

HS – Hydrological Sciences – Oral Sessions

Monday, 23 April

MO1 , 08:30–10:00	CL1.15 , Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies (co-listed), 08:30–12:00 in Room 13
	GM8.3 , Coastal zone geomorphologic interactions: natural versus human-induced driving factors (co-listed), 08:30–12:00 in Room 21
	HS1.3 , Metrics, measures and objective functions in Hydrology', 08:30–10:00 in Room 39
	HS1.4 , Chinese River Basins: Advances in Hydrological Science and Engineering, 08:30–12:00 in Room 36
	HS2.5 , Mountain Hydrology: Monitoring and modeling of snow (merged with Sub-arctic hydrology), 08:30–12:00 in Room 33
	HS8.2.2/IG17 , Groundwater Dating: Applications and current problems (co-organized), 08:30–10:00 in Room 38
	PSD16.7 , HS10.1 - Lakes and inland seas, 08:30–09:15 in Room 37
	TS2.4/HS8.1.8 , Fractures, faults and fluid flow: from observations to mechanisms (co-organized), 08:30–15:00 in Room 11
MO2 , 10:30–12:00	CL1.15 , Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies (co-listed), 08:30–12:00 in Room 13
	GM8.3 , Coastal zone geomorphologic interactions: natural versus human-induced driving factors (co-listed), 08:30–12:00 in Room 21
	HS1.4 , Chinese River Basins: Advances in Hydrological Science and Engineering, 08:30–12:00 in Room 36
	HS2.5 , Mountain Hydrology: Monitoring and modeling of snow (merged with Sub-arctic hydrology), 08:30–12:00 in Room 33
	HS4.6 , Why predict? The value of prediction in hydrological sciences and policy, 10:30–12:00 in Room 39
	HS8.2.3 , Fissured and karstified aquifers, 10:30–12:00 in Room 38
	HS9.4 , Sediment transfers and travel times in catchment systems, 10:30–12:00 in Room 34
	PSD16.15 , HS8.2.5 - Sedimentary basins as active fluid circulation systems, 11:30–12:15 in Room 37
TS2.4/HS8.1.8 , Fractures, faults and fluid flow: from observations to mechanisms (co-organized), 08:30–15:00 in Room 11	
MO3 , 13:30–15:00	CL5.3/HS6.7 , Climate Data Bias-Correction and Homogenization and Climate Trends and Variability Assessment (co-organized), 13:30–17:00 in Room 16
	HS2.17 , Catchment Similarity and Organisation, 13:30–17:00 in Room 33
	HS5.6 , Climate Change and Impact on Drinking Water Supply, 13:30–15:00 in Room 39
	HS5.8 , Catchment science, management and stakeholder participation, 13:30–17:00 in Room 36
	HS8.2.5 , Sedimentary basins as active fluid circulation systems, 13:30–15:00 in Room 38
	NH1.6/HS4.7 , Flood risk and uncertainty (co-organized), 13:30–15:00 in Room 1
SSS1.4 , Urban soils and the urbanization impacts (co-listed), 13:30–15:00 in Room 22	

