



**4th Workshop on Pan-Eurasian Experiment (PEEX)
St. Petersburg Russia, 4th-6th March, 2014
AGENDA**

**The headquarters of the Russian Geographical Society Grivtsova
Pereulok, 10, Saint Petersburg, 190000, Russian Federation
<http://int.rgo.ru/contacts/>**

TUESDAY 4. March

Arrival of the meeting participants to St. Petersburg

16:30 "Aerosols in Arctic " bilateral meeting, Olga Popovicheva (specific meeting, by invitation only)
17:00 Preliminary Phase Committee Meeting (specific meeting, by invitation only)

18:00- PEEX-4 workshop - Registration

19:00 Ice Breaker Party

WEDNESDAY 5. March

08:00 PEEX-4 workshop - Registration

09:00 Opening of 4th PEEX workshop

- Rector of the Russian State Hydrometeorological University in St. Petersburg Prof. Lev Karlin
- First Vice-President of the Russian Geographical Society Prof. Nikolay Kasimov

SESSION: PEEX INITIATIVE STATUS OVERVIEW

09:20 Aim of the workshop, Markku Kulmala, Univ. Helsinki

- 09:40 Research objectives and goals of Russian partnership projects complementary to PEEEX initiative. V.G.Bondur, ISR "AEROCOSMOS", Russia
- 10:20 PEEEX-China future prospects, Jiahua Zhang, Center for Earth Observation and Digital Earth, CAS
- 10:40 PEEEX Science Plan, implementation structure, Hanna Lappalainen, Univ. Helsinki
- 11:00 PEEEX Infrastructure and observation networks status overview, Tuukka Petäjä, Univ. Helsinki
- 11:20 PEEEX Modelling Platform, Alexander Baklanov, WMO

SESSION: INTRODUCTION OF NEW PEEEX RELEVANT RESEARCH AND RESEARCH INFRASTRUCTURES

- 11:40 PEEEX Satellites, Gerrit de Leeuw, Finnish Meteorological Institute

12:00 Lunch

SYSTEMS

- 13:00 *Biogeochemical systems in the Arctic-boreal context*, Martin Heimann, Max Planck Institute for Biogeochemistry, Jena

LAND ECOSYSTEMS

- 13:20 Upper-Volga region "scientific cluster" in the PEEEX project, Evgeny Mareev, Institute of Applied Physics, RAS

MARINE

- 13:40 Changing climate system in the marine Arctic, Timo Vihma Finnish Met institute
- 14:00 Remote sensing of the Arctic Ocean and atmosphere, Leonid Bobylev, Nansen Environmental and Remote Sensing Center

ANTHROPOGENIC

- 14:20 Black Carbon from Diesel Sources in the Russian Arctic, Vladimir S. Malyshev, Energy and transport department MSTU
- 14:40 Introduction to PEEEX JPI-CLIMATE research plan and proposal, Timo Vesala, Univ. Helsinki

15:00 coffee break

- 15:20 Beautiful Beijing research plan, Leena Järvi Univ. Helsinki

15:40 SESSION: PEEEX INFRASTRUCTURE - DATA POLICY

- 15:40 Commonalities and integration of European Environmental Research Infrastructures, Ari Asmi Univ.Helsinki
- 16:00 Russian data policy, NN
- 16:20 Current status and future prospects of the TOMSK station, Mikhail Arshinov, V.E. Zuev Institute of Atmospheric Optics
- 16:40 AARI observation networks, Alexander Makshtas, RUSHYDROMET
- 17:00 PEEEX- China observation networks, Joni Kujansuu, Univ. Helsinki
- 17:20 New aircraft laboratory, Yury Borisov, Central Aerological Observatory

SESSION: Working Groups

- 17:40 **Working Groups** - PEEEX observation network - conceptual design
 wg-1 in-situ, chair T. Petäjä
 wg-2 satellites, chair G. de Leeuw

wg-3 modelling, chair A. Baklanov
wg-4 PEEEX marine component, chair NN
wg-5 PEEEX integration, chair A. Shvidenko
18:30 closing
19:00 Joint dinner

THURSDAY 6. March

SESSION: PEEEX INTERNATIONAL ACTIVITIES AND COLLABORATION

09:00 Socio-ecology-economic research activities in the PEEEX region – status and needs, A. Shvidenko
IIASA
09:20 The direct and indirect impact of climate change on ethnodiversity, Juha Janhunen University of
Helsinki
09:40 ARCTIC- BOREAL Vulnerability Experiment, Elisabeth Larson NASA
10:20 Stable Boundary Layers and Diurnal Cycles - Challenges for Weather and Climate Models, B. Holstlag
Wageningen University
10:40 Future Earth, Diana Greenslade, The International Council for Science (ICSU)

11:00 SESSION: PEEEX Education

11:00 PEEEX labeled education and training, Taina Ruuskanen, Univ. Helsinki, Tatjana Regaerand, KarRC of
RAS
11:20 China education activities, Yong Xue, CAS
11:40 EU Marie Curie ITN PEEEX proposal, Antti Lauri, Univ. Helsinki

12:00 lunch

SESSION: Working Groups

13:00 Working Groups
14:30 Reporting of WGs and discussion

15:30 coffee break

16:00 GENERAL ISSUES

- PEEEX Science Plan
- PEEEX Sessions in EGU, iLEAPS conference – abstracts
- CRAICC-PEEX Pilot Workshops
- Funding applications
- WGs Next steps
- Next meeting

17:00 Closing of the Workshop

Organizing committee

Director of Atmospheric Sciences Division, Prof. Markku Kulmala, Univ. Helsinki
Prof. Sergej Zilitinkevich, Finnish Meteorological Institute
Rector of the Russian State Hydrometeorological University in St. Petersburg Prof. Lev Karlin
First Vice-President of the Russian Geographical Society Prof. Nikolay Kasimov
PEEX Executive Officer Dr. Hanna Lappalainen, Univ. Helsinki /Finnish Meteorological Inst.
PEEX Science Director Prof. Tuukka Petäjä Univ. Helsinki
PEEX Project Officer Dr. Joni Kujansuu
iLEAPS IPO Project Manager Alla Borisova, Univ. Helsinki
Project Assistant Leevi Viisanen, Univ. Helsinki
Dr. Alexey Isaev, RSHU
Ms. Irina Telnova, RSHU