

BG – Biogeosciences (#EGU17BG) – Orals

Monday, 24 April

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| MO1 , 08:30–10:00 | BG1.1 , Model-data fusion approaches in biogeosciences, 08:30–10:00, Room 2.20 |
| | BG6.3 , Biogeochemical Change in Seawater and early organisms in the Phanerozoic: reconstruction, evolution and ecological impacts, 08:30–10:00, Room 2.31 |
| | CL2.09/AS4.8/BG9.19 , Phenology and seasonality in climate change and ecology (co-organized), 08:30–12:00, Room F2 |
| | SSS9.13/BG9.45/CL4.06/CR4.7 , Soils in cold-climate regions (co-organized), 08:30–12:15, Room -2.21 |
| MO2 , 10:30–12:00 | BG1.11 , Terrestrial and aquatic ecosystem disturbance – effects on GHG budgets, 10:30–12:00, Room 2.20 |
| | CL2.09/AS4.8/BG9.19 , Phenology and seasonality in climate change and ecology (co-organized), 08:30–12:00, Room F2 |
| | SSS9.13/BG9.45/CL4.06/CR4.7 , Soils in cold-climate regions (co-organized), 08:30–12:15, Room -2.21 |
| MOL , 12:15–13:15 | UMI0 , Plenary, 12:15–13:15, Room E1 |
| MO3 , 13:30–15:00 | BG1.3 , 20 years of eddy flux research in EuroFlux and AmeriFlux: History, Highlights, and Future Directions, 13:30–17:00, Room L1 |
| | BG2.11 , Identifying knowledge gaps in supporting resilience of forest cover under changing environmental conditions, 13:30–15:00, Room 2.20 |
| | SSS9.14/BG9.46/CL3.13 , Carbon sequestration in soils for mitigation, adaptation and food security: making the ‘4 per 1000’ goal a reality and studying soils based negative emissions technologies (NETs) (co-organized), 13:30–17:00, Room -2.21 |
| MO4 , 15:30–17:00 | BG1.3 , 20 years of eddy flux research in EuroFlux and AmeriFlux: History, Highlights, and Future Directions, 13:30–17:00, Room L1 |
| | BG2.17 , Advances in process understanding, modelling and predictions of soil biogeochemical cycles, 15:30–17:00, Room 2.20 |
| | GM1.6/BG9.38/HS11.11/NH8.8/TS4.7 , Perturbation of earth surface systems by rare events (co-organized), 15:30–17:00, Room N1 |
| | SSS9.14/BG9.46/CL3.13 , Carbon sequestration in soils for mitigation, adaptation and food security: making the ‘4 per 1000’ goal a reality and studying soils based negative emissions technologies (NETs) (co-organized), 13:30–17:00, Room -2.21 |
| | SSS9.20/BG9.62/HS11.57 , Water repellency of soil, biological and manmade materials: origin, assessment and implications (co-organized), 15:30–17:15, Room K2 |

Tuesday, 25 April

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| TU1 , 08:30–10:00 | BG3.1/OS3.8 , Biogeochemistry of coastal seas and continental shelves (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-organized), 08:30–17:00, Room D1 |
| | SSS1.6/AS4.51/BG9.13/CL3.06/HS11.43/NH9.22 , European Environmental Policies and Sustainability (co-organized), 08:30–10:15, Room -2.20 |
| | HS10.7/BG9.51/GM9.7 , Linking river ecology, hydrology, and geomorphology for integrated river management (co-organized), 08:30–12:00, Room 2.15 |
| TU2 , 10:30–12:00 | BG3.1/OS3.8 , Biogeochemistry of coastal seas and continental shelves (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-organized), 08:30–17:00, Room D1 |