	TS2.4/HS8.1.8 , Fractures, faults and fluid flow: from observations to mechanisms (co-organized), 08:30–15:00 in Room 11
MO4 , 15:30–17:00	CL5.3/HS6.7 , Climate Data Bias-Correction and Homogenization and Climate Trends and Variability Assessment (co-organized), 13:30–17:00 in Room 16
	GM7.6 , Sedimentary source-to-sink fluxes and sediment budgets (co-listed), 15:30–17:00 in Room 21
	HS2.17 , Catchment Similarity and Organisation, 13:30–17:00 in Room 33
	HS5.3 , Advances in Modeling of Coupled Hydrologic-Socioeconomic Systems, 15:30–17:00 in Room 39
	HS5.8 , Catchment science, management and stakeholder participation, 13:30–17:00 in Room 36
	HS8.2.9 , Groundwater resources in a changing environment, 15:30–17:00 in Room 38
	PSD16.4 , HS4.6 - Why predict? The value of prediction in hydrological sciences and policy, 16:30–17:15 in Room 37
	TS2.3/EMRP2.8/HS8.1.7 , Flow Properties of Transforming Porous Media (co-organized), 15:30–17:00 in Room 11
Tuesday, 24 April	
TU1 , 08:30–10:00	ERE2.4 , Modelling and upscaling of CO2 storage sites (co-listed), 08:30–12:00 in Room 19
	HS4.2 , Hydrological forecasting: challenges in uncertainty estimation, data assimilation, post-processing, real-time control and decision-making, 08:30–12:00 in Room 36
	HS5.1 , Assessment and management of water resources: Adapting to drought and water scarcity in tropical, dryland, and Mediterranean countries, 08:30–10:00 in Room 34
	HS8.2.1 , Stochastic groundwater hydrology, 08:30–12:00 in Room 33
	HS8.2.7 , Freshwater-saltwater interactions and density-driven flow, 08:30–10:00 in Room 38
	HS9.3/SSS5.23 , Effects of forest cover loss and land use change on erosion, sediment dynamics and ecosystem health (co-organized), 08:30–10:00 in Room 39
TU2 , 10:30–12:00	ERE2.4 , Modelling and upscaling of CO2 storage sites (co-listed), 08:30–12:00 in Room 19
	HS2.2 , Observational hydrology: Recent developments in distributed sensing techniques and experimental catchments, 10:30–12:00 in Room 38
	HS4.2 , Hydrological forecasting: challenges in uncertainty estimation, data assimilation, post-processing, real-time control and decision-making, 08:30–12:00 in Room 36
	HS5.9 , Hydrological, ecological, geomorphic and economic implications of Mountain Resort Development, 10:30–12:00 in Room 39
	HS8.2.1 , Stochastic groundwater hydrology, 08:30–12:00 in Room 33
	SSS5.8 , Models and scaling: Assessing impact of climate change and land management on erosion and sediment dynamics (co-listed), 10:30–15:00 in Room 22
TU3 , 13:30–15:00	HS2.4 , Hydrology and remote sensing for monitoring, modelling and improve the management of urban and rural water systems, 13:30–17:00 in Room 34

	HS2.9 , Large scale hydrology, 13:30–17:00 in Room 38
	HS4.3/AS1.18/NH1.2 , Ensemble hydro-meteorological forecasting for improved risk management: across scales and applications (co-organized), 13:30–17:00 in Room 36
	HS5.5 , Models and computational methods for management and optimization of controlled water resources systems, 13:30–17:00 in Room 39
	HS8.1.1 , Subsurface flow, solute transport, and energy processes: Concepts, modelling, and observations, 13:30–17:00 in Room 33
	SSS5.8 , Models and scaling: Assessing impact of climate change and land management on erosion and sediment dynamics (co-listed), 10:30–15:00 in Room 22
TU4 , 15:30–17:00	HS2.4 , Hydrology and remote sensing for monitoring, modelling and improve the management of urban and rural water systems, 13:30–17:00 in Room 34
	HS2.9 , Large scale hydrology, 13:30–17:00 in Room 38
	HS4.3/AS1.18/NH1.2 , Ensemble hydro-meteorological forecasting for improved risk management: across scales and applications (co-organized), 13:30–17:00 in Room 36
	HS5.5 , Models and computational methods for management and optimization of controlled water resources systems, 13:30–17:00 in Room 39
	HS8.1.1 , Subsurface flow, solute transport, and energy processes: Concepts, modelling, and observations, 13:30–17:00 in Room 33
	PSD16.6 , HS8.2.1 - Stochastic groundwater hydrology, 16:30–17:15 in Room 35
	SSS5.4 , Assessment and modeling of concentrated flow erosion (co-listed), 15:30–17:00 in Room 22
Wednesday, 25 April	
WE1 , 08:30–10:00	GI2.5 , Preparatory activities for the scientific utilisation of the GMES Sentinel satellites constellations including Cal/Val activities of their optical instruments. (co-listed), 08:30–12:00 in Room 42
	HS1.1 , Visionary session on the next Hydrological Decade, 08:30–12:00 in Room 36
	HS4.1/GM7.8/NH1.7 , Flash floods: processes, forecasting and risk management (co-organized), 08:30–12:00 in Room 39
	HS6.1 , The Third Pole Environment - Observation and modelling of hydrometeorological processes in high elevation areas, 08:30–12:00 in Room 38
	HS8.1.2 , Hydrogeophysics: From non-invasive site characterization to improved process understanding, 08:30–12:00 in Room 33
	SSS7.3 , Where does all the Pyrogenic Organic Matter go? Its Fate in Soils, Water and Sediments (co-listed), 08:30–12:00 in Room 3
WE2 , 10:30–12:00	GI2.5 , Preparatory activities for the scientific utilisation of the GMES Sentinel satellites constellations including Cal/Val activities of their optical instruments. (co-listed), 08:30–12:00 in Room 7
	HS1.1 , Visionary session on the next Hydrological Decade, 08:30–12:00 in Room 36
	HS4.1/GM7.8/NH1.7 , Flash floods: processes, forecasting and risk management (co-organized), 08:30–12:00 in Room 39

