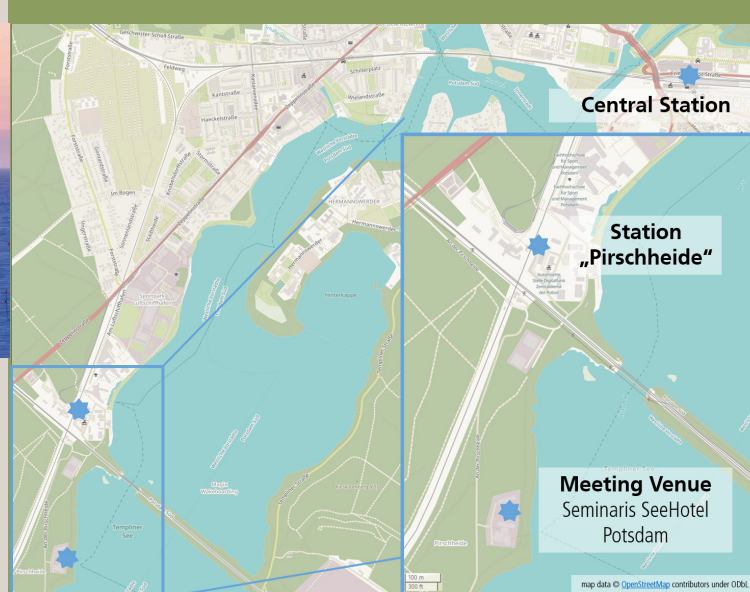


AWI / Stefan Hendricks (CC-BY 4.0), 2019

AWI / Michael Gutsche (CC-BY 4.0), 2020

## AIMS

The conference will summarize the scientific results obtained within the Transregional Collaborative Research Center TR 172 on **Arctic Amplification (AC)<sup>3</sup>**, and discuss them in context with the international research community. Distinguished guest speakers will talk about recent highlights and current hypotheses in the field of Arctic climate research accompanied by talks from our early career scientists in three sessions. Posters will be presented in six sessions corresponding to the (AC)<sup>3</sup> clusters. The (AC)<sup>3</sup> „Best Poster Prize“ will be awarded. The conference is supposed to promote scientific exchange and identify key tasks to be addressed in near-future Arctic climate research. It is open to scientists presenting (AC)<sup>3</sup> relevant topics, also beyond the framework of (AC)<sup>3</sup>.



# 3<sup>rd</sup> (AC)<sup>3</sup> Science Conference on Arctic Amplification

25 - 27 October 2021 | Potsdam

## LOCATION

Seminaris SeeHotel Potsdam  
An der Pirschheide 40  
14471 Potsdam

## COORDINATION

Dr. Marlen Brückner  
Phone: +49 (0)341 – 97 32877  
Fax: +49 (0)341 – 97 32899  
m.brueckner@uni-leipzig.de



**TRANSREGIO TR 172**  
LEIPZIG | BREMEN | KÖLN



Uni Leipzig / Marlen Brückner, 2017

ac3-tr.de

funded by

**DFG** Deutsche Forschungsgemeinschaft



## INVITATION

On behalf of the Transregional Collaborative Research Center TR 172 on *Arctic Amplification: Climate Relevant Atmospheric and Surface Processes, and Feedback Mechanisms* (AC)<sup>3</sup> we cordially invite you to attend the 3<sup>rd</sup> (AC)<sup>3</sup> Science Conference which will take place in Potsdam, Germany from 25 to 27 October 2021.

## PROGRAM

Monday, 25 October 2021

Meet & Mingle  
Icebreaker

Tuesday, 26 October 2021

### Session I

Aerosols & Clouds

Invited Speaker:

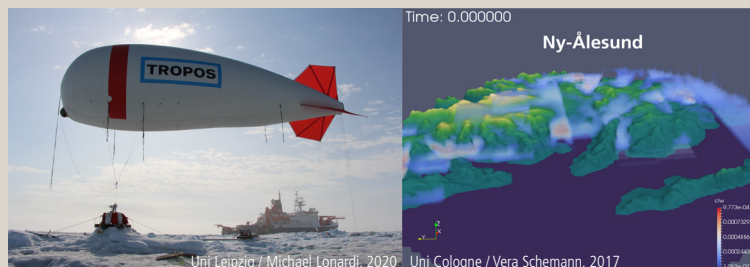
Ann Fridlind (NASA, Goddard Institute for Space Studies)  
- "High-latitude cloud processes in models: Challenges and strategies"

### Session II

Sea Ice

Invited Speaker:

Julienne Stroeve (UCLA Earth Sciences) - "Sea ice & Arctic amplification"



### Session III

Large Scale Dynamics

Invited Speaker:

Timo Vihma (FMI) - "Warm air intrusions in the Arctic"

### Crosscutting Activities (CCA): Breakout sessions

CCA1 - Lapse rate feedback

CCA2 - Surface processes

CCA3 - Arctic mixed-phase clouds

CCA4 - Air mass transport and transformation

### Evening Talk

Invited Speaker: Esther Horvath "Impressions from the MOSAiC Expedition"

Wednesday, 27 October 2021

### Poster Session A, B (Group I), C

### Poster Session B (Group II), D, E

## POSTER SESSIONS

- A Fluxes in the Arctic Boundary Layer
- B Clouds; Aerosols & Water Vapour
- C Ocean, Atmosphere & Sea Ice Interaction
- D Atmospheric Circulation & Transport
- E Intergration & Synthesis

## ORGANIZING TEAM

(AC)<sup>3</sup> Scientific Steering Team  
(AC)<sup>3</sup> PhD Program Committee  
Manfred Wendisch  
Marlen Brückner  
Annette Rinke  
Janna Rückert

University of Leipzig  
University of Leipzig  
AWI Potsdam  
University of Bremen

We are looking forward to welcoming you to our conference in Potsdam!



## DEADLINES & REGISTRATION

Abstract submission:

until 06 September 2021  
to [admin@ac3-tr.de](mailto:admin@ac3-tr.de)

Conference registration:

until 13 September 2021  
at <http://ac3-tr.de/meetings>

