GD – Geodynamics – Oral Sessions

| | Monday, 23 April |
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| MO1 , 08:30–10:00 | GD1.1/PS2.7, Planetary Geodynamics (co-organized), 08:30–10:00 in Room 30 |
| | GD2.3/GMPV6.8/SM3.6/TS9.8, Heat flow and thermal regime of the lithosphere: Deep and surface processes (co-organized), 08:30–10:00 in Room 22 |
| | GMPV2.1/GD2.7/SM4.2/TS1.4 , Geochemical, petrological and physical discontinuities in the lithospheric mantle: supporting evidence and hypotheses for their origin (co-organized), 08:30–10:00 in Room 27 |
| | TS5.1/GD4.3, Rifted margins and onshore analogues: mechanisms of deformation, sedimentation, and magmatism (co-organized), 08:30–12:00 in Room 12 |
| MO2, 10:30–12:00 | GD3.7/G3.2/TS9.9, Integrating geodetic and geological studies of active crustal deformation (co-organized), 10:30–12:00 in Room 30 |
| | GD8.1/TS9.6, Recent advances in computational geodynamics (co-organized), 10:30–12:00 in Room 22 |
| | TS5.1/GD4.3, Rifted margins and onshore analogues: mechanisms of deformation, sedimentation, and magmatism (co-organized), 08:30–12:00 in Room 12 |
| MO3 , 13:30–15:00 | GD2.2/GMPV6.5/SM3.7/TS3.8, Crustal Dynamics vs Anisotropy (co-organized), 13:30–15:00 in Room 30 |
| | TS9.1/GD8.5, Recent advances in analogue and numerical modeling of tectonic processes (co-organized), 13:30–17:00 in Room 12 |
| MO4 , 15:30–17:00 | GD4.1/GMPV6.16, Mid-ocean ridge processes and their consequences: melting and melt extraction from a heterogeneous mantle (co-organized), 15:30–17:15 in Room 30 |
| | PSD11.8, GD8.1/TS9.6 - Recent advances in computational geodynamics, 16:30–17:15 in Room 35 |
| | PSD11.10 , GD2.5/GMPV6.12/SM4.3/TS10.9 - The tale of Laurasia cratons: new geophysical and geochemical evidence from Europe, Siberia, Greenland, and North America, 15:30–16:15 in Room SM2 |
| | SM2.0/GD2.10/NH4.10/TS8.8, The 23 October 2011 Van Earthquake - Losses and Lessons (co-organized), 15:30–17:00 in Room 26 |
| | TS9.1/GD8.5, Recent advances in analogue and numerical modeling of tectonic processes (co-organized), 13:30–17:00 in Room 12 |
| | Tuesday, 24 April |
| TU1 , 08:30–10:00 | GD4.2/SM2.8/TS5.3, Evolution of the North and South Atlantic, adjacent continents, and passive continental margins, in general (co-organized), 08:30–12:00 in Room 30 |
| | SM2.1/GD1.3/NH4.9/TS8.5, Large Earthquake and Tsunami Activity (co-organized), 08:30–12:00 in Room 26 |
| | TS4.4/G6.1/GD3.8/GM3.3, TOPOEUROPE: Coupled deep earth - surface processes, and their role in shaping Europe's topography (co-organized), 08:30–12:00 in Room 12 |
| TU2 , 10:30–12:00 | GD4.2/SM2.8/TS5.3, Evolution of the North and South Atlantic, adjacent continents, and passive continental margins, in general (co-organized), 08:30–12:00 in Room 30 |

| GMPV1.2/GD5.3/TS6.6 , Subduction processes: geochemical inputs and outputs (co-sponsored by the European Association of Geochemistry (EAG)) (including AGU Kuno lecture) (co-organized), 10:30–12:00 in Room 20 |
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| SM2.1/GD1.3/NH4.9/TS8.5, Large Earthquake and Tsunami Activity (co-organized), 08:30–12:00 in Room 26 |
| TS4.4/G6.1/GD3.8/GM3.3, TOPOEUROPE: Coupled deep earth - surface processes, and their role in shaping Europe's topography (co-organized), 08:30–12:00 in Room 12 |
| TS9.5/G3.5/GD8.6/GM3.6/GMPV6.20/SM3.5, Crustal faulting and deformation processes observed by InSAR, GPS and modelling techniques (co-organized), 10:30–17:00 in Room 11 |
