

Prof. Dr. Susanne Crewell holds the professorship for Meteorology at the Institute for Geophysics and Meteorology. Her research is directed on a better understanding of the atmospheric water cycle by exploiting novel observation techniques from space, aircraft and ground and to bridge observations and modeling on different scales.

She obtained her doctorate in 1994 in Environmental Physics at the University of Bremen, Germany. Afterwards she worked as a post-doc at the State University of New York, Stony Brook, and University of Bonn. In 2004, she has been appointed Professor of Experimental Meteorology at the University of Munich.



Since 2006, Prof. Dr. Susanne Crewell established the Jülich ObservatorY for Cloud Evolution (JOYCE) as a member of the University of Cologne. JOYCE is dedicated to the observation of cloud formation and cloud transformation. Further, she is deputy speaker of the DFG-funded collaborative research center TR172 “Arctic Amplification: Climate Relevant Atmospheric and Surface Processes, and Feedback Mechanisms (AC)³ of the universities of Leipzig, Bremen and Cologne, the Alfred-Wegener Institute and TROPOS. She also represents University of Cologne’s scientists as a steering committee member in the cooperative project HD(CP)² – “High Definition of Clouds and Precipitation for Climate Prediction”, funded by the German Science Ministry BMBF. Moreover, Crewell initiated a range of national and international projects optimizing efficiency and exploring the use of remote sensing for weather forecast and climate modeling.

Susanne Crewell is elected member in a range of committees including the Academy of Sciences, Humanities and the Arts North Rhine Westphalia, the Joint ESA-Eumetsat Microwave Imager & Ice Cloud Imager Science Advisory Group and the Senate Commission of the Helmholtz Association.

Since October 2018, Prof. Dr. Susanne Crewell has been appointed as Vice Dean of Research at the Faculty of Mathematics and Natural Sciences at the University of Cologne.