

## EGU 2008 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: We, 12:15–13:15, Room 29

Session	Title	TB	MO	TU	WE	TH	FR
HS1.1	Science impact in hydrology: interaction between research and applied engineering (invited speakers only)	1					
		2					
		3			O (29)		
		4			O (29)		
		5					
HS1.2	Linking Participation and knowledge sharing with Integrated Land Use Management	1					
		2					
		3	O (32)				
		4					
		5	P (A)				
IS21 - HS1.3/ NH2.8/ NP3.11	Hydrological Extremes (co-organised by HS, NH & NP; co-listed in GM)	1					
		2					P (A)
		3					O (32)
		4					O (32)
		5					
HS1.4	Recent Advances in Global Energy and Water Cycle Research	1					
		2					
		3					
		4					
		5			P (A)		
IS8 - CR13/ HS1.6/ NH7.3	Glacial Lake Outburst Floods: Current issues - future concerns (co-organized by CR, HS & NH)	1			O (30)		
		2					
		3					
		4					
		5		P (A)			
IS10 - G17/ HS1.7/ NH10.4	Ground Movement: Measurements, Subsurface Causes, and Interpretation (co-organized by G, HS & NH; co-listed in GM)	1					
		2					
		3		O (6)			
		4		O (6)			
		5	P (XY)				
IS40 - NP3.04/ HS1.8/ NH10.5	Geophysical Extremes: scaling versus nonstationarity (co-organized by NP, HS & NH, co-listed in AS)	1					
		2					
		3	P (A)				
		4		O (27)			
		5					
IS41 - NP3.08/ HS1.9	Scales and scaling in surface and subsurface hydrology (co-organized by NP & HS, co-listed in NH)	1					
		2					
		3					
		4					
		5	P (A)		O (9)		
IS22 - HS2.1/ NP1.05	Climate, Water and Health (co-organised by HS & NP)	1		O (29)			
		2		O (29)			
		3		O (29)			
		4					
		5		P (A)			
IS23 - HS2.3/ NH2.7/ CL53	Climatic and hydrological perspectives on long-term changes (co-organised by HS, NH & CL)	1			O (32)		
		2			O (32)		
		3					
		4					
		5			P (A)		
IS24 - HS2.4/ NP3.10	Precipitation: from measurement to modelling and application in catchment hydrology (co-organised by HS & NP, co-listed in AS)	1				O (29)	
		2				O (29)	
		3				O (29)	
		4					
		5				P (A)	
HS3.1	Predictive probability, uncertainty and data assimilation in hydrological forecasting	1				O (32)	
		2				O (32)	
		3					
		4					
		5				P (A)	
HS3.3	Medium and long-term hydrological forecasting for water management and water allocation	1					
		2					
		3				O (32)	
		4					
		5				P (A)	

Session	Title	TB	MO	TU	WE	TH	FR
HS3.4	Hydrological Forecasting Open Session. Local, regional and national hydrological forecasting systems. Real-world case studies	1					
		2					
		3					
		4				O (32)	
		5				P (A)	
IS31 - NH2.5/ AS4.02/ HS3.5	Flash floods: observations and analysis of atmospheric and hydrological controls (co-organized by NH, AS & HS)	1	O (33)				
		2	O (33)				
		3	O (33)				
		4					
		5	P (XY)				
HS4.1	Integrated water resources assessment and technology transfer, with special focus on developing countries	1					O (29)
		2					O (29)
		3					P (A)
		4					
		5					
HS4.2	Water science: source of conflict or cooperation?	1					
		2					P (A)
		3					O (29)
		4					O (29)
		5					
HS5.1	Science for improved sediment and habitat management in aquatic ecosystems (co-listed in GM & SSS)	1					
		2					
		3		O (33)			
		4					
		5		P (A)			
IS60 - SSS3/ HS5.2	Linking the land to the water: understanding the impacts of soil erosion and nutrient loss on soil and water quality from hillslope to large catchment scales (co-organised by SSS & HS)	1			O (23)		
		2			O (23)		
		3					
		4					
		5			P (XY)		
HS5.3	Sediment dynamics during extreme events	1					
		2					
		3					
		4		O (33)			
		5		P (A)			
HS6.1	Hydroinformatics: computational intelligence and technological developments in water science applications	1					
		2					
		3			O (32)		
		4			O (32)		
		5			P (A)		
HS7.1	Climate-soil and vegetation interactions in ecological-hydrological processes	1			O (31)		
		2			O (31)		
		3					
		4					
		5			P (A)		
HS7.2	Lakes and Inland Seas under Anthropogenic Pressure and Climate Change	1					
		2					
		3					
		4		O (32)			
		5		P (A)			
HS7.3	Wetland ecohydrology: interactions and feedbacks between water table, soil moisture, and vegetation (co-listed in BG)	1					
		2		O (33)			
		3					
		4					
		5		P (A)			
HS7.4	Hydro-ecology of riparian zones: hyporheic controls at the groundwater - surface water interface	1	O (31)				
		2	O (31)				
		3					
		4					
		5	P (A)				
IS70 - GM6.1/ HS7.5	Coasts and Estuaries (co-organized by GM & HS)	1					
		2					
		3		O (18)			
		4		O (18)			
		5		P (A)			
HS7.7	Riverine systems: new methods, concepts and applications linking hydrology, hydraulics, geomorphology and ecology (co-listed in BG & GM)	1					
		2					
		3	O (31)				
		4	O (31)				
		5	P (A)				
HS8.1	Monitoring and Modelling for Transfer Processes in the Soil-Plant-Atmosphere Continuum (co-listed in SSS)	1					
		2					
		3			O (31)		
		4			O (31)		
		5			P (A)		