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| | HS10.7/BG9.51/GM9.7 , Linking river ecology, hydrology, and geomorphology for integrated river management (co-organized), 08:30–12:00, Room 2.15 |
| TU3 , 13:30–15:00 | BG3.1/OS3.8 , Biogeochemistry of coastal seas and continental shelves (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-organized), 08:30–17:00, Room D1 |
| | ML31/BG , Vladimir Ivanovich Vernadsky Medal Lecture by Jack J. Middelburg (co-organized), 14:00–15:00, Room D1 |
| | GI2.1/AS4.42/BG9.21/CL5.16/NH6.10/PS1.6/ST3.7 , Atmospheric and Meteorological Instrumentation (co-organized), 13:30–17:00, Room 0.96 |
| TU4 , 15:30–17:00 | BG3.1/OS3.8 , Biogeochemistry of coastal seas and continental shelves (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-organized), 08:30–17:00, Room D1 |
| | AS4.4/BG9.1/OS3.7 , Air-sea exchanges: Impacts on Biogeochemistry and Climate (co-organized), 15:30–17:00, Room 0.11 |
| | GI2.1/AS4.42/BG9.21/CL5.16/NH6.10/PS1.6/ST3.7 , Atmospheric and Meteorological Instrumentation (co-organized), 13:30–17:00, Room 0.96 |
| Wednesday, 26 April | |
| WE1 , 08:30–10:00 | BG1.2 , Application of stable isotopes in Biogeosciences (co-organized by the European Association of Geochemistry (EAG), 08:30–12:00, Room 2.20 |
| | SSS6.2/BG9.11 , Soil organic matter turnover: from molecules to ecosystems and back again (co-organized), 08:30–10:15, Room -2.47 |
| | US1/AS4.52/BG9.67/CL4.20/SSS0.4 , Vegetation-climate interactions across time scales (co-organized), 08:30–12:00, Room E2 |
| WE2 , 10:30–12:00 | BG1.2 , Application of stable isotopes in Biogeosciences (co-organized by the European Association of Geochemistry (EAG), 08:30–12:00, Room 2.20 |
| | BG5.2 , Methane in the marine and terrestrial realm: geo(physical) aspects, biogeochemical cycling, microbial metabolisms, environmental impacts and climate change, 10:30–12:00, Room 2.31 |
| | ML32/BG , BG Division Outstanding ECS Award Lecture by Michaela A. Dippold (co-organized), 11:45–12:00, Room 2.20 |
| | US1/AS4.52/BG9.67/CL4.20/SSS0.4 , Vegetation-climate interactions across time scales (co-organized), 08:30–12:00, Room E2 |
| WE3 , 13:30–15:00 | BG2.15 , Surface exchange and distribution of reactive trace gases and aerosols, 13:30–17:00, Room 2.31 |
| | BG2.16/CL5.24/SSS9.40 , Response of terrestrial ecosystems to climate change: Learning from experimental manipulations and natural gradients (co-organized), 13:30–17:00, Room 2.20 |
| | IE3.1/BG9.58 , Information extraction from satellite Earth observations using data-driven methods (co-organized), 13:30–15:00, Room L2 |
| | SSS7.8/BG9.10/HS11.53 , The impact of pesticides in life, water, sediment, air and soil resources (co-organized), 13:30–17:20, Room -2.47 |
| | CL4.07/AS1.14/BG9.18/CR1.7/HS11.3 , Mountain climates: processes, change and related impacts (co-organized), 13:30–17:00, Room E2 |
| | SSS6.8/BG9.56 , The impact of soil organic carbon loss on environmental services (co-organized), 13:30–15:00, Room -2.21 |
| WE4 , 15:30–17:00 | BG2.15 , Surface exchange and distribution of reactive trace gases and aerosols, 13:30–17:00, Room 2.31 |

