SSS – Soil System Sciences (#EGU18SSS) – Orals

Monday, 09 April	
MO1, 08:30–10:00	**SSS4.2**, The rhizosphere: plant-soil-microbial interactions and soil life visualization, **08:30–17:00**, **Room K2**
	SSS11.4, Quantitative Approaches to Complex Soil Systems, **08:30–12:00**, **Room -2.20**
	SSS12.4, Analytical methods and techniques in soil science, **08:30–10:00**, **Room -2.32**
	GM6.5/ERE2.4/HS5.16/NH1.23/SSS13.33, Challenges and opportunities for sustainable soil conservation measures, torrent control works and sediment cascade management: from structure to basin scale (co-organized), **08:30–12:00**, **Room 0.96**
	NH3.3/GI2.16/SSS13.47, Characterizing and monitoring landslide processes using remote sensing and geophysics (Co-sponsored by JpGU) (co-organized), **08:30–12:00**, **Room L7**
	GI0.2/AS4.23/BG1.27/CL5.15/EMRP4.36/ERE1.8/G6.2/GD1.2/GM12.5/GMPV10.10/HS11.1/NH9.24/NP9.2/SM1.11/SSP1.3/SSS13.70/TS1.8, COST Actions in Geosciences: breakthrough ideas, research activities and results (co-organized), **08:30–11:45**, **Room 0.49**
MO2, 10:30–12:00	**SSS4.2**, The rhizosphere: plant-soil-microbial interactions and soil life visualization, **08:30–17:00**, **Room K2**
	SSS11.4, Quantitative Approaches to Complex Soil Systems, **08:30–12:00**, **Room -2.20**
	SSS12.2, Experimental Erosology: Theory and Practice of Experiments (lab + field) in Soil Science, **10:30–12:00**, **Room -2.32**
	GM6.5/ERE2.4/HS5.16/NH1.23/SSS13.33, Challenges and opportunities for sustainable soil conservation measures, torrent control works and sediment cascade management: from structure to basin scale (co-organized), **08:30–12:00**, **Room 0.96**
	NH3.3/GI2.16/SSS13.47, Characterizing and monitoring landslide processes using remote sensing and geophysics (Co-sponsored by JpGU) (co-organized), **08:30–12:00**, **Room L7**
	GI0.2/AS4.23/BG1.27/CL5.15/EMRP4.36/ERE1.8/G6.2/GD1.2/GM12.5/GMPV10.10/HS11.1/NH9.24/NP9.2/SM1.11/SSP1.3/SSS13.70/TS1.8, COST Actions in Geosciences: breakthrough ideas, research activities and results (co-organized), **08:30–11:45**, **Room 0.49**
	GDB2, Hands on or hands off?, **10:30–12:00**, **Room E1**
MOL, 12:15–13:15	**PCN2**, EGU Plenary, **12:15–13:15**, **Room E1**
MO3, 13:30–15:00	**SSS2.1/GM3.9/HS9.10**, Connectivity in hydrology and sediment dynamics: concepts, measuring, modelling, indices and societal implications (co-organized), **13:30–15:00**, **Room -2.32**
	SSS4.2, The rhizosphere: plant-soil-microbial interactions and soil life visualization, **08:30–17:00**, **Room K2**
	SSS11.8, Variability in Landscape Processes: Digital Soil Mapping for Sustainability, **13:30–17:00**, **Room -2.20**
	GM6.3/CL1.30/SSP2.11/SSS13.29, Deciphering human-environmental interactions during the late Quaternary as lessons for the Anthropocene – prospects and challenges in geoarchaeology (co-organized), **13:30–17:00**, **Room 0.96**
	NH3.7/GM7.4/SSS13.48, Mechanics of Mass Flows (co-organized), **13:30–17:00**, **Room L7**
	NH9.12/AS5.17/CL5.30/ESSI1.9/GI0.4/GMPV6.12/HS11.44/SM3.15/SSS13.66, Methods and Tools for Natural Risk Management and Communications – Innovative ways of delivering information to end users and sharing data among the scientific community (co-organized),

