

EGU 2010 – Biogeosciences (BG)

O: Oral Presentation (Lecture Room) / P: Poster Presentation (First Poster Board)

TB: 1: 08:30–10:00 / 2: 10:30–12:00 / 3: 13:30–15:00 / 4: 15:30–17:00 / 5: 17:30–19:00 / 6: 19:00–20:00

Division Business Meeting: Th, 12:15–13:15, Room 23

Session	Title	TB	Mo	Tu	We	Th	Fr
ML6	Vladimir Ivanovich Vernadsky Medal Lecture by Donald Canfield	1					
		2					
		3					
		4				O (23)	
		5					
BG1 – General Biogeosciences							
BG1.1	Application of stable isotopes in biogeosciences (co-sponsored by EAG)	1			O (23)		
		2			O (23)		
		3					
		4					
		5			P (BG1)		
BG1.3	Urbanisation process, its dynamics and complex interactions of urban land with the Biosphere and the water cycle	1					
		2					
		3					
		4					
		5				P (BG1)	
NH8.1/BG1.4/SSS42	Heavy-metal contamination of water, air, soil, and foodcrops	1					
		2					
		3					P (XY470)
		4					P (XY489)
		5					
BG2 – Terrestrial Biogeosciences							
BG2.1	Biotic interactions and biogeochemical processes (co-sponsored by iLEAPS)	1			O (24)		
		2			O (24)		
		3					
		4					
		5			P (BG24)		
BG2.2/AS4.16	Biosphere-Atmosphere Interactions: From biogenic primary exchange to atmospheric fluxes of reactive trace gases (co-sponsored by iLEAPS)	1					
		2					
		3				O (24)	
		4					
		5				P (BG9)	
BG2.3/AS4.17	Biosphere-atmosphere interactions: Trends and spatio-temporal variability in biogeochemical surface fluxes	1					
		2					
		3			O (24)		
		4			O (24)		
		5			P (BG43)		
BG2.5/AS4.18	Biosphere-Atmosphere interactions: Improving measurements and models of soil respiration and its components (co-sponsored by iLEAPS)	1				O (24)	
		2				O (24)	
		3					
		4					
		5				P (BG27)	
BG2.6	Understanding the impacts of hydrological changes on terrestrial ecosystems: new results from large-scale water manipulation experiments across different biomes	1					O (24)
		2					
		3					P (BG1)
		4					
		5					
BG2.7	Drought stress - From organisms to ecosystems	1					
		2					O (24)
		3					P (BG19)
		4					
		5					
BG2.8	The remote sensing signal of terrestrial ecosystems. Biogeophysical parameters, modelling, data assimilation and atmospheric interactions.	1		O (24)			
		2		O (24)			
		3					
		4					
		5			P (BG64)		
BG2.9/AS4.20	Biosphere-Atmosphere interactions: Carbon and water cycles at multiple spatial and temporal scales (co-sponsored by iLEAPS)	1					
		2					
		3		O (24)			
		4		O (24)			
		5		P (BG1)			

Session	Title	TB	Mo	Tu	We	Th	Fr
BG2.11	Biogeochemistry and ecohydrology of arid and semi-arid ecosystems	1					
		2					
		3			O (23)		
		4					
		5			P (BG85)		
BG2.12	Stabilization of organic matter in soils, sediments and marine dissolved organic matter	1					
		2					
		3					
		4	O (24)				
		5		P (BG29)			
BG2.13	Denitrification in terrestrial and aquatic ecosystems - advances in quantification, controlling factors and process-based modelling	1					
		2					
		3					
		4			O (23)		
		5			P (BG100)		
BG2.14	Peatlands and the carbon cycle	1	O (24)				
		2	O (24)				
		3	P (BG1)				
		4					
		5					
BG2.17	Biogeochemistry of Arctic land-ocean interface	1					
		2					
		3	O (24)				
		4					
		5	P (BG23)				
NH7.3/AS3.20/BG2.18/CL4.17	Fire in the Earth System: Impacts and Feedbacks	1					
		2	O (4)				
		3	O (4)				
		4					
		5	P (XY627)				
BG2.19	Biogeochemistry of soils affected by alternating redox conditions	1					
		2					P (BG34)
		3					O (24)
		4					
		5					
BG2.20	Greenhouse gas budget of soils under changing land use	1					
		2					
		3					
		4					P (BG47)
		5					O (24)
IG4	Tree ring and isotopes, a multi proxy matrix reflecting environmental impacts	1					
		2		O (42)			
		3					
		4					
		5		P (A355)			
BG3 – Marine Biogeosciences							
BG3.1	Biogeochemistry of coastal seas and continental shelves - including Biogeochemistry during the International Polar Year (IPY)	1					
		2					
		3		O (23)			
		4		O (23)			
		5		P (BG40)			
BG3.2/ERE4.2/GMPV56/TS5.6	Fluid flow in continental margins	1				O (23)	
		2				O (23)	
		3					
		4					
		5				P (BG53)	
BG3.3	Biogeochemical cycling in modern and ancient earth systems	1					
		2					
		3				O (23)	
		4				O (23)	
		5				P (BG68)	
SSP1.6/BG3.4	An interdisciplinary approach to Oceanic Anoxic Events – data, models, and modern “analogues” (co-sponsored by IAS)	1					
		2					
		3	O (41)				
		4	O (41)				
		5	P (A449)				
OS3	Understanding biogeochemical-physical interactions (SOLAS/IMBER) and physical oceanographic controls on marine species	1					
		2					
		3			O (6)		
		4			O (6)		
		5			P (Z180)		
OS5	The North Atlantic and its role for climate, sea level change, and anthropogenic carbon	1	O (6)				
		2	O (6)				
		3					
		4					
		5	P (XL182)				
OS16	Ocean Margin Processes	1				O (2)	
		2					
		3					P (Z31)
		4					
		5					

