

Pan-Eurasian Experiment

PEEX

MOSCOW 2017
19-22 September

PROGRAMME BOOK

THE 3RD PEE X SCIENCE CONFERENCE
and 7TH PEE X MEETING
IIASA WORKSHOP

ORGANIZERS



PAN-EURASIAN EXPERIMENT



LOMONOSOV
MOSCOW STATE UNIVERSITY



UNIVERSITY OF HELSINKI

UNIVERSITY OF HELSINKI



RESEARCH INSTITUTE FOR
AEROSPACE MONITORING



INSTITUTE OF REMOTE SENSING
AND DIGITAL EARTH CHINESE
ACADEMY OF SCIENCE



INTERNATIONAL INSTITUTE FOR
APPLIED SYSTEMS ANALYSIS



RUSSIAN GEOGRAPHICAL SOCIETY



NORDFORSK



RUSSIAN FOUNDATION
FOR BASIC RESEARCH



PEEX CONFERENCE 2017

The goal of the 3rd PEEX Science Conference is to bring together professional and scientific experts under research themes related to **atmosphere – land ecosystems – aquatic – anthropogenic activities – Northern societies** in the Northern Eurasian region. A **system understanding workshop** will be part of the conference program, organized in collaboration with IIASA. The 7th PEEX Meeting serves to advance the implementation of the PEEX vision, including establishing and maintaining long-term, coherent and coordinated research activities, observation networks and educational activities across the PEEX domain. The conference is hosted by Moscow State University.

VENUE

MSU Shuvalovsky sector: Lomonosovsky prospect 27, Bld.4



Oral sessions will take place in the rooms located at 1st (B1), 3rd (A306, E355, A307) and 5th (Г518, Г510, 512) floors.