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| | BG2.16/CL5.24/SSS9.40 , Response of terrestrial ecosystems to climate change: Learning from experimental manipulations and natural gradients (co-organized), 13:30–17:00, Room 2.20 |
| | SSS7.8/BG9.10/HS11.53 , The impact of pesticides in life, water, sediment, air and soil resources (co-organized), 13:30–17:20, Room -2.47 |
| | CL1.23/BG9.14/CR6.3/OS2.5 , Polar continental margins and fjords – climate, oceanography, tectonics and geohazards (co-organized), 15:30–17:00, Room 0.96 |
| | CL4.07/AS1.14/BG9.18/CR1.7/HS11.3 , Mountain climates: processes, change and related impacts (co-organized), 13:30–17:00, Room E2 |
| Thursday, 27 April | |
| TH1, 08:30–10:00 | BG1.7/AS4.53 , Stable isotopes and novel tracers in biogeochemical and atmospheric research (co-organized), 08:30–10:00, Room 2.31 |
| | BG2.8/CL3.14/SSS9.38 , Terrestrial ecosystem responses to global change: integrating carbon, nutrient, and water cycles in experiments and models (co-organized), 08:30–12:00, Room 2.20 |
| | IE1.1/CR1.14/AS4.21/BG9.66 , Atmosphere – Cryosphere interaction in the Arctic, high latitudes and mountains: Transport and deposition of aerosols, eScience and ensemble methods (co-organized), 08:30–12:00, Room L2 |
| | HS10.3/BG9.4/SSS9.34 , General Ecohydrology (co-organized), 08:30–12:00, Room C |
| | SSS11.4/BG9.41/NP10.5 , Complexity and non-linearity in soils (co-organized), 08:30–12:15, Room -2.20 |
| | AS3.25/BG9.64 , Rising methane and climate: Identification, estimation, and reduction of anthropogenic and natural methane sources and sinks from the Arctic to the Tropics. (co-organized), 08:30–12:00, Room 0.11 |
| TH2, 10:30–12:00 | BG2.8/CL3.14/SSS9.38 , Terrestrial ecosystem responses to global change: integrating carbon, nutrient, and water cycles in experiments and models (co-organized), 08:30–12:00, Room 2.20 |
| | BG2.20 , Carbon allocation in plants and ecosystems: mechanisms, responses and biogeochemical implications, 10:30–12:00, Room 2.31 |
| | IE1.1/CR1.14/AS4.21/BG9.66 , Atmosphere – Cryosphere interaction in the Arctic, high latitudes and mountains: Transport and deposition of aerosols, eScience and ensemble methods (co-organized), 08:30–12:00, Room L2 |
| | HS10.3/BG9.4/SSS9.34 , General Ecohydrology (co-organized), 08:30–12:00, Room C |
| | SSS11.4/BG9.41/NP10.5 , Complexity and non-linearity in soils (co-organized), 08:30–12:15, Room -2.20 |
| | GM6.2/BG9.43/SSS9.36 , Biogeomorphology: conceptualising and quantifying processes, rates and feedbacks (co-organized), 10:30–12:00, Room L3 |
| | 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 |
| | AS3.25/BG9.64 , Rising methane and climate: Identification, estimation, and reduction of anthropogenic and natural methane sources and sinks from the Arctic to the Tropics. (co-organized), 08:30–12:00, Room 0.11 |
| THL, 12:15–13:15 | DM2/BG , Division meeting for Biogeosciences (BG) (co-organized), 12:15–13:15, Room 2.20 |
| TH3, 13:30–15:00 | BG2.12/SSS5.18 , Biogeochemistry of peatlands and lakes (co-organized), 13:30–17:00, Room 2.20 |
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| | BG2.21 , Plant traits and biogeochemical cycles, including optimality, acclimation and adaptation in land ecosystem models (co-organized), 13:30–15:00, Room 2.31 |
| | CL1.12/BG9.16/SSP4.9 , Tree ring proxies of climatic and environmental change (co-organized), 13:30–17:00, Room E2 |
| | GI3.9/BG9.22/CR2.5/ESSI1.11/GM3.8 , Close-Range Sensing of Environment and 3D Point Clouds in Geosciences (co-organized), 13:30–15:00, Room 0.96 |
| | SSS4.5/BG9.57/CL2.12 , Plant-soil-microbial interactions under global change (co-organized), 13:30–17:00, Room -2.47 |
| | OS3.1/BG9.69 , Ocean biogeochemistry and ecosystems: recent advances and novel approaches to synthesis and prediction (co-organized), 13:30–17:00, Room G2 |