| PSD2.12, TS9.5/G3.5/GD8.6/GM3.6/GMPV6.20/SM3.5 - Crustal faulting and deformation processes observed by InSAR, GPS and modelling techniques, 12:15–13:00 in Room SM2 |
| PSD22.3 , GMPV2.1/GD2.7/SM4.2/TS1.4 - Geochemical, petrological and physical discontinuities in the lithospheric mantle: supporting evidence an hypotheses for their origin, 12:15–13:00 in Room 40 |
| PSD22.4 , GMPV1.2/GD5.3/TS6.6 - Subduction processes: geochemical inputs and outputs (co-sponsored by the European Association of Geochemistry (EAG)) (including AGU Kuno lecture), 12:15–13:00 in Room 37 |
| GD3.6/GMPV6.11/SM4.1/TS1.3, The lithosphere-asthenosphere boundary (LAB) depth paradox (co-organized), 13:30–15:00 in Room 30 |
| PSD11.4 , GD4.1/GMPV6.16 - Mid-ocean ridge processes and their consequences: melting and melt extraction from a heterogeneous mantle, 13:30–14:15 in Room 37 |
| PSD11.5, GD4.2/SM2.8/TS5.3 - Evolution of the North and South Atlantic, adjacent continents, and passive continental margins, in general, 14:30–15:15 in Room 37 |
| TS6.3/GD5.2/GMPV6.1 , What is the nature of the subduction interface? Cross-disciplinary views from Geodynamics-Geochemistry-Seismology (co-organized), 13:30–17:00 in Room 20 |
| TS9.5/G3.5/GD8.6/GM3.6/GMPV6.20/SM3.5, Crustal faulting and deformation processes observed by InSAR, GPS and modelling techniques (co-organized), 10:30–17:00 in Room 11 |
| G3.1/CR1.80/GD3.11, Glacial Isostatic Adjustment, Mantle Viscosity and Ice Sheet Fluctuations (co-organized), 15:30–17:00 in Room 17 |
| GD2.1/SSP5.5/TS4.8, Basin Dynamics (co-organized), 15:30–17:00 in Room 30 |
| TS6.3/GD5.2/GMPV6.1, What is the nature of the subduction interface? Cross-disciplinary views from Geodynamics-Geochemistry-Seismology (co-organized), 13:30–17:00 in Room 20 |
| TS9.5/G3.5/GD8.6/GM3.6/GMPV6.20/SM3.5, Crustal faulting and deformation processes observed by InSAR, GPS and modelling techniques (co-organized), 10:30–17:00 in Room 11 |
| Wednesday, 25 April |
| GD8.2/GMPV6.6/TS9.7, Long-term rheological behavior of the lithosphere inferred from observations and models at laboratory and geological time and spatial scales (co-organized), 08:30–12:00 in Room 30 |
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| | GMPV1.3/GD6.2 , Deep mantle mineralogy, geochemistry and geodynamics (co-sponsored by the European Mineralogical Union (EMU) and by the European Association of Geochemistry (EAG)) (including Robert Wilhelm Bunsen Medal Lecture) (co-organized), 08:30–12:00 in Room 31 |
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| | TS6.1/GD5.5, The Alpine-Himalayan convergence zone: from the Mediterranean to SE Asia (co-organized), 08:30–17:00 in Room 12 |
| WE2, 10:30–12:00 | GD8.2/GMPV6.6/TS9.7, Long-term rheological behavior of the lithosphere inferred from observations and models at laboratory and geological time and spatial scales (co-organized), 08:30–12:00 in Room 30 |
| | GMPV1.3/GD6.2 , Deep mantle mineralogy, geochemistry and geodynamics (co-sponsored by the European Mineralogical Union (EMU) and by the European Association of Geochemistry (EAG)) (including Robert Wilhelm Bunsen Medal Lecture) (co-organized), 08:30–12:00 in Room 31 |
| | TS6.1/GD5.5, The Alpine-Himalayan convergence zone: from the Mediterranean to SE Asia (co-organized), 08:30–17:00 in Room 12 |
