EGU 2010 – Hydrological Sciences (HS)

O: Oral Presentation (Lecture Room) / P: Poster Presentation (First Poster Board)
TB: 1: 08:30–10:00 / 2: 10:30–12:00 / 3: 13:30–15:00 / 4: 15:30–17:00 / 5: 17:30–19:00 / 6: 19:00–20:00
Division Business Meeting: We, 12:15–13:15, Room 33

Session	Title	TB	Mo	Tu	We	Th	Fr
ML2	Alfred Wegener Medal Lecture by Jean-Yves Parlange	1					
		2					
		3					
		4			O (D)		
		5					
ML31	Outstanding Young Scientist Lecture by Jasper A. Vrugt	1					
		2					
		3					
		4				O (39)	
		5					
ML15	John Dalton Medal Lecture by Martinus Th. (Rien) van Genuchten	1					
		2					
		3					
		4					
		5					
		6		O (33)			
ML16	Henry Darcy Medal Lecture by Renzo Rosso	1					
		2					
		3					
		4					
		5					
		6				O (33)	
HS1 – Visionary sessions							
HS1.1	Interdisciplinarity in hydrology	1			O (33)		
		2			O (33)		
		3					
		4					
		5					
HS1.2/SSS35	Soil physics and unsaturated zone hydrology: Joint visions for progress in subsurface geosciences	1					O (33)
		2					O (33)
		3					P (A58)
		4					
		5					
HS2 – Erosion, Sedimentation and River Processes							
HS2.2/GM4.5	Impact of climate and land use change on erosion, sediment transport and sedimentation	1					
		2				O (34)	
		3					
		4					
		5				P (A61)	
HS2.3/SSS47	Modelling erosion: from hillslope soil erosion to fluvial export, can we gain from each other?	1				O (34)	
		2					
		3					
		4					
		5				P (A76)	
HS2.4/GM3.4	Sediment transfer and transit time across scales: tracing, budgetting and modelling	1					
		2					
		3				O (34)	
		4					
		5				P (A89)	
HS2.5/GM3.5	Measuring and modelling sediment transport in small and large streams	1					
		2					
		3					
		4				O (34)	
		5				P (A105)	
HS3 – Estuaries, Wetlands & Eco-Hydrology							
HS3.1	Restored river corridor dynamics: experiments, observations and modelling	1					
		2					
		3			O (33)		
		4			O (33)		
		5			P (A38)		
HS3.2	Management and restoration impacts on runoff regimes, water quality and ecosystem services	1					
		2					
		3		O (39)			
		4		O (39)			
		5		P (A177)			

Session	Title	TB	Mo	Tu	We	Th	Fr
GM10.1/HS3.3	Coasts and estuaries	1			O (21)		
		2			O (21)		
		3					
		4					
		5			P (XL86)		
HS3.4/OS19	Lakes and inland seas	1					
		2					
		3		O (34)			
		4		O (34)			
		5		P (A201)			
HS3.5	Interactions between surface water, groundwater, and the hyporheic zone	1				O (33)	
		2				O (33)	
		3					
		4					
		5				P (A127)	
HS3.6	Dam operations: abiotic and biotic effects, release management and mitigation/restoration options	1					
		2					
		3					
		4	O (38)				
		5	P (A95)				
HS3.7	Climate-soil and vegetation interactions in ecological-hydrological processes	1			O (36)		
		2			O (36)		
		3					
		4					
		5			P (A62)		
HS4 – Catchment Hydrology							
HS4.1	Prediction in Ungauged Basins: outlook on the fourth Biennium	1					
		2					P (A66)
		3					O (33)
		4					O (33)
		5					
HS4.2	Improving process understanding, classification, model development and evaluation in hydrology using comparative assessment techniques	1					
		2					
		3					
		4		O (36)			
		5		P (A222)			
HS4.3	Observational hydrology: Recent developments in distributed sensing techniques and experimental catchments	1					
		2	O (34)				
		3					
		4					
		5	P (A117)				
HS4.4	Observational hydrology: Snap-shot sampling of streams and catchments	1					
		2					
		3	O (34)				
		4					
		5	P (A137)				
HS4.6/IG8	Observational hydrology: Recent development in isotope and other tracer methods	1					
		2					
		3					
		4	O (34)				
		5	P (A147)				
HS4.7	Catchment hydrology and remote sensing: parameter retrieval and integration with models	1			O (34)		
		2					
		3					
		4					
		5			P (A84)		
HS4.8	Large scale hydrology	1					
		2			O (34)		
		3					
		4					
		5			P (A95)		
HS4.9	Parsimony in hydrological modelling	1					
		2					
		3					
		4				O (36)	
		5				P (A152)	
HS4.10	Impact of land use and water management on hydrological processes under varying climatic conditions	1	O (33)				
		2	O (33)				
		3					
		4					
		5	P (A162)				
HS4.11	Hydrological change: Future projections of hydrological behaviour	1				O (36)	
		2				O (36)	
		3				O (36)	
		4					
		5				P (A163)	

