



Young scientists school «Chemistry of microparticles in the atmosphere, road dust, snow and surface waters and related health impacts»

and

FINNISH-RUSSIAN WORKSHOP ON “BLACK CARBON IN THE ATMOSPHERE AND SIGNIFICANCE COMPARED TO DUST SOURCES”

ORGANIZERS

FACULTY OF GEOGRAPHY, LOMONOSOV MOSCOW STATE UNIVERSITY

IBA-FIN-BCDUST-project of the Ministry for Foreign Affairs of Finland,

PAN-EURASIAN EXPERIMENT

RUSSIAN SCIENTIFIC FOUNDATION

ABOUT

The Finnish-Russian collaborative workshop on black carbon and high latitude dust in the Arctic will be held on 17-18 September 2019 in Moscow and hosted by Faculty of Geography, Lomonosov Moscow State University. The aim is to update our current understanding, within the Arctic Council related work, on the significance of these aerosols to Arctic climate change, including cryospheric and health effects and shipping related issues.

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Session 1 “Black carbon and microparticles in the atmosphere, road dust, snow and surface waters”

Session 2 “Microparticles interactions in urban environment and health effects”

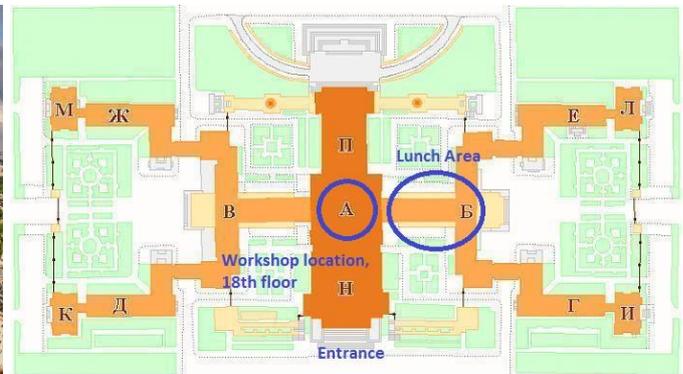
VENUE

Workshop

MSU main building: Moscow, Leninskie Gory 1

Faculty of Geography, Sector A, 18th floor

Lunch Area is located in Sector B, basement



Gala-dinner

Gala-dinner will take place in the restaurant at the MSU campus



WORKSHOP PROGRAMM

16/09/2019		Participants arrival to Moscow	
Day 1 17/09/2019	9:30 – 9:50	Opening ceremony Nikolay Kasimov , MSU – introduction Outi Meinander , FMI – IBA BC Project Hanna Lappalainen , UHEL Katariina Tanhua-Tyrkkö , Foreign Ministry of Finland	
	Session 1 “Black carbon and microparticles in the atmosphere, road dust, snow and surface waters” Plenary talks (30 minutes + 10 minutes discussion) Conviners: Sergey Chalov, Outi Meinander Room 1807		
	9:50 – 10:30	Markku Kulmala , UHEL	Air quality - climate interactions and feedbacks
	10:30 – 11:10	Kaarle Kupiainen , Ministry of Enviroment, Finland	Short-lived climate forcers and the Arctic
	11:10 – 11:40	Alexander Baklanov , WMO	WMO GAW observation and modeling of BC in the Arctic and dust storm impacts
	11:40 – 12:00	Coffee break	
	Oral reports (20 minutes + 5 minutes discussion) Conviners: Pavel Konstantinov, Hanna Lappalainen Room 1807		
	12:00 – 12:25	Olga Popovicheva , MSU	Source - dependent BC in Russian Arctics
	12:25 – 12:50	Tuukka Petäjä , UHEL	Integrative and Comprehensive Understanding on Polar Environments
	12:50 – 13:15	Johanna Ekman , FMI	Arctic Council chairmanship - how we did it
13:15 – 13:40	Antti-Pekka Hyvärinen , FMI	Measurements of Atmospheric Black Carbon	
13:40 – 14:00	Outi Meinander , FMI	Cryospheric and climate effects of light absorbing soot and dust aerosols in snow	
14:00 – 15:00	Lunch		
Plenary talks (30 minutes + 10 minutes discussion) Conviners: Olga Popovicheva, Tuukka Petäjä Room 1807			



