.3
3.29/30	HS10.6	HS10.6		HS6.12	HS1.1.1
B	HS2.4.3	HS2.4.3		HS2.4.3	HS7.5
C				HS4.2	HS2.5.1
2.15	HS6.8	HS10.5		HS10.8	HS6.6
2.17					
2.23					HS6.9
2.31	HS4.5	HS1.1.11		HS1.3.1	HS2.1.11
2.44	HS8.2.2	HS8.2.2		HS2.4.2	HS2.4.2
1.31/32					

Pico sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
A - Hall A	HS5.2.3	HS5.2.4			HS5.1.4
3 - X3	HS7.3	HS7.3			HS2.1.10

Posters:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
Hall A vHall A		HS2.1.11 HS2.3.5 HS2.4.4 HS2.5.1 HS3.4 HS6.6 HS6.9 HS7.5 HS8.2.14		Virtual posters	HS2.1.5 HS2.2.1 HS2.3.2 HS4.5 HS6.8 HS8.1.1 HS8.2.13 HS10.3 HS10.9

Friday 19 April

Oral sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
3.16/17	HS8.2.10	HS8.2.10		HS8.1.1	HS8.1.1
3.29/30	HS6.12	HS6.12			
B	HS5.3.1	HS5.3.1		HS2.2.1	HS2.2.1
C	HS4.2	HS4.2		HS2.5.1	HS2.5.1
2.15	HS10.3	HS10.1		HS10.9	HS7.6
2.17				HS8.2.13	
2.23	HS6.5	HS6.5			
2.31	HS7.8	HS8.3.7		HS3.4	HS3.4
2.44	HS2.3.1	HS2.3.1		HS2.4.4	HS2.4.4
1.31/32					

Pico sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
A - Hall A	HS2.1.1	HS2.2.6			HS2.2.6
3 - X3	HS3.8				

Posters:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00
Hall A vHall A		HS1.1.7 HS1.1.11 HS2.2.3 HS7.6 HS7.10 HS8.2.2		Virtual posters	HS2.3.1 HS4.2 HS5.3.1 HS6.5 HS6.12 HS7.8 HS8.2.10 HS8.3.7 HS10.1

Sub-Groups:

HS1	General Hydrology
HS2	Catchment Hydrology
HS3	Hydroinformatics
HS4	Hydrological forecasting
HS5	Water policy, management and control
HS6	Remote sensing and data assimilation
HS7	Precipitation and climate
HS8	Subsurface hydrology
HS9	Erosion, sedimentation & river processes
HS10	Ecohydrology, wetlands and estuaries

* The Henry Darcy and John Dalton Medal Lectures will be given by **Alberto Guadagnini** and **Paul Bates** on Tuesday and Thursday evening, 19:00-20:00, in Room B

* The ECS award lecture will be on Monday, 14:00-14:45, in Room 3.16/17

* HS sponsors the Great Debate GDB4, Thursday, 18 Apr, 10:45-12:30, in Room E1

* The HS-ECS will have a joint networking event for early career hydrologists on Monday, 12:45-13:45 on the roof terrace

