Lagrangian observations of air mass transformations in the Arctic during warm/moist air intrusions and cold/dry air outbreaks using HALO

The HALO-(AC)³ planning meeting:
28 June 2018, Berlin – Helmholtz Head Office (Anna-Louisa-Karsch-Straße 2)

AGENDA

- 10:00-10:30  Manfred Wendisch: Overview

Modeling Activities
- 10:30-10:50  Felix Pithan: How do air mass transformations shape Arctic wintertime climate?
- 10:50-11:10  Roel Neggers / Vera Schemann: High resolution simulation of observed Arctic air masses
- 11:10-11:30  Annette Rinke: tbd
- 11:30-11:50  Bernd Heinold: How can HALO-(AC)³ help evaluate and improve aerosol transformation and removal processes along transport pathways into the Arctic in global and mesoscale transport models?
- 11:50-12:10  Christof Lüpkes: AWI Airborne observations and related mesoscale modeling of typical flow regimes over the MIZ
- 12:10-12:40  Lunch break (Snacks will be provided)

Instrumentation
- 12:40-13:00  André Ehrlich: Solar Spectral Radiation Measurements
- 13:00-13:20  Michael Schäfer: A New Thermal-Infrared Imager on HALO
- 13:20-13:40  Felix Ament: Radar and Microwave measurements
- 13:40-14:00  Silke Groß / Martin Wirth: Lidar
- 14:00-14:20  Tobias Zinner: SpecMACS
- 14:20-14:40  Andreas Wieser: Dropsondes

Wrap Up
How to come to Helmholtz?