

# IUP-AWI Blockseminar

## Advancing Earth Observation Sciences

July 4, 2017, 09:30 – 15:00

Alfred Wegener Institute, Building F, Bussestrasse 24, 27568 Bremerhaven

### Theme

This seminar will provide an overview of two upcoming major initiatives, the Uni Bremen Excellence Cluster Advancing Earth Observation Sciences (AEOS) and Year of Polar Prediction (YOPP). It will present examples of research in various areas of Earth Observation Sciences, including satellite, airborne, and in-situ measurements, and studies involving observations and modeling.

### Preliminary Programme

09:30 – 10:00	Coffee
10:00 – 10:20	Claus Lämmerzahl (Uni-HB/Zarm): AEOS – an overview of the proposed Bremen Excellence Cluster
10:20 – 10:40	Helge Gößling (AWI): YOPP – the Year of Polar Prediction
10:40 – 11:00	Ben Rabe & Mario Hoppmann (AWI): Observations of the FRAM and MIDO observatories
11:00 – 11:20	Larysa Istomina (Uni-HB/IUP): Characterization of the summer sea ice from optical sensors
11:20 – 11:40	Lorenzo Zampieri (AWI): Verification of sea ice forecasts for the sub-seasonal and seasonal timescale
11:40 – 13:00	Lunch (provided)
13:00 – 13:50	<b>Christof Gerbig (Uni Jena – Special Guest): On the potential of regular airborne observations for constraining greenhouse gas fluxes (see abstract)</b>
13:50 – 14:10	Michael Buchwitz (Uni-HB/IUP): Satellite observations of carbon dioxide and methane
14:10 – 14:30	Christian Haas (AWI): Remote sensing of snow on sea ice – what are we missing?
14:30 – 14:50	Frank Kauker (AWI): Earth observation impact assessments