| | TS7.1/GD3.12, Structural evolution of continental transform boundaries and transpressional fault systems (co-organized), 10:30–12:00 in Room 29 |
| WE3 , 13:30–15:00 | GD6.1/GMPV6.13/SM4.5, Whole mantle and transition zone structure, dynamics and evolution: multidisciplinary perspectives (co-organized), 13:30–17:00 in Room 30 |
| | TS3.1/EMRP2.9/GD2.8, Deformation and strain localization from micro- to lithospheric scales (co-organized), 13:30–17:00 in Room 29 |
| | TS6.1/GD5.5, The Alpine-Himalayan convergence zone: from the Mediterranean to SE Asia (co-organized), 08:30–17:00 in Room 12 |
| WE4, 15:30–17:00 | GD6.1/GMPV6.13/SM4.5, Whole mantle and transition zone structure, dynamics and evolution: multidisciplinary perspectives (co-organized), 13:30–17:00 in Room 30 |
| | PSD11.11 , GD8.2/GMPV6.6/TS9.7 - Long-term rheological behavior of the lithosphere inferred from observations and models at laboratory and geological time and spatial scales, 15:30–16:15 in Room 35 |
| | TS3.1/EMRP2.9/GD2.8, Deformation and strain localization from micro- to lithospheric scales (co-organized), 13:30–17:00 in Room 29 |
| | TS6.1/GD5.5, The Alpine-Himalayan convergence zone: from the Mediterranean to SE Asia (co-organized), 08:30–17:00 in Room 12 |
| WE6, 19:00–20:00 | ML11, Augustus Love Medal Lecture by Yanick Ricard (co-listed), 19:00–20:00 in Room 30 |
| | Thursday, 26 April |
| TH1 , 08:30–10:00 | GD3.5/SM2.7/TS10.8, The Circum-Arctic region: Interplays between plate motions, mantle dynamics and the evolution of basins, margins and microcontinents (co-organized), 08:30–12:00 in Room 30 |
| | TS10.4/GD5.7/SM2.9, Structure and evolution of the greater Alpine area (co-organized), 08:30–10:00 in Room 20 |
| TH2 , 10:30–12:00 | GD3.5/SM2.7/TS10.8, The Circum-Arctic region: Interplays between plate motions, mantle dynamics and the evolution of basins, margins and microcontinents (co-organized), 08:30–12:00 in Room 30 |
| TH3 , 13:30–15:00 | GD5.1/GMPV6.2/SM2.2/TS6.5, Subduction dynamics from surface to deep mantle (co-organized), 13:30–17:00 in Room 30 |
| | PSD11.3, GD3.1/GM3.7/SM4.4/TS1.6 - Plate kinematics, mantle convection, paleogeography and sea level, 14:30–15:15 in Room 35 |
| | PSD11.7 , GD6.1/GMPV6.13/SM4.5 - Whole mantle and transition zone structure, dynamics and evolution: multidisciplinary perspectives, |

| | SM1.1, Open Session on Seismology (including Beno Gutenberg Medal Lecture) (co-listed), 13:30–17:00 in Room 27 |
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| | TS4.3/GD3.9/GM3.1, Orogen-scale coupling between tectonics, erosion and climate (co-organized), 13:30–17:00 in Room 29 |
| TH4 , 15:30–17:00 | GD5.1/GMPV6.2/SM2.2/TS6.5, Subduction dynamics from surface to deep mantle (co-organized), 13:30–17:00 in Room 30 |
| | SM1.1, Open Session on Seismology (including Beno Gutenberg Medal Lecture) (co-listed), 13:30–17:00 in Room 27 |
| | TS4.3/GD3.9/GM3.1, Orogen-scale coupling between tectonics, erosion and climate (co-organized), 13:30–17:00 in Room 29 |
| | Friday, 27 April |
| FR1 , 08:30–10:00 | GD3.1/GM3.7/SM4.4/TS1.6, Plate kinematics, mantle convection, paleogeography and sea level (co-organized), 08:30–12:00 in Room 30 |
| | GD7.1/EMRP1.9/SM4.6, Earth's core dynamics: Observations and models (co-organized), 08:30–12:00 in Room 32 |
| | GMPV1.1/GD2.6 , Origin, evolution of Earth's crust and the formation of a habitable planet (co-sponsored by the European Association of Geochemistry (EAG)) (co-organized), 08:30–15:00 in Room 31 |
