

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)	 Spring-summer 2020 aerosol pollution in Moscow metropolitan area 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)	 Vertical distribution of aerosol particles over the Russian Arctic derived from in-situ aircraft measurements: the September 2020 campaign. Vertical distribution of trace gases and aerosols over the Russian Arctic in September 2020 		
13:05 keynote		Eugene Mikhailov (SPbU, RU)	Water uptake of subpollen aerosol particles: hygroscopic growth, CCN activation, and liquid-liquid phase separation		
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ecosystem

aerosol

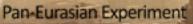
water

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
114	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
1.18	13:25		Anastasia Demakova (INAR, FI)	Formation and growth of aerosol particles in boreal forest of Siberia
N. A.	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)	 Estimation of the tropospheric and stratospheric CO2 content by ground-based IR technique. 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
States and	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
	14:05		Victor Gornyy (SRCES RAS, RU)	Multiyear dynamics of remotely mapped characteristics of ecosystems in Northern Eurasia
	14:10		Alexander Mykytiuk (OSENU, 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		Alexander Makshtas (AARI, RU)	Thermal regime of soil active layer at the Bolshevik Island (Ar- chipelago Severnaya Zemlya) during 2016 – 2020 years
	14:25	1015/101 4	Irina Repina (OIAP RAS, RU)	Inhomogeneous surface of West Siberian peatland diagnosed by skin temperature distribution

ecosystem

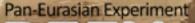
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	Time	Topic	Speaker	Title of presentation	
	14:30		Irina Fedorova (SPbU, RU)	Geochemical sensitivity of lacustrine ecosystems of Yamal Pen- insula (Russian Arctic) to climate change	
A1 - 10	14:35		Fidel Pankratov (INEP KSC RAS, RU)	Mercury background monitoring in the Lake Baikal region	
1	14:40 keynote		Yubao Qiu (AIR CAS, CN)	Lake ice phenology changes in the Northern Hemisphere	
No.	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		15:45	Open floor discussion Chair: Tuukka Petäjä (INAR)		

Chair: Tuukka Petäjä (INAR)

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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