

High Latitude Dust Workshop 2024

In-situ measurements, remote sensing, modeling, long-range transport, and impacts of HLD and low latitude dust in the Arctic, emphasizing CAMS User engagement in Iceland.



The 8th HLD Workshop will take place **in Reykjavik** on **13-14 February 2024** and will include online talks. The overarching aims of this interdisciplinary workshop are to discuss HLD field measurements, monitoring of dust and HLD sources, role of permafrost in HLD research, long-range transport of HLD as well as of low latitude dust towards the Arctic with related climate impacts, role of aerosols in high latitude environments, and global dust and HLD networks.

There will be a unique opportunity to attend the Copernicus Atmosphere Monitoring Service (CAMS) User engagement session in Iceland with experts on aerosol monitoring and modeling from the European Centre for Medium-Range Weather Forecasts (ECMWF), World Meteorological Organization Sand and Dust Storm Warning Advisory and Assessment System (WMO SDS WAS) and Finish Meteorological Institute (FMI).

The registration for on-site attendees is mandatory by 24th January 2024 at pavla@lbhi.is. Tentative titles and short abstracts shall be sent by email until 4th February 2024. Please include oral/poster and online/onsite preference.

Topics of interest:

- Observing effects and extremes of HLD
- Sources of HLD
- Modelling and forecasting of HLD
- Satellite detection of HLD
- HLD and climate change
- Relevance of HLD for society/users
- Arctic aerosols and air pollution – Black carbon, wild fire emissions, volcanic emissions, firework emissions, microplastics, mining emissions, etc.
- Climate and environmental impacts of dust and aerosol at high latitudes
- CAMS engagement and future use needs in Iceland
- Global dust, aerosol and HLD networks

Organizers and partners:

Icelandic Aerosol and Dust Association (IceDust)
Agricultural University of Iceland
Finish Meteorological Institute
National Survey of Iceland
Ministry for Foreign Affairs of Finland
Copernicus Atmosphere Monitoring Service (CAMS)
UArctic Thematic Network on HLD
Czech University of Life Sciences
Finnish Environment Institute Syke

We look forward to welcoming you!

Organizing team: Pavla Dagsson-Waldhauserova (Agricultural University of Iceland, IceDust Association and UArctic TN on HLD, contact: firstname@lbhi.is), Outi Meinander (Finnish Meteorological Institute, , IceDust Association and UArctic TN on HLD , contact: firstname.lastname@fmi.fi), Michaela Hrabalíková (National Survey of Iceland, contact: firstname.lastname@lmi.is)



Icelandic Aerosol and Dust Association (IceDust)
Rykrannsóknafélag Íslands (RykÍS)

