

3MUGIS 2020 INTERNATIONAL ONLINE SUMMER SCHOOL July 3 – 13, 2020

3mugis.org

About 3MUGIS

The Monitoring, Modeling, Managing Urban Green Infrastructure and Soils (3MUGIS) Summer School is an annual event, which addresses relevant contemporary environmental consequences and opportunities of urbanization with special emphasis on soil functions.

The 3MUGIS-2020 is held online. At the end of the program, students will better understand ecology and biogeochemistry of urban soils and plants, advances in monitoring and modeling of urban soils and green infrastructures, role of naturebased solutions and urban green infrastructure for human health and well-being.

We will use Zoom platform for running the summer school. The school rooms will be open during lectures and workshops according to this program.

If it is possible, please try to attend lectures and seminars in real time.



Please note that all lectures are held in <u>Moscow time (UTC +3)</u>

Summer School Exam and Best Project Contest

The summer school exam will be organized as a project defense. All participants will do projects in teams. You will be provided with data, instructions and time to complete the project. At the end of the Summer school, we will have a project defense and at the same time a project contest: the best projects will receive special prizes.

All the participants of the project defense will receive the official 1ECTS certificate, recognized internationally.

Zoom Instructions and Rules

Please prepare for classes on the **Zoom** platform.

Download and install the **Zoom** application (https://zoom.us/download) on your computer. It can be used from a PC, phone or tablet.

To start using **Zoom**, you need to register in the system and create an account.

Please, read the platform's terms of use, learn the interface and functions with the help of quick video instructions about **Zoom** functions (https://zoom.us/resources).

Test the microphone, headphones and camera.

Each time you follow the link to the meeting room, you will need to register. This is necessary for compiling registration sheets. We ask you to write your full name and surname, as well as fill out the other fields of the registration form.

Using **Zoom**, if possible, turn on video, lecturers are always pleased to see their audience, even in a remote format.

Please make sure that your microphone is turned off and extraneous sounds do not interfere with the meeting.

Turn on your microphone when you want to ask a question or make a comment. You can also use chat for questions.

Be polite to all participants. Do not post questions or comments that can offend other people.

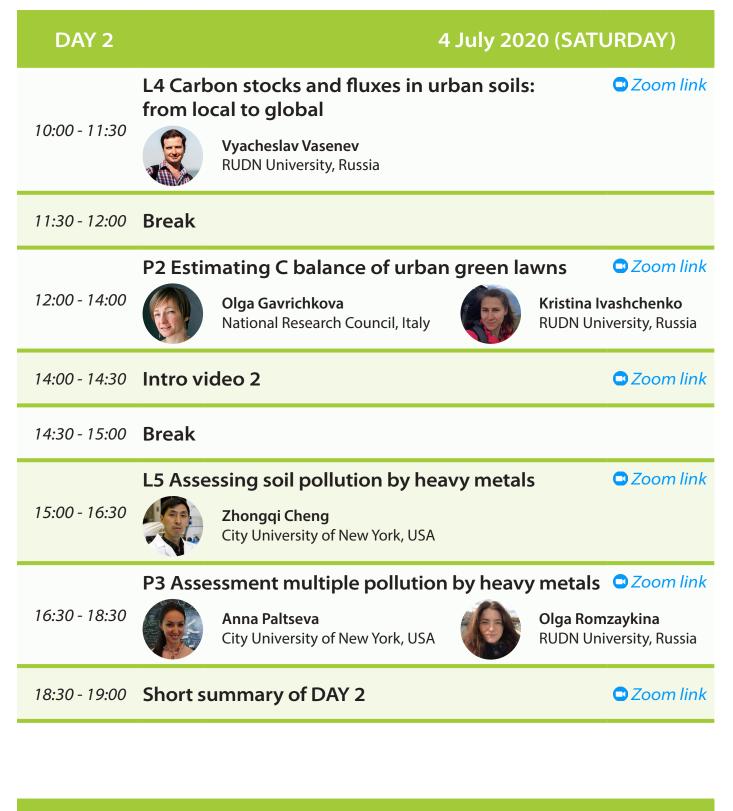
Save the time of other participants. Write briefly and only on the topic of conversation.

