

09:00	Opening
09:00	Welcome
09:20	Prof. Kim Kye-Hoon (SUITMA President) – opening talk
<i>The Open Session on SUITMAs</i> (Convener: Christina Siebe, Viacheslav Vasenev)	
09:40	Kostecki, J., Greinert, A. <u>The impact of railway exploitation on urban soils</u>
10:00	Beroigui, M., Ouvrard, S., Schwartz, C., Boularbah, A. <u>Urban soil carbon stability in semi-arid region: case study of Marrakech city</u>
10:20	Kajiwarra, T., Kawahigashi, M. <u>Heterogeneity in plant growth of the black pine planted on a coastal embankment along the Sendai Bay area</u>
10:40	Jeon, D., Dickinson, N. <u>Copper and Soil Functionality</u>
11:00	Breakout The Open Session on SUITMAs
<i>Session Constructed Technosols</i> (Conveners: Moreen Willaredt; Thomas Nehls, Björn Kluge)	
11:20	Abbruzzini, T., Mora, L., Solares, P.M., Caleb Orozco, S., Tinoco, L., Villasana, K., Escobar, S., Cabello, R., Cram, S., Prado, B. <u>Construction of purpose-designed Technosols from construction waste as substrates in the production of ornamental plants</u>
11:40	Greinert, A., Kostecki, J. <u>Construction and demolition waste as a non-inert technogenic soil parent material</u>
12:00	Cannavo, P., Artous, M., Lemmel, O., Buord, H., Vidal-Beaudet, L., Guénon, R. <u>Agronomic evaluation of green roof growing media based on recycled polyurethane foam</u>
12:20	Coull, M., Butler, B., Hough, R., Beesley, L. <u>A geochemical and agronomic evaluation of Technosols made from construction and demolition fines mixed with green waste compost</u>
12:40	Breakout Session on Constructed Technosols
13:00-14:30	Lunch break
<i>Session Constructed Technosols</i> (Convener: Moreen Willaredt; Thomas Nehls, Björn Kluge)	
14:30	Hanumesh, M., Maeder-Pras, S., Claverie, R., Séré, G. <u>Factors or Actors? Influence of rain, freeze-thaw and vegetation on the pedogenesis of green roof's substrates</u>
14:50	Deeb, M., Smagin, A.V., Groffman, P., Elfels, L., Jouquet, P. <u>Building soils for dry climates</u>
15:10	Breakout Session on Constructed Technosols
<i>Session of the urban soil working group in the German Soil Science Society</i> (Conveners: Thorsten Gaertig, Lutz Makowsky, Tina Thrum)	

- 15:25 Welcome
Makowsky, L., Steinweg, B.
- 15:30 [Description of Anthropogenic Components for Soil Mapping – A Glance to the German Guidelines for Soil Mapping, version 2022 \(KA6\)](#)
- 16:00 Thrum, T., Klemm, J., Korintenberg, M., Zeitz, J.
[Carbon in previously and currently sealed soils of Berlin](#)
- 16:20 Löwe, O. Kurth, E.W., Weltecke, K., Gaertig, T.
[Mobile CO2 measuring device for analysing the CO2 concentration in the soil air](#)

16:40 **Coffee Break**

Session Soil Health in Urban Areas

(Conveners: Remigio Paradelo, Anna Paltseva)

- 17:00 Scartazza, A., Tassi, E., Scatena, M., Rosellini, I., Pini, R., Bretzel, F.
[Effects of urban soil quality on the nutritional status of woody plants in a Mediterranean climate city](#)
- 17:20 Le Guern, C., Béchet, B., Duvigneau, C., Capiaux, H., Lebeau, T., Keller, C., Diaz-Sanz, J., Moulin, J., Sheriff, R., Métois, R., Laroche, B., Schwartz, C., Franck-Néel, C., Branchu, P., Marseille, F.
[Indicators of urban soil multifunctionality as input to assess soil health](#)