| TH4, 15:30–17:00 | BG2.12/SSS5.18 , Biogeochemistry of peatlands and lakes (co-organized), 13:30–17:00, Room 2.20 |
| | BG7.3 , Natural organic matter in aquatic systems: methods, fractions and interactions in natural and engineered systems, 15:30–17:00, Room 2.31 |
| | SSS9.8/BG9.8/GM6.5/NH9.26 , Coevolution of soils, landforms and vegetation: patterns, feedbacks and ecosystem stability thresholds (co-organized), 15:30–17:15, Room K2 |
| | CL1.12/BG9.16/SSP4.9 , Tree ring proxies of climatic and environmental change (co-organized), 13:30–17:00, Room E2 |
| | SSS4.5/BG9.57/CL2.12 , Plant-soil-microbial interactions under global change (co-organized), 13:30–17:00, Room -2.47 |
| | OS3.1/BG9.69 , Ocean biogeochemistry and ecosystems: recent advances and novel approaches to synthesis and prediction (co-organized), 13:30–17:00, Room G2 |
| Friday, 28 April | |
| FR1, 08:30–10:00 | BG2.3/CL2.31/SSS10.17 , Forest Management under Climate Change (co-organized), 08:30–10:15, Room 2.20 |
| | BG2.7/SSS6.13 , Peatlands and the Carbon Cycle (co-organized), 08:30–10:15, Room 2.31 |
| | AS4.16/BG9.2/CL2.14/HS11.1 , Stable isotopes in the atmosphere - from vapor to precipitation (co-organized), 08:30–10:00, Room F1 |
| | GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12 , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), 08:30–12:10, Room L8 |
| | CL1.21/BG9.59/OS2.10/SSP2.8/SSS3.15 , Past climate - isotopic and multi-proxy continental and shallow marine records (co-organized), 08:30–10:00, Room 0.94 |
| | OS3.1/BG9.69 , Ocean biogeochemistry and ecosystems: recent advances and novel approaches to synthesis and prediction (co-organized), 08:30–10:00, Room G2 |
| FR2, 10:30–12:00 | BG1.8 , Remote Sensing and data assimilation in the Biogeosciences (co-sponsored by iLEAPS), 10:30–17:00, Room 2.20 |
| | BG4.3/SSS5.20 , Biogeochemistry, ecohydrology, and land-use in the tropics and subtropics (co-organized), 10:30–17:00, Room 2.31 |
| | GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12 , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), 08:30–12:10, Room L8 |
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| | OS1.9/AS1.17/BG9.60/CL4.16 , The Indian Ocean's past, present, and future – A session in Honour of Gary Meyers (co-organized), 10:30–12:00, Room 0.49 |
| FR3 , 13:30–15:00 | BG1.8 , Remote Sensing and data assimilation in the Biogeosciences (co-sponsored by iLEAPS), 10:30–17:00, Room 2.20 |
| | BG1.10 , Nitrogen-transformation processes in terrestrial and aquatic ecosystems: advances in pathways-tracing, quantification and process-based modelling, 13:30–17:00, Room L2 |
| | BG4.3/SSS5.20 , Biogeochemistry, ecohydrology, and land-use in the tropics and subtropics (co-organized), 10:30–17:00, Room 2.31 |
| | GM4.1/BG9.35/GMPV2.12/SSS2.34 , Coupling chemical weathering and physical erosion: Insights from geomorphic and geochemical studies (co-organized), 13:30–15:00, Room L3 |
| | GM9.5/BG9.50/HS11.22/SSS2.28 , Interactions of geomorphology, dams and flood hazard (co-organized), 13:30–15:00, Room N1 |
| | GMPV1.4/BG9.68/SSP3.15 , From hydrothermal systems to mud volcanoes: structure, evolution and monitoring of active and fossile piercements (co-organized), 13:30–17:00, Room D1 |
| FR4 , 15:30–17:00 | BG1.8 , Remote Sensing and data assimilation in the Biogeosciences (co-sponsored by iLEAPS), 10:30–17:00, Room 2.20 |
| | BG1.10 , Nitrogen-transformation processes in terrestrial and aquatic ecosystems: advances in pathways-tracing, quantification and process-based modelling, 13:30–17:00, Room L2 |
| | BG4.3/SSS5.20 , Biogeochemistry, ecohydrology, and land-use in the tropics and subtropics (co-organized), 10:30–17:00, Room 2.31 |
| | GMPV1.4/BG9.68/SSP3.15 , From hydrothermal systems to mud volcanoes: structure, evolution and monitoring of active and fossile piercements (co-organized), 13:30–17:00, Room D1 |

