



Pan-Eurasian Experiment

PEEX

Join via zoom:

<https://helsinki.zoom.us/j/68261932088>

PEEX Online Meeting

Wednesday 28th April 2021, 12:30 EEST

Aims of the meeting:

- Introduce recent research highlights
- Discuss expectations and needs for PEEX collaboration
- Suggestions for the next PEEX Science Conference in 2022

Please register via this e-form: <https://elomake.helsinki.fi/lomakkeet/111303/lomake.html>

Time	Topic	Speaker	Title of presentation
Helsinki time (EEST)			
12:30		Hanna K. Lappalainen (INAR, FI)	Welcome
12:35 <i>keynote</i>		Markku Kulmala (INAR, FI)	PEEX Plenary
12:50		Nataly Chubarova (MSU, RU)	Changes in air quality and aerosol pollution in Moscow megacity and its direct and indirect impact on radiative and meteorological properties of the atmosphere due to COVID-19 pandemic lockdown in spring 2020 according to modelling and measurements.
12:55		Olga Popovicheva (MSU, RU)	1. Spring-summer 2020 aerosol pollution in Moscow metropolitan area 2. Climate-active aerosol components in the Siberian Arctic, by data from new-developed research aerosol station on island Bely.
13:00		Mikhail Arshinov (IAO SB RAS, RU)	1. Vertical distribution of aerosol particles over the Russian Arctic derived from in-situ aircraft measurements: the September 2020 campaign. 2. Vertical distribution of trace gases and aerosols over the Russian Arctic in September 2020
13:05 <i>keynote</i>		Eugene Mikhailov (SPbU, RU)	Water uptake of subpollen aerosol particles: hygroscopic growth, CCN activation, and liquid-liquid phase separation

ecosystem ● water ● aerosol ● weather ● society/education ● greenhouse gases ●

PEEX is a multi-disciplinary and multi-component climate change, air quality, environment, research infrastructure and capacity building programme.



Time	Topic	Speaker	Title of presentation
13:15	Water	Tomi Karppinen (FMI, FI)	Satellite-based analysis of CO and Fires in the Arctic
13:20		Larisa Sogacheva (FMI, FI)	Fire activity and its influence on aerosol optical depth and greenhouse gases over PEEEX area for the last two decades
13:25	Ecosystem	Irina Repina (OIAP RAS, RU)	Inhomogeneous surface of West Siberian peatland diagnosed by skin temperature distribution
13:30		Igor Esau (NERSC, NO)	A local climate perspective from Arctic towns
13:35	Weather	Mykhailo Savenets (UHMI, UA)	The impact of wildfires in Ukraine on carbon flux and air quality changes by carbon-containing compounds
13:40		Georgy Nerobelov (SPbU, RU)	1. Estimation of the tropospheric and stratospheric CO ₂ content by ground-based IR technique. 2. Validation of the capability of WRF-Chem model and CAMS to simulate near surface atmospheric CO ₂ mixing ratio for the territory of Saint-Petersburg
13:45		Alexey Panov (IAO SB RAS, RU)	Accurate continuous observations of carbon dioxide and methane dry mole fractions in the arctic atmosphere near the Dikson settlement, Siberia
13:50		Svitlana Krakovska (UHMI, UA)	Projections of regional climate change in Ukraine based on multi-model ensembles of Euro-CORDEX
13:55	Society/education	Anna Bohushenko (OSEN, UA)	Detecting climate change in Ukraine: trends, prediction and extreme events
14:00		Olga Stupishina (SPbU, RU)	The atmosphere circulation movements in the matching with space weather parameters variations
14:05	Greenhouse gases	Victor Gornyy (SRCES RAS, RU)	Multiyear dynamics of remotely mapped characteristics of ecosystems in Northern Eurasia
14:10		Alexander Mykytiuk (OSEN, UA)	Estimation of emission from organic soils
14:15		Larysa Pysarenko (UHMI, UA)	Impact of deforestation on surface radiative properties and temperature characteristics in Ukraine based on LUMIP CMIP6
14:20	Ecosystem	Alexander Makshtas (AARI, RU)	Thermal regime of soil active layer at the Bolshevik Island (Archipelago Severnaya Zemlya) during 2016 – 2020 years
14:25		Anastasia Demakova (INAR, FI)	Formation and growth of aerosol particles in boreal forest of Siberia

ecosystem ● water ● aerosol ● weather ● society/education ● greenhouse gases ●

PEEX is a multi-disciplinary and multi-component climate change, air quality, environment, research infrastructure and capacity building programme.



Pan-Eurasian Experiment

PEEX

Join via zoom:

<https://helsinki.zoom.us/j/68261932088>

Time	Topic	Speaker	Title of presentation
14:30		Irina Fedorova (SPbU, RU)	Geochemical sensitivity of lacustrine ecosystems of Yamal Peninsula (Russian Arctic) to climate change
14:35		Fidel Pankratov (INEP KSC RAS, RU)	Mercury background monitoring in the Lake Baikal region
14:40 <i>keynote</i>		Yubao Qiu (AIR CAS, CN)	Lake ice phenology changes in the Northern Hemisphere
14:50		Petteri Uotila (INAR, FI)	A means-corrected estimate for the Arctic sea-ice volume in 1990–2019
14:55		Yubing Cheng (FMI, FI)	Inter-annual variations and large-scale atmospheric forcing on ice thickness and composition during the last decade in an Arctic lake
15:00		Elena Klyuchnikova (INEP KSC RAS, RU)	Social consequences of climate change in the Arctic towns
15:05		Katja Anniina Lauri (INAR, FI)	Science education for doctoral students: MODEST approach and experience
15:10		Stephany Mazon (INAR, FI)	Hack the Arctic: transforming data into solutions as a community
15:15-15:45	Open floor discussion Chair: Tuukka Petäjä (INAR, Finland)		

PEEX Community

Welcome to the PEEX Special Session at EGU 2021

Thursday 29th April 2021

Abstracts: https://meetingorganizer.copernicus.org/EGU21/session/40486#vPICO_presentations

Visit the PEEX website
www.atm.helsinki.fi/peex/

ACP journal PEEX Special Issue, Vol. II:
https://acp.copernicus.org/articles/special_issue1103.html

Contact us and join our e-mailing list: PEEX-HQ@helsinki.fi

 [@PEEX_News](https://twitter.com/PEEX_News)

ecosystem  water  aerosol  weather  society/education  greenhouse gases 

PEEX is a multi-disciplinary and multi-component climate change, air quality, environment, research infrastructure and capacity building programme.