	13:30–15:00, **Room L8**
	SC1.7/BG2.45/SSS13.80, Current techniques to measure and analyse redox potentials in wetland soils and sediments (co-organized), **13:30–15:00**, **Room -2.31**
	US2, The future of Earth and Planetary Observations from Space, **13:30–17:00**, **Room E1**
MO4, 15:30–17:00	**SSS2.3/GM6.11/NH11.2**, Agricultural terraces of the world. Their pedological, geomorphological and hydrological role (co-organized), **15:30–17:00**, **Room -2.32**
	SSS4.2, The rhizosphere: plant-soil-microbial interactions and soil life visualization, **08:30–17:00**, **Room K2**
	SSS11.8, Variability in Landscape Processes: Digital Soil Mapping for Sustainability, **13:30–17:00**, **Room -2.20**
	GM2.3/CR2.6/GI3.15/GMPV10.3/HS11.18/NH4.6/SM1.04/SSS13.22, Environmental Seismology: Deciphering Earth's surface processes with seismic methods (co-organized), **15:30–17:00**, **Room 0.31**
	GM6.3/CL1.30/SSP2.11/SSS13.29, Deciphering human-environmental interactions during the late Quaternary as lessons for the Anthropocene – prospects and challenges in geoarchaeology (co-organized), **13:30–17:00**, **Room 0.96**
	NH3.7/GM7.4/SSS13.48, Mechanics of Mass Flows (co-organized), **13:30–17:00**, **Room L7**
	NH9.11/GMPV6.11/HS11.43/SM3.19/SSS13.63, Risk Management and risk hedging with examples from natural catastrophic events (co-organized), **15:30–17:00**, **Room L8**
	US2, The future of Earth and Planetary Observations from Space, **13:30–17:00**, **Room E1**
Tuesday, 10 April	
TU1, 08:30–10:00	**SSS4.1/BG2.38**, Spatial and temporal distribution of biodiversity, functions and activity of soil organisms in terrestrial ecosystems (co-organized), **08:30–15:00**, **Room K2**
	SSS7.1/HS8.3.9, Interactions and feedbacks between soil structure and biogeochemical processes in micro-aggregates and beyond (co-organized), **08:30–12:00**, **Room -2.20**
	GM7.1/NH11.19/SSS13.31, Hillslope geomorphology, slope and fluvial denudation, and landscape responses to global environmental changes (co-organized), **08:30–10:00**, **Room 0.31**
	NH1.2/AS1.14/SSS13.43, Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), **08:30–15:00**, **Room L6**
TU1b, 09:00–10:00	**US1**, Past achievements and future challenges for the Geosciences (co-sponsored by AGU), **09:00–12:00**, **Room E1**
TU2, 10:30–12:00	**SSS4.1/BG2.38**, Spatial and temporal distribution of biodiversity, functions and activity of soil organisms in terrestrial ecosystems (co-organized), **08:30–15:00**, **Room K2**
	SSS7.1/HS8.3.9, Interactions and feedbacks between soil structure and biogeochemical processes in micro-aggregates and beyond (co-organized), **08:30–12:00**, **Room -2.20**
	GM3.3/BG2.8/CL4.27/SSS3.4, Chemical weathering, soil formation, and organic carbon mobilization across spatial and temporal scales (co-organized), **10:30–12:00**, **Room 0.31**

	NH1.2/AS1.14/SSS13.43, Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), **08:30–15:00**, **Room L6**
	US1, Past achievements and future challenges for the Geosciences (co-sponsored by AGU), **09:00–12:00**, **Room E1**
TUL, 12:15–13:15	**DM20/SSS**, Division meeting for Soil System Sciences (SSS) (co-organized), **12:15–13:15**, **Room K2**
TU3, 13:30–15:00	**SSS4.1/BG2.38**, Spatial and temporal distribution of biodiversity, functions and activity of soil organisms in terrestrial ecosystems (co-organized), **08:30–15:00**, **Room K2**
	SSS7.3/HS8.3.11, Soil water Infiltration. Measurements, assessment and modeling (co-organized), **13:30–17:00**, **Room -2.20**
	IE3.3/GM2.2/CR2.5/GI3.13/GMPV10.4/HS6.9/NH6.10/SSS13.21, High Resolution Topography in the Geosciences: Methods and Applications (co-sponsored by JpGU) (co-organized), **13:30–17:00**, **Room N2**
	GM1.2/BG4.5/HS11.15/SSS13.17/TS1.4, Beyond the case study: The essential role of concepts and history in Earth Sciences (co-organized), **13:30–15:00**, **Room G2**
	NH1.2/AS1.14/SSS13.43, Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), **08:30–15:00**, **Room L6**
	NH3.11/GM7.3/SSS13.50, Rockfalls, rockslides and rock avalanches: Mechanics, dynamics, and new insights from novel data (co-organized), **13:30–17:00**, **Room L1**
	NH9.9/AS5.20/GI1.9/HS11.41/SSS13.64, Monitoring and modelling of dangerous phenomena: innovative, low-cost techniques, tools and constraint of engineering-geological models for hazard evaluation and risk mitigation (co-organized), **13:30–15:00**, **Room L8**
	SC1.11/SSS13.76, Imaging and image processing of biogeochemical and structural characteristics in soil microenvironments (co-organized), **13:30–17:00**, **Room -2.91**
	GDB4, Low-risk geo-engineering: are techniques available now?, **13:30–15:00**, **Room E1**
TU4, 15:30–17:00	**SSS4.3/BG2.36**, Soil biota – habitat interactions across scales: consequences for biotic communities and soil functionality (co-organized), **15:30–17:00**, **Room K2**
	SSS7.3/HS8.3.11, Soil water Infiltration. Measurements, assessment and modeling (co-organized), **13:30–17:00**, **Room -2.20**
	IE3.3/GM2.2/CR2.5/GI3.13/GMPV10.4/HS6.9/NH6.10/SSS13.21, High Resolution Topography in the Geosciences: Methods and Applications (co-sponsored by JpGU) (co-organized), **13:30–17:00**, **Room N2**
	GM2.5/SSP3.28/SSS13.19/TS4.10, Modelling erosion and sediment production, transport and deposition across landscapes (co-organized), **15:30–17:00**, **Room G2**
	NH3.11/GM7.3/SSS13.50, Rockfalls, rockslides and rock avalanches: Mechanics, dynamics, and new insights from novel data (co-organized), **13:30–17:00**, **Room L1**
	SC1.11/SSS13.76, Imaging and image processing of biogeochemical and structural characteristics in soil microenvironments (co-organized), **13:30–17:00**, **Room -2.91**
TU6, 19:00–20:00	**ML24/SSS**, Philippe Duchaufour Medal Lecture by Yakov A. Pachepsky (co-organized), **19:00–20:00**, **Room K2**
TU6a, 19:00–20:30	**GDB3**, The Early Career Scientists' Great Debate: Should early career scientists use time developing transferrable skills?, **19:00–20:30**, **Room E1**