Session	Title	TB	Mo	Tu	We	Th	Fr
HS4.12	Hydrological extremes: from droughts to floods	1					
		2					
		3			O (36)		
		4			O (36)		
		5			P (A115)		
HS4.13	Mountain hydrology: Observations, processes and models	1		O (34)			
		2					
		3					
		4					
		5		P (A243)			
HS4.14	Mountain Hydrology: Monitoring and modeling of snow	1					
		2		O (34)			
		3					
		4					
		5		P (A263)			
HS4.15	Water quality at the catchment scale: Prediction and management of nutrient and sediment fluxes	1		O (33)			
		2		O (33)			
		3					
		4					
		5			P (A149)		
HS4.16	Water quality at the catchment scale: Fate and transport of micropollutants	1					
		2					
		3		O (33)			
		4					
		5			P (A181)		
HS4.17	Flood management: Floodplain processes and inundation modelling	1					
		2					
		3					
		4		O (33)			
		5			P (A198)		
HS4.20	Anthropogenic influence on the hydrological cycle. How can we deal with mixed natural and artificialized catchments?	1					
		2					
		3	O (36)				
		4	O (36)				
		5	P (A191)				
HS4.21	Imprints of physical, chemical and biological patterns in the pioneering phase of catchments	1	O (34)				
		2					
		3					
		4					
		5	P (A225)				
HS4.22/EOS13	Hydrology education in a changing world	1					
		2					
		3					
		4			O (34)		
		5			P (A214)		
HS5 – Precipitation and Climate							
HS5.1/AS1.20/NH1.11/ NP3.6	Precipitation: from measurement to modelling and application in catchment hydrology	1		O (36)			
		2		O (36)			
		3		O (36)			
		4					
		5		P (A277)			
HS5.3/CL2.17/NP1.4	Climate, water and health	1					
		2					
		3					
		4					
		5			P (A225)		
HS5.4/AS4.1/CL2.14	Hydrological change versus climate change	1					
		2					
		3	O (33)				
		4	O (33)				
		5	P (A242)				
HS5.5/NP6.10	Stochastics in hydrometeorological processes: from point to global spatial scales and from minute to climatic time scales	1					
		2	O (38)				
		3					
		4					
		5	P (A260)				
CL2.7/HS5.6	Land-climate interactions from models and observations: Implications from past to future climate (co-sponsored by iLEAPS)	1					
		2					
		3	O (18)				
		4	O (18)				
		5	P (XY353)				
HS6 – Unsaturated Zone							
HS6.1	Monitoring and modelling for transfer processes in the soil-plant-atmosphere continuum	1					
		2					
		3				O (38)	
		4				O (38)	
		5				P (A201)	

