

GD – Geodynamics (#EGU17GD) – Orals

Monday, 24 April	
MO1 , 08:30–10:00	GD3.1/EMRP4.41/GMPV6.6/PS9.3/SM10.12 , Dynamics of the mantle and core in the Earth and planetary bodies: from magma oceans to the present day (co-organized), 08:30–17:00, Room D1
	TS7.4/GD5.7/NH4.15 , Probing the subduction plate interface (co-organized), 08:30–12:00, Room D3
MO2 , 10:30–12:00	GD3.1/EMRP4.41/GMPV6.6/PS9.3/SM10.12 , Dynamics of the mantle and core in the Earth and planetary bodies: from magma oceans to the present day (co-organized), 08:30–17:00, Room D1
	G3.1/CL5.14/CR6.10/GD3.4/GM10.6/NH8.3/OS1.17 , How much does glacial isostatic adjustment contribute to earth system modelling? (co-organized), 10:30–12:00, Room 1.61
	TS7.4/GD5.7/NH4.15 , Probing the subduction plate interface (co-organized), 08:30–12:00, Room D3
MOL , 12:15–13:15	UMI0 , Plenary, 12:15–13:15, Room E1
MO3 , 13:30–15:00	GD3.1/EMRP4.41/GMPV6.6/PS9.3/SM10.12 , Dynamics of the mantle and core in the Earth and planetary bodies: from magma oceans to the present day (co-organized), 08:30–17:00, Room D1
	SM2.2/EMRP4.13/GD5.8/NH4.13/TS5.7 , Understanding large subduction earthquakes by integrating geological and geophysical observations, laboratory results, and numerical modeling (co-organized), 13:30–17:00, Room 0.96
	SM7.2/GD8.9 , Computational Seismology: From forward to inverse modelling across the scales (co-organized), 13:30–17:00, Room M1
MO4 , 15:30–17:00	GD3.1/EMRP4.41/GMPV6.6/PS9.3/SM10.12 , Dynamics of the mantle and core in the Earth and planetary bodies: from magma oceans to the present day (co-organized), 08:30–17:00, Room D1
	GD6.1/CR6.6/SM6.10/SSP1.5/TS9.6 , The Arctic connection - geodynamic, geologic and oceanographic development of the Arctic (co-organized), 15:30–17:00, Room E1
	SM2.2/EMRP4.13/GD5.8/NH4.13/TS5.7 , Understanding large subduction earthquakes by integrating geological and geophysical observations, laboratory results, and numerical modeling (co-organized), 13:30–17:00, Room 0.96
	SM7.2/GD8.9 , Computational Seismology: From forward to inverse modelling across the scales (co-organized), 13:30–17:00, Room M1
Tuesday, 25 April	
TU1 , 08:30–10:00	GD6.2/CL1.32/CR5.6/EMRP4.29/SM10.6/TS9.7 , Unveiling the structure, evolution and influence of the Antarctic Lithosphere (co-organized), 08:30–10:00, Room L7
TU2 , 10:30–12:00	GD8.2/CR6.5/SM10.3 , The Earth's thermal state and heat budget of crustal metamorphism (co-organized), 10:30–12:00, Room L7
TUL , 12:15–13:15	DM9/GD , Division meeting for Geodynamics (GD) (co-organized), 12:15–13:15, Room 1.61
TU3 , 13:30–15:00	GD5.3 , Mantle dynamics, rifting and post-breakup evolution of passive continental margins: Geological and geophysical observations and models with emphasis on the Atlantic Ocean (co-organized), 13:30–15:00, Room 1.61