ORGANIZING COMMITTEE

SCIENTIFIC COMMITTEE

CHAIR

Prof. Nikolay Kasimov, Moscow State University

CO-CHAIRS

Prof. Valery Bondur, AEROCOSMOS

Prof. Markku Kulmala, University of Helsinki

Prof. Sergey Dobrolyubov, Moscow State University

Prof. Guo Huadong, RADI

MEMBERS

Prof. Alexander Baklanov, WMO

Prof Kirill V. Chistyakov, St. Petersburg State University

Prof. Aijun Ding, Nanjing University

Prof. Alexey Gvishiani, RAS

Prof. Georgy Golitsyn, A.M.Obukhov Institute of Atmospheric Physics RAS

Prof. Hans C Hansson, Stockholm University

Prof Vladimir Kolosov, Moscow State University

Prof. Pavel Kabat, IIASA

Prof. Vladimir Kotlyakov, Institute of Geography RAS

Dr. Hanna Lappalainen, University of Helsinki

Prof. Gennady Matvienko, V.E. Zuev Institute of Atmospheric Optics SB RAS

Prof. Vladimir Melnikov Institute of the Earth Cryosphere SB RAS

Prof. Tuukka Petäjä, University of Helsinki

Dr. Anni Reissell, IIASA

Prof. Olga Solomina, Institute of Geography RAS

Prof. Yrjö Viisanen, Finnish Meteorological Institute

Prof. Sergej Zilitinkevich, Finnish Meteorological Institute

LOCAL ORGANIZING COMMITTEE

CHAIR

Dr. Sergey Chalov, MSU

MEMBERS

MSU: Dr. Pavel Konstantinov, Dr. Natalia Chubarova, Dr. Olga Popovicheva

AEROCOSMOS: Dr. Marina Tsidilina, Ms. Aleksandra Tushnova,

Ms. Elena Cherepanova

University of Helsinki: Ms. Alla Borisova, Dr. Joni Kujansuu,

Ms. Stephany Mazon, Ms. Päivi Haapanala

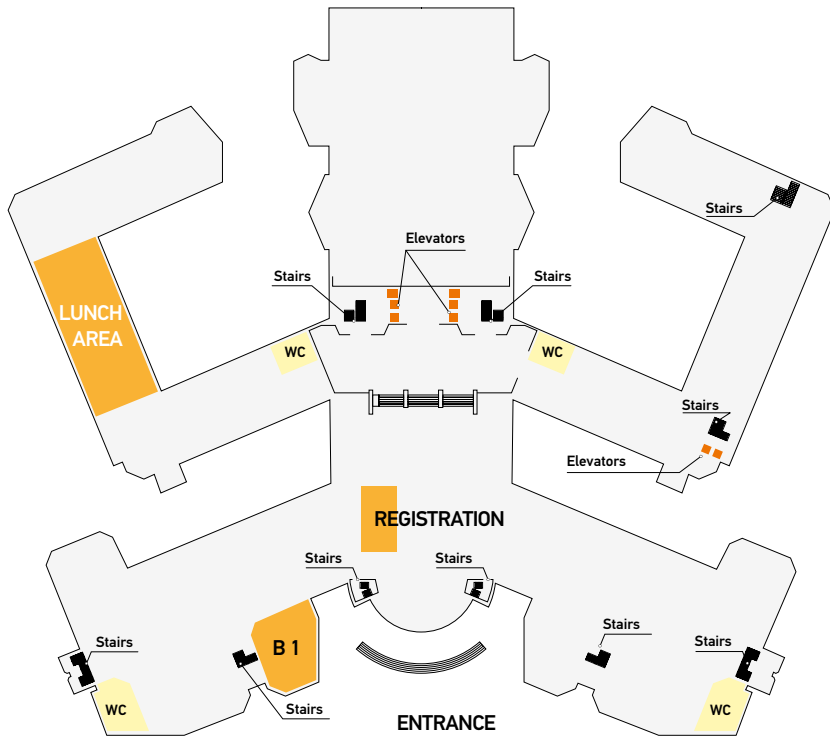
IIASA: Dr. Anastasia Emelyanova, Mr. Sergey Sizov, Ms. Katica De Pascale