| | TS10.2/GD3.10/GMPV6.19/SM2.10, Geodynamics of the westernmost Mediterranean and NW Africa (co-organized), 08:30–12:00 in Room 29 |
| FR2 , 10:30–12:00 | GD3.1/GM3.7/SM4.4/TS1.6, Plate kinematics, mantle convection, paleogeography and sea level (co-organized), 08:30–12:00 in Room 30 |
| | GD7.1/EMRP1.9/SM4.6, Earth's core dynamics: Observations and models (co-organized), 08:30–12:00 in Room 32 |
| | GMPV1.1/GD2.6 , Origin, evolution of Earth's crust and the formation of a habitable planet (co-sponsored by the European Association of Geochemistry (EAG)) (co-organized), 08:30–15:00 in Room 31 |
| | TS10.2/GD3.10/GMPV6.19/SM2.10, Geodynamics of the westernmost Mediterranean and NW Africa (co-organized), 08:30–12:00 in Room 29 |
| FR3 , 13:30–15:00 | GD3.3/TS1.5, Tectonic reconstructions with deforming plates (co-organized), 13:30–15:00 in Room 30 |
| | GMPV1.1/GD2.6 , Origin, evolution of Earth's crust and the formation of a habitable planet (co-sponsored by the European Association of Geochemistry (EAG)) (co-organized), 08:30–15:00 in Room 31 |
| | TS6.2/GD5.4, Subduction and Collision Zones of the Caribbean (co-organized), 13:30–15:00 in Room 20 |
| | TS10.1, Geodynamic, tectonic and paleoenvironmental evolution of the Eastern Mediterranean: from Dinarides to Turkey (co-listed), 13:30–17:00 Room 29 |
| FR4 , 15:30–17:00 | TS10.1, Geodynamic, tectonic and paleoenvironmental evolution of the Eastern Mediterranean: from Dinarides to Turkey (co-listed), 13:30–17:00 Room 29 |

GD – Geodynamics – Poster Sessions

| Monday, 23 April |
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| GMPV2.1/GD2.7/SM4.2/TS1.4 , Geochemical, petrological and physical discontinuities in the lithospheric mantle: supporting evidence and hypotheses for their origin (co-organized), in Hall XL , XL284–XL307 Related: PSD22.3, see TUL |
| GD3.7/G3.2/TS9.9, Integrating geodetic and geological studies of active crustal deformation (co-organized), in Hall XL, XL202–XL210 |
| PSD11.8, GD8.1/TS9.6 - Recent advances in computational geodynamics, 16:30–17:15 in Room 35 |
| PSD11.10 , GD2.5/GMPV6.12/SM4.3/TS10.9 - The tale of Laurasia cratons: new geophysical and geochemical evidence from Europe, Siberia, Greenland, and North America, 15:30–16:15 in Room SM2 |
| GD1.1/PS2.7, Planetary Geodynamics (co-organized), in Hall XL, XL161-XL168 |
| GD2.2/GMPV6.5/SM3.7/TS3.8, Crustal Dynamics vs Anisotropy (co-organized), in Hall XL, XL169-XL181 |
| GD2.3/GMPV6.8/SM3.6/TS9.8, Heat flow and thermal regime of the lithosphere: Deep and surface processes (co-organized), in Hall XL, XL182–XL187 |
| GD2.5/GMPV6.12/SM4.3/TS10.9, The tale of Laurasia cratons: new geophysical and geochemical evidence from Europe, Siberia, Greenland, and North America (co-organized), in Hall XL, XL188–XL201 Related: PSD11.10, see MO4 |
| GD3.7/G3.2/TS9.9, Integrating geodetic and geological studies of active crustal deformation (co-organized), in Hall XL, XL211-XL219 |
| GD8.1/TS9.6, Recent advances in computational geodynamics (co-organized), in Hall XL, XL220-XL238 Related: PSD11.8, see MO4 |
| SM2.0/GD2.10/NH4.10/TS8.8, The 23 October 2011 Van Earthquake - Losses and Lessons (co-organized), in Hall X/Y, XY496-XY504 |
| TS5.1/GD4.3, Rifted margins and onshore analogues: mechanisms of deformation, sedimentation, and magmatism (co-organized), in Hall A, A423–A446 |
| TS9.1/GD8.5, Recent advances in analogue and numerical modeling of tectonic processes (co-organized), in Hall A, A447–A478 |