17:40 **Breakout Session on Soil Health in Urban Areas**

17:50-19:20 **dinner break**

The Open Session on SUITMAs

(Convener: Christina Siebe, Viacheslav Vasenev)

- 19:20 Kovaleva, E., Trofimov, S.
[Soil ecosystems of the Arctic under anthropogenic loads \(Taimyr Peninsula\)](#)
- 19:40 Prokof'eva, T.V., Shoba, S.A., Goncharov, N.V., Shishkov, V.A.
[Atmospheric dust as a material for soil formation in different land use areas of Moscow](#)

20:00 Breakout on The Open Session on SUITMAs

Session Soil Activities by Urban Governments

(Convener: Wolfgang Burghardt, Lutz Makowsky)

- 20:10 Wolfgang Burghardt
[The City needs soils, the City has soils – SUITMA research, advances in the past, and for the future](#)
- 20:30 Bechet, B., Bodenan, P., Lebeau, T., Vidal-Beaudet, L., Cannavo, P., Lameiras, J., Tasheva, M.
[Implementation of nature-based-solutions in neighbourhoods - An opportunity for preservation of open urban soils](#)
- 20:50 Doux, H., Bechet, B., Bodenan, P., Arbarrotti, A., De Gouvello, B.
[Soil issues in the panorama of urban gardening projects: a case study from Nantes](#)

21:10 **Breakout Session on Soil Activities by Urban Governments**

21:30 Closing day 1

TUESDAY 06.09.2022

Session Amendments for SUITMA Soils

(Convener: Francesca Bretzel, Eliana Tassi, Luke Beesley, Manhattan Lebrun)

Sperling, K., Wagner, A., Kaupenjohann, M.

08:40

[Long-term immobilization of heavy metals on a former sewage field by burnt lime, stone dust, leonardite and iron hydroxide](#)

Huot, H., Watteau, F., Chen, Y., Guo, M., Liu, C., Liu, Y., Liu, W., Yuan, M., Zhu, S., Chao, Y.Q., Séré, G., Morel, J.L., Qiu, R.-L., Tang, Y.-T.

09:00

[Role of organic amendment for the implementation of phytoremediation strategies of ion-adsorption rare earth element mine tailings in South China](#)

Gavrichkova, O., Liberati, D., Vasenev, V., De Angelis, P.

09:20

[Amendments to improve the functioning of urban lawns](#)

Bretzel, F., Tassi, E.

09:40

[Paper sludge as amendment of substrate in urban green infrastructure: properties, use and perspectives](#)

10:00

Breakout Session on Amendments for SUITMA Soils

Pereira, S.I.A., Sousa, N., Castro, P.M.L., Moreira, H.

10:20

[Phyto management of mine tailings using Vetiver associated with vermicompost and microbial-enriched hydrogels](#)

Allory, V., Séré, G., Baudin, F., Ouvrard, S.

10:40

[Mineralization of organic artefacts: implication for carbon early dynamics in Technosols](#)

11:00

Breakout Session on Amendments for SUITMA Soils

Session Nexus Urban Soils – ESG ratings, significance and management of soils for climate and health impact

(Convener: Wolfgang Burghardt, Kolja Thestorf)

Paradelo, R., Herbón, C., Barral, M.T., Pontevedra-Pombal, X., García-Rodeja, E.

11:10

[Morphology and classification of urban soils in Santiago de Compostela \(Spain\)](#)

Vidal-Beaudet, L., Schwartz, C., Auclerc, A., Barantal, S., Cortet, J., Dozières, A., Lata, J.C., Maron, P-A., Turcati, L., Vergnes, A.

11:30

[A global field survey to assess urban soil biodiversity of urban greenspaces](#)

Norini, M-P., Motelica-Heino, M., Boscardin, R., Hellal, J., Bonthoux, S., Legay, N.

11:50

[Functional profiles of soil microbial populations in a urban context: land use vs geology](#)

Ramier, D., Fernandez, M., Dumont, E., Payet, C., Gallis, D., Branchu, P., Pons-Branchu, E.

