

Project: **721**

Project title: **COSMO/CLM Training**

Principal investigator: **Andreas Will**

Report period: **2018-01-01 to 2018-12-31**

*The COSMO-CLM Training 12-16 March 2018 was conducted in cooperation with the German weather service. The materials for the training, the presentations given during the theoretical lessons and the tutorial for the practical exercises are made available on internet via*

<http://www.clm-community.eu/076575/index.php.en>

Approximately 50% of the participants of the training conducted the CLM exercises. They are using the COSMO-CLM for scientific studies now.

It is expected that a similar number of participants will join the COSMO/CLM Training 2019.

In order to prepare the training 2018 a 20 year reference simulation was conducted at 0.44 Deg. Resolution over Europe. For the training 2018 the new unified model version cosmo-clm\_5.0\_clm9 including aerosol and chemistry module ART was offered. Additionally the COSMO-ART idealised test cases together with 10 idealised case studies for dynamics and numerics have been conducted. These results have been made available to the participants as reference solutions for comparison with own results and for statistical data analysis. During the training week all participants in the COSMO-CLM training conducted short time simulations of 2 months for each exercise.

In 5-9 2018 a course was conducted at BTU Cottbus-Senftenberg in Environmental Modelling. Six students have been using COSMO-CLM and conducted sensitivity studies using the Training resources.

We would like to thank the DKRZ support team for fast solutions to problems and the overall support.