BG – Biogeosciences (#EGU17BG) – PICOs

Monday, 24 April

MO1, 08:30–10:00 **SSS10.8/BG9.6/HS9.11**, Soil Erosion, hydrological processes and biological degradation in worldwide vineyards (co-organized), **PICO spot 5b**

MO3, 13:30–15:00 **BG4.2**, Greenhouse gases (CO₂, CH₄, N₂O) observation, experiment, and modeling in Asia, **PICO spot A**

Tuesday, 25 April

TU1, 08:30–10:00 **IE3.6/GM1.8/AS4.50/BG9.65/CL5.26/HS11.23/SSS11.11**, R's deliberate role in Earth sciences (co-organized), **PICO spot A**

SSS11.6/BG9.42/NP10.7, Integrating Soil Systems Ecology into biogeochemical models (co-organized), **PICO spot 3**

TU2, 10:30–12:00 **SSS12.13/BG9.26**, Innovative analytical methods and hyphenated techniques in soil analysis (co-organized), **PICO spot 3**

Wednesday, 26 April

WE1, 08:30–10:00 **SSS4.17/BG9.9**, Biological soil crusts: their history, diversity, functional roles and threats (co-organized), **PICO spot 5b**

WE2, 10:30–12:00 **SSS6.5/BG9.55**, Natural and pyrogenic organic carbon and nitrogen in soils: Function, fate, analytical challenges and how this relates to the concept of humic substances (co-organized), **PICO spot 5b**

Thursday, 27 April

TH1, 08:30–10:00 **BG2.19/SSS10.19**, Forests and the methane and nitrous oxide cycles (co-organized), **PICO spot A**

TH4, 15:30–17:00 **SSS2.8/BG9.44**, Soil quality assessment in degraded ecosystems: Global advances and challenges (co-organized), **PICO spot 5b**

Friday, 28 April

FR1, 08:30–10:00 **BG1.9/SSS13.11**, Interdisciplinary session on the global Phosphorus cycle (co-organized), **PICO spot 5a**

BG7.1, Fate and transport of indicator organisms used to infer microbial water quality in catchments, **PICO spot 1**

SSS6.7/BG9.29/GM8.9, Lateral transport of soil organic carbon: the role of erosion/deposition, land use changes, forest fires and other disturbances (co-organized), **PICO spot 5b**

FR3, 13:30–15:00 **BG2.10/SSS9.37**, Greenhouse gases balance and management in natural and anthropogenic boreal landscapes (co-organized), **PICO spot 5a**

SSS7.4/AS4.7/BG9.32, Production and transport of gases in the soil: measurements and modelling (co-organized), **PICO spot 3**

FR4, 15:30–17:00 **BG1.5/CL2.33/HS6.6**, Climate extremes, biosphere and society: impacts, remote sensing, and feedbacks (co-organized), **PICO spot 5a**

GM6.3/BG9.37/HS11.16, Vegetated rivers: relationships between riparian vegetation, instream wood and fluvial processes, hazards and management. (co-organized), **PICO spot 5b**

BG – Biogeosciences (#EGU17BG) – Posters

Monday, 24 April

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|---|---|
| MO2 , 10:30–12:00 | BG1.1 , Model-data fusion approaches in biogeosciences, Hall A, A.1–A.14 |
| | BG6.3 , Biogeochemical Change in Seawater and early organisms in the Phanerozoic: reconstruction, evolution and ecological impacts, Hall A, A.83–A.106 |
| MO3 , 13:30–15:00 | BG1.11 , Terrestrial and aquatic ecosystem disturbance – effects on GHG budgets, Hall A, A.36–A.51 |
| MO4 , 15:30–17:00 | BG2.11 , Identifying knowledge gaps in supporting resilience of forest cover under changing environmental conditions, Hall A, A.52–A.65 |
| MO5 , 17:30–19:00 | BG1.3 , 20 years of eddy flux research in EuroFlux and AmeriFlux: History, Highlights, and Future Directions, Hall A, A.15–A.35 |
| | BG2.17 , Advances in process understanding, modelling and predictions of soil biogeochemical cycles, Hall A, A.66–A.82 |
| | CL2.09/AS4.8/BG9.19 , Phenology and seasonality in climate change and ecology (co-organized), Hall X5, X5.82–X5.112 |
| | GM1.6/BG9.38/HS11.11/NH8.8/TS4.7 , Perturbation of earth surface systems by rare events (co-organized), Hall X2, X2.72–X2.87 |
| | SSS11.4/BG9.41/NP10.5 , Complexity and non-linearity in soils (co-organized), Hall X1, X1.358–X1.380 |
| | SSS9.13/BG9.45/CL4.06/CR4.7 , Soils in cold-climate regions (co-organized), Hall X1, X1.282–X1.300 |
| | SSS9.14/BG9.46/CL3.13 , Carbon sequestration in soils for mitigation, adaptation and food security: making the ‘4 per 1000’ goal a reality and studying soils based negative emissions technologies (NETs) (co-organized), Hall X1, X1.301–X1.325 |
| SSS9.20/BG9.62/HS11.57 , Water repellency of soil, biological and manmade materials: origin, assessment and implications (co-organized), Hall X1, X1.326–X1.344 | |