RADI: Ms. Jie Liu

IAP: Dr. Andrei Skorokhod

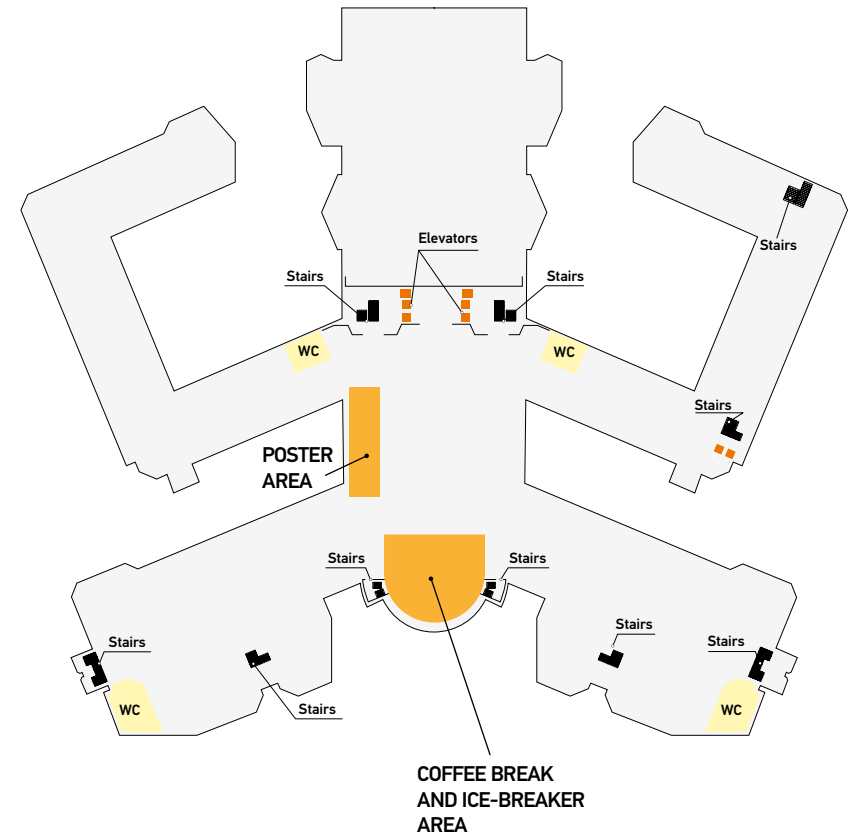
1st FLOOR

CONFERENCE BUILDING



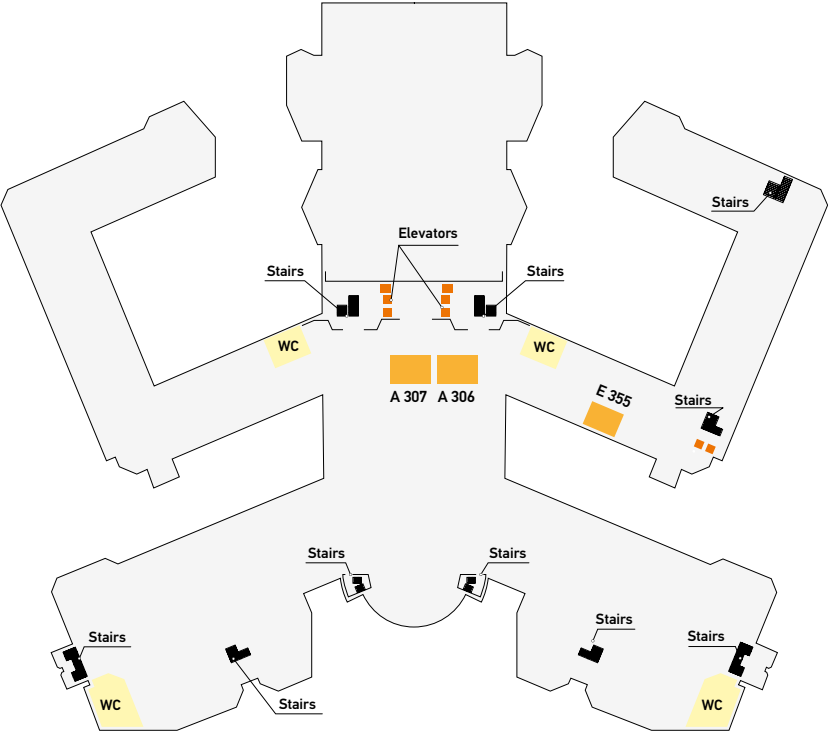
CONFERENCE BUILDING

2nd FLOOR



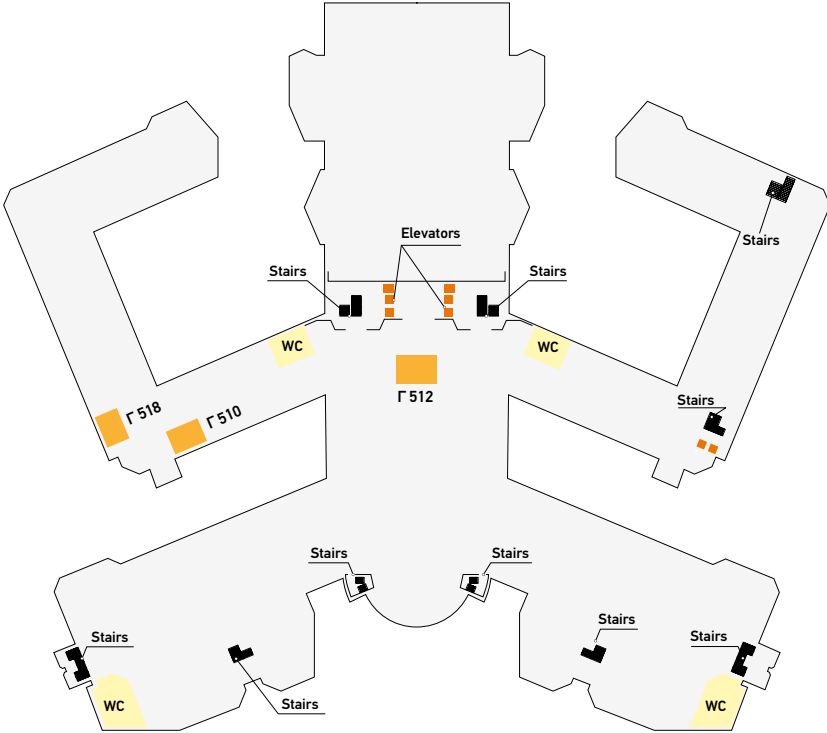
3rd FLOOR

CONFERENCE BUILDING



CONFERENCE BUILDING

5th FLOOR



PRACTICAL INFORMATION

REGISTRATION DESK

Registration desk will be open from Tuesday, 19 August, 9 a.m. until Friday, 22 September, at the central hall of the conference building (near the entrance). In order to obtain the conference badge and conference materials, a valid ID document with a photograph of its holder must be presented to the registration staff.

On the registration desk you may request for the registration fee invoice and certificate of attendance. Registration fee payment at conference desk is available only by cash. The ATM machine is located in the registration desk hall. Reimbursement of the LOC expenses for the non-USA, UK and Canada citizens invitations is also available at the registration desk (those who guaranteed reimbursement please make a necessary arrangements of the payment).

SAFETY REGULATIONS

For safety reasons, entrance to the conference buildings is controlled and available **ONLY FOR THE PARTICIPANTS WITH CONFERENCE BADGES**. The badge is also required to enter the ice-breaker cocktail party. 1 day registration provide an access to the conference meeting room and coffee break areas. Lunch is not included.

COFFEE AND LUNCH AREAS

Coffee-breaks and lunches will be provided in the conference building. 3 types of lunches are offered based on your choice: meat, fish or vegetarian. Request should be done at registration desk during registration.

Lunch areas: 1st floor.

Lunches are available according to the program on 20 and 21 Sept.

Coffee breaks: 2nd floor.

INTERNET ACCESS

Wifi is provided in all conference buildings.