Session	Title	TB	Mo	Tu	We	Th	Fr
HS6.2	Unsaturated zone flow and transport processes: from science to soil and water management	1					
		2					
		3					O (41)
		4					P (A88)
		5					
HS6.3	Soil-plant interactions from the rhizosphere to field scale	1					
		2					
		3					P (A112)
		4					O (41)
		5					
HS6.5	Combining modelling and measuring to improve understanding of subsurface flow and transport systems	1				O (38)	
		2				O (38)	
		3					P (A128)
		4					
		5					
HS6.7	The role of interfaces in flow and transport in porous media	1					
		2					
		3			O (39)		
		4					
		5				P (A224)	
HS6.8	Multiphase flow in subsurface systems	1					
		2					
		3					P (A151)
		4					O (29)
		5					
HS6.9	Biosphere-atmosphere Interactions: :Production, transport, and emission of trace gases from the vadose zone to the atmosphere (co-sponsored by iLEAPS)	1					
		2					
		3					
		4			O (39)		
		5			P (A234)		
HS7 – Groundwater							
HS7.1	Groundwater recharge and near-surface hydrology	1					
		2			O (38)		
		3					
		4					
		5			P (A245)		
HS7.2	Hydrogeophysics in subsurface hydrology	1		O (38)			
		2		O (38)			
		3					
		4					
		5			P (A256)		
HS7.3	Subsurface flow, solute transport, and energy processes: Concepts, modelling, and observations	1			O (38)		
		2					
		3					
		4					
		5			P (A280)		
HS7.4	Characterizing subsurface processes and contaminant fate using physical, chemical, microbial and isotopic tools	1					
		2					
		3					
		4		O (38)			
		5		P (A315)			
HS7.5	Fissured and karstified aquifers	1					
		2					
		3	O (38)				
		4					
		5	P (A272)				
HS7.6	Shallow and deep geothermal energy	1	O (36)				
		2	O (36)				
		3					
		4					
		5	P (A286)				
HS7.7	Stochastic groundwater hydrology	1					
		2					
		3		O (38)			
		4					
		5		P (A339)			
HS7.8	Artificial recharge as a tool in the management of water resources	1	O (38)				
		2					
		3					
		4					
		5	P (A314)				
HS7.9	Advancing climate projections for the protection of groundwater resources	1					
		2					
		3					
		4					
		5			P (A297)		

Session	Title	TB	Mo	Tu	We	Th	Fr
HS8 – Hydroinformatics							
HS8.1	Hydroinformatics: computational intelligence and systems analysis	1					O (38)
		2					O (38)
		3					O (38)
		4					O (38)/ P (A161)
		5					
HS9 – Water Policy and Management							
HS9.1	Integrated water resources management and water institutions	1					
		2					P (A190)
		3					O (39)
		4					O (39)
		5					
HS9.2	Assessment and management of water resources in developing, Mediterranean, and dryland countries	1					O (39)
		2					O (39)
		3					
		4					P (A204)
		5					
HS10 – Remote Sensing and Data Assimilation							
HS10.1	Operational hydrological applications of remote sensing	1					
		2					
		3					
		4				O (33)	
		5				P (A238)	
HS10.2	Remote sensing of land surface - atmosphere interaction processes	1					
		2					
		3				O (33)	
		4					
		5				P (A257)	
HS10.3	Remote sensing retrievals and uncertainty	1					O (36)
		2					
		3					
		4					P (A227)
		5					
HS10.4	Earth observation of water cycle	1					
		2					O (36)
		3					
		4					P (A240)
		5					
HS10.5	Use of remote sensing data for distributed land surface modeling	1					
		2					
		3					O (36)
		4					P (A252)
		5					
HS10.6	Remote sensing of soil moisture	1					
		2					
		3					P (A266)
		4					O (36)
		5					
HS11 – Hydrological Forecasting							
HS11.1/AS4.4/NH1.13	Flash floods: Observations, modelling, forecasting and impacts	1					O (34)
		2					O (34)
		3					O (34)
		4					P (A284)
		5					
HS11.2	Hydrological forecasting systems: Models and methods in operational application	1				O (39)	
		2				O (39)	
		3					
		4					
		5				P (A272)	
HS11.3	Uncertainty, data assimilation and decision-making in hydrological forecasting (including Outstanding Young Scientist Lecture)	1					
		2					
		3					
		4				O (39)	
		5				P (A295)	
HS11.4/AS1.22/NH1.12	Towards practical applications in ensemble hydro-meteorological forecasting	1					
		2					
		3			O (38)		
		4			O (38)		
		5			P (A306)		
HS11.5	Hydrological monitoring and forecasting of water scarcity conditions	1					
		2					P (A319)
		3					
		4					O (34)
		5					