Session	Title	TB	MO	TU	WE	TH	FR
HS8.3	Unsaturated zone flow and transport processes: from science to soil and water management	1					
		2			O (33)		
		3					
		4					
		5			P (A)		
HS8.4	Reconciling Theory, Simulation, and Observations in Subsurface Flow and Transport Modeling	1			O (33)		
		2					
		3					
		4					
		5			P (A)		
HS8.5	Investigating and understanding soil-plant interactions from micro to plot scale (co-listed in SSS)	1					
		2					
		3				O (33)	
		4					
		5				P (A)	
HS8.6	Large Lysimeter Studies and Water Budget Prediction of Ungauged Land Surface Elements (co-listed in SSS)	1				O (33)	
		2				O (33)	
		3					
		4					
		5				P (A)	
HS8.7	Production, transport, and emission of trace gases from the vadose zone to the atmosphere (co-listed in BG)	1					
		2					
		3					
		4				O (33)	
		5				P (A)	
HS9.1	Subsurface flow, solute transport, and energy processes: concepts, modelling, and observations (co-listed in SSS)	1					
		2					
		3	O (30)				
		4	O (30)				
		5	P (A)				
HS9.2	Subsurface assessment and characterisation of flow, transport, and fate using physical, chemical, and isotopic tools (co-listed SSS)	1					
		2					
		3					
		4		O (29)			
		5	P (A)				
HS9.3	Hydrogeophysics in subsurface hydrology	1			O (29)		
		2			O (29)		
		3					
		4					
		5			P (A)		
HS9.4	Fissured and karstified aquifers	1		O (32)			
		2					
		3					
		4					
		5	P (A)				
HS9.5	Urban impacts on soils and groundwater -- Requirement of groundwater management	1					
		2					
		3			O (33)		
		4					
		5			P (A)		
HS9.6	Shallow and deep geothermal energy	1					
		2					
		3		O (32)			
		4					
		5	P (A)				
HS9.7	Groundwater stochastic hydrology	1					
		2		O (32)			
		3					
		4					
		5		P (A)			
HS10.1	The ungauged catchment problem - a benchmark assessment	1					
		2					
		3					
		4		O (31)			
		5		P (A)			
HS10.2	Objective and process-based catchment classification as a tool for prediction in ungauged basins	1					
		2					
		3		O (31)			
		4					
		5		P (A)			
HS10.3	Catchment structure and connectivity - observations, analysis and modelling (co-listed in BG, GM & SSS)	1		O (31)			
		2		O (31)			
		3					
		4					
		5		P (A)			