Wednesday, 11 April	
WE1, 08:30–10:00	**SSS3.5/GM3.10/HS11.51**, Assessing the Critical Zone functioning and reconstructing its evolution, based on soils and sediments, interpreting the geochemical composition of soils and sediments with respect to provenance, palaeoenvironments and pollution (co-organized), **08:30–15:00**, **Room K2**
	SSS7.2/HS8.3.10, Preferential flow and mass transfers in soils and porous fractured media (co-organized), **08:30–09:45**, **Room -2.20**
	ML46/SSS, SSS Division Outstanding ECS Lecture by Matthias Vanmaercke (co-organized), **08:30–09:00**, **Room K2**
	GM5.4/CL4.32/HS11.21/SSP4.6/SSS13.26, Drylands: paleoenvironmental and geomorphic perspectives and challenges (co-organized), **08:30–10:00**, **Room G2**
	NH9.10/GMPV6.10/HS11.42/SM3.16/SSS13.62, Global and continental scale risk assessment for natural hazards: methods and practice (including Plinius Medal Lecture) (including NH Division Outstanding ECS Lecture) (co-organized), **08:30–12:00**, **Room L6**
	US4, Fifty years of International Ocean Drilling, **08:30–12:00**, **Room E1**
WE2, 10:30–12:00	**SSS3.5/GM3.10/HS11.51**, Assessing the Critical Zone functioning and reconstructing its evolution, based on soils and sediments, interpreting the geochemical composition of soils and sediments with respect to provenance, palaeoenvironments and pollution (co-organized), **08:30–15:00**, **Room K2**
	SSS7.4/HS8.3.12, Challenges in soil physics research (co-organized), **10:30–12:00**, **Room -2.20**
	CL3.03/AS4.12/BG4.13/HS11.8/NH11.15/NP5.5/SSS13.13, Earth System Prediction and Application (co-organized), **10:30–12:00**, **Room 0.94**
	GM9.4/SSS13.32, Soil, water and sediment tracing for unravelling climate change dynamics in proglacial areas (co-organized) (co-organized), **10:30–12:00**, **Room G2**
	NH9.10/GMPV6.10/HS11.42/SM3.16/SSS13.62, Global and continental scale risk assessment for natural hazards: methods and practice (including Plinius Medal Lecture) (including NH Division Outstanding ECS Lecture) (co-organized), **08:30–12:00**, **Room L6**
	US4, Fifty years of International Ocean Drilling, **08:30–12:00**, **Room E1**
WE3, 13:30–15:00	**SSS3.5/GM3.10/HS11.51**, Assessing the Critical Zone functioning and reconstructing its evolution, based on soils and sediments, interpreting the geochemical composition of soils and sediments with respect to provenance, palaeoenvironments and pollution (co-organized), **08:30–15:00**, **Room K2**
	SSS9.11/NH9.18, Urban sustainable development: resilience to environmental problems and natural hazards through eco-engineering solutions (co-organized), **13:30–17:00**, **Room -2.20**
	BG2.10/SSS13.10, Transport processes of greenhouse and reactive gases in soils: measurements and modelling (co-organized), **13:30–15:00**, **Room L2**
WE4, 15:30–17:00	**SSS4.9**, Microbial carbon use efficiency in soils: methods and environmental controls., **15:30–17:00**, **Room K2**
	SSS9.11/NH9.18, Urban sustainable development: resilience to environmental problems and natural hazards through eco-engineering solutions (co-organized), **13:30–17:00**, **Room -2.20**
	BG2.12/SSS13.5, Controls and management of C sequestration in top- and subsoil horizons (co-organized), **15:30–17:00**, **Room L2**

	BG2.32/SSS13.8, Ecosystem modeling, biogeochemical cycles and earth observations of changing tropical systems (co-organized), **15:30–17:00**, **Room 2.20**
	NH3.2/SM3.10/SSS13.46, Ground damage, slope failures and liquefaction in seismically or volcanically active environments (co-organized), **15:30–17:00**, **Room L8**
WE5, 17:30–19:00	**PCN3**, EGU Award Ceremony, **17:30–20:00**, **Room E1**
WE6, 19:00–20:00	**PCN3**, EGU Award Ceremony, **17:30–20:00**, **Room E1**

