

## Papers from the DACH 2019 conference at **Garmisch-Partenkirchen**

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The seventh triennial joint conference of the three national meteorological societies (DMG, ÖGM, SGM) of Germany, Austria and Switzerland, DACH2019, took place in Garmisch-Partenkirchen from March 18<sup>th</sup> until 22<sup>nd</sup>, 2019. The convention site was the municipal congress building in the city center of Garmisch-Partenkirchen. The conference was attended by about 480 participants who presented nearly 200 talks and about 150 posters. The local organization was headed by the Munich Section of the German Meteorological Society (DMG) which was supported by the German Aerospace Center (DLR), the German Meteorological Service (DWD), Munich University (LMU), the Karlsruhe Institute of Technology (KIT), and two colleagues from ÖGM and SGM. Earlier editions of these conferences (DACH2007 in Hamburg, DACH2010 in Bonn, and DACH2013 in Innsbruck) have already been covered in Special Issues of Meteorologische Zeitschrift (BEHR et al., 2008; HENSE et al., 2012; MAYER et al., 2014). The very first conference in this series was held in Vienna in 2001, followed by the second one in Karlsruhe in 2004. The previous, sixth conference took place in Berlin in 2016.

Following the overall concept of these triennial joint conferences to offer a forum for the scientific activities of all members of the three meteorological societies, the scientific program was organised in 17 sessions covering a broad range of topics:

Measurements and Observations Dynamics of the Atmosphere Boundary Layer and Turbulence Radiation, Clouds, and Precipitation Weather Forecasts Extreme Events High Performance Computing in Meteorology Climate Change, Climate Variations, and Societal Impact Atmospheric Chemistry and Aerosols Aviation Meteorology Energy Meteorology Environmental Meteorology Biometeorology Hydrometeorology Maritime Meteorology and Oceanography History of Meteorology Communication and Services

The full program with abstracts can still be found on the conference's web-page https://meetingorganizer. copernicus.org/DACH2019/sessionprogramme. Six manuscripts from this conference have been accepted for publication in this Special Issue.

TRIMMEL et al. (2021) combine urban climatology and climate change in their contribution by focusing on urban thermal conditions which can be expected for the mid of the present century. Another aspect of climate change, the decline of sea ice volume in the Baltic sea, is investigated from 30 years of data by SCHWEGMANN and HOLFORT (2021) while a further urban problem, the turbulent winds in street canyons, is addressed by PAAS et al. (2021).

HUPE et al. (2021) concentrated on a classical topic from dynamic meteorology, the formation of waves over and behind mountains. Another classical issue of meteorological research, radiative transfer, was addressed by GIERENS and ELEFTHERATOS (2021). The sixth contribution presents an experimental facility designed to investigate vortices which could produce phenomena such as dust devils (LOESCH and DU PUITS, 2021).

The next DACH conference is planned to take place in Leipzig (Germany) on March 21st to 25th, 2022. Details will show up at https://mitteldeutschland.dmg-ev.de/veranstaltung/dach-meteorologietagung-2022/.





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