



Smart and Sustainable Cities(SSC-2018) Conference
«Green technologies and infrastructure to enhance
urban ecosystem services»

Russia Moscow 23-26 May 2018



The International Union of Soil Sciences
People's Friendship University of Russia (RUDN University)
Lomonosov Moscow State University
Russian State Agrarian University –
Moscow Timiryazev Agricultural Academy
Institute of Geography, Russian Academy of Sciences

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among Global Research and Educational Centers «5-100»

Erasmus+ Jean Monnet Program

Information letter # 1

on the Smart and Sustainable Cities Conference
to be held on May 23 -26 2018 in Moscow, Russia

Moscow
2018



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Dear colleagues!

We are very pleased to invite you to participate in the **Smart and Sustainable Cities (SSC-2018) Conference**. **SSC-2018** will be held in Moscow, Russia on May 23-26 2018. The conference will be hosted by the Peoples' Friendship University of Russia (RUDN University, www.rudn.ru). This year's theme for the conference will be **«Green technologies and infrastructure to enhance urban ecosystem services»**.

Urbanization is a global tendency. Up to 70% of the world population is projected to live in cities by 2050. How will this rapid urbanization alter the face of the world? What are the environmental consequences of megacities' expansion? What are smart solutions to make life in cities safe, comfortable and environmentally friendly? These and other important questions are addressed by the conference SSC-2018 conference. The SSC-2018 continues the series of international events focused on urbanization, its environmental consequences and possible solutions: Megacities 2050 conference (2016) and SUITMA 9 congress (2017). The previous meetings provided an excellent discussion platform for a broad audience, including scientific and research community, municipal services, environmental protection agencies and stakeholders working in urban management and greenery. SSC conference will remain and strengthen the developed interdisciplinary status of the meeting and at the same time will put extra attention to technological solutions in smart cities, including big data analysis, internet of things etc.





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CONGRESS VENUE

Moscow is among the largest world megalopolises exposed to continuous urban development. RUDN is an international classical university. Preparation of the highly qualified experts in various professional fields, educating young people with excellent career perspectives worldwide and joining people of different nationalities, races and religions with knowledge, are the key priorities of RUDN University (www.rudn.ru)

SCIENTIFIC PROGRAM

Sessions

- S.1 Monitoring and environmental impact assessment in urban ecosystems.
- S.2 Green infrastructure and nature-based solutions for sustainable cities
- S.3 Urbanization effect on air and water quality
- S.4. Urban climate and climate change resilience
- S.5. Functions and ecosystem services of SUITMAs: from theory to practice
- S.6 Soil pollution and remediation.
- S.7 Biogeochemical cycles in urban soils and ecosystems.
- S.8 Urban farming: challenges and perspectives
- S.9. Assessment, modelling and mappings urban ecosystems
- S.10 Health risks in urban environment
- S.11 Socio-economic and cultural issues of urban sustainability
- S.12 Urban planning for sustainable city development

Workshops

- W.1 Internet of skills and emerging networks in a sustainable city.
- W.2 Green chemistry for the future sustainable urban development.

Round tables

- T1. Current opinions on sustainable urban development: from science to policy-makers
- T2. Advance technologies for sustainable urban development: from science to practioners
- T3. Excellences and knowledge gaps in urban sustainability: from science to education



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SCIENTIFIC COMMITTEE

VALENTINI Riccardo (Italy), PHILIPPOV Vladimir (Russia), RUTELLI, Franchesco (Italy), SAMUILOV Konstantin (RUDN), MOREL Jean Louis (France), CALFAPIETRA Carlo (Italy), DOVLETIAROVA Elvira (Russia), LAL Rattan (USA), CARRARO Carlo (Italy), PLYUSHCHIKOV Vadim (Russia), ZHANG Ganlin (China), SCHWARTZ Christophe (France), KASIMOV Nikolay (Russia), LINDBO David (USA), GERASIMOVA Marya (Russia), KUZYAKOV Yakov (Germany), VOSKRESENSKY Leonid (RUDN), CHENG Zhongqi (Joshua) (USA), PROKOFIEVA Tatyana (Russia), WESSOLEK Gerd (Germany), VASENEV Ivan (Russia), RONGLIANG Qiu (China), VASENEV Viacheslav (Russia), KONSTANTINOV Pavel (LMSU), ABAKUMOV Eugeny (Russia), BUCHNER Barbara (USA), ANANYEVA Nadehda (Russia), STOORVOGEL, Jetse (Netherlands), GOULD Kenneth (USA), KASAKI Takashi (Japan), LEAKE Simon (Australia), SMAGIN Andrey (Russia), KIM Kye-Hoon (South Korea)

CONFERENCE MATERIALS

Guidelines for authors:

SSC-2018 conference will include the plenary session, key-note lectures, 12 sessions, 3 round tables and 2 workshops. Both oral presentations and posters are welcome for the sessions, whereas only invited lectures are accepted for the round tables and workshops. English is an official working language of the conference. Simultaneous translation will be provided at the plenary session and at the selected sessions and round tables.

