Leipziger Meteorologisches Kolloquium

Donnerstag, 11.01.2024, 14:00 Uhr, nur online

Dr. Xianda Gong
(Westlake University, Hangzhou, China)

"Understand Aerosol-Cloud-Climate Interactions Based on Field Measurements"

Aerosol-cloud interactions continue to contribute the largest uncertainty to estimating the Earth's changing energy budget. A change in atmospheric aerosol particles, especially cloud condensation nuclei (CCN) and ice-nucleating particles (INPs) is bound to impact cloud properties, precipitation, and cloud radiative effects. The talk will focus on recent field measurements of aerosol-cloud interactions in the central Arctic and Eastern North Atlantic. I will discuss the contribution of blowing-snow-produced sea salt aerosols' to the Arctic surface warming. Then I will discuss the effects of the synoptic conditions on the supersaturation in the marine boundary layer cloud via aircraft measurements.

Link: https://eu02web.zoom-x.de/j/67678245537?pwd=K09ZaXNNS3JPaz-daNlhhVVBFbjk3UT09

Meeting ID: 676 7824 5537, Passcode: 508969