

GMPV – Geochemistry, Mineralogy, Petrology & Volcanology – Oral Sessions**Monday, 04 April**

MO1 , 08:30–10:00	GD1.1/BG8.3/GMPV44/TS1.3 , Early Earth: from deep dynamics to surface life (co-organized), Room 3, 08:30–10:00
	GD5.1/GMPV41/SM4.5/TS6.9 , Subduction zone dynamics from the surface to the lower mantle (co-organized), Room 30, 08:30–17:00
	GMPV1 , Magma generation and differentiation: Field, analytical, experimental and numerical investigation of magmatic and volcanic systems, Room 20, 08:30–17:00
	NH2.8/GMPV57 , Merapi volcano Central Java, Indonesia: dome collapses and centennial 2010 eruption (co-organized), Room 4, 08:30–12:00
MO2 , 10:30–12:00	GD5.1/GMPV41/SM4.5/TS6.9 , Subduction zone dynamics from the surface to the lower mantle (co-organized), Room 30, 08:30–17:00
	GMPV1 , Magma generation and differentiation: Field, analytical, experimental and numerical investigation of magmatic and volcanic systems, Room 20, 08:30–17:00
	NH2.8/GMPV57 , Merapi volcano Central Java, Indonesia: dome collapses and centennial 2010 eruption (co-organized), Room 4, 08:30–12:00
MO3 , 13:30–15:00	GD5.1/GMPV41/SM4.5/TS6.9 , Subduction zone dynamics from the surface to the lower mantle (co-organized), Room 30, 08:30–17:00
	GMPV1 , Magma generation and differentiation: Field, analytical, experimental and numerical investigation of magmatic and volcanic systems, Room 20, 08:30–17:00
	GMPV21/GD2.15 , Rock forming minerals: properties, information and constraints on petrological processes and numerical models (sponsored by EMU) (co-organized), Room 31, 13:30–17:00
	NH2.3/AS4.29/GMPV47 , The 2010 flank and summit eruptions at Eyjafjallajökull volcano (Iceland): History of an eruption from source to the atmosphere (co-organized), Room 4, 13:30–17:00
MO4 , 15:30–17:00	GD5.1/GMPV41/SM4.5/TS6.9 , Subduction zone dynamics from the surface to the lower mantle (co-organized), Room 30, 08:30–17:00
	GMPV1 , Magma generation and differentiation: Field, analytical, experimental and numerical investigation of magmatic and volcanic systems, Room 20, 08:30–17:00
	GMPV21/GD2.15 , Rock forming minerals: properties, information and constraints on petrological processes and numerical models (sponsored by EMU) (co-organized), Room 31, 13:30–17:00
	IG4/GMPV37 , Isotopic analytical methods, experimental approach, and ⁴⁰ Ar/ ³⁹ Ar dating in geosciences (co-organized), Room 41, 15:30–17:00
	NH2.3/AS4.29/GMPV47 , The 2010 flank and summit eruptions at Eyjafjallajökull volcano (Iceland): History of an eruption from source to the atmosphere (co-organized), Room 4, 13:30–17:00

