

**SSS – Soil System Sciences – Oral Sessions****Monday, 04 April**

<b>MO1</b> , 08:30–10:00	<b>SSS1.3</b> , Molecular proxies for studying biogeochemical changes in the environment, <b>Room 9, 08:30–12:00</b>
	<b>SSS5.6</b> , Digital soil mapping: novel approaches (including geophysical measurements, micromorphology) to the prediction of key soil properties for modelling physical processes, <b>Room 22, 08:30–12:00</b>
<b>MO2</b> , 10:30–12:00	<b>NH10.4/BG2.18/GM4.4/SSS1.12</b> , Mitigating against natural hazards: Biological contribution to sustainable soil bioengineering in a changing world (co-organized), <b>Room 2, 10:30–12:00</b>
	<b>SSS1.3</b> , Molecular proxies for studying biogeochemical changes in the environment, <b>Room 9, 08:30–12:00</b>
	<b>SSS5.6</b> , Digital soil mapping: novel approaches (including geophysical measurements, micromorphology) to the prediction of key soil properties for modelling physical processes, <b>Room 22, 08:30–12:00</b>
<b>MO3</b> , 13:30–15:00	<b>BG1.6/OS3.7/SSS4.6</b> , Stabilization of organic matter in soils, sediments and marine dissolved organic matter (co-organized), <b>Room 23, 13:30–17:00</b>
	<b>SSS2.6/HS12.12/NP3.12</b> , Sediment dynamics, models and scaling (co-organized), <b>Room 9, 13:30–17:00</b>
	<b>SSS3.3</b> , Phytoremediation of polluted soils, <b>Room 22, 13:30–17:00</b>
<b>MO4</b> , 15:30–17:00	<b>BG1.6/OS3.7/SSS4.6</b> , Stabilization of organic matter in soils, sediments and marine dissolved organic matter (co-organized), <b>Room 23, 13:30–17:00</b>
	<b>SSS2.6/HS12.12/NP3.12</b> , Sediment dynamics, models and scaling (co-organized), <b>Room 9, 13:30–17:00</b>
	<b>SSS3.3</b> , Phytoremediation of polluted soils, <b>Room 22, 13:30–17:00</b>

**Tuesday, 05 April**

<b>TU1</b> , 08:30–10:00	<b>HS8.3.2</b> , Monitoring and modelling for transfer processes in the soil-plant-atmosphere continuum (co-listed), <b>Room 34, 08:30–12:00</b>
	<b>SSS2.5</b> , Soil and irrigation sustainability practices, <b>Room 9, 08:30–10:00</b>
	<b>SSS4.3</b> , Molecular carbon cycling in the environment and implications on humus bioactivity and global changes, <b>Room 6, 08:30–15:00</b>
<b>TU2</b> , 10:30–12:00	<b>HS8.3.2</b> , Monitoring and modelling for transfer processes in the soil-plant-atmosphere continuum (co-listed), <b>Room 34, 08:30–12:00</b>
	<b>SSS1.6</b> , Sustaining soil for human health, <b>Room 9, 10:30–12:00</b>
	<b>SSS4.3</b> , Molecular carbon cycling in the environment and implications on humus bioactivity and global changes, <b>Room 6, 08:30–15:00</b>
<b>TU3</b> , 13:30–15:00	<b>HS2.10</b> , Hydrological change: Ecological development, landscape evolution and hydrological response (co-listed), <b>Room 36, 13:30–15:00</b>
	<b>HS8.3.7</b> , Unsaturated zone flow and transport processes: from science to soil and water management (co-listed), <b>Room 34, 13:30–17:00</b>
	<b>IG13/BG2.15/SSS6.2</b> , Isotope techniques for understanding wetlands and agricultural catchments (co-organized), <b>Room 41, 13:30–17:00</b>
	<b>NH7.3/ESS122/SSS1.9</b> , Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), <b>Room 2, 13:30–17:00</b>