| Tuesday, 24 April |
| PSD2.12, TS9.5/G3.5/GD8.6/GM3.6/GMPV6.20/SM3.5 - Crustal faulting and deformation processes observed by InSAR, GPS and modelling techniques, 12:15–13:00 in Room SM2 |
| PSD22.3 , GMPV2.1/GD2.7/SM4.2/TS1.4 - Geochemical, petrological and physical discontinuities in the lithospheric mantle: supporting evidence and hypotheses for their origin, 12:15–13:00 in Room 40 |
| PSD22.4 , GMPV1.2/GD5.3/TS6.6 - Subduction processes: geochemical inputs and outputs (co-sponsored by the European Association of Geochemistry (EAG)) (including AGU Kuno lecture), 12:15–13:00 in Room 37 |
| PSD11.4, GD4.1/GMPV6.16 - Mid-ocean ridge processes and their consequences: melting and melt extraction from a heterogeneous mantle, 13:30–14:15 in Room 37 |
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| | PSD11.5, GD4.2/SM2.8/TS5.3 - Evolution of the North and South Atlantic, adjacent continents, and passive continental margins, in general, 14:30–15:15 in Room 37 |
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| TU4 , 15:30–17:00 | GD4.2/SM2.8/TS5.3, Evolution of the North and South Atlantic, adjacent continents, and passive continental margins, in general (co-organized), in Hall XL, XL201–XL216 Related: PSD11.5, see TU3 |
| | SM2.1/GD1.3/NH4.9/TS8.5, Large Earthquake and Tsunami Activity (co-organized), in Hall X/Y, XY467–XY485 |
| TU5 , 17:30–19:00 | G3.1/CR1.80/GD3.11, Glacial Isostatic Adjustment, Mantle Viscosity and Ice Sheet Fluctuations (co-organized), in Hall Z, Z186-Z201 |
| | GD2.1/SSP5.5/TS4.8, Basin Dynamics (co-organized), in Hall XL, XL161–XL179 |
| | GD3.6/GMPV6.11/SM4.1/TS1.3, The lithosphere-asthenosphere boundary (LAB) depth paradox (co-organized), in Hall XL, XL180–XL190 |
| | GD4.1/GMPV6.16, Mid-ocean ridge processes and their consequences: melting and melt extraction from a heterogeneous mantle (co-organized), in Hall XL, XL191–XL200 Related: PSD11.4, see TU3 |
| | GD4.2/SM2.8/TS5.3, Evolution of the North and South Atlantic, adjacent continents, and passive continental margins, in general (co-organized), in Hall XL, XL217–XL231 Related: PSD11.5, see TU3 |
| | TS4.4/G6.1/GD3.8/GM3.3, TOPOEUROPE: Coupled deep earth - surface processes, and their role in shaping Europe's topography (co-organized), in Hall A, A434–A466 |
| | TS6.3/GD5.2/GMPV6.1, What is the nature of the subduction interface? Cross-disciplinary views from Geodynamics-Geochemistry-Seismology (co-organized), in Hall A, A467–A486 |
| | TS9.5/G3.5/GD8.6/GM3.6/GMPV6.20/SM3.5, Crustal faulting and deformation processes observed by InSAR, GPS and modelling techniques (co-organized), in Hall A, A501–A531 Related: PSD2.12, see TUL |
| | Wednesday, 25 April |
| WE4 , 15:30–17:00 | PSD11.11, GD8.2/GMPV6.6/TS9.7 - Long-term rheological behavior of the lithosphere inferred from observations and models at laboratory and geological time and spatial scales, 15:30–16:15 in Room 35 |
| WE5 , 17:30–19:00 | GD8.2/GMPV6.6/TS9.7, Long-term rheological behavior of the lithosphere inferred from observations and models at laboratory and geological time and spatial scales (co-organized), in Hall XL, XL86–XL114 Related: PSD11.11, see WE4 |
| | GMPV1.3/GD6.2 , Deep mantle mineralogy, geochemistry and geodynamics (co-sponsored by the European Mineralogical Union (EMU) and by the European Association of Geochemistry (EAG)) (including Robert Wilhelm Bunsen Medal Lecture) (co-organized), in Hall XL , XL186–XL193 |
