MOSQUITOCOMP - 2013

This project is established in order to do the calculations needed by the MiKlip / MOSQUITO project. The MOSQUITO project is within MiKlip Module E, and its main purpose is the validation of the global and regional model runs of the MiKlip using tropospheric and stratospheric measurements, particularly radiosonde observations.

The MOSQUITOCOMP – 2013 project consists of two main parts:

- Analyse and compare long term trends in the observational and simulated data. Analyse and compare time series properties of observed and modelled modes of variability (from MIKLIP Modules A to D), that are relevant for interannual to decadal scale climate predictions (normal modes/ teleconnection patterns, Arctic / North Atlantic Oscillation, ENSO, QBO, solar cycle, etc.). This study is to be made by comparing observational data to every ensemble member of each global/regional run.
- 2) Another aim of the MOSQUITO project is to validate the dynamical properties of the simulations in the upper atmosphere. We will turn to Lagrangian tools to do more accurate comparisons. Therefore the development and benchmarking of new codes has to be done, necessarily in the DKRZ environment.