

NYC Urban Soils Institute



RUDN
university

Brooklyn The City
College University
of New York

3MUGIS SUMMER SCHOOL

**Monitoring, modeling and managing urban soils
and green infrastructure**

Preliminary Program

May 21 – 30, 2018 RUDN University, Moscow, Russia





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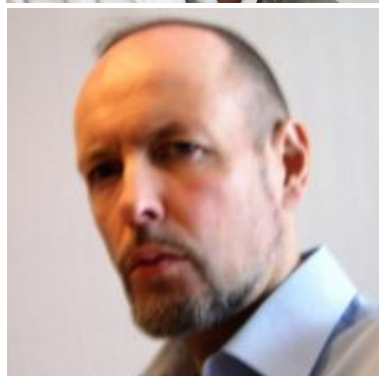
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3MUSGIS-2018 Summer School Program

Week 1

Time	Event/ activity	Place
Day 0 May 20 (Sunday)		
14.00-18.00	Registration and accommodation in the RUDN campus	RUDN campus
Day 1 May 21 (Monday)		
09.30-11.30	Registration and coffee break	ATI RUDN r. 332
11.30-12.00	L0 Introduction to 3MUSGIS-2018 Dr. V.I. Vasenev (<i>RUDN University, Russia</i>)	ATI RUDN Hall 2
12.00-12.30	Opening ceremony	ATI RUDN Hall 2
12.30-13.30	L1 SUITMAs functions and services J. L. Morel (<i>Université de Lorraine, France</i>)	ATI RUDN Hall 2
13.30-14.30	Lunch	Restaurant "City"
14.30-15.30	L2 SUITMA classification A. Buyvolova (<i>Lomonosov Moscow State University, Russia</i>)	ATI RUDN Hall 2
15.30-16.30	L3 Theories and practices of soil construction A. Smagin (<i>Lomonosov Moscow State University, Russia</i>)	ATI RUDN Hall 2
16.30-17.00	Coffee-break	ATI RUND r. 203
17.00-18.00	L5 Urban Farming: perspectives and challenges C. Cui (<i>Chinese Academy of Sciences</i>)	ATI RUDN Hall 2
18.00-19.00	L6 Pedogenic process in engineered soils with implications to design performance M. Williams (<i>University of California, Berkeley, USA</i>)	ATI RUDN Hall 2
Day 2 May 22 (Tuesday)		
8.00	Departure to the field sites	ATI main entrance
9.00-10.30	P1 In field practical in soil assessment Dr. V.I. Vasenev (RUDN, University) M. Williams (<i>University of California, Berkeley, USA</i>)	RSAU-MTAA experimental fields
10.30-12.00	P2 In field practical in plant physiological research and GHG emission observations A. Yaroslavtsev (<i>RSAU-MTAA, Russia/ CMCC, Italy</i>) O. Gavrichkova (<i>IBAF CNR, Italy</i>) B. Bhoobun (<i>RUDN, Russia</i>)	
12.00-12.30	P3 Remote sensing by UAV and satellite imagery A. Yaroslavtsev (<i>RSAU-MTAA, Russia/ CMCC, Italy</i>) I. Veretelnikova (<i>RSAU-MTAA/ RUDN, Russia</i>)	
13.30-13.30	Way back to RUDN	

13.30-14.30	Lunch	Restaurant “City”
14.30-15.30	L7 Tree Talkers: new generations of sensors for GI monitoring R. Valentini (<i>RUDN, Russia/ CMCC, Italy</i>)	ATI RUDN Hall 2
15.30-16.30	L8 Isotope application for studies of plant-soil-microbial interactions and C dynamics Y. Kuzyakov (<i>George-August University, Germany/ RUDN University, Russia</i>)	ATI RUDN Hall 2
16.30-17.00	Coffee-break	ATI RUND r. 203
17.00-18.00	S1 Processing data collected at the field sites: S1.1. Remote sensing approaches to monitor urban GI I. Veretelnikova (<i>RSAU-MTAA/ RUDN, Russia</i>) S1.2. Estimating GHG fluxes B. Bhoobun (<i>RUDN, Russia</i>)	ATI RUDN Hall 2
18.00-19.00	S2 Scientific Writing Skills Y. Kuzyakov (<i>George-August University, Germany/ RUDN University, Russia</i>)	ATI RUDN Hall 2
19.00-20.00	“Soil and Art” Master class T. Zhukova (<i>RUDN, Russia</i>)	ATI RUND r. 314
Day 3 May 23 (Wednesday)		
9.00-10.00	L9 Natural-based solutions for sustainable urban development C. Calfapietra (<i>IBAF CNR, Italy</i>)	ATI RUDN Hall 2
10.00-11.00	L10 Microbiological activity of natural and anthropogenic soils N.D. Ananyeva (<i>Russian Academy of Science, Russia</i>)	ATI RUDN Hall 2
11.00-11.30	Coffee-break	ATI RUND r. 203
11.30-12.30	L11 Functional-based soil and land evaluation I.I. Vasenev (<i>RSUA, Russia</i>)	ATI RUDN Hall 2
12.30-13.30	S2 Integrated assessment in environmental research R. Leemans (<i>WUR, Netherlands</i>)	ATI RUDN Hall 2
13.30-14.30	Lunch	Restaurant “City”
14.30-15.30	L12 Cultural layers: properties, mechanisms and functions A. Dolgikh (<i>Russian Academy of Science, Russia</i>)	ATI RUDN Hall 2
15.30-18.00	S5 R-based data analysis in environmental studies K. Ivashchenko (<i>RUDN University, Russia</i>) A. Yaroslavtsev (<i>RSAU, Russia</i>)	ATI RUDN Hall 2
18.00-19.00	Participation in the poster session of the SSC conference	Restaurant “Galaktika”
16.10-18.10	Welcome party of the 3MUGIS school and SSC conference	
Day 4 May 24 (Thursday)		
9.00-10.00	L13 Urban heat island effect P. Konstantinov (<i>Lomonosov Moscow State University, Russia</i>)	ATI RUND Hall 2
10.00-11.00	L14 Functions and services of urban forests T. Chiti (<i>Tuscia University, Italy</i>)	ATI RUDN Hall 2
11.00-11.30	Coffee-break	ATI RUND r. 203
11.30-12.30	L15 Monitoring GHG emissions from soils S. Castaldi (<i>University della Campania Luigi Vanvitelli, Italy</i>)	ATI RUDN Hall 2
12.30-	S3 GIS and spatial analysis of urban soils and ecosystems	ATI RUDN

