EGU 2009 Programme Group Schedule

HS – Hydrological Sciences

O: Oral Presentation (Lecture Room) / P: Poster Presentation (Poster Hall)
TB: 1: 8:30–10:00 / 2: 10:30–12:00 / 3: 13:30–15:00 / 4: 15:30–17:00 / 5: 17:30–19:00
Division Business Meeting: Wednesday, 12:15–13:15, Room 31

Session	Title	TB	MO	TU	WE	TH	FR
HS1.1	New instrumentations and data analysis techniques for a developing hydrology (invited speakers only)	1					
		2					
		3			O (31)		
		4			O (31)		
		5					
HS1.2	Visions, trends and directions in subsurface hydrology (invited speakers only)	1					O (33)
		2					O (33)
		3					
		4					
		5					
HS1.3	Progress in hydrological sciences: what do we learn from our mistakes?	1					
		2					
		3	O (33)				
		4					
		5	P (A)				
HS2.1	Hydroinformatics: computational intelligence and technological developments in water science applications	1				O (34)	
		2				O (34)	
		3				O (34)	
		4					
		5				P (A)	
HS2.2	Dryland hydrology	1					
		2					
		3					P (A)
		4					O (30)
		5					
HS2.3	Recent development of statistical tools for hydrological application	1	O (35)				
		2	O (35)				
		3					
		4					
		5	P (A)				
HS2.4	Linking hydrology to hydraulic engineering and designing of river engineering works (Co-sponsored by the International Association of Hydraulic Engineering and Research (IAHR))	1					
		2					
		3					
		4	O (33)				
		5	P (A)				
HS2.5/ NH2.7	Hydrological extremes: from droughts to floods	1					
		2					P (A)
		3				O (31)	
		4				O (31)	
		5					
NH4.7/ HS2.7	Natural and anthropogenic hazards related to water reservoirs	1					
		2					
		3					
		4					
		5			P (XY)		
HS3.1	Subsurface assessment and characterisation of flow, transport, and fate using physical, chemical, and isotopic tools	1				O (33)	
		2				O (33)	
		3					
		4					
		5				P (A)	
HS3.2	Fissured and karstified aquifers	1					
		2					
		3			O (34)		
		4			O (34)		
		5			P (A)		
HS3.3	Shallow and deep geothermal energy	1					
		2					
		3				O (33)	
		4				O (33)	
		5				P (A)	
HS3.4	Ground water stochastic hydrology	1			O (33)		
		2			O (33)		
		3					
		4					
		5			P (A)		

Session	Title	TB	MO	TU	WE	TH	FR
HS3.5	Subsurface flow, solute transport, and energy processes: concepts, modelling, and observations	1					
		2					P (A)
		3					O (33)
		4					O (33)
		5					
HS3.6	Hydrogeophysics in subsurface hydrology	1		O (33)			
		2		O (33)			
		3					
		4					
		5		P (A)			
HS4.1	Monitoring and Modelling for Transfer Processes in the Soil-Plant-Atmosphere Continuum	1					
		2					
		3			O (33)		
		4			O (33)		
		5			P (A)		
HS4.2	Unsaturated zone flow and transport processes: from science to soil and water management	1	O (33)				
		2	O (33)				
		3					
		4					
		5	P (A)				
HS4.3	Reconciling Theory, Simulation, and Observations in Subsurface Flow and Transport Modeling	1					
		2					
		3	O (34)				
		4					
		5	P (A)				
HS4.4	Soil-plant interactions from the rhizosphere to field scale	1					
		2					
		3					
		4	O (34)				
		5	P (A)				
HS4.5	Production, transport, and emission of trace gases from the vadose zone to the atmosphere	1					
		2					
		3		O (34)			
		4					
		5		P (A)			
HS4.6	Large lysimeter studies for flow and transport model validation	1					
		2					
		3					
		4				O (34)	
		5				P (A)	
HS4.7	The role of interfaces in flow and transport in porous media	1					
		2					
		3					
		4		O (34)			
		5		P (A)			
HS5.2/ EOS7	Teaching Hydrology, Water Resources Management and Hydrologic Modelling (poster only)	1					
		2					
		3					
		4					
		5			P (A)		
HS5.3	Hydrological modelling. Adapting model complexity to the available data: approaches to model parsimony	1	O (31)				
		2	O (31)				
		3					
		4					
		5	P (A)				
HS5.4	Hydrological modelling. Transforming data into models: systematic model building in catchment hydrology	1					
		2					
		3	O (35)				
		4					
		5	P (A)				
HS5.5	Diagnostic Evaluation of Hydrological Models	1					
		2					
		3					
		4	O (35)				
		5	P (A)				
HS5.6/ NH2.3	Floodplain mapping and flood prevention techniques in the 21st century	1			O (34)		
		2			O (34)		
		3					
		4					
		5			P (A)		
HS5.7/ GM8.4	Heterogeneity of catchment processes at multiple scales - benchmarking observations, conceptualisation and prediction	1				O (31)	
		2				O (31)	
		3					
		4					
		5				P (A)	