ORAL SESSION

Oral sessions will take place in rooms located at 1st (B1), 3rd (A306, E355, A307) and 5th (Г518, Г510, 512) floors. The files with presentations should be installed in the computers available in lecture rooms at least 30 minutes before the beginning of a

particular session. The files should be delivered to the volunteers responsible for a given lecture room. It is recommended to install the presentations in advance to avoid any technical problems

POSTER SESSION

Posters are exhibited in the conference building (2nd floor) in the ice-breaker area during all conference days.

POSTER FORMAT REQUIREMENTS:

Size: AO (841 x 1189 mm)

Font: Arial

Font-sizes: 72 pt (main title), 48 pt (subtitles), 32 pt (body text)

Authors are kindly requested to put up their posters on 19 Tuesday before ice-breaker.

ICE-BREAKER AND POSTER PRESENTATIONS

Date: 19 September 2017, Tuesday, 19-22-00

Format: buffet

Drinks: wine and Russian vodka

Number of participants: available to all registered conference participants

Location: conference building, second floor

During the ice-breaker poster presentation will take place in the same hall. Authors should be available near the poster between 19 and 20 pm on 19 September.

GALA-DINNER

Gala Dinner will take place on 20 September 2017, 19:30 at Moscow River cruise boat. Moscow River – the river of the capital of Russia, small and rich, tied by concrete banks but still very attractive - the only one in Moscow unloaded «road». Since the number of seats is limited, places are reserved on a first-come, first-served basis. Ask registration desk about available places

Format: seat-down meal

Number of participants: 75 (first come, first served basis)

Shuttle bus will be provided to the conference participant from the conference building and to the hotel after the gala-dinner.

