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LOMONOSOV MOSCOW STATE UNIVERSITY, RUSSIA



**Thematic Session:
Pan-Eurasian Experiment (PEEX): A Research Initiative Responding Grand
Challenges of Changing Environment in Northern Pan-Eurasian Arctic-Boreal Areas**

Moscow, Russia
17-21 August, 2015

DESCRIPTION OF A SESSION TOPIC

Pan-Eurasian Experiment (PEEX) is a new multidisciplinary, global-change research initiative focusing on understanding the climate-biosphere-hydrosphere-cryosphere interactions and feedbacks in Arctic and boreal regions in the North Eurasia geographical domain. PEEX operates in an integrative way, and aims at solving the major scientific and societal questions at many scales using tools from natural and social sciences and economics. The research agenda identifies the most urgent large-scale research questions and topics of the land-atmosphere-aquatic-anthropogenic systems and interactions, and feedbacks between the systems for the next decades. PEEX gathers leading European, Russian and Chinese research groups. With a bottom-up approach, over 40 institutes and universities from 18 countries have contributed the PEEX Science Plan. In 2014 the PEEX community has prepared Science Plan and initiated conceptual design of the PEEX land-atmosphere observation network and modelling platform. Here the PEEX approach is presented as a whole with due regard to research agenda and design of the PEEX research infrastructure.

HOW TO REGISTER

Participants of the session should register for the IGU-2015 conference at www.igu2015.ru and submit abstracts through the online registration service. While looking the relevant session where you want to present a paper, please choose the thematic session "Pan-Eurasian Experiment (PEEX): A Research Initiative Responding Grand Challenges of Changing Environment in Northern Pan-Eurasian Arctic-Boreal Areas".

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