

Project: **721**

Project title: **COSMO/CLM Training**

Project leader: **Andreas Will**

Report period: **01.1.2016 - 30.04.2017**

The COSMO-CLM Trainings 15-23 Feb. 2016 and 27-31 March 2017 were 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/index.php?menuid=208>

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

It is expected that a similar number of participants will join the COSMO/CLM Training 2018.

In order to prepare the training 2016 and 2017 one 20 year reference simulation was conducted at 0.44 Deg. Resolution over Europe. For the training 2017 the new unified model version cosmo-clm_5.0 including aerosol and chemistry module ART was offered. Additionally a one month COSMO-ART run was conducted and a 10 year coupled CCLM+CLM (Community Land Model) run together with 10 idealised case studies. 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.

We would like to thank the DKRZ support team for fast solutions to problems which occurred during the training.