

HALO-(AC)³ Workshop 14 / 15 July 2022 in Hamburg



Wednesday, 13 July 2022

individual arrival of participants

18:30 Ice breaker

Thursday, 14 July 2022

09:00 - 09:20 **Welcome and Overview**

(Felix Ament, Manfred Wendisch)

09:20 - 10:50 **Session 1: Airborne Remote Sensing Measurements**

Session chair: Susanne Crewell (Uni Cologne)

09:20 – 09:50 **Imke Schirmacher (Uni Cologne)**

“Cloud fraction of Arctic mixed phase clouds by airborne remote sensing during HALO-AC3: A comparison with earlier Arctic airborne campaigns”

09:50 – 10:20 **Michael Schäfer (Uni Leipzig)**

“First Analysis and Potential of Thermal Infrared Imagery measured with VELOX”

10:20 – 10:50 **Georgios Dekoutsidis (DLR-PA)**

“WV and RH in Arctic Cirrus and Comparison to Mid-Latitude Cirrus, Case Studies (WAI)”

Coffee break

11:30 - 13:00 **Session 2: Airborne In-situ & Remote Sensing Measurements, and Data Management**

Session chair: Andreas Herber (AWI Bremerhaven)

11:30 – 12:00 **Clémantyne Aubry (DLR-PA)**

“Radar-Lidar synergy for ice clouds retrievals and co-located cases with in-situ measurements”

12:00 – 12:30 **Manuel Moser (DLR-PA)**

“In-situ measurements of low-level clouds over the sea ice and the open ocean in the central Arctic during spring and summer”

12:30 – 13:00 **Mario Mech (Uni Cologne)**

“tbd”

Lunch break

14:30 - 16:00 **Poster Session I (General, Air Mass Tracking, Collocation Remote Sensing & In-situ, Ny-Ålesund)**

Coffee & snacks will be offered parallel to the poster sessions

16:00 – 17:30 **Poster Session II (Remote Sensing, Cirrus)**

19:00 *Joint dinner*

Friday, 15 July 2022

09:00 - 10:30 Session 3: Air Mass Tracking, Atmospheric Dynamics & ICON Simulations

Session chair: André Ehrlich (Uni Leipzig)

09:00 – 09:30 **Fiona Paulus** (*Uni Cologne*)

“Measuring mesoscale divergence at high latitudes”

09:30 – 10:00 **Michail Karalis** (*MISU*)

“Lagrangian simulations of meridional flow with the AOSCM”

10:00 – 10:30 **Vera Schemann** (*Uni Cologne*)

“Accompanying ICON simulations and outlook on first evaluations”

Coffee break

11:00 - 12:00 Session 4: Observations at Ny-Ålesund

Session chair: Silke Groß (DLR-PA)

11:00 – 11:30 **Nils Slättberg** (*AWI Potsdam*)

“Radiosonde data from Ny-Ålesund”

11:30 – 12:00 **Christoph Ritter** (*AWI Potsdam*)

“Aerosol remote sensing from AWIPEV”

12:00 - 12:30 Wrap up

End