

BG – Biogeosciences – Oral Sessions**Monday, 04 April**

MO1 , 08:30–10:00	BG1.4 , Frontiers in geobiology: New insights and developments in microbial mineralization processes, biosignatures and chemical imaging, Room 24, 08:30–12:00
	BG2.14 , Peatlands and the Carbon Cycle, Room 23, 08:30–12:00
	GD1.1/BG8.3/GMPV44/TS1.3 , Early Earth: from deep dynamics to surface life (co-organized), Room 3, 08:30–10:00
	SSS1.3 , Molecular proxies for studying biogeochemical changes in the environment (co-listed), Room 9, 08:30–12:00
MO2 , 10:30–12:00	BG1.4 , Frontiers in geobiology: New insights and developments in microbial mineralization processes, biosignatures and chemical imaging, Room 24, 08:30–12:00
	BG2.14 , Peatlands and the Carbon Cycle, Room 23, 08:30–12:00
	NH10.4/BG2.18/GM4.4/SSS1.12 , Mitigating against natural hazards: Biological contribution to sustainable soil bioengineering in a changing world (co-organized), Room 2, 10:30–12:00
	SSS1.3 , Molecular proxies for studying biogeochemical changes in the environment (co-listed), Room 9, 08:30–12:00
MO3 , 13:30–15:00	BG1.5 , Remote Sensing in the Biogeosciences, Room 24, 13:30–17:00
	BG1.6/OS3.7/SSS4.6 , Stabilization of organic matter in soils, sediments and marine dissolved organic matter (co-organized), Room 23, 13:30–17:00
	IG1/BG1.12/SSP2.3 , Stable Isotopes in Geosciences - Open Session, Including Blocks of Special Attention (co-organized), Room 41, 13:30–15:00
MO4 , 15:30–17:00	BG1.5 , Remote Sensing in the Biogeosciences, Room 24, 13:30–17:00
	BG1.6/OS3.7/SSS4.6 , Stabilization of organic matter in soils, sediments and marine dissolved organic matter (co-organized), Room 23, 13:30–17:00

Tuesday, 05 April

TU1 , 08:30–10:00	BG1.2/IG17 , Application of stable isotopes in biogeosciences (co-sponsored by EAG) (co-organized), Room 23, 08:30–12:00
	BG2.1 , Tropical ecosystem function and Response to Environmental Change (co-sponsored by the Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS)), Room 24, 08:30–12:15
	CL2.14 , Climate Change and Forest Health, Growth, and Dynamics (co-listed), Room 25, 08:30–10:00
	OS3.1 , IMBER/SOLAS special session. Sensitivity of marine ecosystems and biogeochemical cycles to global change (co-listed), Room 11, 08:30–17:00
TU2 , 10:30–12:00	BG1.2/IG17 , Application of stable isotopes in biogeosciences (co-sponsored by EAG) (co-organized), Room 23, 08:30–12:00
	BG2.1 , Tropical ecosystem function and Response to Environmental Change (co-sponsored by the Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS)), Room 24, 08:30–12:15