Poster session

Posters are recommended in format A0 (841 mm width × 1189mm height). Please see the congress program for the number of each poster and corresponding poster desk, day and time of the poster session. The authors are kindly asked to put up their posters on the day of the specific session before the display time and to take down the posters after the same day after the display time. All the material necessary for attaching poster to poster desks are available at the service desks in the poster area. Our assistants will be glad to provide any necessary help. All the authors are supposed to present posters in person during the display hours.

Oral presentations

Oral presentation includes a 10 minutes talk and extra 3 minutes for discussion. The authors are kindly asked to follow the time requirements. The authors can send their presentations in .ppt or .pdf format to e-mail info@ssc-conf.org in advance or upload them directly before the specific session.



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PUBLICATIONS

The participants of the SSC-2018 conference will have an opportunity to publish their contributions in the following formats.

- ◆ SSC-2018 Materials will contain the abstracts, submitted to the congress, reviewed and approved by the scientific committee. SSC-2018 Materials will be available on-line as an Abstract book. Each participant can publish one abstract in the SSC-2018 Materials free of charge. For the fees for additional publications please see the “Registration fees” at the SSC-2018 web-site.
- ◆ SSC-2018 Proceedings will contain conference papers. Conference papers will be collected starting from June 15th and until August 30th. The submitted papers will be reviewed by the editorial board and accepted papers will be published by Springer Geography and indexed in Web of Science. The information on the author requirements and publication fees will be available soon at the SSC-2018 web-site.
- ◆ SSC-2018 organizing committee explores opportunity to publish conference papers in the special issues of high-rank per-reviewed journals: of Environmental Quality (Scopus IF = 2.7) and Soil Science (Scopus IF = 0.8). The papers will be collected starting from August 15th and until October 1st and will be processed by the editorial board following the standard review procedures of the journals. The publication of the special issues is expected in 2019.

3MUGIS-2018 SUMMER SCHOOL

In parallel to SSC-2018 the 2nd International summer school «**Monitoring, modeling and managing urban soils and green infrastructure**» (**3MUGIS-2018**) will take place. **3MUGIS** summer school is an annual event, organized by RUDN University (Russia) and Urban Soil Institute (USA) under umbrella of the International Union of Soil Science (IUSS). The summer school aims to provide a solid background practical skills training in addressing impacts of urbanization through the monitoring and assessment of urban soils, design and maintenance of urban green infrastructure, and projects of sustainable urban development. **3MUGIS-2018** summer school will host international groups up to 30-35 students. Students will be provided with accommodation at the university campus, two meals per day and all necessary material for courses. Visa support, including preparation of the invitation letters, will be also provided by the organizers. **3MUGIS** participants will be registered for the **SSC-2018** conference free of charge. The registration for **3MUGIS** is already open at 3MUGIS.org.



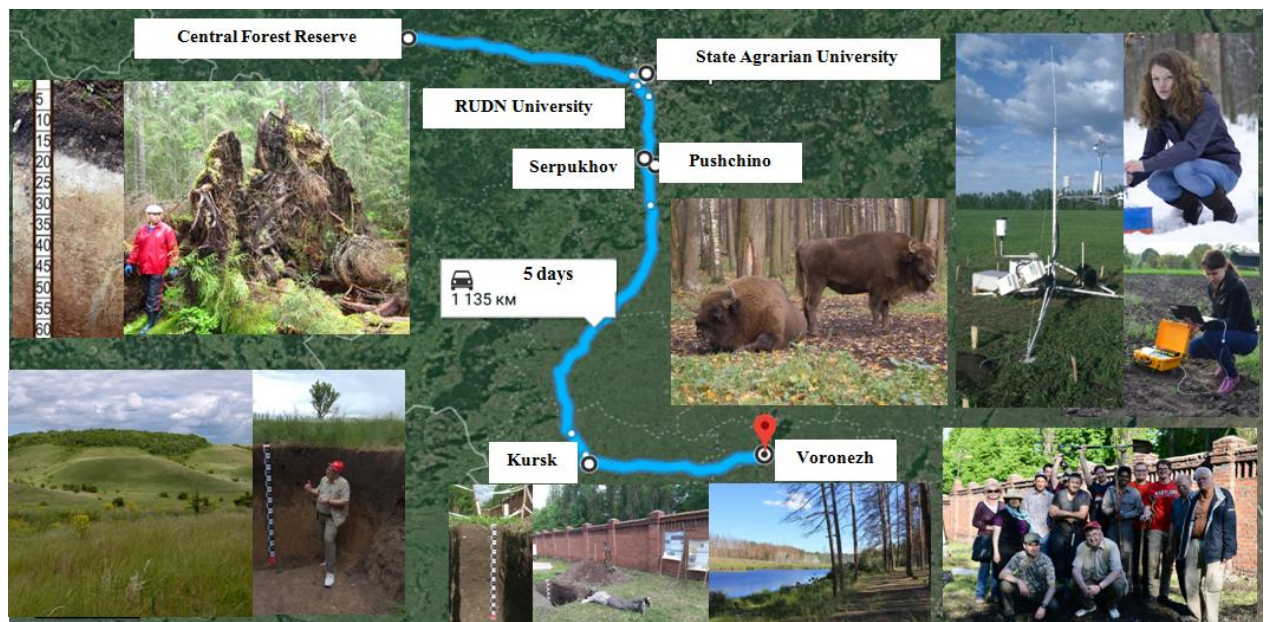
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FIELD TOUR

