EGU 2010 – Natural Hazards (NH)

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: Th, 12:15–13:15, Room 4

Session	Title	TB	Mo	Tu	We	Th	Fr
ML19	Plinius Medal Lecture by Ira Didenkulova	1					
		2					O (10)
		3					
		4					
		5					
ML20	Sergey Soloviev Medal Lecture by David Keefer	1					
		2			O (4)		
		3					
		4					
		5					
NH1 – Hydro-Meteorological Hazards							
NH1.3/AS4.14	Lightning: physics, detection and atmospheric effects	1					
		2					
		3			O (3)		
		4			O (3)		
		5			P (XY463)		
NH1.4/HS13.3	Flood risk and uncertainty	1					
		2		O (3)			
		3					
		4					
		5		P (XY498)			
NH1.5/AS4.5/CL4.13	Assessment of Weather-related Risk on Agricultural Production and Agribusiness	1		O (3)			
		2					
		3					
		4					
		5		P (XY509)			
NH1.7/AS4.10	Extreme events induced by extreme weather and climate change: Evaluation and forecasting of disaster risk and proactive planning	1	O (3)				
		2	O (3)				
		3					
		4					
		5	P (XY546)				
NH1.9	Hydrometeorological modeling under extremes: issues of scale, dependence and robust frameworks for collective risk assessment	1					
		2					
		3		O (3)			
		4		O (3)			
		5		P (XY523)			
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)			
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)		
HS11.1/AS4.4/NH1.13	Flash floods: Observations, modelling, forecasting and impacts	1					O (34)
		2					O (34)
		3					O (34)
		4					P (A284)
		5					
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)			
NH2 – Volcanic Hazards							
NH2.1/GMPV11	Hazardous volcanic flows associated with eruptions and landslides	1				O (4)	
		2					
		3					
		4					
		5				P (XY535)	

Session	Title	TB	Mo	Tu	We	Th	Fr
NH2.2	Passive satellite techniques and ground-based potential field investigations of volcanic activity	1					
		2					
		3					
		4	O (3)				
		5	P (XY573)				
GMPV10/NH2.5	Understanding and forecasting of volcanic hazards and risks: paradigms and progress	1					
		2					
		3					
		4			O (20)		
		5			P (XL184)		
NH3 – Landslide Hazards							
NH3.2	Landslide Forecasting	1		O (4)			
		2					
		3					
		4					
		5		P (XY538)			
NH3.3	Landslides, ground-failures and mass movements induced by earthquakes and volcanic activity (including Sergey Soloviev Medal Lecture)	1			O (4)		
		2			O (4)		
		3					
		4					
		5			P (XY487)		
NH3.4	Remote sensing and geophysical techniques for investigating unstable slopes (co-listed in GI and GM)	1					
		2					
		3			O (4)		
		4			O (4)		
		5			P (XY502)		
NH3.6	Mechanisms of landslides under seismic and rainstorm conditions	1					
		2					P (XY329)
		3					
		4					
		5					
NH3.5	Landslides monitoring and characterization using high resolution DEM, LIDAR and other DEM techniques	1					
		2					
		3		O (4)			
		4					
		5		P (XY558)			
NH3.8	Large slope instabilities: from dating, triggering, monitoring and evolution modelling to hazard assessment	1					
		2					P (XY342)
		3					O (4)
		4					O (4)
		5					
NH3.9	Landslide risk assessment methods and strategies	1					O (4)
		2					P (XY364)
		3					
		4					
		5					
NH3.10	Hydrological, hydraulic, and mechanical effects of plants for slope stability	1					
		2					
		3					
		4					
		5		P (XY574)			
NH3.11	Documentation and monitoring of landslides and debris flows for mathematical modelling and design of mitigation measures	1					
		2					
		3					
		4	O (4)				
		5	P (XY592)				
NH3.12	Rainfall triggered landslides and debris flows and their effect on erosion and sediment yield in river catchments	1					
		2		O (4)			
		3					
		4					
		5		P (XY589)			
NH3.13	Prediction and classification techniques in landslide hazard assessment	1					
		2					
		3					
		4		O (4)			
		5		P (XY603)			
GM8.5/NH3.14	Rockfall I&II: Detachment, trajectory modelling, deposition and mitigation strategies	1					
		2					
		3				O (22)	
		4					P (XL91)
		5					
HS13.13/NH3.16	Hydrological processes in landslide research: analysis and quantification	1					
		2					
		3			O (34)		
		4					
		5			P (A328)		