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HS1.1	Hydrology in Climate Change
HS1.1.1	"(Ir-)relevant scales for future water resources"
HS1.1.2	Regional and Global Hydrological Changes in a Changing...
HS1.1.3	Approaches, technical perspectives, and nature-based...
HS1.1.7	Looking for resilience at building scale: Nature-based...
HS1.1.10	Advancements in Adaptation and Mitigation Strategies for...
HS1.1.11	Hydrology under climate change: case studies on water...
HS1.2	Innovative sensors and monitoring in hydrology
HS1.2.1	The MacGyver session for innovative and/or self made tools...
HS1.2.5	Ecosystem research with lysimeters and ecotrons at the...
HS1.3	Cross-cutting hydrological sessions
HS1.3.1	HELPING science for solutions decade
HS1.3.3	Revisiting good modelling practices – where are we today and...
HS1.3.5	Small-scale transport processes of plastics in the aquatic...
HS2.1	Catchment hydrology in diverse climates and environments
HS2.1.1	Zero flow: hydrology, biogeochemistry, and ecology of...
HS2.1.4	Mountain hydrology under global change: monitoring...
HS2.1.5	Hydrology and climate in drylands: global and Mediterranean...
HS2.1.9	From snow and glacier hydrology to catchment runoff
HS2.1.10	Advances in African hydrology and climate: monitoring...
HS2.1.11	Advances in forest hydrology
HS2.1.12	Advancing Critical Zone Science Across Scales through...
HS2.2	From observations to concepts to models (in catchment...
HS2.2.1	Isotope and tracer methods: flow paths characterization...
HS2.2.3	Advancing process representation for hydrological modelling...
HS2.2.5	The invisible controls of catchment hydrology: storage, flows...
HS2.2.6	Large-sample hydrology: characterising and understanding...
HS2.2.9	Advances in river system monitoring and modelling for a...
HS2.3	Water quality at the catchment scale
HS2.3.1	Understanding the mechanisms of solute and particulate...
HS2.3.2	Water quality and availability modeling, risk analysis and...
HS2.3.3	Water quality at the catchment scale: measuring...
HS2.3.5	Large-scale plastic transport and accumulation processes...
HS2.3.8	Fate and transport processes of pathogens and emerging...
HS2.4	Hydrologic variability and change at multiple scales
HS2.4.2	Understanding and predicting the impact of internal/natural...
HS2.4.3	Hydrological extremes: from droughts to floods
HS2.4.4	Generalizable insights for better understanding and modelling...
HS2.5	Global and (sub)continental hydrology
HS2.5.1	Large-scale hydrology and groundwater
HS2.5.3	Recent advancement in estimating global, continental and...
HS3	Hydroinformatics
HS3.1	Hydroinformatics: data analytics, machine learning, hybrid...
HS3.2	Integrated Approaches for Resilient Water Systems: ...
HS3.4	Deep learning in hydrology
HS3.5	Explainable and hybrid machine learning in hydrology
HS3.8	Advances in stochastic analysis, modelling, simulation and...
HS3.9	Advances in Diagnostics, Sensitivity Analysis, Bayesian...
HS4	Hydrological forecasting
HS4.1	Short-range forecasting and monitoring of heavy rainfall...
HS4.2	Drought and water scarcity: monitoring, modelling and...
HS4.3	Probabilistic hydro-meteorological forecasts: ensembles...
HS4.4	Operational forecasting and warning systems for natural...
HS4.5	Reducing the impacts of natural hazards through forecast-...
HS4.6	Transforming observations and forecasts for management and...
HS4.8	Real-time flood forecasting and early warning systems: data...
HS5.1	Water resources planning, management, policy, and governance
HS5.1.1	Water resources policy and management – System solutions...
HS5.1.2	Fate of Water Reservoirs: Global Change Implications on...
HS5.1.3	Hydrological models in the realm of national water...
HS5.1.4	Elevating practice in the science-policy-practice nexus: ...
HS5.2	Water-Energy-Food-Ecosystem Nexus
HS5.2.1	Water resources policy and management - managing...