Urbanization is responsible for substantial alteration of vegetation and soil with natural plants and soils converted to urban, which are very specific in features, functions and services. Urban soils and greenery are exposed to anthropogenic pressure and also influenced by traditional environmental factors, therefore relict zonal signs are complemented and complicated by new technogenic and anthropogenic features. Studying zonal specifics of urban landscapes is especially interesting in a heterogeneous Central region of Russia, where natural conditions vary from taiga in the North to steppe in the South. The field tour will pass through several bioclimatic zones: taiga, deciduous forest, forest-steppe and steppe landscapes of Tver, Moscow, Tula, Voronezh and Kursk regions. Soil part of the excursion will include Podzols, Retisols, Luvisols and, of course, Chernozems, considered as the highest standard of soil fertility and the main natural resource of the area. We will visit the experimental sites of long-term complex environmental monitoring RusFluxNet in Central Forest Reserve and Central-Chernozemic Reserve, the oldest agrarian university in Russia – Moscow Agricultural Academy named after K.A. Timiryazev, forest, cropland and urbanized landscapes of Serpukhov districts in Oka river valley. Natural soils and landscapes will be studied in comparison to Techosols and green infrastructure of Moscow, Pushchino, Serpukhov, Kursk and Voronezh – Central-Russia cities with long history and interesting culture. A spacious social program will include observing parks and green zones, visiting museums, including a unique soil museum named after V.R. Vilyams and the oldest in Moscow observatory and meteorological station named after V.A. Mikhelson.





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REGISTRATION FEES

Participant's category	Conference fee	Publication fee for an additional abstract
Regular	300 \$	20 \$
Students, PhD students and young scientists (age of 35 or younger)	250 \$	25 \$
Emeritus participants (age of 60 or older)	250 \$	25 \$
Day-ticket for all participant's categories	150\$	20 \$
Accompanying persons	100\$	
Guest visitor	300\$	
Russian participants (Regular)	10000 RUB*	1500 RUB*
Russian students, graduate students, young scientists (35 years and younger)	6000 RUB*	1000 RUB*
Emeritus (60 years and older) Russian participants	6000 RUB*	1000 RUB*
One-day registration for Russian participants (all categories)	4000 RUB*	1500 RUB*

* Expences for paricipants from Russia and CIS are partly covered by RF Scientific foundations.

Participation grants for young researchers will be available at the contest basis. Please see news at the ssc-conf.org and updates on the Smart and Sustainable Cities Conference Facebook page for more details.

IMPORTANT DATES

January 11 2018 – on-line registration is open

March 15 2018 – deadline for abstract submission for oral presentations

April 1 2018 – abstract approval and decision on the presentation type (oral/poster)

April 15 2018 – deadline for abstract submission for posters

May 1 2018 – deadline for registration and subscribing for post-congress tours

Registration is available at the conference web-page ssc-conf.org



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CONTACTS

Smart and Sustainable Cities Conference will be held at the RUDN University(address: Miklukho-Maklaya str. 6, Moscow, Russia 117198)

How to get:

- 1) Take the metro to the Belyaev station (exit to the «Vityaz» cinema), then take the bus №752 or 261 or the route cab to the station «RUDN» stop
- 2) or take the metro to the Yugo-Zapadnaya station, then take the buses № 699, 196, 250, 752, 261, 226 or 718 or the route cab to the station «RUDN» stop



Coordinators of SSC-2018

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Kind regards and see you in Moscow,

The rector of RUDN

The Head of the Organizing committee

V.M. Philippov

The Head of the Scientific committee

R. Valentini