	<b>SSS4.3</b> , Molecular carbon cycling in the environment and implications on humus bioactivity and global changes, <b>Room 9, 08:30–15:00</b>
<b>TU4</b> , 15:30–17:00	<b>GD3.3/TS10.3</b> , Neoproterozoic basins and orogenesis in the circum-North Atlantic region (co-listed), <b>Room 30, 15:30–17:00</b>
	<b>HS8.3.7</b> , Unsaturated zone flow and transport processes: from science to soil and water management (co-listed), <b>Room 34, 13:30–17:00</b>
	<b>IG13/BG2.15/SSS6.2</b> , Isotope techniques for understanding wetlands and agricultural catchments (co-organized), <b>Room 41, 13:30–17:00</b>
	<b>NH7.3/ESSI22/SSS1.9</b> , Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), <b>Room 2, 13:30–17:00</b>
	<b>SSS2.3/GM3.7/HS12.11</b> , Practical application of geomorphology, hydrology and erosion research in agricultural and forest areas. Discovering and implementing frameworks for translating research into sustainable management (co-organized), <b>Room 9, 15:30–17:00</b>
<b>Wednesday, 06 April</b>	
<b>WE1</b> , 08:30–10:00	<b>SM3.6/SSP2.4/SSS5.8/TS4.5</b> , Imaging the shallow subsurface with seismic and GPR methods (co-organized), <b>Room 26, 08:30–10:00</b>
	<b>SSS2.4</b> , Soil water repellency: origin, assessment and geomorphological consequences (including Philippe Duchaufour Medal Lecture), <b>Room 9, 08:30–11:00</b>
<b>WE2</b> , 10:30–12:00	<b>GM4.2/GMPV52/HS12.2/SSS2.15</b> , Erosion and Terrestrial Carbon Cycling (co-organized), <b>Room 21, 10:30–12:00</b>
	<b>SSS2.4</b> , Soil water repellency: origin, assessment and geomorphological consequences (including Philippe Duchaufour Medal Lecture), <b>Room 9, 08:30–11:00</b>
<b>WE3</b> , 13:30–15:00	<b>EOS04</b> , Contemporary Education in a Changing World (co-listed), <b>Room 29, 13:30–17:00</b>
	<b>SSS2.7</b> , Erosion and Ecology, <b>Room 6, 13:30–17:00</b>
	<b>SSS4.1/BG2.19</b> , Soil organic carbon (SOC) dynamics at different spatial scales (co-organized), <b>Room 9, 13:30–17:00</b>
<b>WE4</b> , 15:30–17:00	<b>EOS04</b> , Contemporary Education in a Changing World (co-listed), <b>Room 29, 13:30–17:00</b>
	<b>HS8.3.1</b> , Soil-plant interactions from the rhizosphere to field scale (co-listed), <b>Room 38, 15:30–17:15</b>
	<b>SSS2.7</b> , Erosion and Ecology, <b>Room 6, 13:30–17:00</b>
	<b>SSS4.1/BG2.19</b> , Soil organic carbon (SOC) dynamics at different spatial scales (co-organized), <b>Room 9, 13:30–17:00</b>
<b>Thursday, 07 April</b>	
<b>TH1</b> , 08:30–10:00	<b>NP3.8/SSS5.7</b> , Scaling, Nonlinearity, and Complexity in soils and surface hydrology (co-organized), <b>Room 13, 08:30–12:00</b>
	<b>SSS1.4</b> , Ash in the Environment, <b>Room 6, 08:30–10:00</b>
	<b>SSS1.7</b> , Badlands and badlands processes in relation to regolith, soil, biodiversity and human pressure, <b>Room 9, 08:30–10:00</b>
<b>TH2</b> , 10:30–12:00	<b>NH8.1/BG1.13/SSS1.10</b> , Heavy-metal contamination of the environment (co-organized), <b>Room 2, 10:30–12:00</b>
	<b>NP3.8/SSS5.7</b> , Scaling, Nonlinearity, and Complexity in soils and surface hydrology (co-organized), <b>Room 13, 08:30–12:00</b>
	<b>SSS5.2</b> , Geophysical and Geotechnical Analysis of Soils, <b>Room 9, 10:30–12:00</b>