Tuesday, 05 April

TU1 , 08:30–10:00	GD4.2/TS5.7 , Evolution of the North and South Atlantic, adjacent continents, and passive continental margins in general (co-listed), Room 30, 08:30–15:00
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	GMPV2/IG20 , Magmas, Melts, and Magma Mixing: from lab to nature (including 2010 Robert Wilhelm Bunsen Medal Lecture) (co-organized), Room 20, 08:30–15:00
	GMPV22/TS1.5 , Geology of the North-Atlantic Craton (co-organized), Room 31, 08:30–10:00
	NH2.3/AS4.29/GMPV47 , The 2010 flank and summit eruptions at Eyjafjallajökull volcano (Iceland): History of an eruption from source to the atmosphere (co-organized), Room 4, 13:30–17:00
TU2, 10:30–12:00	GD4.2/TS5.7 , Evolution of the North and South Atlantic, adjacent continents, and passive continental margins in general (co-listed), Room 30, 08:30–15:00
	GMPV2/IG20 , Magmas, Melts, and Magma Mixing: from lab to nature (including 2010 Robert Wilhelm Bunsen Medal Lecture) (co-organized), Room 20, 08:30–15:00
	GMPV23/TS3.2 , Nanoscale Processes in Geological Materials (co-sponsored by EMU) (co-organized), Room 31, 10:30–12:00
	NH2.1/GMPV36 , Understanding and quantifying hazards related to volcanic activity (including Plinius Medal Lecture) (co-organized), Room 4, 10:30–17:00
	TS6.3/GD5.5/GMPV34/SM4.4 , The subduction interface: cross-disciplinary views from Geodynamics-Geochemistry-Seismology (co-organized), Room 26, 10:30–17:00
TU3, 13:30–15:00	GD4.2/TS5.7 , Evolution of the North and South Atlantic, adjacent continents, and passive continental margins in general (co-listed), Room 30, 08:30–15:00
	GMPV2/IG20 , Magmas, Melts, and Magma Mixing: from lab to nature (including 2010 Robert Wilhelm Bunsen Medal Lecture) (co-organized), Room 20, 08:30–15:00
	GMPV11 , New methods and concepts in volcanic geomorphology, Room 31, 13:30–15:00
	NH2.1/GMPV36 , Understanding and quantifying hazards related to volcanic activity (including Plinius Medal Lecture) (co-organized), Room 4, 10:30–17:00
	TS6.3/GD5.5/GMPV34/SM4.4 , The subduction interface: cross-disciplinary views from Geodynamics-Geochemistry-Seismology (co-organized), Room 26, 10:30–17:00
TU4, 15:30–17:00	GMPV6 , Fluids in the continental crust and in volcanic and hydrothermal systems, Room 20, 15:30–17:00
	NH2.1/GMPV36 , Understanding and quantifying hazards related to volcanic activity (including Plinius Medal Lecture) (co-organized), Room 4, 10:30–17:00
	TS6.3/GD5.5/GMPV34/SM4.4 , The subduction interface: cross-disciplinary views from Geodynamics-Geochemistry-Seismology (co-organized), Room 26, 10:30–17:00
Wednesday, 06 April	
WE1, 08:30–10:00	GMPV12/NH2.4 , Measuring and modelling of volcano eruption dynamics (including 2011 Robert Wilhelm Bunsen Medal Lecture) (co-organized), Room 20, 08:30–17:00
	IG5/BG1.11/CL4.13/GMPV40/SSP4.5 , Stable isotopes as tool in (paleo-)climate studies (co-organized), Room 41, 08:30–12:00

	SC7/GMPV58 , Short Course on Technologies for Remediation of Recalcitrant Compounds: ISCO, ISCR and Bioremediation (co-organized), Room 25, 08:30–12:00
	TS5.1/GD4.4/GMPV35/SM2.9 , Continental rifting & mid-ocean ridges : the role and mechanisms of tectonics, mantle dynamics, sedimentation and magmatism (co-organized), Room 27, 08:30–12:00
WE2 , 10:30–12:00	EMRP11/GMPV30/NH10.5/TS2.8 , Rock Physics and Natural Hazards (co-organized), Room 42, 10:30–12:00
	GM4.2/GMPV52/HS12.2/SSS2.15 , Erosion and Terrestrial Carbon Cycling (co-organized), Room 21, 10:30–12:00
	GMPV12/NH2.4 , Measuring and modelling of volcano eruption dynamics (including 2011 Robert Wilhelm Bunsen Medal Lecture) (co-organized), Room 20, 08:30–17:00
	IG5/BG1.11/CL4.13/GMPV40/SSP4.5 , Stable isotopes as tool in (paleo-)climate studies (co-organized), Room 41, 08:30–12:00
	SC7/GMPV58 , Short Course on Technologies for Remediation of Recalcitrant Compounds: ISCO, ISCR and Bioremediation (co-organized), Room 25, 08:30–12:00
	SM4.2/GD2.11/GMPV49/TS10.6 , Thermal, chemical, and rheological boundary layers: How do they relate to each other? (co-organized), Room 26, 10:30–12:00
	TS5.1/GD4.4/GMPV35/SM2.9 , Continental rifting & mid-ocean ridges : the role and mechanisms of tectonics, mantle dynamics, sedimentation and magmatism (co-organized), Room 27, 08:30–12:00
WE3 , 13:30–15:00	G3.1/GD2.6/GMPV29 , Glacial Isostatic Adjustment on regional scales: Modeling and observations (co-organized), Room 17, 13:30–15:00
	GMPV12/NH2.4 , Measuring and modelling of volcano eruption dynamics (including 2011 Robert Wilhelm Bunsen Medal Lecture) (co-organized), Room 20, 08:30–17:00
WE4 , 15:30–17:00	GMPV12/NH2.4 , Measuring and modelling of volcano eruption dynamics (including 2011 Robert Wilhelm Bunsen Medal Lecture) (co-organized), Room 20, 08:30–17:00
Thursday, 07 April	
TH1 , 08:30–10:00	GD6.1/GMPV55/SM1.12/TS4.6 , Whole mantle dynamics: Linking surface and deep processes (co-organized), Room 22, 08:30–12:00
	GMPV4 , Signals from subsurface mass transport beneath volcanoes, Room 20, 08:30–10:00
TH2 , 10:30–12:00	GD6.1/GMPV55/SM1.12/TS4.6 , Whole mantle dynamics: Linking surface and deep processes (co-organized), Room 22, 08:30–12:00
	GMPV10/G3.11/NH2.7/TS1.8 , Volcano deformation, dynamics, and deep structure (co-organized), Room 20, 10:30–17:00
	PS10.0/GMPV28 , Volcanism and Tectonics in the Solar System (co-organized), Room 32, 10:30–12:15
	TS3.1 , Deformation and strain localization from micro- to lithospheric scales: patterns, processes, microstructures and the role of fluids in nature and experiment (co-listed), Room 27, 10:30–17:00
	TS6.2/GD5.9/GMPV46/SM1.6 , Geodynamics of the Westernmost Mediterranean and Northwest Africa (co-organized), Room 28, 10:30–12:00
TH3 , 13:30–15:00	GD5.3/TS6.11 , Tectonics of the Dinarides, Hellenides and Rhodopes (co-listed), Room 35, 13:30–15:00

