

Your Research on the Skies: How Tiny Particles Influence Our Climate

Bachelor's or Master's Theses in the Field of "Ice-Nucleating Particles"

In our working groups, we focus on the measurement of so-called ice-nucleating particles (INPs). These special and rare aerosols in Earth's atmosphere induce ice formation in clouds, thereby significantly influencing their radiation properties and precipitation formation.

Many details about the nature, origin, and distribution of INPs, as well as the mechanisms of cloud ice formation, remain incompletely understood. Therefore, we conduct both laboratory investigations and field measurements of INPs, also utilizing our large atmospheric simulation chambers, AIDA (Aerosol Interaction and Dynamics in the Atmosphere). A key emphasis is also placed on validating measurement methods and ensuring data quality assurance within the framework of the European research infrastructure ACTRIS (Aerosol, Clouds and Trace Gases Research Infrastructure).



We regularly offer interesting Bachelor- or Master's theses.
If you are interested, please get in touch with:

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