Thursday, 12 April

TH1, 08:30–10:00	**SSS5.2**, New and traditional soil amendments: impacts, benefits, and risks, **08:30–12:00**, **Room K2**
	SSS9.8/BG2.44/GM5.6/HS11.53, Coevolution of soils, landforms and vegetation: patterns, feedbacks and ecosystem stability thresholds (co-organized), **08:30–10:00**, **Room -2.20**
	GI1.2/AS4.21/BG1.31/EMRP4.4/ERE5.6/HS11.11/NH8.8/OS4.11/SSS13.16, Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), **08:30–12:00**, **Room 0.49**
	GM3.2/NH3.18/SSS13.23, Erosion and Sedimentation in Mountain Landscapes (co-organized), **08:30–12:00**, **Room D1**
	NH6.1/AS5.21/CR7.3/GI2.17/HS11.33/SM3.12/SSS13.54, Application of remote sensing and Earth-observation data in natural hazard and risk studies (co-organized), **08:30–15:00**, **Room L6**
	US3, Cassini and future perspectives for the exploration of the outer solar system, **08:30–12:00**, **Room E1**
TH2, 10:30–12:00	**SSS5.2**, New and traditional soil amendments: impacts, benefits, and risks, **08:30–12:00**, **Room K2**
	SSS9.1/NH3.16, Landslide early warning systems: monitoring systems, rainfall thresholds, warning models, performance evaluation and risk perception (co-organized), **10:30–12:00**, **Room -2.20**
	AS2.1/SSS13.2, Impact of Land-Surface-Atmosphere Feedbacks on Weather and Climate (co-organized), **10:30–12:00**, **Room 0.11**
	GI1.2/AS4.21/BG1.31/EMRP4.4/ERE5.6/HS11.11/NH8.8/OS4.11/SSS13.16, Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), **08:30–12:00**, **Room 0.49**
	GM3.2/NH3.18/SSS13.23, Erosion and Sedimentation in Mountain Landscapes (co-organized), **08:30–12:00**, **Room D1**
	HS9.3/GM8.8/SSS13.36, Techniques for quantifying fine sediment dynamics in river catchments (co-organized), **10:30–12:00**, **Room 2.95**
	NH6.1/AS5.21/CR7.3/GI2.17/HS11.33/SM3.12/SSS13.54, Application of remote sensing and Earth-observation data in natural hazard and risk studies (co-organized), **08:30–15:00**, **Room L6**
	US3, Cassini and future perspectives for the exploration of the outer solar system, **08:30–12:00**, **Room E1**
TH3, 13:30–15:00	**SSS2.5**, Land Degradation and Soil Conservation, **13:30–15:00**, **Room -2.32**
	SSS5.1/CL3.06, Mechanisms of soil organic matter stabilization and C sequestration (co-organized), **13:30–15:00**, **Room K2**
	SSS9.2/GM6.10, Past environmental conditions and human activities as recorded in soils, palaeosols, landforms and vegetation (co-organized), **13:30–17:00**, **Room -2.20**

	AS2.2/SSS13.3, Air-Land Interactions (General Session) (co-sponsored by iLEAPS) (co-organized) (co-organized), **13:30–17:00**, **Room 0.11**
	HS9.4/SSS13.38, Transfer of sediments and contaminants in catchments, rivers systems and lakes (co-organized), **13:30–15:00**, **Room 2.95**
	NH3.8/GI3.19/SSS13.49, Fast flow-like landslides in alpine and volcanic environment. Advances on monitoring, modelling and risk management (co-organized), **13:30–15:00**, **Room L8**
	NH6.1/AS5.21/CR7.3/GI2.17/HS11.33/SM3.12/SSS13.54, Application of remote sensing and Earth-observation data in natural hazard and risk studies (co-organized), **08:30–15:00**, **Room L6**
	GDB5, Natural versus anthropogenic threats for life on Earth, **13:30–15:00**, **Room E1**
TH4, 15:30–17:00	**SSS5.13**, Biogeochemistry and hydrology of hydromorphic soils, **15:30–17:00**, **Room K2**
	SSS6.5, Soil organic matter turnover: from molecules to ecosystems and back again, **15:30–17:00**, **Room -2.32**
	SSS9.2/GM6.10, Past environmental conditions and human activities as recorded in soils, palaeosols, landforms and vegetation (co-organized), **13:30–17:00**, **Room -2.20**
	IE2.9/BG1.5/CL3.07/SSS13.73, Nitrogen-transformation processes in terrestrial and aquatic ecosystems under global change (co-organized), **15:30–17:00**, **Room N2**
	AS2.2/SSS13.3, Air-Land Interactions (General Session) (co-sponsored by iLEAPS) (co-organized) (co-organized), **13:30–17:00**, **Room 0.11**
	HS9.8/GM3.7/SSS13.39, Extreme Erosion Processes, Hydrological Drivers and Connectivity (co-organized), **15:30–17:00**, **Room 2.95**
	NH7.1/SSS13.58, Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), **15:30–17:00**, **Room L6**
TH6, 19:00–20:00	**SC3.16/SSS13.78**, Meet the experts in land and soil functions: from primary productivity to biodiversity (co-organized), **19:00–20:00**, **Room -2.91**
Friday, 13 April	
FR1, 08:30–10:00	**SSS1.3/EOS5**, Soil science education, outreach and your favorite soil maps (co-organized), **08:30–10:00**, **Room -2.32**
	SSS8.3, Management, restoration and rehabilitation of degraded and fire affected lands, **08:30–10:00**, **Room K2**
	SSS9.7, Impact of agriculture on soil functions - processes and indicators, **08:30–17:00**, **Room -2.20**
	BG2.27/CL3.08/SSS13.7, The role of trees and understories in controlling forest dynamics in current and future environments (co-organized), **08:30–12:00**, **Room L2**
	HS10.5/BG2.1/SSS13.40, Stable isotopes to study water dynamics in the soil-plant-atmosphere continuum (co-organized), **08:30–10:00**, **Room 2.15**
	NH8.2/GM7.5/HS11.35/SSS13.42, Speleogenesis, Geomorphology and Hazards in Karst (co-organized), **08:30–12:00**, **Room L8**
	NH6.2/CR7.4/G3.8/GI2.24/SM3.11/SSS13.55, Imaging Geodesy with InSAR for geohazard and infrastructure monitoring (co-organized), **08:30–15:00**, **Room L6**
	US5, Scientific research in a changing European Union: where we stand and what we aim for?, **08:30–10:00**, **Room E1**
FR2, 10:30–12:00	**SSS8.4/AS4.18**, Soil pollution and reclamation as a geochemical problem (co-organized), **10:30–12:00**, **Room K2**
	SSS9.7, Impact of agriculture on soil functions - processes and indicators, **08:30–17:00**, **Room -2.20**

