

SPP PROM zoom meeting, planning Phase 2

on Monday, 29. March 2021

Start at 9:00 am- 2:00 pm

Location: zoom

Time frame: 5-10 min. per project

Monday 29 March 2021

9:00 am-9:10 am **Silke Trömel: opening and addressing overarching issues**

9:10 am - 9:20 am **PIs Michael Frech (DWD), Stefan Kneifel (Uni Köln):**
Combining radar POLarimetry, weather forecast MOdel outputs and DOppler radar observations for RIming analysis (POMODORI)

9:20 am - 9:30 am **PIs Johannes Quaas (Uni Leipzig) and Silke Trömel (Uni Bonn):**
PARA-Pluie (PARA 2)

--- Coffee Break / time buffer 10 minutes ---

9:40 am - 9:50 am **PIs Davide Ori (Uni Köln) and Ulrich Blahak (DWD):**
PRISTINE - Polarimetric Radar simulations with realistic Ice and Snow properties and mulTifrequeNcy consistency Evaluation

9:50 am - 10:00 am **PIs Heike Kalesse (Uni Leipzig), Maximilian Maahn (Uni Leipzig):**
Characterization of conditions conducive to orography-influenced riming and secondary ice production and their effects on precipitation rates using radar polarimetry and Doppler spectra

10:00 am - 10:10 am **PI Prabhakar Shrestha (Eigene Stelle, Uni Bonn):**
ILCAPR 2

--- Coffee Break / time buffer 10 minutes ---

10:20 am - 10:30 am PIs Ulrich Blahak (DWD) and Silke Trömel (Uni Bonn):

Operation Hydrometeors 2

10:30 am - 10:40 am PI Andrew Barrett (Eigene Stelle, KIT):

Pathways of microPhysical Processes Producing Precipitation at Particular Points (Piggybacking, P3 and Polarimetry)

10:40 am - 10:50 am PIs Tijana Janjic (LMU München), Axel Seifert (DWD):

Towards the assimilation of polarimetric radar data in convection-permitting models

--- Coffee Break / time buffer 30 minutes ---

11:20 am - 11:30 am PIs Florian Ewald (DLR Oberpfaffenhofen), Tobias Zinner (LMU München):

**IcePolCKa - Phase 2:
Storm evolution and partitioning of stratiform and convective precipitation observed by polarimetric C- and Ka-band radars**

11:30 am - 11:40 am PIs Patric Seifert (TROPOS), Fabian Senf (TROPOS):

PolarCAP: Polarimetric Radar Signatures of Ice Formation Pathways from Controlled Aerosol Perturbations

11:40 am - 11:50 am PIs Axel Seifert (DWD), Miklos Szakall (U. Mainz), Stefan Kneifel (U. Köln):

Characterization of ice particle fragmentation with a combination of laboratory experiments, super-particle modeling, and polarimetric radar observations.

11:50 am - 12:00 am PIs Stefano Turso (Fraunhofer), Thomas Bertuch (Fraunhofer) Clemens Simmer (Uni Bonn), Silke Trömel (Uni Bonn):

A Low-cost Mechanically-Steered Phased-Array Polarimetric Doppler Weather Radar, Phase 2

----- LUNCH -----

1:00 pm - 2:00 pm

--- Discussions if needed---