



AGENDA (2nd DRAFT OF AGENDA, 9 Feb 2021)

THE 5th HIGH LATITUDE DUST WORKSHOP

10-11 FEB 2021

Agricultural University of Iceland, *Reykjavik, Iceland*, in co-operation with the **ICEDUST Association**, **EU COST InDust Action**, and Czech University of Life Sciences

Venue: Agricultural University of Iceland (AUI), Arleynir 22, Keldnaholt, Reykjavik, Iceland

DAY 1

Session 1: 10:00-12:10 Chair: Pavla Dagsson-Waldhauserova		HLD sources and impacts on climate. Road dust and microplastics in the Arctic
10:00 – 10:05	Pavla Dagsson-Waldhauserova	Welcome and introducing the Workshop organizing team
10:05 – 10:25	Alexander Baklanov, Switzerland Pavel Amosov, Russia	Sand and Dust Storms in the Arctic: local sources, pollution modelling and combating methods
10:25 – 10:40	Alberto Sanchez-Marroquin, UK	Defining high-latitude ice-nucleating particles and its role in cloud climate feedbacks
10:40 – 10:55	Shu Yang, Iceland	Monitoring Dust Events in Iceland by Ground-based Doppler Lidar and Ceilometer
10:55 - 11:10	<i>Short break</i>	<i>Time reserved in case of technical difficulties</i>
11:10 - 11:30	Nikolaos Evangeliou, Norway	Atmospheric transport and deposition of road microplastics to remote regions
11:30-11:50	Brian Barr, Iceland	Road Dust in the Icelandic Capital Region
11:50 – 12:05	Mary Butwin, USA/Iceland	Influences of weather conditions on PM suspension following the Eyjafjallajökull eruption
12:05 – 12:10	<i>Closing the session</i>	

DAY 2

Session 2: 13:00-15:45 Chair: Pavla Dagsson-Waldhauserova		HLD, BC and cryosphere. Remote sensing of HLD.
13:00 – 13:05	Pavla Dagsson-Waldhauserova	Welcome to the second part of the HLD Workshop
13:05 – 13.25	Adam Nawrot, Poland	Seeking the Sources of Dust: Geochemical and Magnetic Studies on “Cryodust” in Glacial Cores from Southern Spitsbergen (Svalbard, Norway)
13.25-13:40	Outi Meinander, Finland	How to quantify Black carbon and Icelandic dust in the Arctic snow and snowfall?
13:40 – 13:55	Andri Gunnarsson, Iceland	Albedo of glaciers, influence of dust events and eruptions
<i>13:55 - 14:10</i>	<i>Short break</i>	<i>Time reserved in case of technical difficulties</i>
14:10-14:30	Biagio Di Mauro, Italy	Remote and proximal sensing of dust and algae in the cryosphere
14:30-14:45	Keyvan Ranjbar, Canada	Remote sensing of a high-Arctic, local dust event over Lake Hazen (Ellesmere Island, Nunavut, Canada)
14:45-15:00	Pavla Dagsson-Waldhauserova, Iceland	Impacts of Icelandic dust on the environmental systems
15:00-15:10	Short presentations on virtual posters (1-3 min each)	
	Nathalie Burdova, Sweden/Czech Republic	Long-range transport of Icelandic dust towards Europe
	Alex Vitek, Czech Republic	Monitoring of dust events in Icelandic deserts
<i>15:10 - 15:15</i>	<i>Short break</i>	
15:15 – 15:45	Side event: InDUST WG 1 meeting (PDW, OM, Aurelio Tobias)	<ul style="list-style-type: none"> • Health issues related to the HLD • How to take dust samples from snow? • Applications of desert dust observations in low latitudes to high latitudes – challenges, opportunities and lessons learnt • HLD modeling
15:45	Workshop Closing	Thank you for being with us!

We look forward to welcoming you!

Organizing team: Pavla Dagsson-Waldhauserova (contact: firstname@lbhi.is) on behalf of the IceDust Association; Outi Meinander (Finnish Meteorological Institute) and Alex Vitek (Czech University of Life Sciences Prague)