	SSS10.1, Organic farming and Soil management, **10:30–12:00**, **Room -2.32**
	AS2.3/CR8.2/OS1.17/SSS13.1, Boundary Layers in High Latitudes (co-organized), **10:30–12:00**, **Room 0.11**
	BG2.27/CL3.08/SSS13.7, The role of trees and understories in controlling forest dynamics in current and future environments (co-organized), **08:30–12:00**, **Room L2**
	GI1.1/EMRP4.3/ESSI2.10/SSS13.15, Applications of Data, Methods and Models in Geosciences (co-organized), **10:30–12:00**, **Room L3**
	NH8.2/GM7.5/HS11.35/SSS13.42, Speleogenesis, Geomorphology and Hazards in Karst (co-organized), **08:30–12:00**, **Room L8**
	NH6.2/CR7.4/G3.8/GI2.24/SM3.11/SSS13.55, Imaging Geodesy with InSAR for geohazard and infrastructure monitoring (co-organized), **08:30–15:00**, **Room L6**
FR3, 13:30–15:00	**SSS8.5**, Soil contamination and human health: advances and problems of risk assessment, **13:30–15:00**, **Room K2**
	SSS9.7, Impact of agriculture on soil functions - processes and indicators, **08:30–17:00**, **Room -2.20**
	SSS10.2, Irrigated agriculture: Natural Resources Management for the sustainability of the terrestrial ecosystem maintaining productivity, **13:30–15:00**, **Room -2.32**
	IE1.5/BG1.41/GMPV6.13/SSS13.71, Medical Geology: an interdisciplinary field of science for the benefit of the society (co-organized), **13:30–15:00**, **Room N2**
	NH6.2/CR7.4/G3.8/GI2.24/SM3.11/SSS13.55, Imaging Geodesy with InSAR for geohazard and infrastructure monitoring (co-organized), **08:30–15:00**, **Room L6**
	NH8.1/HS5.13/SSS13.60, Arsenic and other contaminants in soil and groundwater: interventions for source control and regulatory compliance (co-organized), **13:30–15:00**, **Room L8**
	HS8.3.4/SSS13.81, Soil-Root Interactions (co-organized), **13:30–17:00**, **Room 1.61**
FR4, 15:30–17:00	**SSS9.4**, Pesticides: fate and influence on the environment, **15:30–17:00**, **Room -2.32**
	SSS9.7, Impact of agriculture on soil functions - processes and indicators, **08:30–17:00**, **Room -2.20**
	HS8.3.4/SSS13.81, Soil-Root Interactions (co-organized), **13:30–17:00**, **Room 1.61**

SSS – Soil System Sciences (#EGU18SSS) – PICO

Monday, 09 April	
MO1, 08:30–10:00	**ESSI4.1/SSS11.6**, State of the Art in Earth Science Data Visualization (co-organized), **PICO spot 1**
	BG2.30/SSS13.11, Environment-friendly management of organic soils and paludiculture - from innovation to implementation (co-organized), **PICO spot 3**
MO2, 10:30–12:00	**SSS2.4/HS11.50**, Initial soil erosion – Rain splash and interrill erosion processes (co-organized), **PICO spot 3**
	NH1.5/AS4.28/HS11.29/SSS10.7, Hazard Risk Management of Agroecosystems (co-organized), **PICO spot 4**
	GI3.8/AS5.16/HS6.10/SSS13.14, Thermal LWIR and MWIR, broadband - multi/hyperspectral, proximal and remote sensing: algorithms for environmental studies, retrieval of geophysical variables and monitoring infrastructures (co-organized), **PICO spot 1**
MO3, 13:30–15:00	**CL5.02/AS5.7/BG1.38/GD10.9/GI0.5/GM2.10/GMPV10.9/HS11.25/NH11.1/NP9.4/OS4.14/PS6.4/SM7.04/SSP1.12/SSS13.12/ST4.8/TS11.9**, The development of geoscientific modelling (co-organized), **PICO spot 5a**
MO4, 15:30–17:00	**CL5.02/AS5.7/BG1.38/GD10.9/GI0.5/GM2.10/GMPV10.9/HS11.25/NH11.1/NP9.4/OS4.14/PS6.4/SM7.04/SSP1.12/SSS13.12/ST4.8/TS11.9**, The development of geoscientific modelling (co-organized), **PICO spot 5a**
Tuesday, 10 April	
TU2, 10:30–12:00	**SSS6.6**, Forest disturbances and soil organic matter: response and recovery, **PICO spot 3**
TU4, 15:30–17:00	**SSS10.4**, The prospects of soil and water conservation measures in the mediterranean context and in other erosion prone areas, **PICO spot 5b**
	IE3.2/NH6.3/CR2.10/EMRP4.34/GI2.10/GM2.15/GMPV5.5/HS11.54/SSS13.75, The use of Remotely Piloted Aircraft Systems (RPAS) in monitoring applications and management of natural hazards (co-organized), **PICO spot 4**
Wednesday, 11 April	
WE1, 08:30–10:00	**IE4.4/GM2.8/AS5.8/BG1.17/CL5.28/GD10.10/GMPV10.5/HS3.5/SSS13.77/TS11.12**, R and the benefit of low-cost solutions - democratic participation to face challenges in Earth science (co-organized), **PICO spot 4**
WE2, 10:30–12:00	**IE4.4/GM2.8/AS5.8/BG1.17/CL5.28/GD10.10/GMPV10.5/HS3.5/SSS13.77/TS11.12**, R and the benefit of low-cost solutions - democratic participation to face challenges in Earth science (co-organized), **PICO spot 4**
	NH9.5/GMPV6.7/HS11.37/SM3.18/SSS13.61, Single and multi-hazard risk assessment and mitigation in developing countries: Challenges and opportunities for innovation (co-organized), **PICO spot 1**
WE3, 13:30–15:00	**SSS11.5**, Dynamic soil modeling with ecological feedbacks: from process exploration to validation across scales, **PICO spot 5b**
	IE4.7/SSS13.74/BG1.43/ESSI1.10/NH9.21/SM1.10, Citizen Science for Earth Systems in the Era of Big Data (co-organized), **PICO spot 4**
Thursday, 12 April	
TH1, 08:30–10:00	**GM2.1/GI3.12/NH11.3/SSS13.20**, Frontiers in Geomorphometry and Earth Surface Dynamics: Possibilities, Limitations and Perspectives

