



IceDust Workshop II

Workshop of the Icelandic Aerosol and Dust Association

14 February 2018

Agricultural University of Iceland, Arleynir 22, 112 Reykjavik, Iceland

AGENDA

- 08:30-08:45 Arrival and coffee
- 08:45-09:00 Olafur Arnalds, Agricultural University of Iceland
THE NATURE OF THE ICELANDIC DUST HOTSPOTS
- 09:00-09:15 Outi Meinander, Finnish Meteorological Institute
BLACK CARBON AND DUST AEROSOLS ON SNOW AND GLACIER ICE IN ICELAND
- 09:15-09:30 Mary Butwin, University of Iceland and Icelandic Meteorological Office
FREQUENCY AND CHARACTERISTICS OF VOLCANIC ASH AND DUST SUSPENSION EVENTS IN ICELAND
- 09:30-09:45 Dragana Djordevic, Center of Env. Chemistry and Engineering University of Belgrade, Serbia
CHEMICAL PATTERNS OF ELEMENTS FROM ICELANDIC SOILS AND RIVER SEDIMENTS AS TRACERS
- 09:45-10:00 Thröstur Thorsteinsson, University of Iceland
EXCEEDING THE HEALTH LIMIT DUE TO PARTICULATE MATTER FROM NATURAL SOURCES
- 10:00-10:15 Melissa Pfeffer, Icelandic Meteorological Office
PARTICLES IN AN ASH-POOR, GAS-RICH, DUSTY ERUPTION CLOUD
- 10:15-10:45 COFFEE BREAK AND POSTERS
- 10:45-11:00 Haraldur Olafsson, University of Iceland and Icelandic Meteorological Office
ON THE LOCAL NATURE OF WINDSTORMS AT DUST SOURCES
- 11:00-11:15 Cameron Powell, University of Iceland and Icelandic Meteorological Office
IMPROVEMENTS IN NAME ASH RESUSPENSION FORECASTING
- 11:15-11:25 Pavla Dagsson-Waldhauserová, Agricultural University of Iceland
SUMMARIZING THE RYK PROJECT — DUST PRODUCTION AND DISTRIBUTION IN ICELAND

- 11:25-11:40 Gerður Stefánsdóttir Árni Sigurðsson, Sibylle von Löwis of Menar Icelandic Met Office
ATMOSPHERIC MONITORING AT STÓRHÖFÐI AND ÍRAFOSS
- 11:40-11:55 Konrad Kandler, Technische Universität Darmstadt, Germany
QUANTIFICATION OF ICELANDIC DUST EXPORT - PROPOSAL OF A COMBINED MODELING AND MEASUREMENT EXPERIMENT
- 11:55-12:30 DISCUSSION TOPICS
- 12:30 End of the IceDust Workshop

POSTERS

Evgenia Ilyinskaya, University of Leeds, UK

UNDERSTANDING THE ENVIRONMENTAL IMPACTS OF LARGE FISSURE ERUPTIONS: 2014-2015 HOLUHRAUN ERUPTION (ICELAND)

Sara Basart, Barcelona Supercomputing Center/INDUST: INTERNATIONAL NETWORK TO ENCOURAGE THE USE OF MONITORING AND FORECASTING DUST PRODUCTS

Jean-Baptiste Renard, LPC2E-CNRS / Université d'Orléans, Orléans, France

WINTER AND HIGH-ALTITUDE DUST SIZE DISTRIBUTIONS WITH THE BALLOON-BORNE LIGHT OPTICAL AEROSOL COUNTER (LOAC)

Nsikanabasi Silas Umo, Karlsruhe Institute of Technology

ICE-NUCLEATING PROPERTIES OF DUST FROM HIGH-LATITUDE REGIONS

Shu Yang and David Finger, Reykjavík University

THE VALUE OF DOPPLER LIDAR SYSTEMS TO MONITOR TURBULENCE INTENSITY DURING STORM EVENTS IN ORDER TO ENHANCE AVIATION SAFETY IN ICELAND

Lea María Lemarquis, University of Iceland: DUST OBSERVATIONS IN HEYLÆKUR, SOUTH ICELAND, 2017-2018

DISCUSSIONS

Þorsteinn Jóhannsson and Ragnhildur Finnbjörnsdóttir, Environment Agency of Iceland

Martina Stefani, University of Iceland

Sara Barsotti, Icelandic Meteorological Office

Hjalti Sigurjónsson, Vatnaskil

Katalin Gillemot, Universität Wien, Austria

The IceDust Workshop II is organized by the Icelandic Aerosol and Dust Association (<https://icedustblog.wordpress.com/>) in collaboration with the COST Action CA16202 - *INDUST: INTERNATIONAL NETWORK TO ENCOURAGE THE USE OF MONITORING AND FORECASTING DUST PRODUCTS* ([http://www.cost.eu/COST Actions/ca/CA16202](http://www.cost.eu/COST%20Actions/ca/CA16202)). Contact Pavla at pavla@lbhi.is for further information.

The entrance is free. We are looking forward to welcome you!

