

Time	September 4 (Monday)	September 5 (Tuesday)	September 6 (Wednesday)	September 7 (Thursday)
8:30-9:30	Reception of participants			
9:30-10:00	Welcome messages	Session 5: Soil pollutant distribution and dynamics	Excursion: Urban soils in Santiago de Compostela	Excursion: SOGAMA waste treatment plant + Meirama restored coal mine area
10:00-10:30	Opening session: Current and future challenges for SUITMAs			
10:30-11:00				
11:00-11:30	Coffee break	Coffee break		
11:30-12:15	Session 2: Urban soil survey, mapping and evaluation for land planning	Session 5 (cont.)		
12:15-13:15		Session 6: Soil remediation		
13:15-15:00	Lunch	Lunch		
15:00-15:30	Session 3: SUITMAs for waste recycling and urban renaturalization	Session 7: Chemistry, fertility and food production in anthropogenic soils		
15:30-16:00				
16:00-16:30	Coffee break	Coffee break		
16:30-17:15	Session 3 (cont.)	Session 8: Physics of SUITMAs and the water cycle		
17:15-18:00	Session 4: Biology of SUITMAs			
18:00-19:00		General assembly WG SUITMA		
19:30-20:30	Guided city tour			
20:30-22:00		Gala dinner		

September 4 (Monday)

09:30-10:00 Welcome and opening

10:00-11:00 Opening session Current and future challenges for SUITMAs

	Chair: Jean-Louis MOREL
10:00-10:15	25 years SUITMAs - a new research field of Soil Science. What makes these soils and the interest in these soils so special Wolfgang BURGHARDT (University Duisburg-Essen)
10:15-10:30	SUITMA and Soil Security Kye-Hoon John KIM (The University of Seoul)
10:30-10:45	Urban soils awareness - educational and tourism aspects Przemyslaw CHARZYNSKI (Nicolaus Copernicus University in Toruń)
10:45-11:00	Advancing understanding and promoting soil testing of urban soils: the role of research and education Anna PALTSEVA (University of Louisiana at Lafayette)

11:00-11:30 Coffee break with poster viewing

11:30-13:15 Session 2 Urban soil survey, mapping and evaluation for land planning

	Chairs: Andrzej GREINERT, Maxine LEVIN
11:30-11:45	Urban Pedodiversity vs. soil mapping - approaches and problems Piotr HULISZ (Nicolaus Copernicus University in Toruń)
11:45-12:00	URBAN SOIL MAPPING: Method of characterization of a soil cover subjected to different forms of denaturation and anthroposolization Laure VIDAL-BEAUDET (L'Institut Agro Rennes-Angers)
12:00-12:15	Can contemporary urban soils be explained by historical land use successions? Christophe SCHWARTZ (Université de Lorraine/INRAE)
12:15-12:30	Soil History for describing and understanding site-specific soil development Thomas CUMMINS (University College Dublin)
12:30-12:45	Historical and contemporary cemeteries in the urban area. The modern development of the city vs. human remnants in the soil Andrzej GREINERT (University of Zielona Góra)
12:45-13:00	Spatial diversity of soil developmental index in the urban greenery area on the reclaimed land Kawahigashi MASAYUKI (Tokyo Metropolitan University)
13:00-13:15	Soil distribution on a former inner-city airfield in the city of Berlin - New insights from the 2022 field work Kolja THESTORF (Humboldt-Universität zu Berlin)

13:15-15:00 Lunch

15:00-16:00 Session 3 SUITMAs for waste recycling and urban renaturalization	
	Chairs: Geoffroy SÉRÉ, Remigio PARADELO
15:00-15:15	Review of the last two decades experiences of Technosols construction for urban greening Geoffroy SÉRÉ (Université de Lorraine/INRAE)
15:15-15:30	A geochemical and agronomic evaluation of technosols made from construction and demolition fines mixed with green waste compost Luke BEESLEY (Czech University of Life Sciences)
15:30-15:45	Restoring urban soil biodiversity by constructing Technosols with excavated mineral wastes Irina MIKAJLO (Institute of Ecology and Environmental Sciences of Paris)
15:45-16:00	Using waste materials for the recovery of urban de-sealed soils Giovanni MASTROLONARDO (Università degli studi di Firenze)

16:00-16:30	Coffee break with poster viewing
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16:30-17:15 Session 3 (cont.) SUITMAs for waste recycling and urban renaturalization	
	Chairs: Geoffroy SÉRÉ, Remigio PARADELO
16:30-16:45	Reusing wastes and by-products from desealing operations to develop fertile soils for greening cities Claire VIEILLARD (L'Institut Agro Rennes-Angers)
16:45-17:00	Rethinking green roofs- natural and recycled materials improve their carbon footprint Thomas NEHLS (Technische Universität Berlin)
17:00-17:15	Wastewater urbanism Seth DENIZEN (Washington University in Saint Louis)