Session	Title	TB	MO	TU	WE	TH	FR
HS5.9	Hydrological mapping and regionalization	1					
		2					P (A)
		3					O (31)
		4					
		5					
HS5.10	Catchment similarity for regional predictions in ungauged basins	1					
		2					P (A)
		3					
		4					O (31)
		5					
HS5.11	Water quality at the catchment scale: prediction and management of nutrient and sediment fluxes	1		O (31)			
		2		O (31)			
		3					
		4					
		5		P (A)			
HS5.12	Water quality at the catchment scale: assessment and management of micropollutants	1					
		2					
		3		O (31)			
		4		O (31)			
		5		P (A)			
HS5.13	Monitoring and modeling snow for hydrological purposes	1					
		2					O (31)
		3					P (A)
		4					
		5					
HS5.15	Large-scale hydrology: understanding and predicting hydrological variations	1					
		2					O (32)
		3					P (A)
		4					
		5					
HS5.14	Hydrological processes and extreme events in mountain areas	1					O (31)
		2					P (A)
		3					
		4					
		5					
HS5.16	Large-scale hydrology: modelling and assimilation	1					
		2					P (A)
		3					
		4					O (32)
		5					
HS5.17	Hydrological Change: Future Projections of Hydrological Behaviour	1			O (31)		
		2			O (31)		
		3					
		4					
		5			P (A)		
HS5.18	Identification and quantification of anthropogenic influences using experimental basins	1					O (32)
		2					P (A)
		3					
		4					
		5					
HS5.19	Hydrological Earth Observatories and Artificial Catchments	1					
		2					P (A)
		3					O (32)
		4					
		5					
HS5.20	The role of vegetation in catchment hydrology	1					
		2					
		3	O (2)				
		4					
		5	P (A)				
HS6.1	Integrated water resources assessment and management: Developing countries, environment and legal frameworks	1			O (32)		
		2			O (32)		
		3			O (32)		
		4					
		5			P (A)		
HS6.2	Integrated Water Resources Management and Climate Change (including Outstanding Young Scientist Lecture)	1					
		2					
		3					
		4			O (32)		
		5			P (A)		
HS7.1	Remote sensing of land surface - atmosphere interaction processes	1		O (32)			
		2					
		3					
		4					
		5		P (A)			

Session	Title	TB	MO	TU	WE	TH	FR
HS7.2	Remote sensing retrievals and uncertainty	1					
		2					
		3					
		4					
		5		P (A)			
HS7.3	Use of remote sensing data for distributed land surface modeling	1					
		2		O (32)			
		3					
		4					
		5		P (A)			
HS7.4	Remote sensing of soil moisture	1					
		2					
		3					
		4		O (32)			
		5		O (32)/ P (A)			
HS7.5	Operational hydrological applications of remote sensing	1					
		2					
		3		O (32)			
		4					
		5		P (A)			
HS8.1/ AS4.1/ NH1.2/ NP3.6	Precipitation: from measurement to modelling and application in catchment hydrology	1					
		2					
		3	O (31)				
		4	O (31)				
		5	P (A)				
HS8.2/ CL22/ NP4.4	Climate, Water and Health	1		O (34)			
		2					
		3					
		4					
		5		P (A)			
HS8.4	Ensemble Representations of Rainfall Observation and Analysis Uncertainty	1					
		2		O (34)			
		3					
		4					
		5		P (A)			
HS9.1/ GM9.2	Coasts and Estuaries	1	O (34)				
		2	O (34)				
		3					
		4					
		5	P (A)				
HS9.2/ OS16	Lakes and Inland Seas	1					O (34)
		2					O (34)
		3					P (A)
		4					
		5					
HS9.3	Climate-soil and vegetation interactions in ecological-hydrological processes	1				O (32)	
		2				O (32)	
		3					
		4					
		5				P (A)	
HS9.5	Hydrological, biogeochemical and hydroecological processes and interactions at the groundwater surface water interface (hyporheic zone)	1					
		2					P (A)
		3					O (34)
		4					O (34)
		5					
HS9.6	Hydrology and Ecology interfaces: processes and interactions in wetland, riparian and groundwater-based ecosystems	1					
		2					
		3				O (32)	
		4				O (32)	
		5				P (A)	
HS10.1/ AS4.3/ NP5.4	Ensemble hydrological forecasting: from theory to practice	1					
		2					
		3	O (32)				
		4					
		5	P (A)				
HS10.2/ NH2.5	Flash flood events: observations, processes and forecasting	1	O (32)				
		2	O (32)				
		3					
		4					
		5	P (A)				
HS10.3	Uncertainty and data assimilation in hydrological forecasting	1					
		2					
		3					
		4	O (32)				
		5	P (A)				