SIDE-EVENTS

Excursions to the museum of stones, located at Lomonosov Moscow State University campus, will be organized for conference participants during the days of the conference. Additional information will be provided during the conference.

FOLLOW-UP CONFERENCE PUBLICATIONS

Local Organizing Committee will provide a possibility to publish your contribution in the special issues prepared in the peer-reviewed journal based on the conference/session thematic.

All possible authors should declare the interest to contribute to the special issue at the registration desk during the conference (special form will be provided). The list of the journal will be decided based on the scope of submitted applications.

After the conference you will be announced on the journal requirements / details of your manuscript submission process.



HOW TO GET TO THE CONFERENCE BUILDINGS

JOINT BUS TRANSPORT FOR THE CONFERENCE PARTICIPANTS

On 19-22 September bus shuttles between conference venue and partner Korston and Radisson Slavyanskaya hotels will be provided for the participants free of charge. The offer is limited for those who booked the hotel using conference Promotional code. The exact time of the shuttles departure from hotels:

19 September:

10-00 (Departure from Radisson hotel)

10-20 (Departure from Korston hotel)

20 September:

08-00 (Departure from Radisson hotel)

08-20 (Departure from Korston hotel)

21 September:

08-00 (Departure from Radisson hotel)

08-20 (Departure from Korston hotel)

Transport from venue to the hotel will be additionally announced at the registration desk.

PUBLIC TRANSPORT

Public transport in Moscow is inexpensive, with a variety of options that include subway, bus, trolleybus, tram, routed minibus and taxi. The most popular and convenient is the subway (Moscow Metro). Tickets can be purchased at stations throughout the city. Trains normally arrive every 2 minutes, with longer intervals (up to 10 minutes) in some cases after peak daytime hours. They may be overcrowded during the work-day rush.

Hours of operation: 5:30AM – 1:00AM

Tickets for other forms of transport can be purchased in kiosks at the stops or on-board. Normal prices for a one-way ticket on different forms of transport:

Subway: 50 rubles

Routed minibus: 50 rubles

Trolleybus, tram, bus: 50 rubles

To hail a routed minibus or taxi you can just raise your hand.

Link to the Moscow subway map: http://russianmetro.ru/index_eng.php

From the metro station «Universitet» bus number 34, 67, 103, 130, 187, 260;
Stop «Fundamental Library», then just cross the street by underground walkway.

By foot: it takes 7-11 minutes to reach building B, 13-17 minutes to reach building C,
Building A is in between.



PROGRAMME SKELETON

TUESDAY | 19 Sept

TIME	THERME	ROOM
10:00–12:00	REGISTRATION	
12:00–12:15	OPENING CEREMONY	B1 (1st floor)
12:15–12:30	AIMS OF THE CONFERENCE	
12:30–14:00	SESSION: Europe-Russia- China collaboration, identification of the key topics for future collaboration (round table discussion)	
14:00–14:15	SHORT BREAK	
14:15–14:45	CONFERENCE OPENING KEYNOTE: Meinrat Andreae	B1 (1st floor)
14:45–15:30	SESSION: System understanding, Biogeochemical cycles, feedbacks, Earth system modelling, and Climate models	
15:30–15:45	GROUP PHOTO	
15:45–16:00	COFFEE BREAK	
16:00–16:30	INVITED TALK: Aleksander Baklanov	B1 (1st floor)
16:30–18:00	SESSION: Urban air quality	
18:15–19:00	SPECIAL SESSION, including Arto Mustajoki's INVITED TALK	
19:00–21:00	WELCOMING RECEPTION & POSTER SESSION	