Session	Title	TB	Mo	Tu	We	Th	Fr
HS12 – Short Courses							
SC5	How to write (and publish) a scientific paper in hydrology	1					
		2					
		3					
		4					
		5			O (37)		
SC6	Meet the expert in hydrology - Round tables among young and established scientists	1					
		2					
		3					
		4					
		5			O (39)		
HS13 – Co-organised and co-listed sessions							
TS8.1/G16/GD2.11/ GM1.2/GMPV46/HS13.1/ MPRG18/NH4.5/SM7.1	One year after the Abruzzo 2009 earthquake	1					
		2					
		3		O (30)			
		4		O (30)			
		5			P (A454)		
NP3.5/HS13.2	Scales and scaling in surface and subsurface hydrology	1					
		2					
		3			O (17)		
		4					
		5			P (XY594)		
NH1.4/HS13.3	Flood risk and uncertainty	1					
		2		O (3)			
		3					
		4					
		5		P (XY498)			
CR12.1/HS13.5	Cold regions hydrology in a changing climate	1					
		2					
		3					
		4					
		5			P (XY333)		
ERE6.2/CL2.15/HS13.6	Climate change impact on economical and industrial activities	1					O (7)
		2					
		3					
		4					P (XL32)
		5					
OS8/HS13.8	ESA's Soil Moisture and Ocean Salinity Mission - calibration and validation activities and first results	1					
		2					
		3		O (6)			
		4					
		5		P (XL354)			
SM2.2/GD2.15/HS13.9/ NH4.13/TS2.6	Fault zone processes from (integrated) geophysical imaging	1				O (27)	
		2					
		3					
		4					
		5				P (XL260)	
GM3.6/HS13.10	Stochastic sediment transport: from measurements to morphogenesis	1					
		2					
		3					
		4					O (21)/ P (XL39)
		5					
GM9.2/HS13.11	Sediment transport, erosion, and channel morphology	1					O (21)
		2					O (21)
		3					
		4					P (XL111)
		5					
CL4.15/CR1.5/HS13.12	Climate, Cryosphere and Hydrosphere in Flux	1					P (XY318)
		2					P (XY323)
		3					
		4					
		5					
HS13.13/NH3.16	Hydrological processes in landslide research: analysis and quantification	1					
		2					
		3			O (34)		
		4					
		5			P (A328)		
SSS20	Postfire hydrology and erosion processes: linking impacts across spatial and temporal scales	1					
		2				O (8)	
		3					
		4					
		5				P (Z224)	
SSS1	Rainfall simulation as a tool for soil erosion and soil hydrology studies	1			O (1)		
		2			O (1)		
		3			O (1)		
		4					
		5			P (XY679)		

Session	Title	TB	Mo	Tu	We	Th	Fr
GM10.2	Coastal zone geomorphologic interactions: natural versus human-induced driving factors	1					
		2					
		3			O (21)		
		4					
		5			P (XL111)		
SSS29	Applications of preferential flow	1					
		2					
		3			O (2)		
		4					
		5				P (Z260)	
NP3.8	Geophysical Downscaling Methods	1					
		2				O (17)	
		3					
		4					
		5				P (XY701)	
BG1.3	Urbanisation process, its dynamics and complex interactions of urban land with the Biosphere and the water cycle	1					
		2					
		3					
		4					
		5				P (BG1)	