

ACTRIS-D Annual Conference, 20-22 June 2022, Leipziger KUBUS

<https://www.tropos.de/aktuelles/actris-d-jahrestagung-2022>

Monday, 20 June 2022

12:30 – 13:30	<i>Registration and Lunch Buffet</i>
13:30 – 15:00	Oral Presentations (Chairs: Anja Claude, Alexander Geiß)
13:30	Welcome and introduction
13:45	Markus Kayser and Uli Görndorf, DWD: Experiences from 18 years of Cloudnet observations in Lindenberg and the way ahead in ACTRIS-D
14:00	Stefan Kneifel et al., LMU: Using long-term observations from European Cloudnet sites to derive first statistics of riming in non-convective clouds
14:15	Patric Seifert et al., TROPOS: Aerosol-cloud-precipitation-dynamics interaction studies with the mobile platform LACROS
14:30	Christoph Ritter et al., AWI: Challenges and strategies for aerosol closure studies in the Arctic
14:45	Ina Mattis et al., DWD: Measurements of cloud heights and aerosol profiles over Germany – Applications of the DWD ceilometer network
	<i>Break</i>
15:30 – 17:00	Oral Presentations (Chairs: Heike Wex, Andreas Kürten)
15:30	Stefan Kneifel et al., UzK: Wind profiles at ACTRIS cloud remote sensing stations from a combination of Doppler lidar and Doppler cloud radar
15:45	Anna Novelli et al., FZJ: The atmospheric simulation chamber SAPHIR at Forschungszentrum Jülich
16:00	Sören Zorn et al., FZJ: SAPHIR* – a continuously stirred tank reactor for detailed investigation of mechanisms of SOA formation
16:15	Kristina Höhler et al., KIT: Ice Nucleating Particle concentrations in the free troposphere during recent Saharan dust events

<p>16:30</p> <p>16:45</p>	<p>Andreas Pohlmann: SCOPTER</p> <p>Discussion</p>
<p>17:00 – 18:00</p>	<p>Poster Session (Poster boards 145 cm height, 116 cm width, available from Monday noon till Wednesday noon)</p> <p>Andreas Kürten et al., GUF: Aerosol nucleation and growth rates at different ACTRIS sites – Role of meteorological conditions and precursor gases</p> <p>Alexander Böhmländer et al., KIT: Ice Nucleating Particle and aerosol measurements in the Arctic using Unmanned Aerial Systems</p> <p>Anja Claude et al., DWD: Two Decades of VOC measurements at the Meteorological Observatory Hohenpeissenberg</p> <p>Sandra Graßl et al., AWI: Aerosol remote sensing in Ny-Alesund</p> <p>Marcus Müller et al., UzK: Aerosol-cloud interactions at JOYCE using ACTRIS data</p> <p>Stefan Kneifel et al., LMU: Multi-year cloud and precipitation statistics observed at the high-altitude Environmental Research Station Schneefernerhaus</p> <p>Holger Baars, TROPOS, and Alexander Geiß, LMU, et al.: ACTRIS contribution to Satellite Cal/Val: The example of the German initiative EVAA and the Joint Aeolus Tropical Atlantic Campaign (JATAC)</p> <p>Niklas Illmann et al., BUW: Simulation chamber studies on the acid formation in ozonolysis reactions</p> <p>Dennis Niedermeier et al., TROPOS: LACIS-T – A moist-air wind tunnel to study aerosol-cloud-turbulence interactions</p> <p>Ralf Tillmann et al., FZJ: The Calibration Centre for Reactive Trace Gas in-situ measurements (CiGas) within the national and international framework</p> <p>Max Gerrit Adam et al., FZJ: The ACTRIS Calibration Center for Nitrogen Oxides (NOx) at Forschungszentrum Jülich</p> <p>Volker Freudenthaler et al., LMU: Centre for Aerosol Remote Sensing (CARS-LMU) High and Low-Power Lidar Quality Assessment & Improvement & Assurance</p> <p>Kay Weinhold et al., TROPOS: WCCAP – World Calibration Centre for Aerosol Physics in the ACTRIS Central Facility for Aerosol In-Situ Measurements</p> <p>Ralf Sussmann and Hannes Vogelmann, KIT: The National Facility Garmisch/Zugspitze for Reactive Trace Gases Remote Sensing and Aerosol Remote Sensing</p> <p><i>+ Additional posters as part of the exhibition on ACTRIS-D Facilities by GUF, FZJ, UBA, DWD, KIT and TROPOS</i></p>

Tuesday, 21 June 2022

09:00 – 10:00	<i>Exhibition, Registration and Refreshments</i>
10:00 – 13:00	Launch of ACTRIS-D Ceremonial Event (in German) Welcome Introduction of ACTRIS-D Opening Messages Tour to ACTRIS-D Facilities Lunch Buffet
13:30 – 15:30	Invited Overview Presentations (Chairs: Anna Novelli, Bernhard Pospichal)
<i>13:30</i>	Message from the ACTRIS Head Office
<i>13:35</i>	Marion Wichmann-Fiebig, UBA: ACTRIS – a new perspective for improving air quality policies
<i>14:00</i>	Christian Plaß-Dülmer, DWD: Concepts for using ACTRIS in DWD
<i>14:30</i>	Thomas Leisner, KIT: Observation of ice formation processes in mixed-phase clouds
<i>15:00</i>	Justus Notholt, UBRE: Atmospheric trace gas remote sensing using the ground-based solar absorption spectrometry
	<i>Break</i>
16:00 – 18:00	Invited Overview Presentations (Chairs: Kristina Höhler, Ralf Sussmann)
<i>16:00</i>	Hendrik Fuchs, FZJ: Atmospheric research in the Teflon bag: simulation chambers and calibration centres of Forschungszentrum Jülich in ACTRIS
<i>16:30</i>	Albert Ansmann, TROPOS: Wildfire smoke in the stratosphere: a new aspect in the climate change debate
<i>17:00</i>	Alexander Vogel, GUF: Ultrafine particles near large airports: How chemical analysis can pave the way for effective mitigation strategies
<i>17:30</i>	Andrea Burgos Cuevas and Bernhard Pospichal, UzK: Boundary layer classification from Doppler lidar and microwave radiometer and its applications within ACTRIS
18:00 – 22:00	Outdoor Event and Dinner

Wednesday, 22 June 2022

09:00 – 10:30	ACTRIS-D Project Discussions ACTRIS-D Strategy: <ul style="list-style-type: none">• Long-term national ACTRIS goals and research• ACTRIS-related projects and planned proposals• ACTRIS-D in future European projects• Access provision and national co-funding• Goals of the Strategy Paper
	<i>Break</i>
11:00 – 12:30	ACTRIS-D Project Discussions ACTRIS-D NF and CF Projects – News, challenges, plans, next steps
	<i>Lunch Buffet and Departure</i>