Tuesday, 25 April

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| TU5 , 17:30–19:00 | BG3.1/OS3.8 , Biogeochemistry of coastal seas and continental shelves (including Vladimir Ivanovich Vernadsky Medal Lecture) (co-organized), Hall A, A.1–A.39 |
| | AS4.4/BG9.1/OS3.7 , Air-sea exchanges: Impacts on Biogeochemistry and Climate (co-organized), Hall X5, X5.409–X5.426 |
| | SSS1.6/AS4.51/BG9.13/CL3.06/HS11.43/NH9.22 , European Environmental Policies and Sustainability (co-organized), Hall X1, X1.134–X1.139 |
| | GI2.1/AS4.42/BG9.21/CL5.16/NH6.10/PS1.6/ST3.7 , Atmospheric and Meteorological Instrumentation (co-organized), Hall X4, X4.176–X4.190 |
| | SSS7.12/BG9.24/HS8.3.13/SSP3.12 , Microenvironments in soils and sediments - linking concepts, experiments and models (co-organized), Hall X1, X1.249–X1.260 |
| | HS10.7/BG9.51/GM9.7 , Linking river ecology, hydrology, and geomorphology for integrated river management (co-organized), Hall A, A.313–A.334 |

Wednesday, 26 April

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| WE3 , 13:30–15:00 | BG1.2 , Application of stable isotopes in Biogeosciences (co-organized by the European Association of Geochemistry (EAG)), Hall A, A.1–A.19 |
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| | BG5.2 , Methane in the marine and terrestrial realm: geo(physical) aspects, biogeochemical cycling, microbial metabolisms, environmental impacts and climate change, Hall A, A.20–A.40 |
| | US1/AS4.52/BG9.67/CL4.20/SSS0.4 , Vegetation-climate interactions across time scales (co-organized), Hall X4, X4.498–X4.506 |
| WE5 , 17:30–19:00 | IE3.1/BG9.58 , Information extraction from satellite Earth observations using data-driven methods (co-organized), Hall X4, X4.154–X4.167 |
| | SSS7.8/BG9.10/HS11.53 , The impact of pesticides in life, water, sediment, air and soil resources (co-organized), Hall X1, X1.110–X1.136 |
| | SSS6.2/BG9.11 , Soil organic matter turnover: from molecules to ecosystems and back again (co-organized), Hall X1, X1.57–X1.75 |
| | CL1.23/BG9.14/CR6.3/OS2.5 , Polar continental margins and fjords – climate, oceanography, tectonics and geohazards (co-organized), Hall X5, X5.42–X5.57 |
| | CL4.07/AS1.14/BG9.18/CR1.7/HS11.3 , Mountain climates: processes, change and related impacts (co-organized), Hall X5, X5.192–X5.223 |
| | SSS6.8/BG9.56 , The impact of soil organic carbon loss on environmental services (co-organized), Hall X1, X1.76–X1.91 |
| Thursday, 27 April | |
| TH3 , 13:30–15:00 | BG1.7/AS4.53 , Stable isotopes and novel tracers in biogeochemical and atmospheric research (co-organized), Hall A, A.1–A.23 |
| | BG2.20 , Carbon allocation in plants and ecosystems: mechanisms, responses and biogeochemical implications, Hall A, A.50–A.64 |
| TH4 , 15:30–17:00 | BG2.16/CL5.24/SSS9.40 , Response of terrestrial ecosystems to climate change: Learning from experimental manipulations and natural gradients (co-organized), Hall A, A.24–A.49 |
| TH5 , 17:30–19:00 | IE1.1/CR1.14/AS4.21/BG9.66 , Atmosphere – Cryosphere interaction in the Arctic, high latitudes and mountains: Transport and deposition of aerosols, eScience and ensemble methods (co-organized), Hall X5, X5.476–X5.498 |
| | HS10.3/BG9.4/SSS9.34 , General Ecohydrology (co-organized), Hall A, A.403–A.429 |
| | SSS9.8/BG9.8/GM6.5/NH9.26 , Coevolution of soils, landforms and vegetation: patterns, feedbacks and ecosystem stability thresholds (co-organized), Hall X1, X1.284–X1.297 |
| | CL1.12/BG9.16/SSP4.9 , Tree ring proxies of climatic and environmental change (co-organized), Hall X5, X5.1–X5.33 |
| | GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12 , Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), Hall X4, X4.234–X4.252 |
| | GI3.9/BG9.22/CR2.5/ESSI1.11/GM3.8 , Close-Range Sensing of Environment and 3D Point Clouds in Geosciences (co-organized), Hall X4, X4.300–X4.315 |
| | SSS4.5/BG9.57/CL2.12 , Plant-soil-microbial interactions under global change (co-organized), Hall X1, X1.179–X1.198 |
| | 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 |
| | AS3.25/BG9.64 , Rising methane and climate: Identification, estimation, and reduction of anthropogenic and natural methane sources and sinks from the Arctic to the Tropics. (co-organized), Hall X5, X5.337–X5.365 |
| | OS3.1/BG9.69 , Ocean biogeochemistry and ecosystems: recent advances and novel approaches to synthesis and prediction (co-organized), Hall X4, X4.83–X4.118 |