	NH7.2/AS4.14/BG2.17 , Fire in the Earth System: Impacts and Feedbacks (co-organized), Room 2, 10:30–12:00
TU3, 13:30–15:00	BG1.7 , Earth Observation and modeling for land-atmosphere interactions and vegetation science (co-sponsored by the Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS) and ESA), Room 24, 13:30–17:00
	BG2.12 , Biogeochemistry of wetlands, lakes and marine environments, Room 23, 13:30–17:00
	HS2.10 , Hydrological change: Ecological development, landscape evolution and hydrological response (co-listed), Room 36, 13:30–15:00
	IG13/BG2.15/SSS6.2 , Isotope techniques for understanding wetlands and agricultural catchments (co-organized), Room 41, 13:30–17:00
	NH7.3/ESS122/SSS1.9 , Spatial and temporal patterns of wildfires: models, theory, and reality (co-listed), Room 2, 13:30–17:00
	OS3.1 , IMBER/SOLAS special session. Sensitivity of marine ecosystems and biogeochemical cycles to global change (co-listed), Room 11, 08:30–17:00
TU4, 15:30–17:00	BG1.7 , Earth Observation and modeling for land-atmosphere interactions and vegetation science (co-sponsored by the Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS) and ESA), Room 24, 13:30–17:00
	BG2.12 , Biogeochemistry of wetlands, lakes and marine environments, Room 23, 13:30–17:00
	CL1.19 , Ocean climate viewed through deep-sea corals (co-listed), Room 13, 15:30–17:00
	IG13/BG2.15/SSS6.2 , Isotope techniques for understanding wetlands and agricultural catchments (co-organized), Room 41, 13:30–17:00
	NH7.3/ESS122/SSS1.9 , Spatial and temporal patterns of wildfires: models, theory, and reality (co-listed), Room 2, 13:30–17:00
	OS3.1 , IMBER/SOLAS special session. Sensitivity of marine ecosystems and biogeochemical cycles to global change (co-listed), Room 11, 08:30–17:00
Wednesday, 06 April	
WE1, 08:30–10:00	BG2.3/EG4 , The climate response of Mediterranean vegetation: lessons for a warming Europe? (co-organized), Room 24, 08:30–10:00
	BG2.9 , Biogeochemistry and ecohydrology of arid and semi-arid ecosystems, Room 23, 08:30–10:00
	GM4.1 , Critical Zone Processes across Environmental Gradients (co-listed), Room 21, 08:30–10:00
	IG5/BG1.11/CL4.13/GMPV40/SSP4.5 , Stable isotopes as tool in (paleo-)climate studies (co-organized), Room 41, 08:30–12:00
WE2, 10:30–12:00	BG2.5 , Interacting Biogeochemical Cycles: Linking Carbon, Water and Nutrient Fluxes from Organisms to Globe, Room 24, 10:30–15:00
	BG3.1 , Ocean acidification and its impact on marine ecosystems in the context of climate change (including Vladimir Ivanovich Vernadsky Medal Lecture), Room 23, 10:30–16:00
	GM4.2/GMPV52/HS12.2/SSS2.15 , Erosion and Terrestrial Carbon Cycling (co-listed), Room 21, 10:30–12:00
	IG5/BG1.11/CL4.13/GMPV40/SSP4.5 , Stable isotopes as tool in (paleo-)climate studies (co-organized), Room 41, 08:30–12:00
WE3, 13:30–15:00	BG2.5 , Interacting Biogeochemical Cycles: Linking Carbon, Water and Nutrient Fluxes from Organisms to Globe, Room 24, 10:30–15:00
	BG3.1 , Ocean acidification and its impact on marine ecosystems in the context of climate change (including Vladimir Ivanovich Vernadsky Medal Lecture), Room 23, 10:30–16:00

