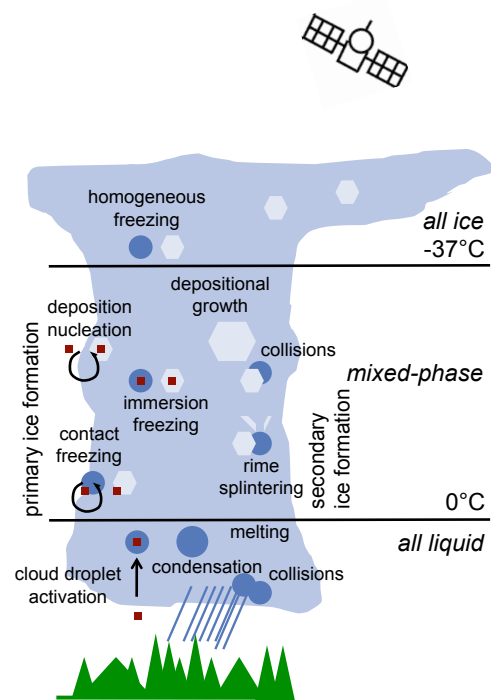


Announcement: 2-year Postdoctoral Position In Modelling of Mixed-Phase Clouds

Whether and where **clouds consist of liquid water, ice or both** (i.e. their thermodynamic phase distribution), has major impacts on the clouds' dynamical development, their radiative properties, their efficiency to form precipitation, and their impacts on the atmospheric environment. Cloud ice formation in the temperature range between 0 and -37°C is initiated by aerosol particles acting as heterogeneous ice nuclei and propagates through the cloud via a multitude of microphysical processes. In the **ERC Starting Grant project C2Phase** (Closure of the Cloud Phase) and the **H2020 project FORCeS** (<https://forces-project.eu>), we aim to use cloud resolving, regional and global models to test and improve our process understanding of ice formation and cloud glaciation, their sensitivity to perturbed aerosol conditions, and compare to satellite observations of the cloud phase.



Within these exciting projects, the **Institute of Meteorology and Climate Research (Department Troposphere Research, IMK-TRO)** at Karlsruhe Institute of Technology (KIT) in Germany invites applications for a **2-year position for a postdoctoral researcher** with experience in numerical modelling of clouds. This position leaves a considerable degree of freedom for the candidate to develop the project according to their own interests. We are looking for a highly motivated, independent candidate. We offer a dynamic work environment at one of Germany's largest research institutions for atmospheric sciences (read more at <http://www.imk.kit.edu>) with attractive programs for early-career researchers (<http://www.khys.kit.edu>) and payment according to TV-L E 13. The position is **available from 1st February 2022 or later**.

Please send applications for these positions to **Prof. Dr. Corinna Hoose** (corinna.hoose@kit.edu), including (in one pdf file) a letter of motivation, CV, certificates/transcripts of records, preferred starting date, and names of at minimum two referees.

Review of applications will start on **December 15, 2021**, and will continue until the position is filled.