	HS6.1 , The Third Pole Environment - Observation and modelling of hydrometeorological processes in high elevation areas, 08:30–12:00 in Room 38
	HS8.1.2 , Hydrogeophysics: From non-invasive site characterization to improved process understanding, 08:30–12:00 in Room 33
	PSD16.13 , HS3.3 - Poster Session on Open Source Computing in Hydrology, 11:30–12:15 in Room 35
	SSS5.15 , Cutting across the soil-water field: A way to make new flowers blooming or the risk of sitting on the fence? (co-listed), 10:30–12:00 in Room 22
	SSS7.3 , Where does all the Pyrogenic Organic Matter go? Its Fate in Soils, Water and Sediments (co-listed), 08:30–12:00 in Room 3
WE3 , 13:30–15:00	HS2.13 , Hydrological change: Regional hydrological behaviour under transient climate and land use conditions, 13:30–17:00 in Room 33
	HS6.2 , Remote sensing of soil moisture, 13:30–17:00 in Room 36
	HS8.1.3 , Parameter Estimation, Inverse Modelling and Data Assimilation in Subsurface Hydrology, 13:30–15:00 in Room 38
	HS10.1 , Lakes and inland seas, 13:30–17:00 in Room 34
	PSD16.11 , HS4.1/GM7.8/NH1.7 - Flash floods: processes, forecasting and risk management, 13:30–14:15 in Room 35
	SSS11.3 , Soil and irrigation sustainability practices (co-listed), 13:30–17:00 in Room 22
WE4 , 15:30–17:00	HS2.13 , Hydrological change: Regional hydrological behaviour under transient climate and land use conditions, 13:30–17:00 in Room 33
	HS4.4 , Drought and water scarcity: hydrological monitoring, modeling and forecasting, 15:30–17:00 in Room 39
	HS6.2 , Remote sensing of soil moisture, 13:30–17:00 in Room 36
	HS8.1.4 , Groundwater Recharge: Water and solute transport through the unsaturated zone to the groundwater, 15:30–17:00 in Room 38
	HS10.1 , Lakes and inland seas, 13:30–17:00 in Room 34
	NP3.3 , Subgrid models and parameterization (co-listed), 15:30–17:15 in Room 28
	PSD16.14 , HS8.1.3 - Parameter Estimation, Inverse Modelling and Data Assimilation in Subsurface Hydrology, 16:30–17:15 in Room 35
	SC5/HS11.1 , Short Course: Hydrological Analysis in R (co-organized), 15:30–19:00 in Room 25
	SSS11.3 , Soil and irrigation sustainability practices (co-listed), 13:30–17:00 in Room 22
WE5 , 17:30–19:00	SC5/HS11.1 , Short Course: Hydrological Analysis in R (co-organized), 15:30–19:00 in Room 25
WE6 , 19:00–20:00	ML14 , John Dalton Medal Lecture by Kurth Roth (co-listed), 19:00–20:00 in Room 33
Thursday, 26 April	
TH1 , 08:30–10:00	ERE2.6/SM3.8 , Geophysical imaging of CO2 geological storage sites (co-listed), 08:30–10:00 in Room 19
	GM6.2/HS9.6/SSS5.21 , Connectivity in water and sediment dynamics: how do we move forwards? (co-organized), 08:30–12:00 in Room 21
	HS2.10 , Experimental design and measurement techniques in surface water/groundwater interaction studies, 08:30–10:00 in Room 39
	HS2.18 , Improving hypothesis testing in hydrology, 08:30–12:00 in Room 34