13.30	J. Stoorvogel (<i>WUR, Netherlands</i>)	Hall 2
13.30-14.30	Lunch	Restaurant "City"
14.30-15.30	L 16 Social-economical and cultural issues of urban sustainability K.A. Gould (<i>CUNY, USA</i>)	ATI RUDN Hall 2
15.30-17.00	Working on the team presentations/ participating in SSC conference sessions	ATI RUDN rooms
17.00-17.30	Coffee-break	ATI RUND r. 203
17.30-21.00	Working on the team presentations	ATI RUDN rooms
Day 5 May 25 (Friday)		
9.00-10.00	L17 Managing Urban Soils for Food Security and Adaptation to Climate Change Rattan Lal (<i>Ohio State University, USA</i>) Video-lecture	RUDN Main Building University Research Council Hall
10.00-11.00	L 18 New York City Soil & Water Conservation District S. Tanikawa (<i>NYC Soil & Water Conservation District, USA</i>) T. Morin (<i>NYC Urban Soil Institute, USA</i>)	ATI RUDN Hall 2
11.00-11.30	Coffee-break	ATI RUND r. 314
11.30-12.30	L19 Perspectives of the international education in US A. Bier (<i>CUNY, USA</i>)	ATI RUDN Hall 2
12.30-13.30	Joining SSC sessions and round tables	RUDN Main Building University Research Council Hall
13.30-14.30	Lunch	RUDN canteen
14.30-16.00	Presentations and defence of the team projects	ATI RUDN Hall 2
16.00-17.30	Joining SSC sessions and round tables	RUDN Main Building University Research Council Hall
17.30-18.30	Closing ceremony	RUDN Main Building University Research Council Hall

Week 2 (field tour)

Day 1 May 26 (Saturday)	
7.00- 7.30	Departure from Moscow
7.30- 13.00	Trip to Central Forest Reserve (Tver region)
13.00- 14.30	Accommodation and lunch in CFP (http://www.clgz.ru/)
14.30- 18.00	Field excursion "Soils and landscapes of south taiga subzone"
18.00- 20.30	Barbecue and Sport activities
20.30- 22.00	Banya (Russian sauna)
Day 2 May 27 (Sunday)	
7.00- 7.30	Departure from CFR
7.30- 13.00	Trip to Moscow (Russian State Agrarian University) (http://www.timacad.ru/)
13.00- 14.00	Lunch in RSAU
14.00- 17.00	Field excursion "Forested, agricultural and urban ecosystems within Moscow megapolis"
17.00- 20.00	Trip to Pushchino (Moscow region)
20.00- 21.30	Accommodation in hotel and dinner
8.00- 9.00	Breakfast in the hotel
9.00- 13.00	Field excursion in "Forests, croplands and fallows in the mixed forest zone" (https://pt-zapovednik.org/)
13.00- 14.00	Lunch in Pushchino
14.00- 17.00	Field excursion «Urban soils of a small town in the mixed forest zone»
17.00- 18.00	Bus tour in Serpukhov
18.00- 22.00	Serpukhov-Kursk (by train)
23.30- 00.00	Accommodation in hotel
8.00- 9.00	Breakfast in the hotel
9.00- 13.00	Field excursion "Soils and landscapes of the forest-steppe zone" (http://zapoved-kursk.ru/)
13.00- 14.00	Lunch in Kursk
14.00- 17.00	Field excursion "Urban soils in the Chernozemic region"
17.00- 18.00	Dinner

18.00- 21.00	Trip to Voronezh
21.00- 21.30	Accommodation in hotel
8.00- 9.00	Breakfast in the hotel
9.00- 13.00	Field excursion "Natural landscapes and soils in Central-Chernozemic region"
13.00- 14.00	Lunch in Voronezh
14.00- 19.00	Field excursion "Botanical gardens and parks of Voronezh: Soil and GI perspective"
19.00- 20.00	Dinner in downtown
20.00- 21.00	Voronezh-Moscow (by train)