

PROM Kickoff Meeting 17-18 October 2018

Location: Meteorological Institute, University Bonn, Auf dem Hügel 20, 53121 Bonn

Wednesday

1:00-1:30 pm: Polarimetry Influenced by CCN and INP in Cyprus and Chile (PICNICC):

An assessment of hemispheric cloud polarimetry contrasts and its relation to differences in aerosol load (PIs: Heike Kalesse, Patric Seifert, Johannes Quaas)

PhD-1 (Uni Leipzig): Heike Kalesse

PhD-2 (Tropos): Patric Seifert

1:30-2:00 pm: Representing model error and observation error uncertainty for data assimilation of polarimetric radar measurements (PIs: Tijana Janijic Pfander, Axel Seifert, Daniel Klocke)

PhD-1 (LMU): Axel Seifert

PostDoc (LMU): Tijana Janijic Pfander

2:00-2:30 pm: Understanding ice microphysical processes using multi-frequency radar polarimetry and super-particle modeling (IMPRINT) (PIs: Stefan Kneifel und Axel Seifert)

PhD-1 (Uni Col): Stefan Kneifel

PostDoc-1 (DWD): Axel Seifert

2:30-3:00 pm: An efficient volume scan polarimetric radar forward OPERATOR to improve the representation of HYDROMETEORS in the COSMO model (Operation Hydrometeors) (PIs: Silke Trömel, Clemens Simmer, Ulrich Blahak)

PostDoc-1 (DWD): Ulrich Blahak

PostDoc-2 (Uni Bonn): Silke Trömel

3:00-3:30 pm: Possible contributions from the models with bin microphysics to the project, Alexander Khain (Member of scientific advisory board)

3:30-4:15 pm Coffee break

4:15-4:30 pm: A seamless profile of the precipitation process of mixed-phased clouds employing data from a polarimetric C-band radar, a microrain radar (MRR) and disdrometers (PI: Michael Frech)

PostDoc-1 (DWD): Michael Frech

4:30-5:00 pm: Investigation of the initiation of convection and the evolution of precipitation using simulations and polarimetric radar observations at C- and Ka-band (IcePoICKa) (PIs: Martin Hagen and Tobias Zinner)

PhD-1 (LMU): Tobias Zinner / Christoph Knot

PhD-2 (DLR): Martin Hagen

5:00-5:30 pm: Polarimetric signatures of ice microphysical processes and their interpretation using in-situ observations and cloud modeling (POLICE) (PIs: Silke Trömel, Clemens Simmer, Christiane Voigt)

PhD-1 (Uni Mainz): Yvonne Boose

PhD-2 (Uni Bonn): Silke Trömel

5:30-6:00 pm

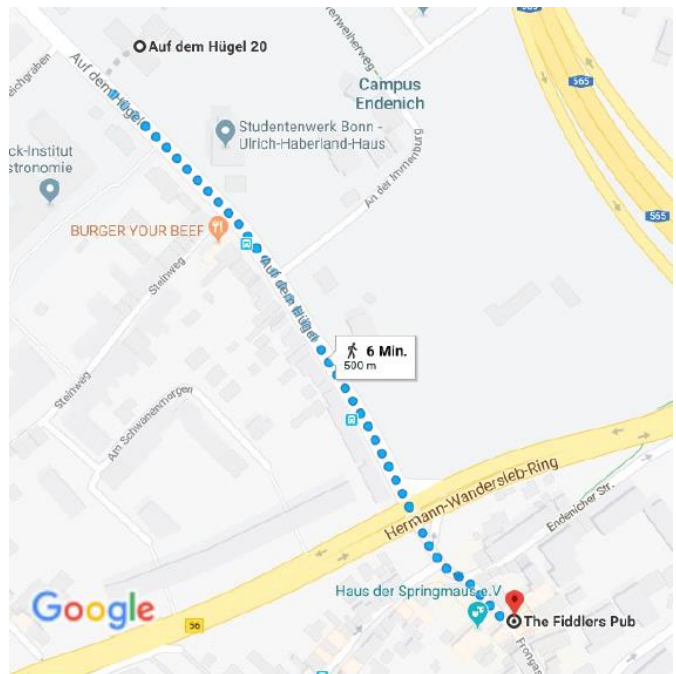
Onset of breakout discussions or time buffer

6:00 pm

Time for check-in and/or Ice Breaker

7:00 pm

**Joint dinner at Fiddlers
(Frongasse 9, room on 3rd floor)**



Thursday

9:00-9:15 am: Investigating the impact of Land-use and land-cover change on Aerosol-Cloud-precipitation interactions using Polarimetric Radar retrievals (ILACPR) (PI: Prabhakar Shrestha)

PostDoc-eig. Stelle (Uni Bonn): Prabhakar Shrestha (Skype)

9:15-9:30 am: Evaluating and Improving Convection-Permitting Simulations of the Life Cycle of Convective Storms using Polarimetric Radar Data (PI: Andrew Barrett)

PostDoc-eig.Stelle (KIT): Andrew Barrett

9:30-10:00 am: Microphysical and thermodynamic retrievals using polarimetric radars, Alexander Ryzhkov (Member of scientific advisory board)

10:30-11:00 am: Spectrally resolved Polarimetric Observations and Modelling of Clouds (SPOMC): Toward the retrieval of hydrometeor ratios during onset of precipitation (PIs: Patric Seifert and Oswald Knoth)

PhD-1 (TROPOS): Patric Seifert

PhD-2 (TROPOS): Oswald Knoth

11:00-11:30 am Coffee break

11:30-11:45 am: A Low-cost Mechanically-Steered Phased-Array Polarimetric Doppler Weather Radar (PIs: Stefano Turso, Thomas Bertuch, Clemens Simmer, Silke Trömel)

PostDoc-1 (Fraunhofer FHR): Stefano Turso

11:45-12:15 am: Climate model PArmeterizations informed by RAdar (PARA) (PIs: Silke Trömel, Clemens Simmer, Johannes Quaas)

PhD-1 (Uni Bonn): Silke Trömel

PhD-2 (Uni Leipzig): Sabine Hörnig (Skype)

12:15 -1:30 pm Lunch

1:30-2:30 pm: Short introductions/presentations of potential future project scientists

- *Ms Ju-Yu Chen (Skype), project not clear yet, Uni Bonn*
- *Ms Sabine Hörnig (Skype), PARA, Uni Leipzig (with Johannes Quaas)*
- *Mr Manuel Moser, POLICE, Uni Mainz*
- *Ms Junghwa Lee, SPOMC, TROPOS*

2:30 pm - 4:00 pm: Breakout sessions and discussions with coffee/tea

Topics: Forward Operator, Radar Data availability, ICON cloud/precipitation processes assessed

4:00 pm: The End