TU4 , 15:30–17:00	GD2.3/SM6.8 , Lithosphere-asthenosphere interplay, deformation and dynamics (co-organized), 15:30–17:00, Room M2
	SM4.6/GD2.6/GMPV6.5/TS9.5 , Advances in mapping the structure of cratons, craton margins, and craton boundaries (co-organized), 15:30–17:00, Room 1.61
Wednesday, 26 April	
WE1 , 08:30–10:00	GMPV5.1/G6.4/GD3.5/GI1.11/NH2.8/SM5.10 , Volcano monitoring with instrument networks (co-organized), 08:30–17:00, Room D1
	TS7.3/GD5.6/GMPV2.11 , Initiation of subduction zones in context of the Wilson cycle. Including the Arne Richter Award lecture by João Duarte. Co-organised with GSA-SGT and AGU-Tectonophysics (co-organized), 08:30–10:00, Room D3
	EMRP1.4/GD7.6/NH3.17/SM6.3 , Rock physics and geomechanical characterisation of rocks from micro to macroscale: the role of anisotropy and hydro-mechanical coupling (co-organized), 08:30–12:00, Room 0.31
	G4.1/EMRP4.1/GD8.7/NH3.14/TS8.9 , Acquisition and processing of gravity and magnetic field data and their integrative interpretation (co-organized), 08:30–12:00, Room 1.61
WE2 , 10:30–12:00	GMPV5.1/G6.4/GD3.5/GI1.11/NH2.8/SM5.10 , Volcano monitoring with instrument networks (co-organized), 08:30–17:00, Room D1
	TS7.1/GD6.7/SM6.4 , Dynamics and Structures of the Mediterranean Collisions and Back-arcs (co-organized), 10:30–17:00, Room D3
	EMRP1.4/GD7.6/NH3.17/SM6.3 , Rock physics and geomechanical characterisation of rocks from micro to macroscale: the role of anisotropy and hydro-mechanical coupling (co-organized), 08:30–12:00, Room 0.31
	G4.1/EMRP4.1/GD8.7/NH3.14/TS8.9 , Acquisition and processing of gravity and magnetic field data and their integrative interpretation (co-organized), 08:30–12:00, Room 1.61
WE3 , 13:30–15:00	GD5.1/EMRP4.7/GMPV2.10 , Subduction dynamics from surface to deep mantle (co-organized), 13:30–17:00, Room K1
	GMPV5.1/G6.4/GD3.5/GI1.11/NH2.8/SM5.10 , Volcano monitoring with instrument networks (co-organized), 08:30–17:00, Room D1
	TS7.1/GD6.7/SM6.4 , Dynamics and Structures of the Mediterranean Collisions and Back-arcs (co-organized), 10:30–17:00, Room D3
WE4 , 15:30–17:00	GD5.1/EMRP4.7/GMPV2.10 , Subduction dynamics from surface to deep mantle (co-organized), 13:30–17:00, Room K1
	GMPV5.1/G6.4/GD3.5/GI1.11/NH2.8/SM5.10 , Volcano monitoring with instrument networks (co-organized), 08:30–17:00, Room D1
	TS7.1/GD6.7/SM6.4 , Dynamics and Structures of the Mediterranean Collisions and Back-arcs (co-organized), 10:30–17:00, Room D3
Thursday, 27 April	
TH1 , 08:30–10:00	GD7.2/EMRP4.9/SM10.2 , Anisotropy from crust to core: Observations, models and implications (co-organized), 08:30–12:00, Room K1
TH2 , 10:30–12:00	GD7.2/EMRP4.9/SM10.2 , Anisotropy from crust to core: Observations, models and implications (co-organized), 08:30–12:00, Room K1
	GMPV2.7/BG9.63/GD5.10 , Reactive Geological Systems from the Mantle to the Abyssal sub-seafloor (co-organized), 10:30–12:00, Room M1
	G3.4/GD8.8/SM6.11 , Monitoring and modelling of geodynamics and crustal deformation: progress during 36 years of the WEGENER initiative (co-organized), 10:30–12:00, Room 1.61