	GD6.2/GMPV50/SM4.3 , Whole mantle and transition zone structure, dynamics and evolution: multidisciplinary perspectives (co-listed), Room 22, 13:30–17:00
	GI-11 , Geophysical tomography with high-energy particles: recent developments and applications (co-listed), Room 42, 13:30–15:00
	GMPV10/G3.11/NH2.7/TS1.8 , Volcano deformation, dynamics, and deep structure (co-organized), Room 20, 10:30–17:00
	TS3.1 , Deformation and strain localization from micro- to lithospheric scales: patterns, processes, microstructures and the role of fluids in nature and experiment (co-listed), Room 27, 10:30–17:00
	TS6.7/GD3.6/GMPV51 , Tectonic Evolution of the Gondwana Collision and the North African Tethyan Margin (co-organized), Room 28, 13:30–15:00
TH4, 15:30–17:00	GD6.2/GMPV50/SM4.3 , Whole mantle and transition zone structure, dynamics and evolution: multidisciplinary perspectives (co-listed), Room 22, 13:30–17:00
	GMPV10/G3.11/NH2.7/TS1.8 , Volcano deformation, dynamics, and deep structure (co-organized), Room 20, 10:30–17:00
	TS3.1 , Deformation and strain localization from micro- to lithospheric scales: patterns, processes, microstructures and the role of fluids in nature and experiment (co-listed), Room 27, 10:30–17:00
Friday, 08 April	
FR1, 08:30–10:00	ERE3.2/GD1.3/GMPV53 , Mineral systems: from geological, geochemical and geophysical data to metallogenic systems simulation (co-organized), Room 3, 08:30–12:00
	GD1.1/BG8.3/GMPV44/TS1.3 , Early Earth: from deep dynamics to surface life (co-organized), Room 22, 08:30–10:00
	GMPV5 , Monitoring and observations of active volcanoes using in-situ and remote sensing techniques, Room 20, 08:30–15:00
	IG6/GMPV38 , Forensic and Archaeological Provenancing with Light and Heavy Isoscapes (co-organized), Room 41, 08:30–10:00
	TS4.1/G3.4/GMPV27/SM2.10 , Crustal faulting and deformation processes observed by interferometric synthetic aperture radar (InSAR) (co-organized), Room 27, 08:30–12:00
FR2, 10:30–12:00	ERE3.2/GD1.3/GMPV53 , Mineral systems: from geological, geochemical and geophysical data to metallogenic systems simulation (co-organized), Room 3, 08:30–12:00
	GD1.1/BG8.3/GMPV44/TS1.3 , Early Earth: from deep dynamics to surface life (co-organized), Room 22, 08:30–10:00
	GMPV5 , Monitoring and observations of active volcanoes using in-situ and remote sensing techniques, Room 20, 08:30–15:00
	TS4.1/G3.4/GMPV27/SM2.10 , Crustal faulting and deformation processes observed by interferometric synthetic aperture radar (InSAR) (co-organized), Room 27, 08:30–12:00
FR3, 13:30–15:00	GD7.1/EMR12/GMPV18/SM4.6 , Structure, Composition and Dynamics of the Deep Earth (co-organized), Room 22, 13:30–17:00
	GMPV5 , Monitoring and observations of active volcanoes using in-situ and remote sensing techniques, Room 20, 08:30–15:00
	SSP1.7/GMPV56 , LIPs: teleconnections between geological processes and mass extinctions (co-organized), Room 41, 13:30–15:00
FR4, 15:30–17:00	ERE5.1/GMPV32/HS12.1/SSS2.9 , Coupled reactive transport: Codes, applications and trends (co-organized), Room 3, 15:30–17:00

