



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

The HALO-(AC)<sup>3</sup> 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)<sup>3</sup> 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?