Session	Title	TB	Mo	Tu	We	Th	Fr
OS17	Dense water cascades and overflows: physical, geological, chemical and biological related processes	1					
		2				O (2)	
		3					P (Z41)
		4					
		5					
BG5 – Earth System Science							
BG5.1	Environmental, socio-economic and climatic changes in Northern Eurasia and their feedbacks to the Global Earth System	1		O (23)			
		2		O (23)			
		3		P (BG66)			
		4					
		5					
CL1.10	Quaternary carbon cycle mysteries: the known knowns, known unknowns, and unknown unknowns of glacial CO2 (including Milutin Milankovic Medal Lecture)	1					
		2					
		3		O (15)			
		4		O (15)			
		5		P (XY201)			
BG6 – Palaeo Biogeosciences							
BG6.1	Marine calcifiers: biomineralization, ecology and geochemistry	1	O (23)				
		2					
		3	P (BG44)				
		4					
		5					
BG6.2	Natural and anthropogenic environmental change as evidenced in high-resolution continental archives	1					
		2					
		3	O (23)				
		4	O (23)				
		5	P (BG61)				
BG6.3	Water isotopes in hydrological processes	1					
		2	O (23)				
		3					
		4	P (BG96)				
		5					
SSP4.2	Deep time terrestrial ecosystems (co-sponsored by PalAss)	1		O (41)			
		2					
		3					
		4					
		5		P (A436)			
SSP4.5	Microbes and microbial mats signatures and the sedimentary record (co-sponsored by IAS)	1					
		2					
		3					
		4					P (A331)
		5					
SSP4.6	Cenozoic and Mesozoic climate: forcing factors and feedbacks between biosphere and geosphere (co-sponsored by IAS)	1	O (41)				
		2	O (41)				
		3					
		4					
		5	P (A471)				
BG7 – Geomicrobiology and Extreme Environments							
BG7.1	Submarine gas hydrates: physicochemical behavior, fluid geochemistry, and biogeochemical processes	1					O (23)
		2					
		3					
		4					P (BG60)
		5					
BG7.2	Methane in marine and terrestrial environments: fluxes, sinks, interactions between element cycles and ecosystems	1					
		2					O (23)
		3					
		4					P (BG71)
		5					
BG7.3/ERE3.2	Microbiology and geochemistry of oil, coal and shale gas reservoirs - from laboratory to reservoir scales	1					
		2					
		3					O (23)
		4					P (BG90)
		5					

Session	Title	TB	Mo	Tu	We	Th	Fr
BG8 – Astrobiology and Early Evolution of Life							
GD1.3/BG8.1/GMPV58/ MPRG24/SSP1.8	Early Earth: from deep dynamics to surface life	1					
		2					
		3					
		4		O (31)			
		5		P (A1)			
PS8.0/BG8.2	Habitability in the Solar System: Mars, early Earth, and the outer Solar System	1					
		2					P (XL267)
		3					P (XL276)
		4					O (22)
		5					
BG9 – Co-listed sessions							
NP3.9/SSS44	Complexity and nonlinearity in soils	1					
		2					
		3					
		4			O (17)		
		5			P (XY603)		
CL1.2	Cenozoic Biosphere-Climate Interaction: Proxies and Modelling	1				O (16)	
		2					
		3					
		4					
		5					P (XY205)
SSS38	Soil organic carbon dynamics at the regional scale	1					
		2	O (8)				
		3					
		4					
		5	P (XY761)				
SSS40	The molecular biogeochemical fate of terrestrial organic carbon	1					
		2					
		3	O (1)				
		4					
		5	P (XY779)				