Session	Title	TB	Mo	Tu	We	Th	Fr
NH4 – Earthquake Hazards							
SM1.0/G25/GD2.17/ GM1.5/GMPV37/NH4.0/ NH5.3/SSP1.9/TS8.4	Large Magnitude Earthquakes and Tsunami Activity in 2010: Views on The Haiti and Chile Events	1	O (D)				
		2	O (D)				
		3					
		4					
		5					
NH4.1/SM4.3	Earthquake Risk and Loss Estimates: New Directions	1					
		2					
		3					
		4					
		5				P (XY551)	
NH4.2/SM4.4	Seismic hazard evaluation, precursory phenomena and reliability of prediction	1				O (3)	
		2				O (3)	
		3					
		4					
		5				P (XY563)	
NH4.3/SM6.3	Seismo electro-magnetic phenomena and earthquakes precursors	1					O (3)
		2					O (3)
		3					O (3)
		4					P (XY384)
		5					
NH4.4/SM6.4	Deformation processes and accompanying mechanical and electromagnetic phenomena, for rocks and other materials, from the laboratory to the geophysical scale	1					
		2					
		3					
		4				O (1)	
		5				P (XY585)	
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)		
TS8.5/G19/GD2.10/ GMPV43/NH4.6/SM6.6	Crustal faulting and deformation processes observed by interferometric synthetic aperture radar (InSAR)	1				O (32)	
		2				O (32)	
		3					
		4					
		5				P (A510)	
TS2.2/NH4.7/SM2.1	Mechanics, structure and evolution of fault zones	1	O (30)				
		2	O (30)				
		3	O (30)				
		4	O (30)				
		5	P (A485)				
SM2.4/NH4.8/TS8.9	Earthquake Source Rupture Models, Slip Distribution Studies, and Nucleation and Growth of Fault Systems	1					
		2					
		3	O (27)				
		4	O (27)				
		5		P (Z125)			
SM4.2/NH4.9	Time-dependent earthquake processes and seismic hazard: physics and statistics	1		O (28)			
		2		O (28)			
		3					
		4					
		5		P (Z140)			
SM4.1/NH4.11	Earthquake and Tsunami Early Warnings	1					
		2					
		3					
		4				O (27)	
		5				P (XL296)	
GD5.2/G23/NH4.12/ SM3.5/TS6.10	Subduction zone dynamics: seismogenic zone and forearc deformation	1					
		2					
		3					O (31)
		4					O (31)
		5				P (A21)	
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)	
TS6.8/GD5.6/NH4.14/ SM3.6	Caribbean and South American subduction zones: subduction processes and resulting tectonics, seismogenesis and fore-arc evolution	1					
		2					
		3				O (32)	
		4				O (32)	
		5				P (A483)	

Session	Title	TB	Mo	Tu	We	Th	Fr
NH5 – Sea and Ocean Hazards							
NH5.1	Tsunamis of different origins: new developments in modeling hazard, vulnerability and risk (including Plinius Medal Lecture)	1					O (10)
		2				O (10)	O (10)
		3				O (10)	O (10)
		4				O (10)	P (XY410)
		5				P (XY597)	
NH5.2	Extreme Sea Waves	1			O (10)	O (10)	
		2			O (10)		
		3			O (10)		
		4			O (10)		
		5			P (XY524)		
SM1.0/G25/GD2.17/ GM1.5/GMPV37/NH4.0/ NH5.3/SSP1.9/TS8.4	Large Magnitude Earthquakes and Tsunami Activity in 2010: Views on The Haiti and Chile Events	1	O (D)				
		2	O (D)				
		3					
		4					
		5					
NH6 – Snow Avalanches and Glacial Hazards							
CR8.2/NH6.1	Glacial Lake Outburst Floods: Current issues - future concerns	1					
		2					
		3					
		4					O (5)
		5				P (XY442)	
NH6.3	Snow cover and avalanches	1					
		2					P (XY447)
		3				O (3)	
		4				O (3)	
		5					
NH7 – Wildfire Hazards							
NH7.1/AS4.2/CL2.10	Wildfires, Weather and Climate	1	O (4)				
		2					
		3					
		4					
		5	P (XY610)				
NH7.2/ESSI19/SSS49	Spatial and temporal patterns of wildfires: models, theory, and reality	1		O (10)			
		2		O (10)			
		3					
		4					
		5		P (XY614)			
NH7.3/AS3.20/BG2.18/ CL4.17	Fire in the Earth System: Impacts and Feedbacks	1					
		2	O (4)				
		3	O (4)				
		4					
		5	P (XY627)				
NH8 – Environmental and other Hazards (Heavy Metals, Karst, Radon, Space Weather)							
NH8.1/BG1.4/SSS42	Heavy-metal contamination of water, air, soil, and foodcrops	1					
		2					
		3					P (XY470)
		4					P (XY489)
		5					
NH8.2/GM8.8	Geomorphology and Hazards in Karst Areas	1	O (10)				
		2	O (10)				
		3					
		4					
		5	P (XY644)				
NH8.3	Radon health and natural hazards.	1					
		2					
		3					
		4		O (5)			
		5		P (XY638)			
ERE2.2/NH8.4	CO2 migration from analogue and technical reservoirs with latest updates from CO2 storage pilots	1					
		2					O (6)
		3					
		4					P (XL17)
		5					
ST5/NH8.5	Space Weather and its Effects on Terrestrial and Geo-Space Environments: Science and Applications	1					
		2					
		3				O (27)	
		4					
		5				P (XL350)	
NH9 – Natural Hazards and Society (Risk, Vulnerability, Reinsurance, Education, Communications, etc.)							
NH9.1/EG3	Developing Future Approaches to Climate and Geo-hazard Risk Assessment: Relating Disaster Risk Reduction and Risk Transfer	1					
		2				O (4)	
		3				O (4)	
		4				O (4)	
		5				P (XY619)	
NH9.2	Vulnerability in Natural Hazard and Risk Analysis	1					
		2					
		3	O (3)				
		4					
		5	P (XY668)				