Session	Title	TB	MO	TU	WE	TH	FR
HS10.4	Medium and long-term hydrological forecasting for water management and allocation	1					
		2					
		3		O (20)			
		4					
		5		P (A)			
HS10.5	Hydrological models and methods in operational forecasting systems	1					
		2					
		3					
		4		O (20)			
		5		P (A)			
HS11.1/ NH4.4	Rainfall triggered landslides and debris flows and their effect on erosion and sediment yield in river catchments	1					
		2					
		3				O (35)	
		4					
		5				P (A)	
HS11.2	Sediment transport in small and large streams: measurement techniques and modelling	1				O (35)	
		2				O (35)	
		3					
		4					
		5				P (A)	
HS11.3	Sediment response to catchment disturbances	1					O (2)
		2					P (A)
		3					
		4					
		5					
HS11.4	The influence of dams on sediment regimes and implications for management	1					
		2					
		3					
		4				O (35)	
		5				P (A)	
NH4.14/ HS11.6	Landslide Forecasting	1		O (29)			
		2		O (29)			
		3					
		4					
		5		P (XY)			
NH4.2/ HS11.7	Hydrological processes in landslide research: analysis and quantification	1			O (18)		
		2			O (18)		
		3					
		4					
		5			P (XY)		
SSS14/ HS11.8	Tracing sediments and colloids in the environment	1					
		2					
		3					
		4				O (24)	
		5				P (A)	
SC3	How to write (and publish) a scientific paper in hydrology	1					
		2					
		3					
		4	O (SM2)				
		5					
SC4	Meet the expert in hydrology - Round tables among young and established scientists	1					
		2					
		3					
		4	O (SM5)				
		5					
NH1.5/ HS13.01	Assessment of Weather-related Risk on Agricultural Production and Agribusiness	1					
		2					
		3	O (30)				
		4	O (30)				
		5	P (XY)				
BG1.6/ HS13.02	Urbanisation and its complex interactions with the Biosphere and the water cycle	1	P (BG)				
		2					
		3					
		4					
		5					
GM3.3/ CL65/ HS13.03/ NH2.4	Flooding and climate during the last two millennia	1					
		2					
		3				O (19)	
		4					
		5				P (A)	
BG1.4/ HS13.04	Water transfer, element fluxes and carbon export from soils to streams and rivers: Processes, modelling and implications at the catchment scale (co-sponsored by EAG)	1			O (22)		
		2					
		3				P (BG)	
		4					
		5					

