

FORCES ULEI

The Institute for Meteorology, University of Leipzig, contributes to the EU Horizon 2020 project “Constrained aerosol forcing for improved climate projections” (FORCeS; Grant Agreement number 821205, lead: Stockholm University). The goal of this is to obtain a better description of the aerosol radiative forcing in climate models to better constrain climate sensitivity. The University of Leipzig mainly contributes to work package 2 in which cloud and aerosol-cloud interaction parameterisations are constrained by observational data from field campaigns and satellites.

The team mainly investigates the parameterisation of cloud droplet activation, condensational growth, mixing/evaporation, and precipitation formation, and works in this regard mostly with the ICON GCM.