Project no. 282688

ECLIPSE

Evaluating the **Cl**imate and Air Quality **Imp**acts of **S**hort-Liv**e**d Pollutants

Collaborative Project

Work programme: Climate forcing of non UnFCCC gases, aerosols and black carbon
Activity code: ENV.2011.1.1.2-2
Coordinator: Andreas Stohl, NILU - Norsk institutt for luftforskning

Start date of project: November 1st, 2011
Duration: 36 months

Deliverable D6.1 Simulation results database, type R

Due date of deliverable: project month 21
Actual submission date: project month 35

Organisation name of lead contractor for this deliverable: URead
Scientist responsible for this deliverable: W J Collins

Revision 1

Project co-funded by the European Commission within the Seventh Framework Programme (2007-2013)		
Dissemination Level		
PU	Public	
PP	Restricted to other programme participants (including the Commission Services)	X
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Task 6.1 was to run global perturbations of the seven individual SLCFs: BC, OC, SO2, NH3, NOx, CO, and VOC in coupled atmosphere-ocean climate models. This deliverable (D6.1) is to record that the output from 3 models (NorESM, ECHAM and HadGEM3) was stored in a database.

The "control" experiment kept concentrations of well-mixed greenhouse gases (WMGHGs) fixed at 2005 levels (ECHAM used 1850 WMGHGs), and emissions of short-lived species also fixed. The experiments were performed by removing 100% of the anthropogenic emissions of each short-lived species, one at a time. Each modelling group ran the same scenarios. The experiments were integrated for 50 years in order to separate a robust signal from the interannual variability.

The results were stored in a database. The FTP server is accessible via its IP 139.18.6.243. Data stored include, gridded temperature, precipitation, evaporation, radiation and sea ice, on model native grids.