	15:00 – 15:30	Konstantinos Eleftheriadis, NSRC Demokritos	Lessons learned from extensive source apportionment studies for PM10 and PM2.5 in European urban areas and Megacities
	15:30 – 16:10	Niko Karvosenoja, SYKE	Black carbon emissions and tools for climate and health impact assessment
	16:10 – 16:30	Coffee break	
	<u>Oral reports (20 minutes + 5 minutes discussion)</u> <u>Conviners: Pavel Konstantinov, Hanna Lappalainen</u> <u>Room 1807</u>		
	16:30 – 16:55	Hanna Lappalainen, UHEL	Pan-Eurasian Experiment - (PEEX) Program
	16:55 – 17:20	Larisa Sogacheva, FMI	Forest Fires and Aerosol Optical Depth retrieved from Satellites
	17:20 – 17:45	Vladimir Shevchenko, Institute of Oceanology RAS	Black carbon and dust over the Russian Arctic seas
	18:30	Gala-dinner	
Day 2 18/09/2019	<u>Plenary talks (30 minutes + 10 minutes discussion)</u> <u>Conviners: Sergey Chalov, Alexander Baklanov</u> <u>Room 1801</u>		
	9:30 – 10:10	Tamara Khodzher, Limnology Institute SB RAS	Environmental impact assessment through an atmospheric channel using the example of certain regions of Eastern Siberia)
	10:10 – 10:50	Olga Popovicheva, MSU	Microparticles in Moscow atmosphere: physico-chemical characterization for air quality assessment
	10:50 – 11:30	Nikolay Elansky, Obukhov institute of Atmospheric Physics RAS	Seasonal and weekly cycles of surface concentration of aerosols to PM2.5 in Metropolitan areas (on the example of Moscow)
	11:30 – 12:00	Coffee break	
	12:00 – 13:00	Poster session	
	13:00 – 14:00	Lunch	
	<u>Session 2 «Microparticles interactions in urban environment and health effects»</u>		
<u>Oral reports (20 minutes + 5 minutes discussion)</u> <u>Conviners: Olga Popovicheva, Larisa Sogacheva</u> <u>Room 1801</u>			



	14:00 – 14:25	Murat Nahaev, IPO	Calculation of fine particle transport to the Arctic region using numerical chemical transport models
	14:25– 14:50	Vladimir Kopeikin, Obukhov institute of Atmospheric Physics RAS	Variations of black carbon concentration in the Arctic in 2016-2018
	14:50 – 15:15	Boris Revich, IEF RAS	Particles in atmospheric air - health risks
	15:15 – 15:40	Anna Vinogradova, Obukhov institute of Atmospheric Physics RAS	Black carbon in near surface atmosphere on the territory of Pechora-Ilych nature biosphere reserve (the northwest Urals): daily monitoring throughout the year
	15:40 – 16:05	Dmitry Vlasov, MSU	Metals and metalloids in spring rains in Moscow megacity: first records of concentrations, solubilities, partitioning and depositions
	16:05 – 16:25	Coffee break	
	16:25 – 16:50	Nikolay Kasimov, MSU	Partition of chemical elements in the river water: connections with hydrometeorological conditions
	16:50 – 17:15	Natalia Kosheleva, MSU	Road dust in Moscow: chemical composition as indicator of environmental conditions

Place: 18th floor, MSU main building

Request for participants – questionnaire:

<https://www.webropolsurveys.com/S/68B84AB8019E09F7.par>

This questionnaire is to collect publications of the BC and dust experts participating to the MOSCOW WS, to be used as literature references for future publications