

EGU 2010 – Geochemistry, Mineralogy, Petrology & Volcanology (GMPV)

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 20

Session	Title	TB	Mo	Tu	We	Th	Fr
ML14	Robert Wilhelm Bunsen Medal Lecture by Mark S. Ghiorso	1					
		2					
		3					
		4				O (20)	
		5					
ML17	Louis Néel Medal Lecture by Teng-fong Wong	1					
		2					
		3					
		4					
		5					
ML18	Petrus Peregrinus Medal Lecture by Jean Pierre Valet	1					
		2					
		3					
		4					
		5					
GMPV1	Formation, evolution and properties of Melts and Magmas: from lab to Nature	1		O (20)			
		2		O (20)			
		3					
		4					
		5		P (XL103)			
GMPV2	Magma generation and differentiation: Field, analytical, experimental and numerical investigation of magmatic and volcanic systems	1					
		2					
		3		O (20)			
		4		O (20)			
		5		P (XL132)			
GMPV4	Complex processes in magmatic and volcanic systems. 1: field and laboratory analysis of volcanic products	1				O (20)	
		2				O (20)	
		3					
		4					
		5				P (XL114)	
GMPV5	Complex processes in magmatic and volcanic systems. 2: experiments, theory, and modelling (including Robert Wilhelm Bunsen Medal Lecture)	1					
		2					
		3				O (20)	
		4				O (20)	
		5				P (XL139)	
GMPV6	Monitoring and observations of active volcanoes using in-situ and remote sensing techniques	1	O (20)				
		2	O (20)				
		3	O (20)				
		4					
		5	P (XL46)				
GMPV7	Volcanic ash: an agent in Earth systems	1					
		2					
		3					
		4	O (20)				
		5	P (XL78)				
GMPV8	Calderas in UNREST state. Geophysical, volcanological and geochemical aspects of the renewal of their dynamics	1					O (20)
		2					O (20)
		3					
		4					
		5				P (XL155)	
GMPV9/TS3.5	Volcano deformation, dynamics, and deep structure	1			O (20)		
		2			O (20)		
		3			O (20)		
		4					
		5			P (XL142)		
GMPV10/NH2.5	Understanding and forecasting of volcanic hazards and risks: paradigms and progress	1					
		2					
		3					
		4			O (20)		
		5			P (XL184)		
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
GMPV12	Glaciovolcanism as a climate proxy: progress and problems	1					
		2					
		3					
		4					
		5	P (XL86)				
GMPV13/GD2.13/SSP4.8	Large Igneous Provinces and Extinctions	1					P (XL133)
		2					O (20)
		3					O (20)
		4					
		5					
GMPV14	Volcanic and non-volcanic degassing of volatiles: Sources, mechanisms, applications and atmospheric impact	1					
		2					
		3					
		4					
		5		P (XL160)			
CL4.11/AS4.13/GMPV15	Volcanic Activity and the Earth System	1					
		2					
		3					
		4	O (17)				
		5	P (XY423)				
GMPV16/GD5.9	Subduction zone devolatilization: petrology, fluid composition and flow, and tectonic implications	1					
		2					
		3			O (25)		
		4			O (25)		
		5			P (XL192)		
GD5.1/GMPV18/TS6.9	Subduction zone dynamics: A slab's journey in the upper and lower mantle	1					O (31)
		2					O (31)
		3					
		4					
		5				P (A1)	
GMPV19/GD2.14	Interplay of Magmatism, Metamorphism, and Geodynamics: A symposium in memory of Leonid L. Perchuk	1		O (25)			
		2		O (25)			
		3					
		4					
		5		P (XL170)			
GMPV21/GD2.12	Granitoid Magmatism and Geodynamics	1					
		2					
		3	O (25)				
		4	O (25)				
		5	P (XL96)				
GMPV23/GD2.16	Nature and evolution of the lithospheric mantle - inferences on magma genesis	1					
		2					
		3				O (25)	
		4					
		5				P (XL169)	
GMPV24	Evolution of the subcontinental lithospheric mantle: a petrological and geochemical perspective	1				O (25)	
		2				O (25)	
		3					
		4					
		5				P (XL188)	
GMPV25/GD1.8	New insights into the mineralogy and petrology of the Deep Earth (co-sponsored by EMU)	1			O (25)		
		2			O (25)		
		3					
		4					
		5			P (XL213)		
GMPV28	Mineral formation and metasomatic transformation of minerals and rocks - reaction mechanisms and kinetics	1					
		2					
		3		O (25)			
		4					
		5		P (XL199)			
GMPV30	Open poster session	1					
		2					
		3					
		4					
		5		P (XL219)			
GMPV32	Structures and properties of Earth Materials (co-sponsored by EMU)	1					
		2					
		3					
		4		O (25)			
		5		P (XL233)			
MPRG17/GD7.2/GMPV34/PS9.3	Diversity in planetary magnetism and dynamos	1					
		2					
		3		O (42)			
		4					
		5		P (A404)			
GMPV36	Diamond genesis: Insights from natural samples and experiments	1					
		2					
		3		O (22)			
		4		O (22)			
		5		P (XL245)			