Lecture Videos on Facebook

As the participants of the summer school are from different countries with different time zones we will record all the lectures and the workshops.

We will post these videos to the school group on Facebook every day. https://www.facebook.com/groups/3MUGIS

DAY 1	3 JULY 2020 (I	FRIDAY)
10:00 - 10:30	L0 Introduction to 3MUGIS Vyacheslav Vasenev RUDN University, Russia	Zoom link
10:30 - 12:00	L1 Tree Talkers: new generation technique for tree monitoring Riccardo Valentini RUDN University, Russia / UNITUS, Italy	Zoom link
12:00 - 12:30	Break	
12:30 - 14:00	P1 Evaluating ESs of urban trees real-time Victor Matasov RUDN University, Russia	
14:00 - 14:30	Intro video 1	Coom link
14:30 - 15:00	Break	
15:00 - 16:00	L2 Current State of Climate and Future Development – Drivers, Consequences, Challenges Michael Leuchner RWTH, Germany	<i>⊇Zoom link</i> 5
16:00 - 17:00	L3 Urban climate: measuring, modeling and assessment Image: System of the sys	Coom link
17:00 - 17:30	Opening ceremony	🚭 Zoom link
17:30 - 18:30	Team building and designing project work Intro	🗨 Zoom link
18:30 - 19:00	Short summary of DAY 1	🗨 Zoom link





DAY 4	6 July 2020 (MONDAY)	
10:00 - 11:30	L6 Urban lawns: ecological and cultural phenomena Maria Ignatieva The University of Western Australia, Australia	a 🗢 Zoom link
11:30 - 12:00	Break	
12:00 - 14:00	L7 SUITMAs: formation, functions and ESs Jean Louis Morel Lorraine University, France	Coom link
14:00 - 14:30	Intro video 3	Coom link
14:30 - 15:00	Break	
15:00 - 18:00	P4 How to consider ESs of SUITMAs in urban planning Geoffroy Sere INRA, France	g 🗢 Zoom link
18:30 - 19:00	Short summary of DAY 4	🗅 Zoom link
DAY 5	7 July 2020 (TU	ESDAY)
10:30 - 12:00	L8 Practical tools for green infrastructure management and assessment Carlo Calfapietra National Research Council, Italy	Zoom link
12:00 - 14:00	P5 Practical tools for green infrastructure man- agement and assessment Carlo Calfapietra National Research Council, Italy	Zoom link
14:00 - 14:30	Intro video 4	Zoom link
14:30 - 15:00	Break	

DAY 5 (0	CONTINUE) 7 July 2020 (TU	JESDAY)
15:00 - 16:30	L9 Cultural services of urban green spaces Diana Dushkova Humboldt University, Germany	Zoom link
16:30 - 18:00	Guidance for team projects	Zoom link
18:30 - 19:00	Short summary of DAY 5	🗅 Zoom link
Smart and Sustainable Cities Online Conference DAY 6 8 July 2020 (WEDNESDAY)		
10:30 - 11:30	Plenary session	🗨 Zoom link
11:30 - 13:00	Session 1 Monitoring and assessment of tree health and stability in cities	🗖 Zoom link
13:00 - 13:30	Break	
13:30 - 14:30	Keynote Alexander Baklanov World Meteorological Organization (WMO)	Coom link
14:30 - 16:00	Session 2 Urban climate and air quality (PEEX "Pan-Eurasian Experiment" Session)	🗢 Zoom link
16:00 - 17:00	Poster session	🖸 Zoom link
17:00 - 17:30	Opening ceremony	🗨 Zoom link
17:30 - 19:00	Round table 3 University campus as an open lab for sustainable green solutions and innovative education synergy	🗨 Zoom link
19:00 - 19:30	Short summary of DAY 6	🗅 Zoom link