TH3 , 13:30–15:00	GD2.1/GMPV6.2/SM10.4 , Geodynamics of continental crust and upper mantle, and the nature of mantle discontinuities (including Augustus Love Medal Lecture) (co-organized), 13:30–17:00, Room K1
	ML9/GD , Augustus Love Medal Lecture by Barry E. Parsons (co-organized), 13:30–14:30, Room K1
	GMPV2.8/GD2.7 , Evolution of the lithospheric mantle: a petrological and geochemical perspective from the mantle xenoliths and orogenic peridotites (co-organized), 13:30–17:00, Room 1.61
TH4 , 15:30–17:00	GD2.1/GMPV6.2/SM10.4 , Geodynamics of continental crust and upper mantle, and the nature of mantle discontinuities (including Augustus Love Medal Lecture) (co-organized), 13:30–17:00, Room K1
	GMPV2.8/GD2.7 , Evolution of the lithospheric mantle: a petrological and geochemical perspective from the mantle xenoliths and orogenic peridotites (co-organized), 13:30–17:00, Room 1.61
Friday, 28 April	
FR1 , 08:30–10:00	GD3.2/EMRP4.24/SM10.1 , Understanding Earth's mantle with links to geological cycles (co-organized), 08:30–15:30, Room K1
	TS6.1/GD5.4 , The evolution and architecture of rifts, rifted passive margins, and mid oceanic ridges: from mantle dynamics to surface processes (co-organized), 08:30–17:00, Room D3
	GMPV2.4/GD7.7 , Geochemical and geochronological records of petrogenesis and deformation (sponsored by European Association of Geochemistry) (co-organized), 08:30–12:00, Room D1
FR2 , 10:30–12:00	GD3.2/EMRP4.24/SM10.1 , Understanding Earth's mantle with links to geological cycles (co-organized), 08:30–15:30, Room K1
	TS6.1/GD5.4 , The evolution and architecture of rifts, rifted passive margins, and mid oceanic ridges: from mantle dynamics to surface processes (co-organized), 08:30–17:00, Room D3
	GMPV2.4/GD7.7 , Geochemical and geochronological records of petrogenesis and deformation (sponsored by European Association of Geochemistry) (co-organized), 08:30–12:00, Room D1
FR3 , 13:30–15:00	GD3.2/EMRP4.24/SM10.1 , Understanding Earth's mantle with links to geological cycles (co-organized), 08:30–15:30, Room K1
	ML37/GD , GD Division Outstanding ECS Award Lecture by Nicolas Flament (co-organized), 13:30–14:00, Room K1
	TS6.1/GD5.4 , The evolution and architecture of rifts, rifted passive margins, and mid oceanic ridges: from mantle dynamics to surface processes (co-organized), 08:30–17:00, Room D3
FR4 , 15:30–17:00	TS6.1/GD5.4 , The evolution and architecture of rifts, rifted passive margins, and mid oceanic ridges: from mantle dynamics to surface processes (co-organized), 08:30–17:00, Room D3

GD – Geodynamics (#EGU17GD) – PICOs

Monday, 24 April

MO3 , 13:30–15:00	GD2.5/GMPV2.9 , Geochemical and geodynamic perspectives on the origin and evolution of deep-seated mantle melts and their interaction with the continental lithosphere (co-organized), PICO spot 5a
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Tuesday, 25 April

TU2 , 10:30–12:00	TS8.3/GD8.5 , Analogue and numerical modelling of tectonic processes (co-organized), PICO spot 5a
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GD – Geodynamics (#EGU17GD) – Posters

Monday, 24 April

MO5, 17:30–19:00	GD3.1/EMRP4.41/GMPV6.6/PS9.3/SM10.12 , Dynamics of the mantle and core in the Earth and planetary bodies: from magma oceans to the present day (co-organized), Hall X2, X2.277–X2.297
	GD5.2/EMRP4.28/SM6.9 , Orogenesis and geodynamics related to the collision of macro- and micro-plates (co-organized), Hall X2, X2.298–X2.313
	GD6.1/CR6.6/SM6.10/SSP1.5/TS9.6 , The Arctic connection - geodynamic, geologic and oceanographic development of the Arctic (co-organized), Hall X2, X2.314–X2.329
	GD6.3/EMRP4.26/SM6.2 , Geodynamics of the Caucasian-Arabian Syntaxis and the East African Rift system (co-organized), Hall X2, X2.330–X2.345
	GD8.1/EMRP4.11/SM4.10 , Linking observations to theoretical predictions in geodynamics (co-organized), Hall X2, X2.346–X2.357
	G3.1/CL5.14/CR6.10/GD3.4/GM10.6/NH8.3/OS1.17 , How much does glacial isostatic adjustment contribute to earth system modelling? (co-organized), Hall X3, X3.125–X3.141
	TS7.4/GD5.7/NH4.15 , Probing the subduction plate interface (co-organized), Hall X2, X2.236–X2.263
	SM2.2/EMRP4.13/GD5.8/NH4.13/TS5.7 , Understanding large subduction earthquakes by integrating geological and geophysical observations, laboratory results, and numerical modeling (co-organized), Hall X3, X3.25–X3.47
	SM7.2/GD8.9 , Computational Seismology: From forward to inverse modelling across the scales (co-organized), Hall X3, X3.85–X3.100