	HS6.2 , Remote sensing of soil moisture, 13:30–17:00 in Room 36
	HS7.1 , Precipitation: from measurement to modelling and application in catchment hydrology, 08:30–12:00 in Room 33
	HS8.1.5 , Fate and transport of biocolloids and nanoparticles in soil and groundwater systems, 08:30–10:00 in Room 38
	SSS6.10 , Combat desertification and soil degradation in arid and humid environments and assess impacts on ecosystem services – approaches and solutions. (co-listed), 08:30–15:00 in Room 6
	SSS13.3 , Modeling the experiment, experimenting the models - combining rain and wind to soil erosion (co-listed), 08:30–12:00 in Room 3
TH2 , 10:30–12:00	GM6.2/HS9.6/SSS5.21 , Connectivity in water and sediment dynamics: how do we move forwards? (co-organized), 08:30–12:00 in Room 21
	HS2.6 , Hydrological extremes: from droughts to floods, 10:30–17:00 in Room 36
	HS2.16 , Water quality at the catchment scale: monitoring and modeling of micropollutants, 10:30–12:00 in Room 39
	HS2.18 , Improving hypothesis testing in hydrology, 08:30–12:00 in Room 34
	HS7.1 , Precipitation: from measurement to modelling and application in catchment hydrology, 08:30–12:00 in Room 33
	HS8.1.6 , Characterizing contaminant fate in the subsurface using physical, chemical, microbial and isotopic tools, 10:30–12:00 in Room 38
	SSS6.10 , Combat desertification and soil degradation in arid and humid environments and assess impacts on ecosystem services – approaches and solutions. (co-listed), 08:30–15:00 in Room 6
	SSS13.3 , Modeling the experiment, experimenting the models - combining rain and wind to soil erosion (co-listed), 08:30–12:00 in Room 3
TH3 , 13:30–15:00	ERE5.3/GMPV6.7/HS8.2.8/SSS5.22 , Coupled Physical and Chemical Transformations Affecting the Performance of GeoSystems (co-organized), 13:30–17:00 in Room 19
	GM7.1 , Quantifying fluvial channel processes - New and innovative multidisciplinary approaches (co-listed), 13:30–17:00 in Room 21
	HS2.6 , Hydrological extremes: from droughts to floods, 10:30–17:00 in Room 36
	HS2.14 , Hydrology of temporary streams and basins, 13:30–15:00 in Room 34
	HS7.4/AS4.17/CL2.10 , Climate, Hydrology and Water Infrastructure (co-organized), 13:30–17:00 in Room 33
	HS8.3.1 , Monitoring and modelling transfer processes in the soil-plant-atmosphere continuum across scales, 13:30–17:00 in Room 39
	HS10.7 , Interactions between surface water, groundwater, and the hyporheic zone, 13:30–17:00 in Room 38
	SSS6.10 , Combat desertification and soil degradation in arid and humid environments and assess impacts on ecosystem services – approaches and solutions. (co-listed), 08:30–15:00 in Room 6
TH4 , 15:30–17:00	ERE5.3/GMPV6.7/HS8.2.8/SSS5.22 , Coupled Physical and Chemical Transformations Affecting the Performance of GeoSystems (co-organized), 13:30–17:00 in Room 19
	GM2.3 , Geomorphological maps - indispensable tool in geomorphology (co-listed), 15:30–17:00 in Room 2
	GM7.1 , Quantifying fluvial channel processes - New and innovative multidisciplinary approaches (co-listed), 13:30–17:00 in Room 21
	HS2.6 , Hydrological extremes: from droughts to floods, 10:30–17:00 in Room 36

	HS3.2 , Geostatistics for space-time analysis of hydrological events, 15:30–17:00 in Room 34
	HS7.4/AS4.17/CL2.10 , Climate, Hydrology and Water Infrastructure (co-organized), 13:30–17:00 in Room 33
	HS8.3.1 , Monitoring and modelling transfer processes in the soil-plant-atmosphere continuum across scales, 13:30–17:00 in Room 39
	HS10.7 , Interactions between surface water, groundwater, and the hyporheic zone, 13:30–17:00 in Room 38
	PSD12.8 , GM7.2/HS9.2 - Morphodynamics of Rivers and Estuaries: Sediment Budgets, Monitoring Techniques and Process Dynamics, 15:30–16:15 in Room 40
	PSD16.1 , HS2.10 - Experimental design and measurement techniques in surface water/groundwater interaction studies, 15:30–16:15 in Room 37
TH6 , 19:00–20:00	ML15 , Henry Darcy Medal Lecture by Tissa H. Illangasekare (co-listed), 19:00–20:00 in Room 33
Friday, 27 April	
FR1 , 08:30–10:00	GM7.5/HS10.9 , Dynamic riverine landscapes: the role of ecosystem engineers (co-organized), 08:30–10:00 in Room 21
	HS2.7 , Monitoring Strategies: temporal trends in groundwater and surface water quality and quantity, 08:30–12:00 in Room 38
	HS3.1 , Hydroinformatics: computational intelligence and systems analysis, 08:30–12:00 in Room 34
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	HS8.3.4 , The role of interfaces in flow and transport in porous media, 08:30–10:00 in Room 39
	HS10.6 , The role of rainfall and soil water in shaping land-vegetation-atmosphere interactions, 08:30–17:00 in Room 36
	IG1/GMPV2.3/HS2.22/SSP5.1/SSS13.5/TS1.8 , Stable isotopes in geosciences - open session, including blocks of special attention (co-organized), 08:30–12:00 in Room 42
	PSD16.9 , HS10.7 - Interactions between surface water, groundwater, and the hyporheic zone, 08:30–09:15 in Room 35
FR2 , 10:30–12:00	GM7.3/HS9.7/NH1.9 , Morphodynamics of steep mountain channels (co-organized), 10:30–12:00 in Room 21
	HS2.7 , Monitoring Strategies: temporal trends in groundwater and surface water quality and quantity, 08:30–12:00 in Room 38
	HS3.1 , Hydroinformatics: computational intelligence and systems analysis, 08:30–12:00 in Room 34
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	HS8.3.3 , Trace gases emissions from soils: Sources, mechanisms and process rates, 10:30–12:00 in Room 39
	HS10.6 , The role of rainfall and soil water in shaping land-vegetation-atmosphere interactions, 08:30–17:00 in Room 36
	IG1/GMPV2.3/HS2.22/SSP5.1/SSS13.5/TS1.8 , Stable isotopes in geosciences - open session, including blocks of special attention (co-organized), 08:30–12:00 in Room 42
FR3 , 13:30–15:00	GM7.2/HS9.2 , Morphodynamics of Rivers and Estuaries: Sediment Budgets, Monitoring Techniques and Process Dynamics (co-organized), 13:30–15:00 in Room 21