Session	Title	TB	MO	TU	WE	TH	FR
CR8.1/ HS13.05	Mountain Hydrology and Climatology: present state and future scenarios	1	O (20)				
		2	O (20)				
		3					
		4					
		5	P (XY)				
CR8.3/ HS13.06/ NH7.4	Glacial Lake Outburst Floods: Current issues - future concerns	1					
		2					
		3		O (33)	P (XY)		
		4					
		5					
NP3.5/ HS13.08	Scales and scaling in surface and subsurface hydrology	1					
		2			O (15)	P (XY)	
		3					
		4					
		5					
NP3.8/ HS13.09	Solid Earth geocomplexity: surface processes, morphology and natural resources over wide ranges of scale	1					
		2				P (XY)	
		3			O (15)		
		4					
		5					
EOS4	The future of European engineering: education and research	1					
		2					
		3			O (9)		
		4			O (9)		
		5			P (EOS)		
AS1.14	African Monsoon Multidisciplinary Analysis (AMMA)	1					O (12)
		2					O (12)
		3					O (12)
		4					P (XY)
		5					
AS2.1	Air-Land Interactions (General Session)	1			O (1)		
		2			O (1)		
		3					
		4					
		5			O (1)	P (XY)	
BG1.9	Analysis and Characterization of Black Carbon in the Environment	1	O (21)				
		2					
		3					
		4	P (BG)				
		5					
GM9.1	Coastal zone geomorphologic interactions: natural versus human-induced driving factors	1					
		2					
		3					
		4	O (29)				
		5	P (A)				
BG5.3	Water isotopes in hydrological processes (co-sponsored by EAG)	1					
		2					
		3			O (22)		
		4			P (BG)		
		5					
NP8.1/ CL58	Uncertainty, Random Dynamical Systems, Climate Trends and Stochastic Modeling in Geophysics	1					
		2				P (XY)	
		3					
		4					
		5			O (27)		
CL20	Land-climate interactions from models and observations: Implications from past to future climate (co-sponsored by ILEAPS & GLASS)	1					O (27)
		2					O (27)
		3					
		4					
		5		O (28)/ P (XY)			
CL54/ NP4.5	Climate time series analysis: Novel tools and their application	1				O (14)	
		2				O (14)	
		3					
		4					
		5				P (XY)	
CR3.1	Remote sensing of cryosphere	1					
		2	P (XY)				
		3					
		4	O (20)				
		5	O (33)				
GM1.3/ NP3.10	Stochastic Transport and Emergent Scaling on the Earth's Surface	1					
		2					
		3			O (19)		
		4					
		5			P (A)		

Session	Title	TB	MO	TU	WE	TH	FR
GM6.1	Soil erosion and geomorphology (including Ralph Alger Bagnold Medal Lecture)	1					
		2					
		3					
		4					
		5		O (19)			
GM8.2	Sediment transport, erosion, and channel morphology	1			O (19)		
		2			O (19)		
		3					
		4					
		5			P (A)		
GI1/ MPRG22	Open Session on Geoscience Instrumentation	1					
		2					
		3					
		4	O (7)				
		5	O (7)	P (XY)			
NH1.1	Precipitation Science	1		O (6)	O (6)		
		2		O (6)	O (6)		
		3		O (6)	P (XY)		
		4		O (6)	P (XY)		
		5		O (6)			
NP3.2	Atmospheric and climate complexity over wide ranges of scale	1					
		2		O (15)		P (XY)	
		3					
		4					
		5					
NP3.4	Geophysical Extremes: Scaling representations and their applications	1			O (15)		
		2				P (XY)	
		3					
		4					
		5					
NP5.1	Predictability, model error dynamics, and high impact events	1				P (XY)	
		2					
		3			O (3)		
		4					
		5					
SSS1	The scale problem in soil erosion studies	1			O (25)		
		2			O (25)		
		3			O (25)		
		4					
		5			P (A)		
SSS9	Preferential flow as a scale problem: From pore scale up to the catchment scale	1					
		2					
		3		O (24)			
		4					
		5		P (A)			
SSS17	Experimental Methods in Soil Erosion Studies	1					
		2					
		3	O (24)				
		4					
		5	P (A)				
NH2.1	Floods: monitoring, modelling, risk and uncertainty	1		O (18)			
		2					
		3					
		4					
		5		P (XY)			
NH9.2/ GM7.3	Natural and anthropogenic hazards in karst areas	1					
		2	O (29)				
		3	O (29)				
		4					
		5	P (XY)				
NP3.9/ SSS39	Complexity and nonlinearity in soils	1					
		2				P (XY)	
		3					
		4			O (15)		
		5			O (15)		
OS20	Preparing for ESA's Soil Moisture and Ocean Salinity Mission	1					
		2		P (XY)			
		3		O (3)			
		4		O (3)			
		5	O (6)	O (3)			
IG8	Isotope tracers in catchment hydrology	1					
		2					
		3					
		4			P (XY)		
		5			O (37)		
BG2.11	Biogeochemistry and ecohydrology of arid and semi-arid ecosystems	1					
		2	P (BG)				
		3					
		4	O (22)				
		5					