ECOSUPPORT

WP1, 3-month progress report June 18th 2009

T1.1 Forcing data 1850-2007 (1-12)

GKSS- To reconstruct statistically the daily atmospheric forcing fields in the period from 1850 based on long sea-level-pressure series, the work has focused on the analog method. The method is now being tested with model data of the RCAO simulation in the reanalysis era. So far the method yields satisfactory results for most variables, except for daily wind. Roundabouts to improve the performance of this method for this variable are being tried. Alternatively, the reconstructed sea-level-pressure could be transformed to wind via empirical formulae.

FMI - A set of 25 articles of published atmospheric load data, the oldest dating back to 1850 has been compiled.. The conversion of this data into electronic form for distribution within ECOSUPPORT has been started. Negotiations are ongoing with the owners of some other old air and deposition data sets about the use of those data within ECOSUPPORT [D1.1, M12].

T1.2 Forcing data 1850-2007 (1-12)

SMHI- The simulation with the coupled model RCAO for the reanalysis era has been completed and the data have been distributed to the project partners. The RCAO simulation driven by the global simulation ECHAM5/A1B will be completed soon. Some problems with the simulation of salinity and the representation of the sea-level-pressure gradient along the Baltic Sea in the forcing data Sea are being addressed