



## PEEX co-organized Smart and Sustainable Cities, Moscow, May 2018

[Smart and Sustainable Cities](#) (SSC) was held in Peoples' Friendship University of Russia (RUDN) at Moscow on 23–26 May 2018. PEEX as a conference co-organizer held a session “Urbanization effect on climate, air and water quality (PEEX “Pan-Eurasian Experiment” Session)” conveyed by Pavel Konstantinov (LMSU, Russia) and Rik Leemans (Wageningen University, Netherlands). SSC conference is a continuation of the series of international events focused on urbanization, its environmental consequences and possible solutions: Megacities 2050 conference (2016) and SUITMA 9 congress (2017). This year’s theme for the conference was «Green technologies and infrastructure to enhance urban ecosystem services».

Urbanization effect on climate, air and water quality session took one time slot (1.5 hours) and contained 6 talks:

1. Urbanization effects on water quality in Lake Baikal catchment. Sergey Chalov (LMSU, Russia)
2. Urban SMEAR “How urban observations increase our understanding on the effect of green infrastructures on cities’ climate?” Leena Jarvi (University of Helsinki, Finland)
3. Investigation of urban-induced climate anomalies of Moscow megacity based on the observations and numerical mesoscale modelling. Mikhail Varentsov et al (LMSU, Russia)
4. Green infrastructure for improving air quality. Carlo Calfapietra (IBAF CNR)
5. Urban Heat Island Arctic Research Campaign (UHIARC) as a tool for investigation of urban climates in Arctic. Pavel Konstantinov et al (LMSU, Russia)
6. Water reclamation from unconventional sources - Possibilities and challenges for urban ecosystem services. Frank Rögener (TH Köln)

PEEX Session included also a poster presentation by Janos Unger (University of Szeged) “Comparison of urban-rural thermal reactions based on local climate zone approach and satellite images from two medium-sized cities with mid-latitude climate”.