GD7.1/EMR12/GMPV18/SM4.6, Structure, Composition and Dynamics of the Deep Earth (co-organized), Room 22, 13:30–17:00

GMPV8, Pollution and Geochemistry, Room 20, 15:30–17:00
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GMPV – Geochemistry, Mineralogy, Petrology & Volcanology – Poster Sessions**Monday, 04 April**

MO5, 17:30–19:00	GD4.2/TS5.7 , Evolution of the North and South Atlantic, adjacent continents, and passive continental margins in general (co-listed), Hall A, A18–A59
	GMPV1 , Magma generation and differentiation: Field, analytical, experimental and numerical investigation of magmatic and volcanic systems, Halls X/Y, XY253–XY283
	GMPV16 , Volcanology and archaeology: understanding the impact of volcanic eruptions on human settlements and activity throughout history and prehistory, Halls X/Y, XY284–XY296
	GMPV17 , Alteration, very-low grade metamorphism and late fluid and porosity evolution of volcanic rocks, Halls X/Y, XY297–XY311
	GMPV21/GD2.15 , Rock forming minerals: properties, information and constraints on petrological processes and numerical models (sponsored by EMU) (co-organized), Halls X/Y, XY312–XY346
	GMPV25 , Progress in crystal growth and dissolution (co-sponsored by EMU), Halls X/Y, XY347–XY359
	IG4/GMPV37 , Isotopic analytical methods, experimental approach, and ⁴⁰ Ar/ ³⁹ Ar dating in geosciences (co-organized), Hall A, A484–A498
	NH2.3/AS4.29/GMPV47 , The 2010 flank and summit eruptions at Eyjafjallajökull volcano (Iceland): History of an eruption from source to the atmosphere (co-organized), Halls X/Y, XY378–XY395
	NH2.8/GMPV57 , Merapi volcano Central Java, Indonesia: dome collapses and centennial 2010 eruption (co-organized), Halls X/Y, XY396–XY414

Tuesday, 05 April

TU4, 15:30–17:00	GD5.1/GMPV41/SM4.5/TS6.9 , Subduction zone dynamics from the surface to the lower mantle (co-organized), Hall A, A48–A70
TU5, 17:30–19:00	GD5.1/GMPV41/SM4.5/TS6.9 , Subduction zone dynamics from the surface to the lower mantle (co-organized), Hall A, A71–A91
	GMPV2/IG20 , Magmas, Melts, and Magma Mixing: from lab to nature (including 2010 Robert Wilhelm Bunsen Medal Lecture) (co-organized), Halls X/Y, XY392–XY408
	GMPV6 , Fluids in the continental crust and in volcanic and hydrothermal systems, Halls X/Y, XY409–XY421
	GMPV11 , New methods and concepts in volcanic geomorphology, Halls X/Y, XY423–XY434
	GMPV22/TS1.5 , Geology of the North-Atlantic Craton (co-organized), Halls X/Y, XY435–XY450
	GMPV23/TS3.2 , Nanoscale Processes in Geological Materials (co-sponsored by EMU) (co-organized), Halls X/Y, XY451–XY462
	NH2.1/GMPV36 , Understanding and quantifying hazards related to volcanic activity (including Plinius Medal Lecture) (co-organized), Halls X/Y, XY488–XY515
NH2.3/AS4.29/GMPV47 , The 2010 flank and summit eruptions at Eyjafjallajökull volcano (Iceland): History of an eruption from source to the atmosphere (co-organized), Halls X/Y, XY516–XY534	

