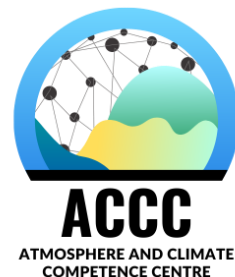




Pan-Eurasian Experiment

PEEX

**INAR**  
INSTITUTE FOR ATMOSPHERIC AND  
EARTH SYSTEM RESEARCH



## PEEX (Pan-Eurasian EXperiment programme) Online Seminar

**Date:** 9 April 2026, Thursday

**Time:** 10:50 am – 17:00 pm of Helsinki time (09:50 am – 16:00 pm of CET time)

**Organizers:** Hanna K. Lappalainen      hanna.k.lappalainen(at)helsinki.fi  
Alexander Mahura      alexander.mahura(at)helsinki.fi  
Tuukka Petäjä      tuukka.petaja(at)helsinki.fi  
Markku Kulmala      markku.kulmala(at)helsinki.fi

### The seminar main aims are:

- (1) to share results of research and educational activities at PEEEX partner universities/ organizations
- (2) to discuss future collaboration in a frame of climate change, air quality and environmental research as well as research infrastructures
- (3) to discuss PEEEX COST Action proposal improvements
- (4) ACP special issue: <https://peexhq.home.blog/2026/01/07/peex-special-issue-in-acp>

### Schedule of the PEEEX online seminar on 9 April 2026:

- 10:50-11:00 - Welcome and Short Introductory to PEEEX  
11:00-12:30 - Session I: Invited talks from PEEEX Partners/Organizations  
12:30-12:45 - coffee/ tea break (15 minutes)  
12:45-14:15 - Session III: Invited talks from PEEEX Partners/Organizations  
14:15-14:30 - coffee/ tea break (15 minutes)  
14:30-16:30 - Session III: Invited talks from PEEEX Partners/Organizations  
16:30-17:00 - Wrap-up, next steps, discussions on the PEEEX COST Action proposal & Wrap-up

**10:50-11:00** – Welcome and Short Introductory to PEEEX - by *Hanna K. Lappalainen* ([hanna.k.lappalainen\(at\)helsinki.fi](mailto:hanna.k.lappalainen(at)helsinki.fi)), *University of Helsinki, Institute for atmospheric and Earth System Research (UHEL-INAR)*

### 11:00-12:30 - Session I: Invited talks from PEEEX Partners/Organizations (chaired by *Alexander Baklanov, Tareq Hussein*)

- **11:00 (T01)** – Integrated systems and analysis of urban Mobility for climate-neutral and susTainable Cities in Europe and China (IMTECC) – by *Alexander Baklanov* ([abaklanov\(at\)nbi.ku.dk](mailto:abaklanov(at)nbi.ku.dk)), *University of Copenhagen, Niels Bohr Institute (UCPH-NBI), Denmark*
- **11:15 (T02)** – Scenario-Based and Climate-Adjusted Projections of PM<sub>2.5</sub> and SO<sub>2</sub> to 2050: Chemical Transport Modelling Evidence from Western Kazakhstan – by *Vitaliy Salnikov* ([vitali.salnikov\(at\)kaznu.edu.kz](mailto:vitali.salnikov(at)kaznu.edu.kz)), *Al-Farabi Kazakh National University (KazNU), Kazakhstan*
- **11:30 (T03)** – Meteorological and climatic research at Taras Shevchenko National University of Kyiv – by *Olga Schevchenko* ([shevchenko\\_olga\(at\)knu.ua](mailto:shevchenko_olga(at)knu.ua)), *Taras Shevchenko National University of Kyiv (TSNUK), Ukraine*
- **11:45 (T04)** – Renewable energy - Integrated master program at the Arctic University of Norway - by *Igor Ezau* ([igor.ezau\(at\)uit.no](mailto:igor.ezau(at)uit.no)), *The Arctic University of Norway, Norway /video-recording/*
- **12:00 (T05)** – Overview of EC-Earth activities within the PEEEX modeling platform – by *Risto Makkonen* ([risto.makkonen\(at\)fmi.fi](mailto:risto.makkonen(at)fmi.fi)), *Finnish Meteorological Institute (FMI), Finland*

- **12:15 (T06)** – Seamless modeling studies of aerosol-meteorology interactions at the Ukrainian Hydrometeorological Institute – by Mykhailo Savenets ([savenets\(at\)uhmi.org.ua](mailto:savenets@uhmi.org.ua)), Ukrainian Hydrometeorological Institute (UHMI), Ukraine

**12:30-12:45 - coffee/ tea break (15 minutes)**

**12:45-14:00 - Session II: Invited talks from PEEEX Partners/Organizations**  
(chaired by Alexander Baklanov, Tareq Hussein)