	(co-organized), **PICO spot 5b**
TH2, 10:30–12:00	**SSS8.1**, Advances in bioremediation and biomining research, **PICO spot 3**
TH3, 13:30–15:00	**SSS8.2**, Novel sorbent materials for environmental remediation, **PICO spot 3**
	IE4.3/SSS13.73/AS5.19/BG1.20/ESSI1.8/HS11.4/NH11.13, Geostatistical and statistical tools to perform the data fusion of large datasets in geo-engineering and environmental studies (co-organized), **PICO spot 4**
Friday, 13 April	
FR1, 08:30–10:00	**SSS10.3/HS9.12/NH7.3**, Understanding, predicting and preventing post-fire hydrologic and erosive risks in fire-affected areas. (co-organized), **PICO spot 3**
FR3, 13:30–15:00	**NH6.7/GI2.23/SSS13.57**, Hazard and risk assessment of climate related impacts on Agricultural and Forested Ecosystems using Remote Sensing and modelling (co-organized), **PICO spot 4**

SSS – Soil System Sciences (#EGU18SSS) – Posters

Monday, 09 April	
MO5, 17:30–19:00	**SSS2.1/GM3.9/HS9.10**, Connectivity in hydrology and sediment dynamics: concepts, measuring, modelling, indices and societal implications (co-organized), **Hall X3**, **X3.136–X3.152**
	SSS2.3/GM6.11/NH11.2, Agricultural terraces of the world. Their pedological, geomorphological and hydrological role (co-organized), **Hall X3**, **X3.153–X3.169**
	SSS4.2, The rhizosphere: plant-soil-microbial interactions and soil life visualization, **Hall X3**, **X3.170–X3.209**
	SSS11.4, Quantitative Approaches to Complex Soil Systems, **Hall X3**, **X3.210–X3.230**
	SSS11.8, Variability in Landscape Processes: Digital Soil Mapping for Sustainability, **Hall X3**, **X3.231–X3.252**
	SSS12.1/GI1.11/GM2.14, Learning from spatial data: unveiling the geo-environment through quantitative approaches (co-organized), **Hall X3**, **X3.253–X3.263**
	SSS12.2, Experimental Erosology: Theory and Practice of Experiments (lab + field) in Soil Science, **Hall X3**, **X3.264–X3.280**
	SSS12.4, Analytical methods and techniques in soil science, **Hall X3**, **X3.281–X3.298**
	GM2.3/CR2.6/GI3.15/GMPV10.3/HS11.18/NH4.6/SM1.04/SSS13.22, Environmental Seismology: Deciphering Earth's surface processes with seismic methods (co-organized), **Hall X1**, **X1.294–X1.312**
	GM6.3/CL1.30/SSP2.11/SSS13.29, Deciphering human-environmental interactions during the late Quaternary as lessons for the Anthropocene – prospects and challenges in geoarchaeology (co-organized), **Hall X1**, **X1.333–X1.366**
	GM6.5/ERE2.4/HS5.16/NH1.23/SSS13.33, Challenges and opportunities for sustainable soil conservation measures, torrent control works and sediment cascade management: from structure to basin scale (co-organized), **Hall X2**, **X2.1–X2.17**
	NH3.3/GI2.16/SSS13.47, Characterizing and monitoring landslide processes using remote sensing and geophysics (Co-sponsored by JpGU) (co-organized), **Hall X1**, **X1.75–X1.103**
	NH3.7/GM7.4/SSS13.48, Mechanics of Mass Flows (co-organized), **Hall X1**, **X1.104–X1.126**
	NH9.11/GMPV6.11/HS11.43/SM3.19/SSS13.63, Risk Management and risk hedging with examples from natural catastrophic events (co-organized), **Hall X1**, **X1.202–X1.215**
	NH9.12/AS5.17/CL5.30/ESSI1.9/GI0.4/GMPV6.12/HS11.44/SM3.15/SSS13.66, Methods and Tools for Natural Risk Management and Communications – Innovative ways of delivering information to end users and sharing data among the scientific community (co-organized), **Hall X1**, **X1.216–X1.233**
	GI0.2/AS4.23/BG1.27/CL5.15/EMRP4.36/ERE1.8/G6.2/GD1.2/GM12.5/GMPV10.10/HS11.1/NH9.24/NP9.2/SM1.11/SSP1.3/SSS13.70/TS1.8, COST Actions in Geosciences: breakthrough ideas, research activities and results (co-organized), **Hall X1**, **X1.1–X1.28**
Tuesday, 10 April	
TU5, 17:30–19:00	**SSS4.1/BG2.38**, Spatial and temporal distribution of biodiversity, functions and activity of soil organisms in terrestrial ecosystems (co-organized),

