

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

ecosystem

aerosol

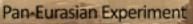
water

weather

society/education

greenhouse gases

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





Join via zoom: https://helsinki.zoom.us/j/68261932088

8	Time	Торіс	Speaker	Title of presentation
	13:15		Tomi Karppinen (FMI, FI)	Satellite-based analysis of CO and Fires in the Arctic
111	13:20		Larisa Sogacheva (FMI, FI)	Fire activity and its influence on aerosol optical depth and greenhouse gases over PEEX area for the last two decades
1	13:25		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		Mykhailo Savenets (UHMI, UA)	The impact of wildfires in Ukraine on carbon flux and air qual- ity changes by carbon-containing compounds
THE NEW YORK	13:40		Georgy Nerobelov (SPbU, RU)	<ol> <li>Estimation of the tropospheric and stratospheric CO2 content by ground-based IR technique.</li> <li>Validation of the capability of WRF-Chem model and CAMS to simulate near surface atmospheric CO2 mix- ing ratio for the territory of Saint-Petersburg</li> </ol>
	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		Anna Bohushenko (OSENU, 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
and a	14:05		Victor Gornyy (SRCES RAS, RU)	Multiyear dynamics of remotely mapped characteristics of ecosystems in Northern Eurasia
C. S. S. S.	14:10		Alexander Mykytiuk (OSENU, UA)	Estimation of emission from organic soils
Contraction of the local distribution of the	14:15		Larysa Pysarenko (UHMI, UA)	Impact of deforestation on surface radiative properties and temperature characteristics in Ukraine based on LUMIP CMIP6
	14:20		Alexander Makshtas (AARI, RU)	Thermal regime of soil active layer at the Bolshevik Island (Ar- chipelago Severnaya Zemlya) during 2016 – 2020 years
	14:25		Anastasia Demakova (INAR, FI)	Formation and growth of aerosol particles in boreal forest of Siberia

ecosystem

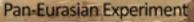
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14:30		Irina Fedorova (SPbU, RU)	Geochemical sensitivity of lacustrine ecosystems of Yamal Pen- insula (Russian Arctic) to climate change
14:35		Fidel Pankratov (INEP KSC RAS, RU)	Mercury background monitoring in the Lake Baikal region
14:40 keynote		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 commu- nity
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: <u>https://meetingorganizer.copernicus.org/EGU21/session/40486#vPICO\_presentations</u>

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

ACP journal PEEX Special Issue, Vol. II: https://acp.copernicus.org/articles/special\_issue1103.html

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