	EOS04 , Contemporary Education in a Changing World (co-listed), Room 29, 13:30–17:00
	GM4.3 , Process geomorphology and ecosystems – disturbance regimes and interactions (co-listed), Room 21, 13:30–15:00
	SSS4.1/BG2.19 , Soil organic carbon (SOC) dynamics at different spatial scales (co-organized), Room 9, 13:30–17:00
	TS5.4/BG3.8/SSP2.5 , Natural gas seepage and focused fluid flow on continental margins (co-organized), Room 26, 13:30–15:00
WE4 , 15:30–17:00	BG3.1 , Ocean acidification and its impact on marine ecosystems in the context of climate change (including Vladimir Ivanovich Vernadsky Medal Lecture), Room 23, 10:30–16:00
	EOS04 , Contemporary Education in a Changing World (co-listed), Room 29, 13:30–17:00
	GI-14 , GMES Sentinel Satellites: New Possibilities for Science (co-listed), Room 24, 15:30–17:15
	SSS4.1/BG2.19 , Soil organic carbon (SOC) dynamics at different spatial scales (co-organized), Room 9, 13:30–17:00
Thursday, 07 April	
TH1 , 08:30–10:00	BG5.1 , Integration of Environmental, Socio-Economic and Climatic Change Studies in Northern Eurasia, Room 23, 08:30–12:00
	BG6.1 , Marine and Terrestrial proxies: development and reconstructions., Room 24, 08:30–12:00
	EOS06/BG1.14/CL5.1/ERE5.4 , Modern Climate Science Education and Communications (co-organized), Room 29, 08:30–10:00
	NP3.8/SSS5.7 , Scaling, Nonlinearity, and Complexity in soils and surface hydrology (co-listed), Room 13, 08:30–12:00
TH2 , 10:30–12:00	BG5.1 , Integration of Environmental, Socio-Economic and Climatic Change Studies in Northern Eurasia, Room 23, 08:30–12:00
	BG6.1 , Marine and Terrestrial proxies: development and reconstructions., Room 24, 08:30–12:00
	NH8.1/BG1.13/SSS1.10 , Heavy-metal contamination of the environment (co-organized), Room 2, 10:30–12:00
	NP3.8/SSS5.7 , Scaling, Nonlinearity, and Complexity in soils and surface hydrology (co-listed), Room 13, 08:30–12:00
	OS4.4 , Physical and biogeochemical ocean modelling: development, assessment, and applications (co-listed), Room 6, 10:30–17:00
TH3 , 13:30–15:00	BG1.3/IG18 , Application of non-traditional stable isotopes in biogeosciences (co-sponsored by THERMO) (co-organized), Room 23, 13:30–15:00
	BG3.2 , Oxygen depletion in land-locked, coastal and open ocean systems of the present and past – driving mechanisms, impacts and recovery, Room 24, 13:30–17:30
	HS8.3.5 , Trace gases emissions from soils: Sources, mechanisms and process rates (co-listed), Room 34, 13:30–17:15
	OS4.4 , Physical and biogeochemical ocean modelling: development, assessment, and applications (co-listed), Room 6, 10:30–17:00
TH4 , 15:30–17:00	BG2.10 , Biosphere-Atmosphere Interactions: From biogenic primary exchange to atmospheric fluxes of reactive trace gases, Room 23, 15:30–17:00
	BG3.2 , Oxygen depletion in land-locked, coastal and open ocean systems of the present and past – driving mechanisms, impacts and recovery, Room 24, 13:30–17:30
	HS8.3.5 , Trace gases emissions from soils: Sources, mechanisms and process rates (co-listed), Room 34, 13:30–17:15

	OS4.4 , Physical and biogeochemical ocean modelling: development, assessment, and applications (co-listed), Room 6, 10:30–17:00
Friday, 08 April	
FR1 , 08:30–10:00	BG2.13 , Cropland green house gas (GHG) fluxes and related uncertainties, Room 23, 08:30–10:00
	BG7.3 , Biogeochemical function and diversity of chemosynthetic deep sea ecosystems, Room 24, 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
FR2 , 10:30–12:00	BG3.4 , Biogeochemistry of coastal seas and continental shelves - including Biogeochemistry during the International Polar Year 2007-2008, Room 23, 10:30–15:00
	BG7.3 , Biogeochemical function and diversity of chemosynthetic deep sea ecosystems, Room 24, 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
FR3 , 13:30–15:00	BG3.3 , The role of extreme events in organic matter cycling, Room 17, 13:30–14:45
	BG3.4 , Biogeochemistry of coastal seas and continental shelves - including Biogeochemistry during the International Polar Year 2007-2008, Room 23, 10:30–15:00
	BG7.4/SSP3.6 , Methane and gas hydrates in marine and terrestrial environments: sources, sinks and ecosystems (co-organized), Room 24, 13:30–17:15
FR4 , 15:30–17:00	BG2.7 , A plant's perspective of extremes: Plant and ecosystem responses to changing climatic variability, Room 23, 15:30–17:15
	BG7.4/SSP3.6 , Methane and gas hydrates in marine and terrestrial environments: sources, sinks and ecosystems (co-organized), Room 24, 13:30–17:15