	Hall X3, **X3.122–X3.156**
	SSS4.3/BG2.36, Soil biota – habitat interactions across scales: consequences for biotic communities and soil functionality (co-organized), **Hall X3**, **X3.157–X3.176**
	SSS7.1/HS8.3.9, Interactions and feedbacks between soil structure and biogeochemical processes in micro-aggregates and beyond (co-organized), **Hall X3**, **X3.177–X3.203**
	SSS7.3/HS8.3.11, Soil water Infiltration. Measurements, assessment and modeling (co-organized), **Hall X3**, **X3.204–X3.227**
	IE3.3/GM2.2/CR2.5/GI3.13/GMPV10.4/HS6.9/NH6.10/SSS13.21, High Resolution Topography in the Geosciences: Methods and Applications (co-sponsored by JpGU) (co-organized), **Hall X2**, **X2.51–X2.72**
	GM3.3/BG2.8/CL4.27/SSS3.4, Chemical weathering, soil formation, and organic carbon mobilization across spatial and temporal scales (co-organized), **Hall X2**, **X2.93–X2.109**
	GM1.2/BG4.5/HS11.15/SSS13.17/TS1.4, Beyond the case study: The essential role of concepts and history in Earth Sciences (co-organized), **Hall X2**, **X2.1–X2.15**
	GM2.5/SSP3.28/SSS13.19/TS4.10, Modelling erosion and sediment production, transport and deposition across landscapes (co-organized), **Hall X2**, **X2.73–X2.92**
	GM7.1/NH11.19/SSS13.31, Hillslope geomorphology, slope and fluvial denudation, and landscape responses to global environmental changes (co-organized), **Hall X2**, **X2.110–X2.124**
	NH1.2/AS1.14/SSS13.43, Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), **Hall X1**, **X1.91–X1.134**
	NH3.11/GM7.3/SSS13.50, Rockfalls, rockslides and rock avalanches: Mechanics, dynamics, and new insights from novel data (co-organized), **Hall X1**, **X1.189–X1.212**
	NH9.9/AS5.20/GI1.9/HS11.41/SSS13.64, Monitoring and modelling of dangerous phenomena: innovative, low-cost techniques, tools and constraint of engineering-geological models for hazard evaluation and risk mitigation (co-organized), **Hall X1**, **X1.276–X1.296**
Wednesday, 11 April	
WE5, 17:30–19:00	**SSS3.5/GM3.10/HS11.51**, Assessing the Critical Zone functioning and reconstructing its evolution, based on soils and sediments, interpreting the geochemical composition of soils and sediments with respect to provenance, palaeoenvironments and pollution (co-organized), **Hall X3**, **X3.161–X3.188**
	SSS4.9, Microbial carbon use efficiency in soils: methods and environmental controls., **Hall X3**, **X3.189–X3.204**
	SSS7.2/HS8.3.10, Preferential flow and mass transfers in soils and porous fractured media (co-organized), **Hall X3**, **X3.205–X3.222**
	SSS7.4/HS8.3.12, Challenges in soil physics research (co-organized), **Hall X3**, **X3.223–X3.237**
	SSS9.11/NH9.18, Urban sustainable development: resilience to environmental problems and natural hazards through eco-engineering solutions (co-organized), **Hall X3**, **X3.238–X3.263**
	BG2.12/SSS13.5, Controls and management of C sequestration in top- and subsoil horizons (co-organized), **Hall A**, **A.236–A.251**

	BG2.32/SSS13.8, Ecosystem modeling, biogeochemical cycles and earth observations of changing tropical systems (co-organized), **Hall A**, **A.335–A.352**
	BG2.10/SSS13.10, Transport processes of greenhouse and reactive gases in soils: measurements and modelling (co-organized), **Hall A**, **A.219–A.235**
	CL3.03/AS4.12/BG4.13/HS11.8/NH11.15/NP5.5/SSS13.13, Earth System Prediction and Application (co-organized), **Hall X5**, **X5.302–X5.316**
	GM5.4/CL4.32/HS11.21/SSP4.6/SSS13.26, Drylands: paleoenvironmental and geomorphic perspectives and challenges (co-organized), **Hall X1**, **X1.358–X1.373**
	GM9.4/SSS13.32, Soil, water and sediment tracing for unravelling climate change dynamics in proglacial areas (co-organized) (co-organized), **Hall X2**, **X2.18–X2.39**
	NH3.2/SM3.10/SSS13.46, Ground damage, slope failures and liquefaction in seismically or volcanically active environments (co-organized), **Hall X1**, **X1.128–X1.143**
	NH9.10/GMPV6.10/HS11.42/SM3.16/SSS13.62, Global and continental scale risk assessment for natural hazards: methods and practice (including Plinius Medal Lecture) (including NH Division Outstanding ECS Lecture) (co-organized), **Hall X1**, **X1.194–X1.213**
Thursday, 12 April	
TH4, 15:30–17:00	**GM3.2/NH3.18/SSS13.23**, Erosion and Sedimentation in Mountain Landscapes (co-organized), **Hall X2**, **X2.15–X2.47**
TH5, 17:30–19:00	**SSS2.5**, Land Degradation and Soil Conservation, **Hall X3**, **X3.1–X3.23**
	SSS5.1/CL3.06, Mechanisms of soil organic matter stabilization and C sequestration (co-organized), **Hall X3**, **X3.24–X3.41**
	SSS5.2, New and traditional soil amendments: impacts, benefits, and risks, **Hall X3**, **X3.42–X3.62**
	SSS5.6, General Soil Chemistry: from basic research to environmental aspects to food security, **Hall X3**, **X3.63–X3.72**
	SSS5.13, Biogeochemistry and hydrology of hydromorphic soils, **Hall X3**, **X3.73–X3.92**
	SSS6.5, Soil organic matter turnover: from molecules to ecosystems and back again, **Hall X3**, **X3.93–X3.114**
	SSS9.1/NH3.16, Landslide early warning systems: monitoring systems, rainfall thresholds, warning models, performance evaluation and risk perception (co-organized), **Hall X3**, **X3.115–X3.134**
	SSS9.2/GM6.10, Past environmental conditions and human activities as recorded in soils, palaeosols, landforms and vegetation (co-organized), **Hall X3**, **X3.135–X3.154**
	SSS9.8/BG2.44/GM5.6/HS11.53, Coevolution of soils, landforms and vegetation: patterns, feedbacks and ecosystem stability thresholds (co-organized), **Hall X3**, **X3.155–X3.173**
	IE2.9/BG1.5/CL3.07/SSS13.73, Nitrogen-transformation processes in terrestrial and aquatic ecosystems under global change (co-organized), **Hall A**, **A.395–A.408**
	AS2.1/SSS13.2, Impact of Land-Surface-Atmosphere Feedbacks on Weather and Climate (co-organized), **Hall X5**, **X5.91–X5.112**
	AS2.2/SSS13.3, Air-Land Interactions (General Session) (co-sponsored by iLEAPS) (co-organized) (co-organized), **Hall X5**, **X5.113–X5.142**

