

Project: 1156

Project title: High-resolution ICON simulations for the EUREC⁴A field campaign

Principal investigator: Vera Schemann

Report period: 2022-01-01 to 2022-10-31

Due to several issues and problems that were faced during the transition from Mistral to Levante, including the tests to find a setup with a reasonable performance, our planned simulations got delayed. Additional problems were caused by some issues with the new icon-release 2.6.5, which needed a bug fix to be suitable for ICON-LEM again. We are hoping to perform at least several of our planned simulations until the end of this year.

We will focus our remaining computing time on the simulations investigating the formation of precipitation by performing several sensitivity studies. Another main point will be the representativity of the obtained airborne measurements and different ways for comparison with high-resolution simulations. For this analysis, we will perform another set of sensitivity simulations.