

Project: **802**

Project title: **COSMO-CLM simulations with 2-way nesting**

Project lead: **Andreas Will**

Report period: **1.1.2018 - 31.12.2018**

The current status of the project

In 2017 we investigated the question, to what extent the results depend on the ESM chosen. The TWC coupling was implemented in ARPEGE and applied over Europe and improved the overall accuracy of horizontal and vertical interpolation. In 2018 the project plan was revised. A further model development was started, the COSMO to COSMO two-way coupling aiming to apply the model system at convection permitting scales. This development is nearly finished.

The series of simulations planned for 2018 was not conducted, and it is planned now for 2019.