	GI1.2/AS4.21/BG1.31/EMRP4.4/ERE5.6/HS11.11/NH8.8/OS4.11/SSS13.16, Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), **Hall X1**, **X1.41–X1.58**
	GI3.6/EMRP4.12/ERE2.3/SSP1.9/SSS13.18, Geoscientific Underground Labs and Test Sites (co-organized), **Hall X1**, **X1.130–X1.140**
	HS9.3/GM8.8/SSS13.36, Techniques for quantifying fine sediment dynamics in river catchments (co-organized), **Hall A**, **A.271–A.289**
	HS9.4/SSS13.38, Transfer of sediments and contaminants in catchments, rivers systems and lakes (co-organized), **Hall A**, **A.290–A.308**
	HS9.8/GM3.7/SSS13.39, Extreme Erosion Processes, Hydrological Drivers and Connectivity (co-organized), **Hall A**, **A.309–A.326**
	NH3.8/GI3.19/SSS13.49, Fast flow-like landslides in alpine and volcanic environment. Advances on monitoring, modelling and risk management (co-organized), **Hall X1**, **X1.182–X1.198**
	NH6.1/AS5.21/CR7.3/GI2.17/HS11.33/SM3.12/SSS13.54, Application of remote sensing and Earth-observation data in natural hazard and risk studies (co-organized), **Hall X1**, **X1.236–X1.270**
	NH7.1/SSS13.58, Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), **Hall X1**, **X1.271–X1.294**
Friday, 13 April	
FR4, 15:30–17:00	**BG2.27/CL3.08/SSS13.7**, The role of trees and understories in controlling forest dynamics in current and future environments (co-organized), **Hall A**, **A.434–A.458**
FR5, 17:30–19:00	**SSS1.3/EOS5**, Soil science education, outreach and your favorite soil maps (co-organized), **Hall X3**, **X3.44–X3.64**
	SSS8.3, Management, restoration and rehabilitation of degraded and fire affected lands, **Hall X3**, **X3.65–X3.81**
	SSS8.4/AS4.18, Soil pollution and reclamation as a geochemical problem (co-organized), **Hall X3**, **X3.82–X3.108**
	SSS8.5, Soil contamination and human health: advances and problems of risk assessment, **Hall X3**, **X3.109–X3.122**
	SSS9.4, Pesticides: fate and influence on the environment, **Hall X3**, **X3.123–X3.135**
	SSS9.7, Impact of agriculture on soil functions - processes and indicators, **Hall X3**, **X3.136–X3.169**
	SSS10.1, Organic farming and Soil management, **Hall X3**, **X3.170–X3.189**
	SSS10.2, Irrigated agriculture: Natural Resources Management for the sustainability of the terrestrial ecosystem maintaining productivity, **Hall X3**, **X3.190–X3.211**
	IE1.5/BG1.41/GMPV6.13/SSS13.71, Medical Geology: an interdisciplinary field of science for the benefit of the society (co-organized), **Hall A**, **A.344–A.358**
	AS2.3/CR8.2/OS1.17/SSS13.1, Boundary Layers in High Latitudes (co-organized), **Hall X5**, **X5.157–X5.171**
	GI1.1/EMRP4.3/ESSI2.10/SSS13.15, Applications of Data, Methods and Models in Geosciences (co-organized), **Hall X4**, **X4.223–X4.241**
	HS10.5/BG2.1/SSS13.40, Stable isotopes to study water dynamics in the soil-plant-atmosphere continuum (co-organized), **Hall A**, **A.329–A.343**
	NH8.2/GM7.5/HS11.35/SSS13.42, Speleogenesis, Geomorphology and Hazards in Karst (co-organized), **Hall X1**, **X1.247–X1.268**

	NH6.2/CR7.4/G3.8/GI2.24/SM3.11/SSS13.55, Imaging Geodesy with InSAR for geohazard and infrastructure monitoring (co-organized), **Hall X1**, **X1.189–X1.224**
	NH8.1/HS5.13/SSS13.60, Arsenic and other contaminants in soil and groundwater: interventions for source control and regulatory compliance (co-organized), **Hall X1**, **X1.225–X1.246**
	HS8.3.4/SSS13.81, Soil-Root Interactions (co-organized), **Hall A**, **A.210–A.224**