| | TS3.1/EMRP2.9/GD2.8, Deformation and strain localization from micro- to lithospheric scales (co-organized), in Hall A, A410–A429 |
| | TS6.1/GD5.5, The Alpine-Himalayan convergence zone: from the Mediterranean to SE Asia (co-organized), in Hall A, A430–A469 |
| | TS7.1/GD3.12, Structural evolution of continental transform boundaries and transpressional fault systems (co-organized), in Hall A, A470–A478 |
| | Thursday, 26 April |
| TH3 , 13:30–15:00 | GMPV1.1/GD2.6 , Origin, evolution of Earth's crust and the formation of a habitable planet (co-sponsored by the European Association of Geochemistry (EAG)) (co-organized), in Hall Z , Z1–Z9 |

| | GMPV1.2/GD5.3/TS6.6 , Subduction processes: geochemical inputs and outputs (co-sponsored by the European Association of Geochemistry (EAG)) (including AGU Kuno lecture) (co-organized), in Hall Z , Z10–Z24 Related: PSD22.4, see TUL |
|--------------------------|---|
| | PSD11.3, GD3.1/GM3.7/SM4.4/TS1.6 - Plate kinematics, mantle convection, paleogeography and sea level, 14:30–15:15 in Room 35 |
| | PSD11.7 , GD6.1/GMPV6.13/SM4.5 - Whole mantle and transition zone structure, dynamics and evolution: multidisciplinary perspectives, 13:30–14:15 in Room 37 |
| TH4 , 15:30–17:00 | GD3.1/GM3.7/SM4.4/TS1.6, Plate kinematics, mantle convection, paleogeography and sea level (co-organized), in Hall XL, XL163–XL173 Related: PSD11.3, see TH3 |
| TH5 , 17:30–19:00 | GD3.1/GM3.7/SM4.4/TS1.6, Plate kinematics, mantle convection, paleogeography and sea level (co-organized), in Hall XL, XL174–XL183 Related: PSD11.3, see TH3 |
| | GD3.3/TS1.5, Tectonic reconstructions with deforming plates (co-organized), in Hall XL, XL184–XL192 |
| | GD6.1/GMPV6.13/SM4.5, Whole mantle and transition zone structure, dynamics and evolution: multidisciplinary perspectives (co-organized), in Hall XL, XL193–XL205 Related: PSD11.7, see TH3 |
| | TS1.1, Open Session: Tectonics and Structural Geology (co-listed), in Hall A, A413–A434 |
| | TS10.1, Geodynamic, tectonic and paleoenvironmental evolution of the Eastern Mediterranean: from Dinarides to Turkey (co-listed), in Hall A, A435–A454 |
| | TS10.2/GD3.10/GMPV6.19/SM2.10, Geodynamics of the westernmost Mediterranean and NW Africa (co-organized), in Hall A, A455–A483 |
| | TS10.4/GD5.7/SM2.9, Structure and evolution of the greater Alpine area (co-organized), in Hall A, A484–A503 |
| | Friday, 27 April |
| FR1 , 08:30–10:00 | GD3.5/SM2.7/TS10.8, The Circum-Arctic region: Interplays between plate motions, mantle dynamics and the evolution of basins, margins and microcontinents (co-organized), in Hall XL, XL35–XL43 |
| FR2 , 10:30–12:00 | GD3.5/SM2.7/TS10.8, The Circum-Arctic region: Interplays between plate motions, mantle dynamics and the evolution of basins, margins and microcontinents (co-organized), in Hall XL, XL44–XL52 |
| | GD5.1/GMPV6.2/SM2.2/TS6.5, Subduction dynamics from surface to deep mantle (co-organized), in Hall XL, XL53–XL92 |
| | SM1.1, Open Session on Seismology (including Beno Gutenberg Medal Lecture) (co-listed), in Hall X/Y, XY492–XY519 |
| | TS4.3/GD3.9/GM3.1, Orogen-scale coupling between tectonics, erosion and climate (co-organized), in Hall A, A452–A474 |
| | TS6.2/GD5.4, Subduction and Collision Zones of the Caribbean (co-organized), in Hall A, A475–A487 |
| FR3, 13:30–15:00 | GD7.1/EMRP1.9/SM4.6, Earth's core dynamics: Observations and models (co-organized), in Hall XL, XL93–XL98 |