	HS2.15 , Water quality at the catchment scale: Advances in measuring and modeling nutrient, sediment, and contaminant fluxes, 13:30–17:00 in Room 38
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	HS10.6 , The role of rainfall and soil water in shaping land-vegetation-atmosphere interactions, 08:30–17:00 in Room 36
	HS10.8/BG4.4 , Environmental and anthropogenic change affecting catchments and groundwater-dependent ecosystems (co-organized), 13:30–15:00 in Room 39
	NH8.1 , Heavy-metal contamination of the environment (co-listed), 13:30–15:00 in Room 8
FR4 , 15:30–17:00	GM7.4 , Braided rivers: insights from new monitoring and modelling techniques (co-listed), 15:30–17:00 in Room 21
	HS2.8 , Observational hydrology: Recent development in isotope and other tracer methods, 15:30–17:00 in Room 14
	HS2.15 , Water quality at the catchment scale: Advances in measuring and modeling nutrient, sediment, and contaminant fluxes, 13:30–17:00 in Room 38
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	HS7.5/NP8.3 , Hydroclimatic stochasticity (co-organized), 15:30–17:00 in Room 34
	HS10.2/GM8.2 , Estuarine processes (co-organized), 15:30–17:00 in Room 39
	HS10.6 , The role of rainfall and soil water in shaping land-vegetation-atmosphere interactions, 08:30–17:00 in Room 36
	SSS8.1 , Ecology and Erosion (co-listed), 15:30–17:00 in Room 3

