



3MUGIS 2020 INTERNATIONAL ONLINE SUMMER SCHOOL

July 3 – 13, 2020

L0 Introduction to 3MUGIS

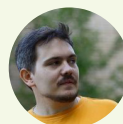
10:00 - 10:30

**Vyacheslav Vasenev**
RUDN University, Russia**L1 Tree Talkers: new generation technique for tree monitoring**

10:30 - 12:00

**Riccardo Valentini**
RUDN University, Russia / UNITUS, Italy12:00 - 12:30 **Break****P1 Evaluating ESs of urban trees real-time**

12:30 - 14:00

**Victor Matasov**
RUDN University, Russia**Alexsey Yaroslavtsev**
RUDN University, Russia14:00 - 14:30 **Intro video 1**14:30 - 15:00 **Break****L2 Current State of Climate and Future Development – Drivers, Consequences, Challenges**

15:00 - 16:00

**Michael Leuchner**
RWTH, Germany**L3 Urban climate: measuring, modeling and assessment**

16:00 - 17:00

**Pavel Konstantinov**
Lomonosov Moscow State University, Russia17:00 - 17:30 **Opening ceremony**17:30 - 18:30 **Team building and designing project work Intro**18:30 - 19:00 **Short summary of DAY 1**

DAY 2

4 July 2020 (SATURDAY)

L4 Carbon stocks and fluxes in urban soils: from local to global

10:00 - 11:30



Vyacheslav Vasenev
RUDN University, Russia

11:30 - 12:00 **Break**

P2 Estimating C balance of urban green lawns

12:00 - 14:00



Olga Gavrichkova
National Research Council, Italy



Kristina Ivashchenko
RUDN University, Russia

14:00 - 14:30 **Intro video 2**

14:30 - 15:00 **Break**

L5 Assessing soil pollution by heavy metals

15:00 - 16:30



Zhongqi Cheng
City University of New York, USA

P3 Mapping multiple pollution by heavy metals

16:30 - 18:30



Anna Paltseva
City University of New York, USA



Olga Romzaykina
RUDN University, Russia

18:30 - 19:00 **Short summary of DAY 2**

DAY 3

5 July 2020 (SUNDAY)

10:00 - 19:00 **Day for practical exercises and working
on team projects**

DAY 4

6 July 2020 (MONDAY)

L6 Urban lawns: ecological and cultural phenomena

10:00 - 11:30



Maria Ignatieva

The University of Western Australia, Australia

11:30 - 12:00 **Break**

L7 SUITMAs: formation, functions and ESs

12:00 - 14:00



Jean Louis Morel

Lorraine University, France

14:00 - 14:30 **Intro video 3**

14:30 - 15:00 **Break**

P4 How to consider ESs of SUITMAs in urban planning

15:00 - 18:00



Geoffroy Sere

INRA, France

18:30 - 19:00 **Short summary of DAY 4**

DAY 5

7 July 2020 (TUESDAY)

L8 Practical tools for green infrastructure management and assessment

10:30 - 12:00



Carlo Calfapietra

National Research Council, Italy

P5 Practical tools for green infrastructure management and assessment

12:00 - 14:00



Carlo Calfapietra

National Research Council, Italy

14:00 - 14:30 **Intro video 4**

14:30 - 15:00 **Break**

DAY 5 (CONTINUE)

7 July 2020 (TUESDAY)

L9 Cultural services of urban green spaces

15:00 - 16:30



Diana Dushkova
Humboldt University, Germany

16:30 - 18:00 **Guidance for team projects**

18:30 - 19:00 **Short summary of DAY 5**

Smart and Sustainable Cities Online Conference

DAY 6

8 July 2020 (WEDNESDAY)

10:30 - 11:30 **Plenary session**

Session 1

11:30 - 13:00 **Monitoring and assessment of tree health and stability in cities**

13:00 - 13:30 **Break**

Keynote

13:30 - 14:30



Alexander Baklanov
World Meteorological Organization (WMO)

Session 2

14:30 - 16:00 **Urban climate and air quality (PEEX "Pan-Eurasian Experiment" Session)**

16:00 - 17:00 **Poster session**

17:00 - 17:30 **Opening ceremony**

Round table 2

17:30 - 19:00 **Ecosystem services assessment for sustainable landscape architecture: from science to practice**

19:00 - 19:30 **Short summary of DAY 6**

Smart and Sustainable Cities Online Conference

DAY 7

9 July 2020 (THURSDAY)

10:00 - 11:30 **Session 3**
Soil-water-atmosphere interactions in cities

11:30 - 13:00 **Round table 1**
New techniques in monitoring urban infrastructure:
from science to policy-makers

13:00 - 13:30 **Break**

13:30 - 15:00 **Session 5**
Soil quality assessment for sustainable management
of urban soil resources

15:00 - 16:00 **Poster session**

Keynote

16:00 - 17:00



Peter Groffman

CUNY Advanced Science Research Center, Brooklyn College, USA

17:00 - 18:30 **Session 6**
Biogeochemical cycles in urban soils and ecosystems

19:00 - 19:30 **Short summary of DAY 7**

Smart and Sustainable Cities Online Conference

DAY 8

10 July 2020 (FRIDAY)

10:00 - 11:30 **Session 4**
Assessment, modelling and mappings urban
ecosystem services

11:30 - 13:00 **Session 8**
Health risks in urban environment

13:00 - 13:30 **Break**

Smart and Sustainable Cities Online Conference

DAY 8 (CONTINUE) 10 July 2020 (FRIDAY)

Keynote: Nature Based Solutions in the New Green Deal perspective

13:30 - 14:30



Carlo Calfapietra
National Research Council, Italy

Session 7

14:30 - 16:00

Nature-Based Solutions and Urban Farming: challenges and perspectives

Round table 3

16:00 - 17:30

University campus as an open lab for sustainable green solutions and innovative education synergy

17:30 - 18:00

Short summary of the conference

18:00 - 18:30

Closing ceremony

19:00 - 19:30

Short summary of DAY 8

DAY 9

11 July 2020 (SATURDAY)

10:00 - 16:00

Day for practical exercises and working on team projects

Workshop: How to write a scientific paper?

16:00 - 18:00



Yakov Kuzyakov
GAU, Germany



Michael Leuchner
RWTH, Germany

DAY 10

12 July 2020 (SUNDAY)

10:00 - 19:00

Day for practical exercises and working on team projects

10:00 - 15:00 **Day for practical exercises and working on team projects**

15:00 - 17:00 **Team project defense**

17:00 - 18:00 **Closing ceremony**