

EGU 2010 – Soil System Sciences (SSS)

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 8

Session	Title	TB	Mo	Tu	We	Th	Fr
ML27	Philippe Duchaufour Medal Lecture by Georges Stoops	1					
		2					
		3			O (8)		
		4					
		5					
SSS1	Rainfall simulation as a tool for soil erosion and soil hydrology studies	1			O (1)		
		2			O (1)		
		3			O (1)		
		4					
		5			P (XY679)		
SSS2	Vegetation and Erosion	1	O (1)				
		2	O (1)				
		3					
		4					
		5	P (XY699)				
SSS3	Stability and Functions of Mountain Soils	1				O (1)	
		2					
		3					
		4					
		5				P (Z192)	
SSS4	Management of freshwater scarcity in agriculture and its impact on irrigated soils	1					
		2					
		3					
		4					
		5	P (XY717)				
SSS5	The impact of soil degradation on soil functioning	1					O (8)
		2					O (8)
		3					P (XY668)
		4					
		5					
SSS6	Urban Soils	1					
		2					
		3	O (8)				
		4	O (8)				
		5	P (XY728)				
SSS7	Soil erosion and climate change	1					
		2					
		3					
		4			O (1)		
		5			P (XY720)		
SSS11	Digital soil mapping: novel approaches (including geophysical measurements) to the prediction of key soil properties for modelling physical processes	1		O (8)			
		2		O (8)			
		3					
		4					
		5		P (Z167)			
SSS12	Soil water repellency: origin, measurement, effects and synergies with man-made materials	1					
		2					
		3		O (8)			
		4		O (8)			
		5		P (Z191)			
SSS13	Soil quality and climate change	1					
		2					
		3					O (8)
		4					P (XY689)
		5					
SSS16	Climate change, intensified soil use and possible impacts on soil functioning: A challenge to improve soil management	1				O (8)	
		2					
		3					
		4					
		5				P (Z209)	
SSS17	Dehydrated and rewetted peatlands: hydrological, physical and chemical changes	1			O (8)		
		2			O (8)		
		3					
		4					
		5			P (XY739)		
SSS18	Experimental methods on soil erosion research	1		O (1)			
		2		O (1)			
		3					
		4					
		5		P (Z222)			

Session	Title	TB	Mo	Tu	We	Th	Fr
SSS20	Postfire hydrology and erosion processes: linking impacts across spatial and temporal scales	1				O (8)	
		2					
		3					
		4					
		5				P (Z224)	
SSS21	Magnetic resonance: new understandings and applications in soil and environmental science	1					
		2					
		3				O (8)	
		4					
		5				P (Z243)	
SSS23	Soil Organic Matter: structures, functions, management strategies, and C cycle	1					O (1)
		2					O (1)
		3					P (XY707)
		4					
		5					
SSS24	Dryland plants: their effects as 'ecosystem engineers' and "infiltration managers"	1					
		2					
		3					P (XY737)
		4					O (8)
		5					
SSS29	Applications of preferential flow	1					
		2					
		3			O (2)		
		4					
		5				P (Z260)	
SSS30	Archaeopedology and Archaeological Soil Micromorphology	1					
		2					
		3					
		4				O (8)	
		5				P (Z272)	
SSS31	From rock to soil and back to rock (including Philippe Duchaufour Medal Lecture)	1					
		2					
		3			O (8)		
		4			O (8)		
		5			P (XY758)		
SSS33	Deep soil organic matter derived from rhizodeposition, leaching water and bioturbation - a relevant component in biogeochemical cycles ?	1	O (8)				
		2					
		3					
		4					
		5	P (XY744)				
SSS34	Phosphorus biogeochemistry in soils and waters: implications and constrains for sustainable development	1					
		2					
		3					
		4					
		5			P (XY768)		
HS1.2/SSS35	Soil physics and unsaturated zone hydrology: Joint visions for progress in subsurface geosciences	1					O (33)
		2					O (33)
		3					P (A58)
		4					
		5					
GM4.3/SSS37	Erosion, land degradation and terrestrial carbon cycling	1	O (21)				
		2	O (21)				
		3					
		4					
		5	P (A59)				
SSS38	Soil organic carbon dynamics at the regional scale	1					
		2	O (8)				
		3					
		4					
		5	P (XY761)				
SSS39	Pollution and reclamation of mining site soils	1					
		2					
		3		O (1)			
		4		O (1)			
		5		P (Z245)			
SSS40	The molecular biogeochemical fate of terrestrial organic carbon	1					
		2					
		3	O (1)				
		4					
		5	P (XY779)				
NH8.1/BG1.4/SSS42	Heavy-metal contamination of water, air, soil, and foodcrops	1					
		2					
		3					P (XY470)
		4					P (XY489)
		5					
GMPV39/GM4.4/SSS43	Chemistry and physics of the Earth's surface system: from reactive transport to monitoring of the 'critical zone'	1					
		2					P (XL163)
		3					
		4				O (25)	
		5					
NP3.9/SSS44	Complexity and nonlinearity in soils	1					
		2					
		3					
		4			O (17)		
		5			P (XY603)		

Session	Title	TB	Mo	Tu	We	Th	Fr
SSS45/EOS10	New, original and successful ideas for teaching Earth Sciences	1					P (XY759)
		2					
		3					O (1)
		4					O (1)
		5					
HS2.3/SSS47	Modelling erosion: from hillslope soil erosion to fluvial export, can we gain from each other?	1				O (34)	
		2					
		3					
		4					
		5				P (A76)	
NH7.2/ESSI19/SSS49	Spatial and temporal patterns of wildfires: models, theory, and reality	1		O (10)			
		2		O (10)			
		3					
		4					
		5		P (XY614)			
GM6.1	Process geomorphology and ecosystems - disturbance regimes and interactions	1					
		2					
		3	O (21)				
		4					
		5	P (A77)				
MPRG7	Climatic and environmental magnetic (paleo-)signatures in waters, ice, soils, and sediments	1					
		2					
		3					
		4					
		5	P (A332)				
HS4.21	Imprints of physical, chemical and biological patterns in the pioneering phase of catchments	1	O (34)				
		2					
		3					
		4					
		5	P (A225)				