Session	Title	TB	Mo	Tu	We	Th	Fr
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					
GMPV38	Geochemistry of hydrothermal systems	1					
		2					
		3	O (22)				
		4	O (22)				
		5	P (XL125)				
GMPV39/GM4.4/SSS43	Chemistry and physics of the Earth's surface system: from reactive transport to monitoring of the 'critical zone'	1					
		2					P (XL163)
		3					
		4				O (25)	
		5					
TS5.1/GD4.5/GMPV41	Continental rifting: mechanisms of deformation, sedimentation, and magmatism	1					O (30)
		2					O (30)
		3					P (A397)
		4					
		5					
PS9.0/GMPV42/TS3.3	Volcanism, Tectonics and Faulting in the Solar System	1					
		2					
		3					
		4	O (26)				
		5	P (XL259)				
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)	
G10/CL1.23/GD2.7/ GMPV45	Glacial Isostatic Adjustment: Observations and Modeling for Earth Rheology, Dynamics, and Environmental Change	1				O (7)	
		2					
		3					
		4					
		5				P (XY517)	
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)		
GD6.5/GMPV47/SM6.11	The mantle from surface to core: integrating seismology, mineral physics, geodynamics and petrology	1				O (31)	
		2				O (31)	P (A14)
		3					
		4					
		5					
GD4.1/GMPV52	Two-phase dynamics of mid-ocean ridges and other systems: theory and observation	1					
		2					
		3		O (31)			
		4					
		5		P (A77)			
GD6.6/GMPV53/ MPRG20/PS9.2/SM6.12	The deep mantle, plumes, and chemical heterogeneity: structure, dynamics, and evolution	1					
		2					
		3				O (31)	P (A30)
		4				O (31)	
		5					
MPRG13/GMPV54/ NH10.6	Rock Physics and Natural Hazards	1					
		2					
		3					
		4		O (42)			
		5		P (A391)			
TS6.5/GD5.10/GMPV55	Ophiolites, blueschists and mélanges in convergent margin tectonics	1	O (32)				
		2	O (32)				
		3					
		4					
		5		P (A510)			
BG3.2/ERE4.2/GMPV56/ TS5.6	Fluid flow in continental margins	1				O (23)	
		2				O (23)	
		3					
		4					
		5				P (BG53)	
MPRG23/GMPV57/ SM6.14/TS3.4	Elastic and Inelastic Properties under in situ High P-T Conditions	1					
		2					
		3					
		4					
		5		P (A411)			
GM3.1	Quantifying erosion and weathering rates across spatial and temporal scales	1			O (22)		
		2			O (22)		
		3					
		4					
		5			P (XL30)		

Session	Title	TB	Mo	Tu	We	Th	Fr
GM4.3/SSS37	Erosion, land degradation and terrestrial carbon cycling	1	O (21)				
		2	O (21)				
		3					
		4					
		5	P (A59)				
TS3.1	Deformation processes: microstructures, textures, rheology and fluid migration	1			O (32)		
		2			O (32)		
		3			O (32)		
		4					
		5			P (A420)		
GD1.3/BG8.1/GMPV58/ MPRG24/SSP1.8	Early Earth: from deep dynamics to surface life	1					
		2					
		3					
		4		O (31)			
		5		P (A1)			