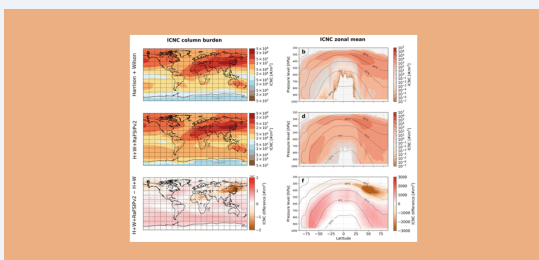


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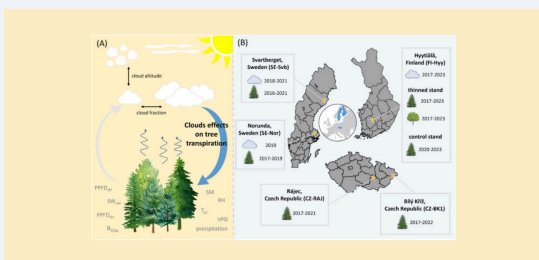
CLOUD-AEROSOL INTERACTIONS
& THEIR IMPACTS IN THE EARTH SYSTEM

Latest publications



[Implementation of primary and secondary ice production in EC-Earth3-AerChem: global impacts and insights](#)

Costa-Surós et al.



[Beyond cloud cover: Low- and high-altitude clouds have distinct impacts on tree sap flow and transpiration](#)

Talvinen et al.

[View all published papers](#)

[View our papers on Zenodo](#)

EGU26

We're looking forward to sharing our latest results at EGU 2026. Come see sessions organized by CERTAINTY & the presentations from team members at these sessions:

CERTAINTY co-organized sessions:

- **Clouds, Aerosols, Radiation and Precipitation**
Thu, 07 May, 08:30–12:25 (CEST), 14:00–17:55 (CEST) - Room F2
Convener: Anna Possner | Co-conveners: Hailing Jia, Harri Kokkola, Montserrat Costa Surós, Romanos Foskinis
- **Bridging Disciplines: Interactions Between Polar Aerosols, Clouds, Sea Ice, and Oceans in a Changing Climate**
Mon, 04 May, 16:15–18:00 (CEST) - Room M2 - Convener: Quentin Coopman | Co-conveners: Imogen Wadlow, Jessie Creamean, Julia Kojoj, Paul Zieger, Jennie L. Thomas, Radiance Calmer
- **EarthCARE's Second Year in Orbit: Advances in Cloud, Aerosol and Radiation Science**

Tue, 05 May, 08:30–10:15 (CEST) - Room M2 - Co-organized by GI4 - Convener: Bjorn Stevens | Co-conveners: Georgios Dekoutsidis, Pavlos Kollias, Hajime Okamoto, Johanna Mayer

- **Lidar remote sensing of the atmosphere**

Wed, 06 May, 08:30–10:15 (CEST) - Room -2.15

Co-organized by AS5/PS7/ST3 - Convener: Andreas Behrendt | Co-conveners: Paolo Di Girolamo, Silke Gross, Joelle Buxmann

CERTAINTY presentations in sessions:

- **Aerosols, cloud condensation nuclei, ice nucleating particles, and secondary ice production: Impacts on cloud processes and radiative feedbacks**

Wed, 06 May, 14:00–18:00 (CEST) - Room M1

- **Scientific software development in the Geosciences: good practices, pitfalls and solutions**

Tue, 05 May, 16:15–17:50 (CEST) - Room -2.33

- **Integrated Prediction of Weather and Atmospheric Composition**

Co-sponsored by WMO and CAMS

Fri, 08 May, 14:00–15:45 (CEST) - Room 1.85/86

- **BUGS: Blunders, Unexpected Glitches, and Surprises**

Tue, 05 May, 14:00–15:45 (CEST) - Room 0.15

New video



Watch our [interview with Anneli Virtanen](#) on how aerosols influence cloud properties.

Watch all our videos



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[Mastodon](#)

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