12:10

[Impact of two centuries of urbanization on urban soil and groundwater. A diachronic study of Paris conurbation water sources](#)

12:30

Breakout Session on Nexus Urban Soils

12:50-14:20

Lunch break

Session Nexus Urban Soils – ESG ratings, significance and management of soils for climate and health impact

(Convener: Wolfgang Burghardt, Kolja Thestorf)

Dolgikh, A., Vasenev, V., Gorbov, S., Ivashchenko, K., Korneykova, M., Kozyrev, D., Petrov, D., Salnik, N., Saltan, N., Sarzhanov, D., Skripnikov, P., Slukovskaya, M., Soshina, A., Umanets, M.

14:20

[Soil carbon dioxide emissions of the cities of European Russia across bioclimatic zones](#)

Le Guern, C., Prézeau, F., Clozel, B., Leduc, T., Musy, M., Rodler, A., Tasca-Guernouti, S., Béchet, B., Dufrasnes, E., Stabile, O., Recknagel, C., Garnier, H., Lefranc, A.

14:40

[Soil properties and de-sealing strategies: feedback from the DésiVille project \(France\)](#)

Correa Pereira, M., Stevens, C., Whitlock, R., O'Riordan, R.

15:00

[Sealing changes properties and depletes the bacterial diversity in urban soils](#)

Vasenev, V., Varentsov, M., Korneykova, M., Ivashchenko, K.V., Sarzhanov, D.A., Gorbov, S.N.

15:20	<u>Carbon stocks and fluxes in urban soils: challenges and perspectives for climate mitigation</u>
15:40	Breakout Session on Nexus Urban Soils
	Session Soil pollution and urban food growing (Convener: Liliane Jean-Soro, Béatrice Bechet, Thierry Lebeau, Cécile Le Guern)
16:00	Kim, B.-H., Yoon, J.-H., Kim, K.-H. <u>Distribution of microplastics in soil of Seoul according to land use</u>
16:20	Thestorff, K., Krüger, A., Makki, M. <u>Enrichment and environmental risk assessment of military-related heavy metals on inner-city shooting range soils in the Berlin Metropolitan Area</u>
16:40	Kohli, A., Jean-Soro, L., Guéron, R., Vidal-Beaudet, L. <u>Effect of self-produced composts on lead uptake by lettuce from moderately contaminated soil of an urban allotment garden</u>
17:00	Breakout Session Soil pollution and urban food growing
17:20	Moreira, H., Sousa, S., Cunha, J., Castro, P. M. L., Pereira, S. I. A. <u>Isolation of metal-tolerant bacteria from metallophytes for bioaugmentation purposes in mine tailings</u>
17:40	Achour, Y., Motelica-Heino, M., Tlili, H., Soussi, F., Soussi, R. <u>Ecodynamics of metals (Pb, Zn, Cd) and metalloids (Sb, As) in carbonated soils contaminated by mining waste (Northern Tunisia)</u>
18:00	Breakout Session Soil pollution and urban food growing
18:20	dinner break
	The Open Session on SUITMAs (Convener: Christina Siebe, Viacheslav Vasenev)
20:00	Ivanova, A.E., Sidorova, T.A., Val' aev, D.A., Plotnikova, K.A., Prokof'eva, T.V., Umarova, A.M. <u>The mycobiota in solid atmospheric aerosols and surface urban soils of roadside and recreational areas of the metropolis Moscow</u>
20:20	Cram, S., Prado, B., Ortega, P., Mora, L., Peña, V., Siebe, C. <u>The university campus as an opportunity to build awareness on urban soils</u>
20:40	Breakout on The Open Session on SUITMAs
	Closing
21:00	Organizers, John Kim, Gerd Wessolek, Remigio Paradelo Bye, Bye SUITMA 11, Welcome to SUITMA 12! Conference closing