Friday, 28 April

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| FR2, 10:30–12:00 | BG2.3/CL2.31/SSS10.17 , Forest Management under Climate Change (co-organized), Hall A, A.52–A.68 |
| | BG2.7/SSS6.13 , Peatlands and the Carbon Cycle (co-organized), Hall A, A.69–A.86 |
| | BG2.8/CL3.14/SSS9.38 , Terrestrial ecosystem responses to global change: integrating carbon, nutrient, and water cycles in experiments and models (co-organized), Foyer M, M.1–M.26 |
| | BG2.12/SSS5.18 , Biogeochemistry of peatlands and lakes (co-organized), Foyer M, M.27–M.50 |
| | BG2.15 , Surface exchange and distribution of reactive trace gases and aerosols, Hall A, A.87–A.106 |
| | BG2.21 , Plant traits and biogeochemical cycles, including optimality, acclimation and adaptation in land ecosystem models (co-organized), Hall A, A.107–A.135 |
| | BG7.3 , Natural organic matter in aquatic systems: methods, fractions and interactions in natural and engineered systems, Hall A, A.161–A.180 |
| FR5, 17:30–19:00 | BG1.8 , Remote Sensing and data assimilation in the Biogeosciences (co-sponsored by iLEAPS), Hall A, A.1–A.24 |
| | BG1.10 , Nitrogen-transformation processes in terrestrial and aquatic ecosystems: advances in pathways-tracing, quantification and process-based modelling, Hall A, A.25–A.51 |
| | BG4.3/SSS5.20 , Biogeochemistry, ecohydrology, and land-use in the tropics and subtropics (co-organized), Hall A, A.136–A.160 |
| | AS4.16/BG9.2/CL2.14/HS11.1 , Stable isotopes in the atmosphere - from vapor to precipitation (co-organized), Hall X5, X5.411–X5.424 |
| | NH6.4/BG9.34/CL2.24/HS11.32 , Assessment of climate hazards' impact on natural and cultural environment: Remote sensing and GIS applications (co-organized), Hall X3, X3.259–X3.271 |
| | GM4.1/BG9.35/GMPV2.12/SSS2.34 , Coupling chemical weathering and physical erosion: Insights from geomorphic and geochemical studies (co-organized), Hall X2, X2.55–X2.70 |
| | GM6.2/BG9.43/SSS9.36 , Biogeomorphology: conceptualising and quantifying processes, rates and feedbacks (co-organized), Hall X2, X2.151–X2.169 |
| | GM9.5/BG9.50/HS11.22/SSS2.28 , Interactions of geomorphology, dams and flood hazard (co-organized), Hall X2, X2.211–X2.225 |
| | CL1.21/BG9.59/OS2.10/SSP2.8/SSS3.15 , Past climate - isotopic and multi-proxy continental and shallow marine records (co-organized), Hall X5, X5.36–X5.56 |
| | OS1.9/AS1.17/BG9.60/CL4.16 , The Indian Ocean's past, present, and future – A session in Honour of Gary Meyers (co-organized), Hall X4, X4.1–X4.14 |
| | GMPV1.4/BG9.68/SSP3.15 , From hydrothermal systems to mud volcanoes: structure, evolution and monitoring of active and fossile piercements (co-organized), Hall X2, X2.341–X2.365 |