HS – Hydrological Sciences – Poster Sessions**Monday, 23 April**

MO1 , 08:30–10:00	PSD16.7 , HS10.1 - Lakes and inland seas, 08:30–09:15 in Room 37
MO2 , 10:30–12:00	PSD16.15 , HS8.2.5 - Sedimentary basins as active fluid circulation systems, 11:30–12:15 in Room 37
MO4 , 15:30–17:00	CL1.15 , Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies (co-listed), in Hall Z, Z67–Z84
	PSD16.4 , HS4.6 - Why predict? The value of prediction in hydrological sciences and policy, 16:30–17:15 in Room 37
MO5 , 17:30–19:00	BG4.2 , Glacial retreat: implications for microbial ecology and biogeochemistry (co-listed), in Poster Area BG, BG70–BG77
	CL5.3/HS6.7 , Climate Data Bias-Correction and Homogenization and Climate Trends and Variability Assessment (co-organized), in Hall Z, Z116–Z138
	GM7.6 , Sedimentary source-to-sink fluxes and sediment budgets (co-listed), in Hall XL, XL239–XL253
	GM8.3 , Coastal zone geomorphologic interactions: natural versus human-induced driving factors (co-listed), in Hall XL, XL254–XL273
	HS1.2 , Innovative techniques and unintended use of measurement equipment, in Hall A, A44–A60
	HS1.3 , Metrics, measures and objective functions in Hydrology', in Hall A, A61–A74
	HS1.4 , Chinese River Basins: Advances in Hydrological Science and Engineering, in Hall A, A75–A101
	HS2.5 , Mountain Hydrology: Monitoring and modeling of snow (merged with Sub-arctic hydrology), in Hall A, A102–A137
	HS2.17 , Catchment Similarity and Organisation, in Hall A, A138–A164
	HS4.6 , Why predict? The value of prediction in hydrological sciences and policy, in Hall A, A165–A174 Related: PSD16.4, see MO4
	HS5.3 , Advances in Modeling of Coupled Hydrologic-Socioeconomic Systems, in Hall A, A175–A189
	HS5.6 , Climate Change and Impact on Drinking Water Supply, in Hall A, A190–A205
	HS8.2.2/IG17 , Groundwater Dating: Applications and current problems (co-organized), in Hall A, A206–A220
	HS8.2.3 , Fissured and karstified aquifers, in Hall A, A221–A235
	HS8.2.5 , Sedimentary basins as active fluid circulation systems, in Hall A, A236–A259 Related: PSD16.15, see MO2
	HS8.2.9 , Groundwater resources in a changing environment, in Hall A, A260–A275
	HS9.4 , Sediment transfers and travel times in catchment systems, in Hall A, A276–A291
	NH1.6/HS4.7 , Flood risk and uncertainty (co-organized), in Hall X/Y, XY220–XY240
	SSS1.4 , Urban soils and the urbanization impacts (co-listed), in Hall X/Y, XY535–XY552
	TS2.3/EMRP2.8/HS8.1.7 , Flow Properties of Transforming Porous Media (co-organized), in Hall A, A347–A363

	TS2.4/HS8.1.8 , Fractures, faults and fluid flow: from observations to mechanisms (co-organized), in Hall A, A364–A392
Tuesday, 24 April	
TU4 , 15:30–17:00	PSD16.6 , HS8.2.1 - Stochastic groundwater hydrology, 16:30–17:15 in Room 35
TU5 , 17:30–19:00	ERE2.4 , Modelling and upscaling of CO2 storage sites (co-listed), in Hall Z, Z129–Z151 Related: PSD6.7, see TUL
	GI2.5 , Preparatory activities for the scientific utilisation of the GMES Sentinel satellites constellations including Cal/Val activities of their optical instruments. (co-listed), in Hall A, A97–A116
	HS2.2 , Observational hydrology: Recent developments in distributed sensing techniques and experimental catchments, in Hall A, A156–A172
	HS2.4 , Hydrology and remote sensing for monitoring, modelling and improve the management of urban and rural water systems, in Hall A, A173–A194
	HS2.9 , Large scale hydrology, in Hall A, A195–A215
	HS4.2 , Hydrological forecasting: challenges in uncertainty estimation, data assimilation, post-processing, real-time control and decision-making, in Hall A, A216–A242
	HS4.3/AS1.18/NH1.2 , Ensemble hydro-meteorological forecasting for improved risk management: across scales and applications (co-organized), in Hall A, A243–A261
	HS5.1 , Assessment and management of water resources: Adapting to drought and water scarcity in tropical, dryland, and Mediterranean countries, in Hall A, A262–A280
	HS5.8 , Catchment science, management and stakeholder participation, in Hall A, A281–A305
	HS5.9 , Hydrological, ecological, geomorphic and economic implications of Mountain Resort Development, in Hall A, A306–A318
	HS8.1.1 , Subsurface flow, solute transport, and energy processes: Concepts, modelling, and observations, in Hall A, A319–A342
	HS8.2.1 , Stochastic groundwater hydrology, in Hall A, A343–A362 Related: PSD16.6, see TU4
	HS8.2.7 , Freshwater-saltwater interactions and density-driven flow, in Hall A, A363–A375
	HS9.3/SSS5.23 , Effects of forest cover loss and land use change on erosion, sediment dynamics and ecosystem health (co-organized), in Hall A, A376–A387
	NH1.8/AS4.15/ESS11.3/HS5.10/HS7.7 , ICT-based hydrometeorology science and natural disaster societal impact assessment (co-organized), in Hall X/Y, XY168–XY177
	SSS5.4 , Assessment and modeling of concentrated flow erosion (co-listed), in Hall X/Y, XY535–XY549
SSS5.8 , Models and scaling: Assessing impact of climate change and land management on erosion and sediment dynamics (co-listed), in Hall X/Y, XY582–XY596	
Wednesday, 25 April	
WE2 , 10:30–12:00	PSD16.13 , HS3.3 - Poster Session on Open Source Computing in Hydrology, 11:30–12:15 in Room 35

