

TOPIC 1: Water and soil resource recovery in the context of Circular Economy and European Green Deal	
<i>Session number</i>	
1a1	Circularity approaches for wastewater-, soil- and sediment-based materials
1b1	Water reuse and artificial recharge
1d1	Re-use of soils and sediments - Management approaches and strategies
1d2	Re-use of soils and sediments - Assessment, characteristics and functionalities
1d3	Re-use of soils and sediments - Case studies
1sps1	New challenges call for new soil professionals
1sps2	National Competence Centre II BIOCIKRL – Biorefining and circular economy for sustainability
TOPIC 2: Soil-water-sediment system contribution to climate change adaptation and mitigation	
2a1	Nature based solutions and other technologies for carbon sequestration and greenhouse gas mitigation strategies (e.g. rice fields, mangrove, constructed wetlands, etc.)
2b1	Restoring and maintaining quality and quantity of groundwater reserves
2sps1	Climate Change Adaptation in the United States Superfund Program: Insights from Climate Vulnerability Assessments at Contaminated Sites.
2sps2	AquaConnect: Circular water management for regional drought resilience.
TOPIC 3: Sustainable remediation, emerging contaminants and prevention towards zero pollution	
3a1	Remediation of historical large-scale pollutions (e.g. landfills, mine wastes) using sustainable resources and energy - session 1
3a2	Remediation of historical large-scale pollutions (e.g. landfills, mine wastes) using sustainable resources and energy - session 2
3b1	Integrated Remediation Processes
3b2	Biodegradation of chlorinated solvents - session 1
3b3	Biodegradation of chlorinated solvents - session 2
3b4	Electrochemical treatment technologies
3b5	PFAS electrochemical treatment technologies
3b6	Soil washing and flushing
3b7	Thermal remediation methods
3b8	Application of Zero-Valent Iron nanoparticles for Soil and Groundwater
3b9	New Approaches to Subsurface Injection of in-situ remedial reagents
3b10	Sustainable Technology Combinations
3b11	Thermal Remediation
3b12	PFAS management - session 1
3b13	PFAS management - session 2
3b14	Monitoring/investigation
3b15	Technologies
3b16	Management strategies
3b17	Isotopic and chemical fingerprinting methods
3c1	Persistent organic pollutants (POPs)
3c2	PFAS Fate and transport
3c3	PFAS Immobilisation and Separation
3c4	PFAS Oxidation and Reduction
3c5	Special contaminants
3c6	Innovative Site Investigation Approaches
3c7	Management and remediation of micropollutants
3c8	Antibiotic contamination and systemic remediation
3sps1	Integrating Green Remediation Practices in Superfund Cleanups: A United States Environmental Protection Agency Perspective
3sps2	Towards optimised risk-based aftercare at tar sites
3sps3	Best Practices for Applying In Situ Chemical Oxidation (ISCO) in 2023
3sps4	Decision support framework for risk management of persistent, mobile and toxic chemicals in a circular economy.
TOPIC 4: Water and soil in the digital world	
4a1	Sensing, monitoring and data - session 1
4a2	Sensing, monitoring and data - session 2
4a3	Integrate soil, water and sediment
4a4	Artificial Intelligence
4sps1	GWSDAT - GroundWater Spatiotemporal Data Analysis Tool: Overview and Tutorial Session
TOPIC 5: Tools and Systems Thinking Approaches to manage complexity in sustainable soil-water-sediment systems	
5a1	Assessment techniques (LCA, MCA, Carbon Credits, Global Footprint on soils etc.)
5b1	Governance and management (long term land stewardship, includes landfills, formerly contaminated sites) - session 1
5b2	Governance and management (long term land stewardship, includes landfills, formerly contaminated sites) - session 2
5d1	<i>To be decided</i>
5sps1	A Soil Deal for Europe – how far are we with determining soil needs, sustainable land management practices, soil literacy and Living Labs and Lighthouses?
5sps2	Transitions in soil quality management 'Look differently, think differently and act differently,' the EU SOIL strategy in perspective
5sps3	Sustainable remediation assessment: approaches and tools to account for decarbonization, biodiversity and circular economy.
5sps4	Application of innovative technologies for site characterization and treatment in the Superfund Program
5sps5	A series of sustainability assessment case studies of enhanced bioremediation across Europe
5sps6	The urgent necessity of healthy soils