

Project: **793**

Project title: **PEGASOS**

Project lead: **Susanne Pfeifer**

Report period: **2016-01-01 to 2016-12-31**

Datenprojekt.

The duration of the EU FP7 Project on the Pan-European Gas-AeroSOls-climate interaction Study (PEGASOS) was 4 years from 1 January 2011 to 31 December 2014. The Consortium was composed of 26 partners from 15 countries including the Climate Service Center Germany (GERICS) and coordinated by Prof. Spyros Pandis (pegasos.iceht.forth.gr).

The list of experiments done by GERICS were reported in the previous computing time application and is enumerated in the table below:

Experiment	Description	Period
REMO	REMO driven by ERA-Interim for model evaluation, European CORDEX Domain, 0.44 degree resolution	1989-2009
REMO-HAM	REMO-HAM driven by ERA-Interim including the Greek forest fires of 2007, European CORDEX Domain, 0.44 degree resolution, AEROCOM2000	2005-2009
REMO-EITR	REMO without aerosol module using the ERA-Interim for hindcast simulations	1979-2008
REMO-NORESMCLE	REMO without aerosol module driven by NORESM CLE and GHG from RCP4.5	1990-2050
REMOHAM-EITR	REMO-HAM using ERA-Interim, aerosols and emissions boundary conditions from AEROCOM, GFED, and oxidants from MOZART	2005-2009
REMOHAM-NORESM	REMOHAM driven by NORESM CLE, GHG from RCP4.5, aerosols and emissions boundary conditions from AEROCOM, and oxidants from MOZART	2005-2009
REMOHAM-NORESMCLE	REMOHAM driven by NORESM CLE, GHG from RCP4.5, aerosols and emissions boundary conditions from ECLIPSE, and oxidants from TM4	Representative years for 2005-2011, 2040-2044

The simulations were a part of an EU FP7 Project and we are requested to store the data up to 5 years. In addition, there is a possibility of a demand in the next succeeding years as the WCRP CORDEX Initiative are currently investigating regional climate models with aerosols as part of recently launched flagship pilot studies. The data will be processed by GERICS and transferred in the long-term archive.