<b>TH3</b> , 13:30–15:00	<b>HS8.3.5</b> , Trace gases emissions from soils: Sources, mechanisms and process rates (co-listed), <b>Room 34, 13:30–17:15</b>
	<b>SSS6.5</b> , Diffuse reflectance spectroscopy in soil science: new ideas, approaches and strategies, <b>Room 9, 13:30–17:00</b>
<b>TH4</b> , 15:30–17:00	<b>HS8.3.5</b> , Trace gases emissions from soils: Sources, mechanisms and process rates (co-listed), <b>Room 34, 13:30–17:15</b>
	<b>SSS6.5</b> , Diffuse reflectance spectroscopy in soil science: new ideas, approaches and strategies, <b>Room 9, 13:30–17:00</b>
<b>Friday, 08 April</b>	
<b>FR1</b> , 08:30–10:00	<b>HS9.2/GM3.4/SSS2.10</b> , Erosion and sediment delivery in agricultural landscapes: monitoring, modelling and management (co-organized), <b>Room 39, 08:30–12:00</b>
	<b>SSS2.2/EMRP15/GM10.2/PS7.0</b> , Modeling the Experiment, Experimenting the Models (co-organized), <b>Room 9, 08:30–15:00</b>
<b>FR2</b> , 10:30–12:00	<b>HS9.2/GM3.4/SSS2.10</b> , Erosion and sediment delivery in agricultural landscapes: monitoring, modelling and management (co-organized), <b>Room 39, 08:30–12:00</b>
	<b>SSS2.2/EMRP15/GM10.2/PS7.0</b> , Modeling the Experiment, Experimenting the Models (co-organized), <b>Room 9, 08:30–15:00</b>
<b>FR3</b> , 13:30–15:00	<b>SSS2.2/EMRP15/GM10.2/PS7.0</b> , Modeling the Experiment, Experimenting the Models (co-organized), <b>Room 9, 08:30–15:00</b>
	<b>SSS7.1/EOS11</b> , New, original and successful ideas for teaching Earth Sciences / EOS (co-organized), <b>Room 6, 13:30–17:00</b>
<b>FR4</b> , 15:30–17:00	<b>ERE5.1/GMPV32/HS12.1/SSS2.9</b> , Coupled reactive transport: Codes, applications and trends (co-organized), <b>Room 3, 15:30–17:00</b>
	<b>SSS1.2/HS12.13/NP3.11</b> , Wind-driven rain and aeolian sediment transport in environmental studies (co-organized), <b>Room 9, 15:30–17:00</b>
	<b>SSS7.1/EOS11</b> , New, original and successful ideas for teaching Earth Sciences / EOS (co-organized), <b>Room 6, 13:30–17:00</b>

**SSS – Soil System Sciences – Poster Sessions****Monday, 04 April**

<b>MO4</b> , 15:30–17:00	<b>GD3.3/TS10.3</b> , Neoproterozoic basins and orogenesis in the circum-North Atlantic region (co-listed), <b>Hall A, A9–A17</b>
<b>MO5</b> , 17:30–19:00	<b>BG1.6/OS3.7/SSS4.6</b> , Stabilization of organic matter in soils, sediments and marine dissolved organic matter (co-organized), <b>Poster Area BG, BG39–BG56</b>
	<b>NH10.4/BG2.18/GM4.4/SSS1.12</b> , Mitigating against natural hazards: Biological contribution to sustainable soil bioengineering in a changing world (co-organized), <b>Halls X/Y, XY513–XY523</b>
	<b>SSS1.3</b> , Molecular proxies for studying biogeochemical changes in the environment, <b>Hall Z, Z39–Z57</b>
	<b>SSS2.6/HS12.12/NP3.12</b> , Sediment dynamics, models and scaling (co-organized), <b>Hall Z, Z58–Z77</b>
	<b>SSS3.3</b> , Phytoremediation of polluted soils, <b>Hall Z, Z78–Z103</b>
	<b>SSS4.2</b> , Predicting soil N mineralization; relevance of extractable organic matter fractions, <b>Hall Z, Z104–Z111</b>
	<b>SSS5.6</b> , Digital soil mapping: novel approaches (including geophysical measurements, micromorphology) to the prediction of key soil properties for modelling physical processes, <b>Hall Z, Z112–Z137</b>

**Tuesday, 05 April**

<b>TU5</b> , 17:30–19:00	<b>HS2.10</b> , Hydrological change: Ecological development, landscape evolution and hydrological response (co-listed), <b>Hall A, A220–A238</b>
	<b>HS8.3.2</b> , Monitoring and modelling for transfer processes in the soil-plant-atmosphere continuum (co-listed), <b>Hall A, A423–A441</b>
	<b>HS8.3.7</b> , Unsaturated zone flow and transport processes: from science to soil and water management (co-listed), <b>Hall A, A442–A465</b>
	<b>IG13/BG2.15/SSS6.2</b> , Isotope techniques for understanding wetlands and agricultural catchments (co-organized), <b>Hall A, A497–A512</b>
	<b>NH7.3/ESSI22/SSS1.9</b> , Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), <b>Halls X/Y, XY584–XY611</b>
	<b>SSS1.6</b> , Sustaining soil for human health, <b>Hall Z, Z20–Z35</b>
	<b>SSS2.3/GM3.7/HS12.11</b> , Practical application of geomorphology, hydrology and erosion research in agricultural and forest areas. Discovering and implementing frameworks for translating research into sustainable management (co-organized), <b>Hall Z, Z36–Z47</b>
	<b>SSS2.5</b> , Soil and irrigation sustainability practices, <b>Hall Z, Z48–Z62</b>
	<b>SSS4.3</b> , Molecular carbon cycling in the environment and implications on humus bioactivity and global changes, <b>Hall Z, Z63–Z83</b>