WEDNESDAY | 20 Sept

TIME	THERME	ROOM
09:00–09:30	INVITED TALK: Alexey Gvishiani	A307 (3rd floor)
09:30–10:30	PARALLEL SESSIONS	
	• Natural hazards & remote sensing	A307 (3rd floor)
	• Meteorological aspects, heat islands of urban environments	E355 (3rd floor)
10:30–11:00	COFFEE BREAK	
11:00–12:00	PARALLEL SESSIONS	
	• Environment Change & Health, including Svetlana Malkhazova's INVITED TALK	E355 (3rd floor)
	• Arctic Aerosols, session organized by PEEEX in collaboration with IASOA, WMO-GAW	A307 (3rd floor)
	• Digital Belt and Road Initiative (Close Door Meeting)	A306 (3rd floor)
12:00–13:00	LUNCH (PEEX Steering Group lunch meeting)	
13:00–13:30	INVITED TALK: Huadong Guo	A307 (3rd floor)
13:30–14:30	SESSION: Digital Belt and Road Initiative (DBAR)	
14:30–15:00	COFFEE BREAK	
15:00–17:00	PARALLEL SESSIONS on «TOWARDS PEEEX IMPLEMENTATION» by PEEEX WORKING GROUPS	
	• PEEEX In situ observations: atmospheric–land system INVITED TALK: Stein Sandveid	A307 (3rd floor)
	• II PEEEX In situ observations: water systems	A306 (3rd floor)
	• III PEEEX Remote sensing INVITED TALKS: Valert Bondur and Gerrit de Leeuw	E355 (3rd floor)
	• IV PEEEX Modelling Platform	F510 (5rd floor)
	• V PEEEX Education	F518 (5rd floor)
	• VI PEEEX Environmental change & epidemics	Main building of MSU
17:00–17:30	COFFEE BREAK	
17:30–19:00	7 th PEEEX MEETING - open for all the conference participants to join in	A307 (3rd floor)
	• Short reports based on «PEEX IMPLEMENTATION SESSSIONS»	
	• Discussion	
19:30–22:00	DINNER	

THURSDAY | 21 Sept

TIME	THERME	ROOM
09:00–09:30	CONFERENCE KEYNOTE: Mikhail Mastepanov	A307 (3rd floor)
09:30–10:30	PARALLEL SESSIONS	
	• Permafrost thawing & Arctic greening (Land system)	A307 (3rd floor)
	• Arctic Boreal atmospheric composition (Atmospheric system)	A306 (3rd floor)
10:30–11:00	COFFEE BREAK	
11:00–11:30	CONFERENCE KEY NOTE: Alexander Makshtas on behalf of Ivan Frolov	A307 (3rd floor)
11:30–13:00	PARALLEL SESSIONS	
	• The Arctic Ocean, the Arctic maritime environments: Lakes, wetlands and large river systems INVITED TALK: Sergey Dobrolyubov	A307 (3rd floor)
	• Arctic–boreal land ecosystem & waters	512 (5rd floor)
	• Arctic atmospheric composition, PEEEX in collaboration with IASOA (continues)	A306 (3rd floor)
13:00–14:00	LUNCH	
14:00–15:00	PARALLEL SESSIONS	
	• Arctic boreal environments & meteorology & weather	A307 (3rd floor)
	• Long term trends in arctic boreal system	A306 (3rd floor)
15:00–15:30	COFFEE BREAK	
15:30–16:00	INVITED TALK: Lassi Heininen	A307 (3rd floor)
16:00–17:00	SESSION: Arctic Futures - PEEEX in collaboration with IASOA, IEAS and Sofia Earth Forum	
17:00–18:00	CONFERENCE CLOSING REMARKS INVITED TALK: Markku Kulmala	A307 (3rd floor)

FRIDAY | 22 Sept

TIME	THERME	ROOM
09:00–15:00	SYSTEM ANALYSIS FOR THE ARCTIC – IISA-AFI WORKSHOP	A307 (3rd floor)
09:00–11:00	IEAS-EUROPE, CLOSE DOOR MEETING	A306 (3rd floor)
13:00–16:00	ZOTTO GROUP, CLOSE DOOR MEETING	A306 (3rd floor)