HS5.2.2	From research to practice in managing the water-energy-...
HS5.2.3	Innovation in Hydropower Operations and Planning to...
HS5.2.4	Integrated approaches to assess the impacts of land use and...
HS5.3	Human-Water Systems, Infrastructure, and the City
HS5.3.1	Coupled human water systems: data-driven and...
HS5.3.3	Human-Water Feedbacks
HS5.3.4	Green Infrastructure for Sustainable Urban Hazard...
HS5.3.5	Water resources policy and management: digital water and...
HS6	Remote sensing and data assimilation
HS6.1	Remote Sensing of Soil Moisture
HS6.3	Evapotranspiration estimation using remote sensing and...
HS6.4	Remote Sensing of Seasonal Snow
HS6.5	Water Level, Extent, Storage and Discharge from Remote...
HS6.6	Remote Sensing for Flood Dynamics Monitoring and Flood...
HS6.8	Applying Remotely Sensed Water Cycle Components in...
HS6.9	Irrigation estimates and management from remote sensing...
HS6.10	Innovative technologies using remote sensing data for water...
HS6.12	The Third Pole Environment (TPE) under Global Change
HS7	Precipitation and climate
HS7.1	Precipitation variability from drop scale to catchment scale: ...
HS7.2	Precipitation modelling: uncertainty, variability, and downscaling
HS7.3	Water, Climate, Food and Health
HS7.4	Future hydroclimatic scenarios in a changing world
HS7.5	Hydro-meteorological Extremes and Hazards: Vulnerability, ...
HS7.6	Precipitation and urban hydrology
HS7.7	Hydrometeorologic stochastics: from theoretical advancements...
HS7.8	Spatio-temporal extremes in the hydroclimatic system: ...
HS7.9	The atmospheric water cycle under change: feedbacks, land...
HS7.10	Rainfall simulators: recent advances, applications, ...
HS8.1	Subsurface hydrology – Transport in the Subsurface
HS8.1.1	Hydrobiogeochemical processes in heterogeneous multiphase...
HS8.1.2	Coupled transport, reactive processes and biological activity in...
HS8.1.3	Contaminants in the urban and peri-urban runoff-groundwater...
HS8.1.5	Contaminant transport in groundwater and remediation: ...
HS8.1.7	Emerging particles, biocolloids and PFAS in terrestrial and...
HS8.1.8	Integrating understanding across the land-ocean continuum: ...
HS8.2	Subsurface hydrology – Groundwater
HS8.2.1	Groundwater management in the context of global change: ...
HS8.2.2	The role of groundwater flow systems in solving water...
HS8.2.10	Observing and understanding current and past subsurface...
HS8.2.12	Data-driven groundwater modeling: methods, applications &...
HS8.2.13	Hydrogeophysics: a tool for hydro(geo)logy, contaminant...
HS8.2.14	Groundwater residence times and flow paths, and issues in...
HS8.3	Subsurface hydrology – Vadose zone hydrology
HS8.3.2	Vadose Zone Hydrology: Advances and Future Perspectives...
HS8.3.3	Soil-Plant Interactions
HS8.3.7	Soil hydrology and irrigation for sustainable food production in...
HS9	Erosion, sedimentation & river processes
HS9.2	Quantifying sediment sources, dynamics and the effectiveness...
HS9.3	Transfer of sediments and contaminants from river systems...
HS9.6	Hydro-morphological processes and links to ecology in...
HS10	Ecohydrology, wetlands and estuaries: aquatic and terrestrial...
HS10.1	General ecohydrology
HS10.3	Peatland hydrology: From tropical to subarctic latitudes
HS10.5	Groundwater-surface water interactions: physical, ...
HS10.6	Lakes and Inland Seas under Global Change
HS10.8	Stable isotopes to study water and nutrient dynamics in the...
HS10.9	Coupling of the terrestrial water and carbon cycles

Sub-groups meetings:

HS2	:	Thursday 18 April at 12:45 in room 2.32
HS3	:	Wednesday 17 April at 12:30 in room 3.16/17
HS4	:	Thursday 18 April at 16:15 in room 2.83
HS5	:	Wednesday 17 April at 14:00 in room 2.32
HS6	:	Wednesday 17 April at 11:30 in room 2.32
HS7	:	Wednesday 17 April at 18:00 in room 2.32
HS8	:	Friday 19 April at 12:45 in room 2.33
HS9	:	Wednesday 17 April at 9:00 in room 2.32
HS10	:	Friday 19 April at 12:45 in room 2.32