17:15-18:00 Session 4 Biology of SUITMAs	
	Chairs: Laure VIDAL-BEAUDET, Ruth PEREIRA
17:15-17:30	Using earthworms diversity to improve constructed Technosols fertility Jose ARAUJO (Institute of Ecology and Environmental Sciences of Paris)
17:30-17:45	Effects of metal contamination on oligochaete skin secretome proteins and the bystander signal Ruth PEREIRA (Universidade do Porto)
17:45-18:00	Microbial activity of Technosols created from mining wastes and peat-sand mixtures in Russian Arctics Maria KORNEYKOVA (Peoples' Friendship University of Russia)

19:30-21:00	Guided tour	Old Town
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September 5 (Tuesday)

9:30-11:00		Session 5 Soil pollutant distribution and dynamics
	Chairs: Cécile LE GUERN, Anna PALTSEVA	
9:30-9:45	Urban-Soil Pedogenesis and Legacy Contaminant Hotspots Daniel RICHTER (Duke University)	
9:45-10:00	The memory of soils: role of historical land use on soil contamination by trace elements – examples from allotment gardens (Nantes, France) Cécile LE GUERN (Bureau de Recherches Géologiques et Minières)	
10:00-10:15	Trace Element Contamination and Atmospheric Deposition in Urban Community Gardens Salvatore ENGEL-DI MAURO (State University of New York at New Paltz)	
10:15-10:30	Depth distribution and source identification of trace elements in soils of urban gardens of Santiago de Compostela Juan Pedro MARTIN (Universidad de Santiago de Compostela)	
10:30-10:45	Impact of run-off infiltration in bioretention systems on soils and vadose zone water in urban areas Björn KLUGE (Technische Universität Berlin)	
10:45-11:00	Constructing soils to mitigate trace elements contamination in plants: a new horizon for urban agriculture Thomas LERCH (Institute of Ecology and Environmental Sciences of Paris)	
11:00-11:30 Coffee break with poster viewing		
11:30-12:15		Session 5 (cont.) Soil pollutant distribution and dynamics
	Chairs: Cécile LE GUERN, Anna PALTSEVA	
11:30-11:45	The role of mineralogy in the bioaccessibility of potentially toxic elements in soils from the former mining district of Wanlockhead, Scotland Sandra ARROYO SANCHEZ (University of Aberdeen)	
11:45-12:00	Potential mechanisms of Fe mineralization and metal(loid) immobilization mediated by microalgae in mine drainage Shizhong WANG (Sun Yat-sen University)	
12:00-12:15	Mechanism of polycyclic aromatic hydrocarbons degradation in the rhizosphere of Phragmites australis: organic acid co-metabolism, iron-driven, and microbial response Nichen ZHANG (Sun Yat-sen University)	
12:15-13:15		Session 6 Soil remediation
	Chairs: Luke BEESLEY, Carmen MONTERROSO	
12:15-12:30	Unsealing of urban soils: scientific knowledge is essential for optimizing practices Christophe SCHWARTZ (Université de Lorraine/INRAE)	

12:30-12:45	Ecological restoration of rare earth element mine sites in south China: theories and applications Yetao TANG (Sun Yat-sen University)
12:45-13:00	Top-soil in-situ flushing or replacement combined with sub-soil fixation to remediate heavy metals contaminated soils Qi-Tang WU (South China Agricultural University)
13:00-13:15	Phytostabilization assisted by electrokinetic treatment: a new proposal for the recovery of copper of an active mine tailing Cristian URDIALES (Universidad de Chile)

13:15-15:00 **Lunch**

15:00-16:15 Session 7
Chemistry, fertility and food production in anthropogenic soils

	Chairs: Christophe SCHWARTZ, Maria Teresa BARRAL
15:00-15:15	Urban soils as biogeochemosocial phenomena: who and what drive the spatio-temporal variability of soil carbon in urban areas Vlacheslav VASENEV (Wageningen University & Research)
15:15-15:30	The Berlin Molkenmarkt - Carbon storage in cultural layers from over 800 years Ken THOEMEL (Technische Universität Berlin)
15:30-15:45	Resource efficiency for urban resilience: roles of soils in urban food garden nexus assessment Trung-Kien PHAM (Université Gustave Eiffel)
15:45-16:00	Productivity and food quality of tomatoes grown on six different co-composted biochar technosols for rooftop agriculture Giuseppe PICCA (Consejo Superior de Investigaciones Científicas)
16:00-16:15	The role of soils for the sustainability of periurban and urban areas. The case of Mexico City and the Mezquital valley Chistina SIEBE (Universidad Nacional Autónoma de México)

16:15-16:45 **Coffee break with poster viewing**

16:45-17:30 Session 8
Physics of SUITMAs and the water cycle

	Chairs: Björn KLUGE, Thomas NEHLS
16:45-17:00	Investigating the Hydraulic Functioning of Multi-Layered Constructed Soils Michal SNEHOTA (Czech Technical University in Prague)
17:00-17:15	Impact of urbanization on groundwater of two urban watersheds. Two centuries of observations David RAMIER (Cerema Ile-de-France)
17:15-17:30	Study of the transport and deposition of bio-colloids in porous media Chao JIN (Sun Yat-Sen University)

18:00-19:00 **SUITMA General Assembly**

20:30-22:00

Gala Dinner

Hotel Monumento San Francisco