**Wednesday, 06 April**

<b>WE5</b> , 17:30–19:00	<b>EOS04</b> , Contemporary Education in a Changing World (co-listed), <b>Hall XL, XL1–XL16</b>
	<b>GM4.2/GMPV52/HS12.2/SSS2.15</b> , Erosion and Terrestrial Carbon Cycling (co-organized), <b>Hall A, A129–A143</b>
	<b>HS8.3.1</b> , Soil-plant interactions from the rhizosphere to field scale (co-listed), <b>Hall A, A373–A390</b>

	<b>SM3.6/SSP2.4/SSS5.8/TS4.5</b> , Imaging the shallow subsurface with seismic and GPR methods (co-organized), <b>Halls X/Y, XY695–XY712</b>
	<b>SSS2.4</b> , Soil water repellency: origin, assessment and geomorphological consequences (including Philippe Duchaufour Medal Lecture), <b>Hall Z, Z42–Z56</b>
	<b>SSS2.7</b> , Erosion and Ecology, <b>Hall Z, Z57–Z76</b>
	<b>SSS2.11/HS12.14</b> , Linking preferential flow and structures across scales: pore to pedon to landscape (co-organized), <b>Hall Z, Z77–Z89</b>
	<b>SSS3.1</b> , Soil pollution, bioremediation, and changing management systems, <b>Hall Z, Z90–Z102</b>
	<b>SSS4.1/BG2.19</b> , Soil organic carbon (SOC) dynamics at different spatial scales (co-organized), <b>Hall Z, Z103–Z120</b>
<b>Thursday, 07 April</b>	
<b>TH4</b> , 15:30–17:00	<b>NP3.8/SSS5.7</b> , Scaling, Nonlinearity, and Complexity in soils and surface hydrology (co-organized), <b>Halls X/Y, XY550–XY576</b>
<b>TH5</b> , 17:30–19:00	<b>HS8.3.5</b> , Trace gases emissions from soils: Sources, mechanisms and process rates (co-listed), <b>Hall A, A360–A382</b>
	<b>NH8.1/BG1.13/SSS1.10</b> , Heavy-metal contamination of the environment (co-organized), <b>Halls X/Y, XY481–XY506</b>
	<b>SSS1.4</b> , Ash in the Environment, <b>Halls X/Y, XY708–XY720</b>
	<b>SSS1.5</b> , Stability and Functions of Mountain Soils, <b>Halls X/Y, XY721–XY732</b>
	<b>SSS1.7</b> , Badlands and badlands processes in relation to regolith, soil, biodiversity and human pressure, <b>Halls X/Y, XY733–XY748</b>
	<b>SSS5.2</b> , Geophysical and Geotechnical Analysis of Soils, <b>Halls X/Y, XY749–XY761</b>
	<b>SSS6.1</b> , Applications and developments of magnetic resonance techniques in geosciences, <b>Halls X/Y, XY762–XY773</b>
	<b>SSS6.5</b> , Diffuse reflectance spectroscopy in soil science: new ideas, approaches and strategies, <b>Halls X/Y, XY774–XY790</b>
<b>Friday, 08 April</b>	
<b>FR1</b> , 08:30–10:00	<b>SSS1.2/HS12.13/NP3.11</b> , Wind-driven rain and aeolian sediment transport in environmental studies (co-organized), <b>Hall Z, Z49–Z57</b>
	<b>SSS7.1/EOS11</b> , New, original and successful ideas for teaching Earth Sciences / EOS (co-organized), <b>Hall Z, Z85–Z105</b>
<b>FR3</b> , 13:30–15:00	<b>ERE5.1/GMPV32/HS12.1/SSS2.9</b> , Coupled reactive transport: Codes, applications and trends (co-organized), <b>Hall XL, XL179–XL196</b>
	<b>HS9.2/GM3.4/SSS2.10</b> , Erosion and sediment delivery in agricultural landscapes: monitoring, modelling and management (co-organized), <b>Hall A, A317–A329</b>
<b>FR4</b> , 15:30–17:00	<b>SSS2.2/EMRP15/GM10.2/PS7.0</b> , Modeling the Experiment, Experimenting the Models (co-organized), <b>Hall Z, Z58–Z84</b>