BG – Biogeosciences – Poster Sessions**Monday, 04 April**

MO5 , 17:30–19:00	BG1.4 , Frontiers in geobiology: New insights and developments in microbial mineralization processes, biosignatures and chemical imaging, Poster Area BG, BG1–BG19
	BG1.5 , Remote Sensing in the Biogeosciences, Poster Area BG, BG20–BG38
	BG1.6/OS3.7/SSS4.6 , Stabilization of organic matter in soils, sediments and marine dissolved organic matter (co-organized), Poster Area BG, BG39–BG56
	BG1.9 , Improving Ecohydrological Modeling Across Multiple Scales, Poster Area BG, BG57–BG62
	BG1.10 , Scale Issues in Biogeosciences and Earth System Dynamics, Poster Area BG, BG63–BG65
	BG2.14 , Peatlands and the Carbon Cycle, Poster Area BG, BG66–BG83
	IG1/BG1.12/SSP2.3 , Stable Isotopes in Geosciences - Open Session, Including Blocks of Special Attention (co-organized), Hall A, A468–A483
	NH10.4/BG2.18/GM4.4/SSS1.12 , Mitigating against natural hazards: Biological contribution to sustainable soil bioengineering in a changing world (co-organized), Halls X/Y, XY513–XY523
	SSS1.3 , Molecular proxies for studying biogeochemical changes in the environment (co-listed), Hall Z, Z39–Z57

Tuesday, 05 April

TU4 , 15:30–17:00	ESSI7 , Earth System Modeling: Strategies and Software (co-listed), Hall XL, XL159–XL169
TU5 , 17:30–19:00	BG1.2/IG17 , Application of stable isotopes in biogeosciences (co-sponsored by EAG) (co-organized), Poster Area BG, BG1–BG28
	BG1.7 , Earth Observation and modeling for land-atmosphere interactions and vegetation science (co-sponsored by the Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS) and ESA), Poster Area BG, BG29–BG46
	BG2.1 , Tropical ecosystem function and Response to Environmental Change (co-sponsored by the Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS)), Poster Area BG, BG47–BG70
	BG2.12 , Biogeochemistry of wetlands, lakes and marine environments, Poster Area BG, BG71–BG90
	CL1.19 , Ocean climate viewed through deep-sea corals (co-listed), Halls X/Y, XY230–XY241
	CL2.14 , Climate Change and Forest Health, Growth, and Dynamics (co-listed), Halls X/Y, XY288–XY297
	HS2.10 , Hydrological change: Ecological development, landscape evolution and hydrological response (co-listed), Hall A, A220–A238
	IG13/BG2.15/SSS6.2 , Isotope techniques for understanding wetlands and agricultural catchments (co-organized), Hall A, A497–A512
	NH7.2/AS4.14/BG2.17 , Fire in the Earth System: Impacts and Feedbacks (co-organized), Halls X/Y, XY574–XY583
	NH7.3/ESSI22/SSS1.9 , Spatial and temporal patterns of wildfires: models, theory, and reality (co-listed), Halls X/Y, XY584–XY611

