

Project: **1143**

Project title: **FORCES**

Principal investigator: **Johannes Quaas**

Report period: **2020-01-01 to 2020-12-31**

Text: maximum of two pages including figures.

The work in the FORCES project is progressing. In the reporting period, the work on exploring the joint histograms between cloud droplet number concentration, N_d , and cloud liquid water path, LWP, has progressed. GCM simulations were conducted and compared to the results from the ICON-LES as available from the HD(CP)² project, and to satellite data from the MODIS instrument. The first steps towards a publication are taken.

The results of the simulations performed at DKRZ will be shared with the FORCES and also the AEROCOM communities and take part as such in model intercomparison studies.