- **12:45 (T07)** – Forest data science and IoT in the times of AI - paradigm shifts in research and education – by Steffen Manfred Noe ([steffen.noe\(at\)emu.ee](mailto:steffen.noe@emu.ee)), Estonian University of Life Sciences (EULS), Estonia
- **13:00 (T08)** – Integrating Climate Education in Agricultural Curricula: Institutional Mission and Capacity Building – by Tetyana Dyman ([tetyanadyman\(at\)gmail.com](mailto:tetyanadyman@gmail.com)), Bila Tserkva National Agrarian University (BTNAU), Ukraine /video-recording/
- **13:15 (T09)** – How climate change affects Intangible Heritage: The case of Catalan human towers – by Jon Xavier Olano Pozo ([jonxavier.olano\(at\)urv.cat](mailto:jonxavier.olano@urv.cat)), Universitat Rovira i Virgili (URV), Spain
- **13:30 (T10)** – Air quality monitoring using low-cost sensors network in Amman city in Jordan – by Khaled Hazaymeh ([khazaymeh\(at\)yu.edu.jo](mailto:khazaymeh@yu.edu.jo)), Yarmouk University (YU), Jordan
- **13:45 (T11)** – The DSP: the Digital Sustainable Development Goals Programme – by Yubao Qiu ([qiuyb\(at\)radi.ac.cn](mailto:qiuyb@radi.ac.cn))/ Xiaoting Li ([lixt\(at\)aircas.ac.cn](mailto:lixt@aircas.ac.cn)), Digital Belt and Road Program (DBAR), and the International Research Center of Big Data for Sustainable Development Goals (CBAS), Chinese Academy of Sciences (CAS), China
- **14:00 (T12)** – Mechanism and Technology Application of Non-Uniform Environment Creation in Large Public Buildings – by Yu Zhao ([zhaoyu1220\(at\)dlut.edu.cn](mailto:zhaoyu1220@dlut.edu.cn)), Dalian University of Technology (DLUT), China

**14:15-14:30 - coffee/ tea break (15 minutes)**

**14:30-16:30 - Session III: Invited talks from PEEEX Partners/Organizations**  
(chaired by Alexander Baklanov, Tareq Hussein)

- **14:30 (T13)** – International Collaboration: AISUS+ Initiative: AI-Empowered Climate and AQ System for Urban Sustainability and Climate Resilience – by Xu Tang ([tangxu\(at\)fudan.edu.cn](mailto:tangxu@fudan.edu.cn)), Fudan University (FDU), China
- **14:45 (T14)** – PM10 Concentrations in Istanbul: A Comparative Analysis of 2024 and 2025 – by Hüseyin Toros ([toros\(at\)itu.edu.tr](mailto:toros@itu.edu.tr)), Istanbul Technical University (ITU), Türkiye
- **15:00 (T15)** – Fast-track futures: bridging education and work – by Anda Paegle ([anda.paegle\(at\)lu.lv](mailto:anda.paegle@lu.lv)) & Inga Skendere ([inga.skendere\(at\)lu.lv](mailto:inga.skendere@lu.lv)) Latvia University (LU), Latvia
- **15:15 (T16)** – Persistent Low-Water Phase of Major Ukrainian Rivers Flowing into the Northwestern Black Sea under Ongoing Climate Change – by Valeriya Ovcharuk ([valeriya.ovcharuk\(at\)gmail.com](mailto:valeriya.ovcharuk@gmail.com)), Mechnikov Odessa National University (ONU), Ukraine
- **15:30 (T17)** – Beyond Individual Projects: Odesa Polytechnic National University as a Hub for the Development of Transdisciplinary R&D Clusters – by Oleh Shablîi ([shablîi.o.v\(at\)op.edu.ua](mailto:shablîi.o.v@op.edu.ua)), Odesa Polytechnic National University (OP), Ukraine
- **15:45 (T18)** – Regional scale modelling for Europe: towards climate and air quality modelling convergence – by Sandro Finardi ([s.finardi\(at\)aria-net.it](mailto:s.finardi@aria-net.it)), ARIANET Srl, Italy
- **16:00 (T19)** – High Latitude Dust research: from observations to impacts on climate and society – by Pavla Dagsson-Waldhauserova ([pavla\(at\)lbhi.is](mailto:pavla@lbhi.is)), Agricultural Univ of Iceland (AUI), Iceland /video-recording/
- **16:15 (T20)** – Development and application of atmospheric transport models for assessing radioactively contaminated sites: experience of IMMSP – by Ivan Kovalets ([ivkov084\(at\)gmail.com](mailto:ivkov084@gmail.com)), Institute of Mathematical Machines and Systems Problems (IMMSP), Ukraine

**16:30-17:00 - Discussions on the PEEEX COST Action proposal & Wrap-up**