Smart and Sustainable Cities Online Conference DAY 7 9 July 2020 (THURSDAY)		
10:00 - 11:30	Session 3 Soil-water-atmosphere interactions in cities	🕒 Zoom link
11:30 - 13:00	Round table 1 New techniques in monitoring urban infrastructure: from science to policy-makers	🗖 Zoom link
13:00 - 13:30	Break	
13:30 - 15:00	Session 5 Soil quality assessment for sustainable management of urban soil resources	🗖 Zoom link
15:00 - 16:00	Poster session	🖸 Zoom link
16:00 - 17:00	Keynote Image: Peter Groffman CUNY Advanced Science Research Center, Brooklyn Colleg	Zoom link e, USA
17:00 - 18:30	Session 6 Biogeochemical cycles in urban soils and ecosystems	🕒 Zoom link
19:00 - 19:30	Short summary of DAY 7	Coom link

Sr DAY 8	Smart and Sustainable Cities Online Conference 10 July 2020 (FRIDAY)		
10:00 - 11:30	Session 4 Assessment, modelling and mappings urban ecosystem services	🕒 Zoom link	
11:30 - 13:00	Session 8 Health risks in urban environment	🕒 Zoom link	
13:00 - 13:30	Break		

Smart and Sustainable Cities Online Conference DAY 8 (CONTINUE) 10 July 2020 (FRIDAY)		
13:30 - 14:30	Keynote: Nature Based Solutions in the NewGreen Deal perspectiveOpen Solutions in the NewGarlo CalfapietraNational Research Council, Italy	🗢 Zoom link
14:30 - 16:00	Session 7 Nature-Based Solutions and Urban Farming: chal- lenges and perspectives	🗨 Zoom link
16:00 - 17:30	Round table 2 Ecosystem services assessment for sustainable land- scape architecture: from science to practice	🗢 Zoom link
17:30 - 18:00	Short summary of the conference	🗢 Zoom link
18:00 - 18:30	Closing ceremony	🗨 Zoom link
19:00 - 19:30	Short summary of DAY 8	电 Zoom link
DAY 9	11 July 2020 (SATURDAY)	
10:00 - 16:00	Day for practical exercises and working on team projects	🗖 Zoom link
16:00 - 18:00	Workshop: How to write a scientific paper? Image: Workshop with the scientific paper with the science of the	
DAY 10	12 July 2020 (SU	JNDAY)
10:00 - 19:00	Day for practical exercises and working on team projects	🗨 Zoom link

DAY 11	13 July 2020 (MONDAY)	
10:00 - 15:00	Day for practical exercises and working on team projects	🖨 Zoom link
15:00 - 17:00	Team project defense	🗅 Zoom link
17:00 - 18:00	Closing ceremony	🖸 Zoom link

THANK YOU FOR ATTENDING 3MUGIS 2020

3MUGIS 2021 in Brief

3MUGIS SUMMER SCHOOL 2021 "ANTHROPOGENIC AND NATURAL SOIL LANDSCAPES IN EUROPEAN RUSSIA: FROM SEA TO SEA"

practical exercises in RUDN University in Moscow

16-days field tour from Teriberka (69N; 35E) to Abrau-Durso (44N; 37E)

- 6 bioclimatic zones from Tundra to Subtropics
- 4 natural reserves

Teriberka - a village on the shore of the Arctic Ocean

CONTACTS

Dr. Anna Paltseva (CUNY Brooklyn College)

- Typical Chernozems the most fertile soils in the world
- Kursk Magnetic Anomaly the largest world ore mining area
- Starocherkask a historical area of kozak's culture
- 🗹 Advance techniques of on-site monitoring (XRF, IRGA, EC)
- Hiking, banya and local food

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http://3mugis.org/