Tuesday, 25 April

TU5, 17:30–19:00	GD2.3/SM6.8 , Lithosphere-asthenosphere interplay, deformation and dynamics (co-organized), Hall X2, X2.257–X2.271
	GD5.3 , Mantle dynamics, rifting and post-breakup evolution of passive continental margins: Geological and geophysical observations and models with emphasis on the Atlantic Ocean (co-organized), Hall X2, X2.272–X2.288
	GD6.2/CL1.32/CR5.6/EMRP4.29/SM10.6/TS9.7 , Unveiling the structure, evolution and influence of the Antarctic Lithosphere (co-organized), Hall X2, X2.289–X2.305
	GD6.5/TS6.6 , Geodynamics, kinematics, and tectonics of the Red Sea and the Gulf of Aden (co-sponsored by the Saudi Geological Survey) (co-organized), Hall X2, X2.306–X2.323
	GD8.2/CR6.5/SM10.3 , The Earth's thermal state and heat budget of crustal metamorphism (co-organized), Hall X2, X2.324–X2.343
	SM4.6/GD2.6/GMPV6.5/TS9.5 , Advances in mapping the structure of cratons, craton margins, and craton boundaries (co-organized), Hall X3, X3.58–X3.71

Wednesday, 26 April

WE5, 17:30–19:00	GD1.1/SM1.3 , Open session in Geodynamics (posters only) (co-organized), Hall X2, X2.355–X2.361
	GD5.1/EMRP4.7/GMPV2.10 , Subduction dynamics from surface to deep mantle (co-organized), Hall X2, X2.362–X2.381

	GD7.1/EMRP4.8/TS8.8 , Long-term rheological behavior of the crust and mantle inferred from observations and models at laboratory and geological time and spatial scales (EGU-AOGS session) (co-organized), Hall X2, X2.382–X2.392
	GD8.4/EMRP4.10/TS8.7 , Recent advances in Geodynamics: Computational methods and applications (co-organized), Hall X2, X2.393–X2.403
	GMPV5.1/G6.4/GD3.5/GI1.11/NH2.8/SM5.10 , Volcano monitoring with instrument networks (co-organized), Hall X2, X2.441–X2.480
	TS7.3/GD5.6/GMPV2.11 , Initiation of subduction zones in context of the Wilson cycle. Including the Arne Richter Award lecture by João Duarte. Co-organised with GSA-SGT and AGU-Tectonophysics (co-organized), Hall X2, X2.317–X2.327
	TS7.1/GD6.7/SM6.4 , Dynamics and Structures of the Mediterranean Collisions and Back-arcs (co-organized), Hall X2, X2.272–X2.316
	EMRP1.4/GD7.6/NH3.17/SM6.3 , Rock physics and geomechanical characterisation of rocks from micro to macroscale: the role of anisotropy and hydro-mechanical coupling (co-organized), Hall X2, X2.183–X2.200
	TS8.4/GD8.6/GM3.10 , Learning from failed models and negative results (Posters only) (co-organized), Hall X2, X2.328–X2.340
	G4.1/EMRP4.1/GD8.7/NH3.14/TS8.9 , Acquisition and processing of gravity and magnetic field data and their integrative interpretation (co-organized), Hall X3, X3.94–X3.115

Thursday, 27 April

TH5 , 17:30–19:00	GD2.1/GMPV6.2/SM10.4 , Geodynamics of continental crust and upper mantle, and the nature of mantle discontinuities (including Augustus Love Medal Lecture) (co-organized), Hall X2, X2.346–X2.358
	GD3.2/EMRP4.24/SM10.1 , Understanding Earth's mantle with links to geological cycles (co-organized), Hall X2, X2.359–X2.376
	GD7.2/EMRP4.9/SM10.2 , Anisotropy from crust to core: Observations, models and implications (co-organized), Hall X2, X2.377–X2.391
	GMPV2.8/GD2.7 , Evolution of the lithospheric mantle: a petrological and geochemical perspective from the mantle xenoliths and orogenic peridotites (co-organized), Hall X2, X2.425–X2.444
	GMPV2.7/BG9.63/GD5.10 , Reactive Geological Systems from the Mantle to the Abyssal sub-seafloor (co-organized), Hall X2, X2.410–X2.424
	G3.4/GD8.8/SM6.11 , Monitoring and modelling of geodynamics and crustal deformation: progress during 36 years of the WEGENER initiative (co-organized), Hall X3, X3.123–X3.139

Friday, 28 April

FR5 , 17:30–19:00	TS6.1/GD5.4 , The evolution and architecture of rifts, rifted passive margins, and mid oceanic ridges: from mantle dynamics to surface processes (co-organized), Hall X2, X2.255–X2.295
	GMPV2.4/GD7.7 , Geochemical and geochronological records of petrogenesis and deformation (sponsored by European Association of Geochemistry) (co-organized), Hall X2, X2.366–X2.408