WE3 , 13:30–15:00	PSD16.11 , HS4.1/GM7.8/NH1.7 - Flash floods: processes, forecasting and risk management, 13:30–14:15 in Room 35
WE4 , 15:30–17:00	PSD16.14 , HS8.1.3 - Parameter Estimation, Inverse Modelling and Data Assimilation in Subsurface Hydrology, 16:30–17:15 in Room 35
WE5 , 17:30–19:00	GM7.1 , Quantifying fluvial channel processes - New and innovative multidisciplinary approaches (co-listed), in Hall XL, XL160–XL185
	HS2.13 , Hydrological change: Regional hydrological behaviour under transient climate and land use conditions, in Hall A, A73–A111
	HS3.3 , Poster Session on Open Source Computing in Hydrology, in Hall A, A112–A138 Related: PSD16.13, see WE2
	HS4.1/GM7.8/NH1.7 , Flash floods: processes, forecasting and risk management (co-organized), in Hall A, A139–A157 Related: PSD16.11, see WE3
	HS4.4 , Drought and water scarcity: hydrological monitoring, modeling and forecasting, in Hall A, A158–A180
	HS5.5 , Models and computational methods for management and optimization of controlled water resources systems, in Hall A, A181–A202
	HS6.1 , The Third Pole Environment - Observation and modelling of hydrometeorological processes in high elevation areas, in Hall A, A203–A219
	HS6.2 , Remote sensing of soil moisture, in Hall A, A220–A240
	HS6.3 , Assimilation of remote sensing data for distributed land surface modeling, in Hall A, A241–A252
	HS6.5 , High to coarse resolution remote sensing for operational hydrological applications, in Hall A, A253–A262
	HS8.1.2 , Hydrogeophysics: From non-invasive site characterization to improved process understanding, in Hall A, A263–A283
	HS8.1.3 , Parameter Estimation, Inverse Modelling and Data Assimilation in Subsurface Hydrology, in Hall A, A284–A308 Related: PSD16.14, see WE4
	HS8.1.4 , Groundwater Recharge: Water and solute transport through the unsaturated zone to the groundwater, in Hall A, A309–A323
	HS10.1 , Lakes and inland seas, in Hall A, A324–A349 Related: PSD16.7, see MO1
	HS10.3 , Land-water interaction at the river basin scale: ecohydrology approaches to understanding the impact of upstream processes on downstream estuarine and coastal ecosystems, in Hall A, A350–A355
	HS10.5/BG2.21 , Geological and hydro-biogeochemical feedbacks shaping habitats and biodiversity in terrestrial systems (co-organized), in Hall A, A356–A368
	NP3.3 , Subgrid models and parameterization (co-listed), in Hall X/Y, XY411–XY425
	SSS5.15 , Cutting across the soil-water field: A way to make new flowers blooming or the risk of sitting on the fence? (co-listed), in Hall X/Y, XY604–XY618
	SSS7.3 , Where does all the Pyrogenic Organic Matter go? Its Fate in Soils, Water and Sediments (co-listed), in Hall X/Y, XY619–XY638 Related: PSD4.13, see WE3
	SSS11.3 , Soil and irrigation sustainability practices (co-listed), in Hall X/Y, XY639–XY662 Related: PSD4.14, see WE6
Thursday, 26 April	
TH3 , 13:30–15:00	ERE2.6/SM3.8 , Geophysical imaging of CO2 geological storage sites (co-listed), in Hall XL, XL1–XL10