Session	Title	TB	MO	TU	WE	TH	FR
IS25 - HS10.4/ NH2.6	Floodplain mapping and flood prevention techniques (co-organised by HS & NH)	1					O (33)
		2					O (33)
		3					P (A)
		4					
		5					
HS10.5	Monitoring and modeling snow for hydrological purposes (co-listed in CR)	1					
		2					O (31)
		3					P (A)
		4					
		5					
HS10.7	Hydrological change: detecting change of hydrological behaviour (co-listed in NP)	1					O (32)
		2					
		3					P (A)
		4					
		5					
HS10.8	Hydrological Change: Predicting Variation of Hydrological Behaviour (co-listed in AS & CL)	1					
		2					O (32)
		3					P (A)
		4					
		5					
HS10.9	Artificially drained catchments – from monitoring studies towards management approaches	1					
		2					
		3					
		4				O (29)	
		5				P (A)	
HS10.12	Hydrological measurements: new technologies for characterising hydrological and hydrochemical behaviour	1					O (31)
		2					
		3					P (A)
		4					
		5					
HS10.13	Hydrological measurements: experimental catchments of different scales for interdisciplinary research	1					
		2					
		3					
		4					
		5			P (A)		
HS10.14	Catchment modelling and process understanding	1					
		2					P (A)
		3					O (31)
		4					O (31)
		5					
HS10.16	Prediction and management of water quality on the catchment scale	1	O (29)				
		2	O (29)				
		3					
		4					
		5	P (A)				
HS10.18	Linking catchment hydrological and biogeochemical processes across spatial scales	1		O (33)			
		2					
		3					
		4					
		5		P (A)			
HS11.1	Remote sensing retrieval techniques and data assimilation	1					
		2					
		3					
		4			O (33)		
		5				P (A)	
HS11.2	Remote sensing applications in hydrology and water management	1				O (31)	
		2				O (31)	
		3					
		4					
		5				P (A)	
HS11.5	Soil moisture estimation using field instrumentation, remote sensing and modelling	1					
		2					
		3				O (31)	
		4				O (31)	
		5				P (A)	
CR8	Remote sensing of cryosphere (co-listed in HS & OS)	1					
		2					
		3	O (29)				
		4	O (29)				
		5	P (A)				
IS48 - OS21/ CL3/ HS12.1/ NH6.5	Observations and Causes of Sea Level Change: A Session to Mark the 75th Anniversary of the Permanent Service for Mean Sea Level (PSMSL) (co-organized by OS, CL, HS & NH)	1				P (XY)	
		2			O (4)	P (XY)	
		3			O (4)		
		4			O (4)		
		5			O (4)		

Session	Title	TB	MO	TU	WE	TH	FR
NH2.2	Flood risk and uncertainty (co-listed in GM & HS)	1		O (28)			
		2		O (28)			
		3					
		4					
		5		P (XY)			
GI1	Open Session on Geoscience Instrumentation (co-listed in GMPV, G, HS, MPRG, NH, OS & SM, SMP, SSS)	1					
		2					
		3	O (2)				
		4	O (2)				
		5	O (2)		P (XY)		
CR1	The International Polar Year 2007 - 2008 (co-listed in AS, BG, CL, HS & OS)	1					
		2					
		3					
		4					
		5		O (13)/ P (A)			
GM4.2	Soil erosion as a geomorphological process (co-listed in HS)	1					
		2					O (18)
		3					P (A)
		4					
		5					
GM4.4	Surface and Subsurface Karst Geomorphology	1	O (7)				
		2					
		3					
		4					
		5	P (A)				
GM5.1	Dynamics and morphology of erosional channels (co-listed in HS)	1					
		2					
		3				O (9)	
		4					
		5				P (A)	
GM5.2	River meander dynamics (co-listed in HS)	1	O (18)				
		2					
		3					
		4					
		5				P (A)	
GM5.3	Linking geomorphological and hydrological processes at reach and catchment scales (co-listed in HS)	1					
		2					
		3					
		4				O (9)	
		5				P (A)	
GM5.6	Remote Sensing of Rivers: Methods, Applications, and Theory (co-listed in HS)	1		O (18)			
		2		O (18)			
		3					
		4					
		5		P (A)			
CR14	Mountain Hydrology, Glaciology and Climatology: present state and future scenarios (co-listed in HS)	1	O (32)				
		2	O (32)				
		3					
		4					
		5				P (A)	
AS1.14	African Monsoon Multidisciplinary Analysis (AMMA) (co-listed in BG, CL, HS, OS & SSS)	1				O (10)	
		2				O (10)	
		3				P (XY)	
		4			O (10)		
		5					
CL22	Land-climate interactions from models and observations: Implications from past to future climate (co-sponsored by ILEAPS & GLASS; co-listed in AS, BG & HS)	1	O (26)				
		2	O (26)				
		3					
		4					
		5	P (XY)				
AS2.01	Air-Land Interactions (General Session) (co-listed in BG & HS)	1			O (1)		
		2			O (1)		
		3			O (1)		
		4			P (XY)		
		5					
NP5.01	Quantifying predictability including high impact weather (THORPEX) and hydrology (HEPEX) (co-listed in HS & NH)	1			O (27)		
		2			O (27)		
		3				P (A)	
		4					
		5					
CL35	Subsurface temperature signals of climate change, processes involved, and importance to climate modeling (co-listed in CR, GI, HS, & SSS)	1					
		2					
		3				O (13)	
		4				O (13)	
		5				P (XY)	

Session	Title	TB	MO	TU	WE	TH	FR
NP3.02	Scale, Scaling, nonlinear variability and turbulent structures in the atmosphere and the climate (co-listed in AS, CL & HS)	1					
		2					
		3	P (A)	O (27)			
		4					
		5					
NP3.05	Uncertainty, Random Dynamical Systems and Stochastic Modeling in Geophysics (co-listed in HS)	1				O (9 )	
		2					
		3			P (A)		
		4					
		5					