Wednesday, 06 April

WE4 , 15:30–17:00	OS3.1 , IMBER/SOLAS special session. Sensitivity of marine ecosystems and biogeochemical cycles to global change (co-listed), Halls X/Y, XY575–XY596
WE5 , 17:30–19:00	BG1.1 , Open session on Biogeosciences (Posters only), Poster Area BG, BG1–BG15
	BG2.3/EG4 , The climate response of Mediterranean vegetation: lessons for a warming Europe? (co-organized), Poster Area BG, BG16–BG29
	BG2.5 , Interacting Biogeochemical Cycles: Linking Carbon, Water and Nutrient Fluxes from Organisms to Globe, Poster Area BG, BG30–BG54
	BG2.9 , Biogeochemistry and ecohydrology of arid and semi-arid ecosystems, Poster Area BG, BG55–BG66
	BG3.1 , Ocean acidification and its impact on marine ecosystems in the context of climate change (including Vladimir Ivanovich Vernadsky Medal Lecture), Poster Area BG, BG67–BG89
	EOS04 , Contemporary Education in a Changing World (co-listed), Hall XL, XL1–XL16
	GI-14 , GMES Sentinel Satellites: New Possibilities for Science (co-listed), Hall A, A105–A111
	GM4.1 , Critical Zone Processes across Environmental Gradients (co-listed), Hall A, A112–A128
	GM4.2/GMPV52/HS12.2/SSS2.15 , Erosion and Terrestrial Carbon Cycling (co-listed), Hall A, A129–A143
	GM4.3 , Process geomorphology and ecosystems – disturbance regimes and interactions (co-listed), Hall A, A144–A155
	IG5/BG1.11/CL4.13/GMPV40/SSP4.5 , Stable isotopes as tool in (paleo-)climate studies (co-organized), Hall A, A446–A473
	SSS4.1/BG2.19 , Soil organic carbon (SOC) dynamics at different spatial scales (co-organized), Hall Z, Z103–Z120
TS5.4/BG3.8/SSP2.5 , Natural gas seepage and focused fluid flow on continental margins (co-organized), Hall XL, XL273–XL288	
Thursday, 07 April	
TH4 , 15:30–17:00	NP3.8/SSS5.7 , Scaling, Nonlinearity, and Complexity in soils and surface hydrology (co-listed), Halls X/Y, XY550–XY576
TH5 , 17:30–19:00	BG3.2 , Oxygen depletion in land-locked, coastal and open ocean systems of the present and past – driving mechanisms, impacts and recovery, Poster Area BG, BG1–BG36
	BG6.1 , Marine and Terrestrial proxies: development and reconstructions., Poster Area BG, BG37–BG58
	BG7.3 , Biogeochemical function and diversity of chemosynthetic deep sea ecosystems, Poster Area BG, BG59–BG76
	BG7.4/SSP3.6 , Methane and gas hydrates in marine and terrestrial environments: sources, sinks and ecosystems (co-organized), Poster Area BG, BG77–BG101
	EOS06/BG1.14/CL5.1/ERE5.4 , Modern Climate Science Education and Communications (co-organized), Hall Z, Z1–Z10
	GD1.1/BG8.3/GMPV44/TS1.3 , Early Earth: from deep dynamics to surface life (co-organized), Hall A, A40–A48
	HS8.3.5 , Trace gases emissions from soils: Sources, mechanisms and process rates (co-listed), Hall A, A360–A382
	NH8.1/BG1.13/SSS1.10 , Heavy-metal contamination of the environment (co-organized), Halls X/Y, XY481–XY506
SSS1.5 , Stability and Functions of Mountain Soils (co-listed), Halls X/Y, XY721–XY732	

Friday, 08 April

FR2, 10:30–12:00	BG2.10 , Biosphere-Atmosphere Interactions: From biogenic primary exchange to atmospheric fluxes of reactive trace gases, Poster Area BG, BG31–BG45
	BG2.13 , Cropland green house gas (GHG) fluxes and related uncertainties, Poster Area BG, BG46–BG60
	BG5.1 , Integration of Environmental, Socio-Economic and Climatic Change Studies in Northern Eurasia, Poster Area BG, BG89–BG111
	OS4.4 , Physical and biogeochemical ocean modelling: development, assessment, and applications (co-listed), Halls X/Y, XY424–XY449
FR3, 13:30–15:00	BG2.7 , A plant's perspective of extremes: Plant and ecosystem responses to changing climatic variability, Poster Area BG, BG15–BG30
FR4, 15:30–17:00	BG1.3/IG18 , Application of non-traditional stable isotopes in biogeosciences (co-sponsored by THERMO) (co-organized), Poster Area BG, BG1–BG14
	BG3.3 , The role of extreme events in organic matter cycling, Poster Area BG, BG61–BG65
	BG3.4 , Biogeochemistry of coastal seas and continental shelves - including Biogeochemistry during the International Polar Year 2007-2008, Poster Area BG, BG66–BG88