TH4 , 15:30–17:00	PSD12.8 , GM7.2/HS9.2 - Morphodynamics of Rivers and Estuaries: Sediment Budgets, Monitoring Techniques and Process Dynamics, 15:30–16:15 in Room 40
	PSD16.1 , HS2.10 - Experimental design and measurement techniques in surface water/groundwater interaction studies, 15:30–16:15 in Room 37
TH5 , 17:30–19:00	ERE5.3/GMPV6.7/HS8.2.8/SSS5.22 , Coupled Physical and Chemical Transformations Affecting the Performance of GeoSystems (co-organized), in Hall XL, XL32–XL57
	GM2.3 , Geomorphological maps - indispensable tool in geomorphology (co-listed), in Hall XL, XL260–XL271
	HS2.10 , Experimental design and measurement techniques in surface water/groundwater interaction studies, in Hall A, A38–A52 Related: PSD16.1, see TH4
	HS2.16 , Water quality at the catchment scale: monitoring and modeling of micropollutants, in Hall A, A53–A67
	HS2.18 , Improving hypothesis testing in hydrology, in Hall A, A68–A77
	HS7.1 , Precipitation: from measurement to modelling and application in catchment hydrology, in Hall A, A78–A103
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), in Hall A, A104–A138
	HS7.3/CL2.9/NP1.3 , Climate, water and health (co-organized), in Hall A, A139–A151
	HS8.1.5 , Fate and transport of biocolloids and nanoparticles in soil and groundwater systems, in Hall A, A152–A168
	HS8.1.6 , Characterizing contaminant fate in the subsurface using physical, chemical, microbial and isotopic tools, in Hall A, A169–A184
	HS8.3.1 , Monitoring and modelling transfer processes in the soil-plant-atmosphere continuum across scales, in Hall A, A185–A199
	HS10.6 , The role of rainfall and soil water in shaping land-vegetation-atmosphere interactions, in Hall A, A200–A233
	IG1/GMPV2.3/HS2.22/SSP5.1/SSS13.5/TS1.8 , Stable isotopes in geosciences - open session, including blocks of special attention (co-organized), in Hall A, A234–A252
	SSS6.10 , Combat desertification and soil degradation in arid and humid environments and assess impacts on ecosystem services – approaches and solutions. (co-listed), in Hall Z, Z79–Z109
	SSS13.3 , Modeling the experiment, experimenting the models - combining rain and wind to soil erosion (co-listed), in Hall Z, Z157–Z184
Friday, 27 April	
FR1 , 08:30–10:00	PSD16.9 , HS10.7 - Interactions between surface water, groundwater, and the hyporheic zone, 08:30–09:15 in Room 35
FR2 , 10:30–12:00	GM6.2/HS9.6/SSS5.21 , Connectivity in water and sediment dynamics: how do we move forwards? (co-organized), in Hall XL, XL99–XL117
	GM7.2/HS9.2 , Morphodynamics of Rivers and Estuaries: Sediment Budgets, Monitoring Techniques and Process Dynamics (co-organized), in Hall XL, XL118–XL139 Related: PSD12.8, see TH4
	GM7.4 , Braided rivers: insights from new monitoring and modelling techniques (co-listed), in Hall XL, XL161–XL172
	HS2.6 , Hydrological extremes: from droughts to floods, in Hall A, A46–A80

	HS2.14 , Hydrology of temporary streams and basins, in Hall A, A121–A134
	HS2.15 , Water quality at the catchment scale: Advances in measuring and modeling nutrient, sediment, and contaminant fluxes, in Hall A, A135–A158
	HS3.2 , Geostatistics for space-time analysis of hydrological events, in Hall A, A176–A190
	HS7.4/AS4.17/CL2.10 , Climate, Hydrology and Water Infrastructure (co-organized), in Hall A, A191–A212
	HS10.2/GM8.2 , Estuarine processes (co-organized), in Hall A, A257–A269
	HS10.7 , Interactions between surface water, groundwater, and the hyporheic zone, in Hall A, A270–A295 Related: PSD16.9, see FR1
	HS10.8/BG4.4 , Environmental and anthropogenic change affecting catchments and groundwater-dependent ecosystems (co-organized), in Hall A, A296–A312
	NH8.1 , Heavy-metal contamination of the environment (co-listed), in Hall X/Y, XY215–XY236 Related: PSD19.28, see FR1
FR3 , 13:30–15:00	HS2.7 , Monitoring Strategies: temporal trends in groundwater and surface water quality and quantity, in Hall A, A81–A100
	HS2.8 , Observational hydrology: Recent development in isotope and other tracer methods, in Hall A, A101–A120
	HS3.1 , Hydroinformatics: computational intelligence and systems analysis, in Hall A, A159–A175
	HS7.5/NP8.3 , Hydroclimatic stochasticity (co-organized), in Hall A, A213–A226
	HS8.3.3 , Trace gases emissions from soils: Sources, mechanisms and process rates, in Hall A, A227–A241
	HS8.3.4 , The role of interfaces in flow and transport in porous media, in Hall A, A242–A256
	SSS8.1 , Ecology and Erosion (co-listed), in Hall X/Y, XY572–XY586
FR4 , 15:30–17:00	GM7.3/HS9.7/NH1.9 , Morphodynamics of steep mountain channels (co-organized), in Hall XL, XL140–XL160
	GM7.5/HS10.9 , Dynamic riverine landscapes: the role of ecosystem engineers (co-organized), in Hall XL, XL173–XL187