Session	Title	TB	Mo	Tu	We	Th	Fr
NH9.3/EOS6	Natural Hazards Education and Communications to Students, Government Officials, and the Public	1					
		2					P (XY512)
		3					
		4					
		5					
NH9.4	Natural Hazards and Technological Disasters	1					
		2				O (1)	
		3					
		4					
		5				P (XY645)	
NH9.5	Social Sciences in Natural Hazards Research: Interdisciplinary Research Approaches	1					
		2					
		3		O (10)			
		4					
		5		P (XY659)			
NH9.9	Reconstructing terrestrial and coastal hazards from geological archives: mechanisms, processes, and predictability	1					
		2					
		3					P (XY534)
		4					O (2)
		5					
NH9.10	Warning systems for natural and man-made hazards	1			O (3)		
		2			O (3)		
		3					
		4					
		5			P (XY563)		
NH9.11/CL4.12	Mountain Risks and integrated multi-risk analysis: predictions, management and governance - in context of climate and societal change	1					
		2					O (4)
		3					P (XY543)
		4					
		5					
NH9.12	The impact of hazards on urban areas and landscape	1					
		2					
		3					
		4		O (10)			
		5		P (XY664)			
NH9.13	Natural Hazard Resilient Cities	1					
		2					
		3					P (XY562)
		4					O (3)
		5					
NH9.14	Environmental hazards and Ancient Societies: Lessons from the Past?	1					
		2					
		3				O (1)	
		4					
		5				P (XY660)	
NH10 – Multihazards (sessions bringing together > 1 hazard; not covered in other sessions)							
NH10.2	Innovative techniques for evaluating, mapping, and decreasing the risk posed by dangerous phenomena: from modelling to monitoring, to knowledge dissemination	1					
		2					
		3	O (10)				
		4	O (10)				
		5	P (XY678)				
NH10.3	Georisks connected with large dam projects	1					
		2					
		3					P (XY571)
		4					
		5					
MPRG13/GMPV54/ NH10.6	Rock Physics and Natural Hazards	1					
		2					
		3					
		4		O (42)			
		5		P (A391)			
NH11 – Short Courses							
SC3/NH11.1	An Introduction to Time-Series Analysis for the Investigation of Natural Hazards	1					
		2					
		3					
		4					
		5			O (3)		

Session	Title	TB	Mo	Tu	We	Th	Fr
NH12 – Co-listed sessions							
ST3.5	Ionospheric threats to GNSS based systems in view of the next solar maximum	1					O (13)
		2					
		3					
		4					P (Z117)
		5					
GM8.1	Geomorphic Processes in coupled hillslope-channel systems	1					
		2					
		3					O (21)
		4					P (XL49)
		5					
GM8.4	Hillslope processes in space and time	1					
		2					
		3					
		4				O (22)	P (XL72)
		5					
GM8.3	The geomorphic significance of mass wasting processes	1					
		2					
		3					
		4					P (XL61)
		5					
GM4.1	Geomorphic response to environmental change	1		O (21)			
		2		O (21)			
		3		O (21)			
		4					
		5		P (XL60)			
GM10.3	Dynamics of rocky coastlines	1					
		2					
		3					
		4			O (21)		
		5			P (XL131)		
SSP3.3	Sedimentary processes and diagnostic features of high energy event deposits - storm, hurricane, tsunami (co-sponsored by IAS)	1					
		2					
		3			O (41)		
		4					
		5			P (A415)		
SSS20	Postfire hydrology and erosion processes: linking impacts across spatial and temporal scales	1					
		2				O (8)	
		3					
		4					
		5				P (Z224)	