



Pan-Eurasian Experiment

PEEX

EGU session: ITS2.15/BG2.25

[EGU displays/35931](https://www.egu.eu/EGU2020/EGU_displays/35931)

Ask your questions during
PEEX EGU live chat- Friday, 8th May

PEEX Special Session at goes live

PEEX Teleconference live talks* - Thursday, 7th May

**event organized by PEEEX Headquarters*

Time	Abstract code	1st Author	Title of oral presentation
Vienna time: UTC + 1hr		ORAL session I (10min talks)	
14:00		Markku Kulmala and PEEEX HQ	Welcome to the PEEEX Special Session at EGU 2020
14:20	EGU2020-11193	Torben Røjle Christensen	Centennial scale environmental change at key arctic observational sites
14:30	EGU2020-11155	Steffen M. Noe	Adding pieces to the atmosphere-biosphere feedback puzzle
14:40	EGU2020-11360	Alisa Krasnova	One tower - two heights: A study of mixed hemiboreal forest carbon balance estimated from two eddy covariance systems
14:50	EGU2020-10424	Sergey Chalov	Novel comprehensive field-based monitoring dataset of largest Siberian river particulate flux into Arctic ocean
15:00	EGU2020-5359	Yubao Qiu	Big Earth Data enhance the Implementation of PEEEX along the Belt and Road regions
BREAK (20 min)		ORAL session II	
15:30	EGU2020-21798	Konstantinos Eleftheriadis	Potential mechanisms for New Particle Formation and growth from aerosol mixing state and volatility observations
15:40	EGU2020-8794	Sergej Zilitinkevich	Revision of the current theory of unstably stratified turbulence and its potential implications for PEEEX
15:50	EGU2020-4908	Eugene Mikhailov	Long-term measurements (2010–2019) of carbonaceous aerosol at the Zotino Tall Tower Observatory (ZOTTO) in central Siberia
16:00	EGU2020-201	Georgiy Nerobelow	Enviro-HIRLAM modeling of atmospheric aerosols and pollution transport and feedbacks: North-West Russia and Northern Europe
16:10	EGU2020-4880	Nataly Chubarova	Urban aerosol in Moscow megacity and its radiative effects according to the AeroRadCity experiment and COSMO-ART modelling
16:20	EGU2020-2580	Yury Timofeyev	Estimates of anthropogenic CO2 emissions from satellite and ground based measurements

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



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Time	Abstract code	1st Author	Title of oral presentation
BREAK (20 min)		ORAL session III	
16:50	EGU2020-3218	Mikhail Arshinov	Studying the spatial and seasonal variability of greenhouse gases across West Siberia: large-scale mobile measurement campaigns of 2018-2019
17:00	EGU2020-20567	Sergey Bartalev	Space Observatory for carbon budget monitoring in Russian forests using Earth observations and modelling
17:10	EGU2020-18506	Anu-Maija Sundström	Satellite-Based Analysis of Fire Events and Transport of Emissions in the Arctic
17:20	EGU2020-7970	Igor Konovalov	New insights into physical and chemical atmospheric transformations of biomass burning aerosol from wildfires in Siberia
17:30	EGU2020-5907	Sergiy Stepanenko	Participation of Ukrainian Educational and Research Institutions in Implementation of the Tasks of the Pan-Eurasian Experiment (PEEX)
17:40	EGU2020-7740	Hanna Lappalainen	Pan-Eurasian Experiment (PEEX) Programme – Overview on the recent results
BREAK (20min)		POSTER session (2 min talks)	
18:10	EGU2020-16584	Sophie Wittig	Assessment of CH ₄ sources in the Arctic using regional atmospheric measurements and their link to surface emissions
18:12	EGU2020-13662	Ivan Kostyrko	Investigation of the different heat waves indices applicability for the territory of Ukraine
18:14	EGU2020-11705	Ekaterina Eremenko	Anthropogenic Transformation of Russian Arctic: dividing the area into zones based on cluster analysis
18:16	EGU2020-1386	Fidel Pankratov	Dynamics of gaseous elemental mercury during polar spring and winter
18:18	EGU2020-763	Alexey Chernenkov	Evaluation of radiation forcing from snow pollution by black carbon emissions from forest fires using the SNICAR radiation model and data from the INMCM5 climate model
18:20	EGU2020-5892	Olga Stupishina	On Space Weather factors which can impact terrestrial physical and biological processes
18:22	EGU2020-11582	Alexander Mahura	PEEX Integrated Multi-scales and -Process Modelling for Environmental Applications
18:24	EGU2020-22602	Tuukka Petäjä	Comprehensive environmental observations and their integration in the Arctic-boreal environment.
18:26	EGU2020-2355	Martha A. Zaidan	Data mining and machine learning to enhance new-particle formation identification and analysis
18:28	EGU2020-2693	Pak L Fung	Input-adaptive proxy of air quality parameters: A case study for black carbon in Helsinki, Finland



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Time	Abstract code	1st Author	Title of poster presentation
18:30	EGU2020-9034	Andrey Glazunov	Large organized structures in stably stratified turbulent shear flows.
18:32	EGU2020-13175	Larisa Sogacheva	Fire activity and Aerosol Optical Depth over PEEEX area for the last two decades
18:34	EGU2020-18080	Elena Cherepanova	Satellite-derived spatiotemporal patterns of environmental changes caused by 2018-2019 wildfires in Arctic-Boreal Russia
18:36	EGU2020-6795	Boris D. Belan	Investigating chemical composition of the troposphere over the Russian Arctic using the "Optik" Tu-134 aircraft laboratory
18:38	EGU2020-13244	Nuria Altimir	Arctic Datasets as Part of PEEEX International Collaboration
18:40	EGU2020-10449	Ekaterina Ezhova	The link between precipitation and recent outbreak of anthrax in North-West Siberia
18:42	EGU2020-11452	Dmitrii Krasnov	Soil CO ₂ fluxes and surface microtopography in a mixed hemiboreal forest: space, time and models.
18:44	EGU2020-21193	Vasilii Efimov	Trace metal and nutrient fluxes into Arctic ocean by largest Siberian rivers (ArcticFlux)
18:46	EGU2020-19377	Marjan Marbouti	Relationships linking satellite-retrieved ocean color data with atmospheric components in the Arctic
18:48	EGU2020-12485	Prokushkin Anatoly	The outgassing of carbon dioxide from aquatic ecosystems of Western Siberia (ZOTTO area) and implications for the regional carbon budget
18:50	EGU2020-3851	Irina Repina	The energy budget of West Siberian wetland in summer
18:52	EGU2020-6249	Shaoxia Xia	Carrying capacity of winter geese in the largest freshwater floodplain in different hydrological scenarios
18:54	EGU2020-22604	Anniina Lauri	Transferring best practices of doctoral training between EU, Russia, Belarus and Armenia
18:56	EGU2020-15881	Stephany Buenrostro Mazon	Communication channels to build a stronger PEEEX network

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About the PEEEX programme:

Visit PEEEX website: www.atm.helsinki.fi/peex/

ACP journal PEEEX special issue: www.atmos-chem-phys.net/special_issue395.html

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

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