	TS6.3/GD5.5/GMPV34/SM4.4 , The subduction interface: cross-disciplinary views from Geodynamics-Geochemistry-Seismology (co-organized), Hall XL, XL304–XL332
Wednesday, 06 April	
WE5 , 17:30–19:00	EMRP11/GMPV30/NH10.5/TS2.8 , Rock Physics and Natural Hazards (co-organized), Hall A, A32–A41
	G3.1/GD2.6/GMPV29 , Glacial Isostatic Adjustment on regional scales: Modeling and observations (co-organized), Halls X/Y, XY273–XY283
	GM4.2/GMPV52/HS12.2/SSS2.15 , Erosion and Terrestrial Carbon Cycling (co-organized), Hall A, A129–A143
	GMPV12/NH2.4 , Measuring and modelling of volcano eruption dynamics (including 2011 Robert Wilhelm Bunsen Medal Lecture) (co-organized), Hall A, A156–A177
	IG5/BG1.11/CL4.13/GMPV40/SSP4.5 , Stable isotopes as tool in (paleo-)climate studies (co-organized), Hall A, A446–A473
	SM4.2/GD2.11/GMPV49/TS10.6 , Thermal, chemical, and rheological boundary layers: How do they relate to each other? (co-organized), Halls X/Y, XY713–XY714
	TS5.1/GD4.4/GMPV35/SM2.9 , Continental rifting & mid-ocean ridges : the role and mechanisms of tectonics, mantle dynamics, sedimentation and magmatism (co-organized), Hall XL, XL248–XL272
Thursday, 07 April	
TH5 , 17:30–19:00	GD1.1/BG8.3/GMPV44/TS1.3 , Early Earth: from deep dynamics to surface life (co-organized), Hall A, A40–A48
	GD5.3/TS6.11 , Tectonics of the Dinarides, Hellenides and Rhodopes (co-listed), Hall A, A60–A68
	GD7.1/EMR12/GMPV18/SM4.6 , Structure, Composition and Dynamics of the Deep Earth (co-organized), Hall A, A69–A77
	GI-11 , Geophysical tomography with high-energy particles: recent developments and applications (co-listed), Hall A, A103–A109
	GMPV4 , Signals from subsurface mass transport beneath volcanoes, Hall A, A160–A179
	GMPV5 , Monitoring and observations of active volcanoes using in-situ and remote sensing techniques, Hall A, A180–A207
	GMPV10/G3.11/NH2.7/TS1.8 , Volcano deformation, dynamics, and deep structure (co-organized), Hall A, A208–A232
	PS10.0/GMPV28 , Volcanism and Tectonics in the Solar System (co-organized), Hall Z, Z114–Z124
	SSP1.7/GMPV56 , LIPs: teleconnections between geological processes and mass extinctions (co-organized), Hall A, A477–A478
	TS3.1 , Deformation and strain localization from micro- to lithospheric scales: patterns, processes, microstructures and the role of fluids in nature and experiment (co-listed), Hall XL, XL279–XL310
	TS4.1/G3.4/GMPV27/SM2.10 , Crustal faulting and deformation processes observed by interferometric synthetic aperture radar (InSAR) (co-organized), Hall XL, XL311–XL334
	TS6.2/GD5.9/GMPV46/SM1.6 , Geodynamics of the Westernmost Mediterranean and Northwest Africa (co-organized), Hall XL, XL348–XL374
TS6.7/GD3.6/GMPV51 , Tectonic Evolution of the Gondwana Collision and the North African Tethyan Margin (co-organized), Hall XL, XL375–XL393	

Friday, 08 April

FR2 , 10:30–12:00	GD6.1/GMPV55/SM1.12/TS4.6 , Whole mantle dynamics: Linking surface and deep processes (co-organized), Hall A, A24–A37
	GD6.2/GMPV50/SM4.3 , Whole mantle and transition zone structure, dynamics and evolution: multidisciplinary perspectives (co-listed), Hall A, A38–A56
	IG6/GMPV38 , Forensic and Archaeological Provenancing with Light and Heavy Isoscapes (co-organized), Hall A, A397–A408
FR3 , 13:30–15:00	ERE5.1/GMPV32/HS12.1/SSS2.9 , Coupled reactive transport: Codes, applications and trends (co-organized), Hall XL, XL179–XL196
	GMPV8 , Pollution and Geochemistry, Hall A, A154–A171
FR4 , 15:30–17:00	ERE3.2/GD1.3/GMPV53 , Mineral systems: from geological, geochemical and geophysical data to metallogenic systems simulation (co-organized), Hall XL, XL138–XL162