

ÉCLAIRE Kick-off Meeting: Brescia 2011

Minutes of the C7 Session: S7b

Title : S7b: Atmospheric model intercomparison at the European scale

Time : Wed 26th, 11:00

Chair : David Simpson

Attendees : 10

Minutes by : David Simpson MET.NO

Aim

To plan the European scale modelling studies, concentrating on actions needed in the first 12 months of ECLAIRE

Topics discussed with Issue, decisions/conclusions and actions

- 1) Comparison of current chemical transport models (CTMs). Seven different CTMs will be compared for current conditions (possibly year 2008 or nearby), in order to assess the current state and variability among models with regard to simulations of ozone concentrations and deposition of sulphur and nitrogen. Will make use of EMEP, NEU and other data (e.g. fluxes, satellite NH₃?)
- 2) EMEP, MATCH and DEHM models will expand an ongoing Nordic project (EnsClim) to focus more on N-deposition, investigating impacts of climate change versus emissions changes, 2000s versus 2040s.
- 3) Downscaled (and high resolution) scenarios will become available from the Swedish RCA3 model in coming months. Allowing time for data-quality checks, the CTM model calculations will likely start in Autumn 2012. Revised emissions from IIASA will hopefully be available around the same time.

Issues:

- i) Unclear how C4 and C8 sub-grid models will work. Likely needs joint effort?

- ii) Need to define scenarios – use transients, time-window?

Decisions

Action	Due	Who
1a) Protocol for ensemble calculations ready	Dec. 2011 (Lead: M. Schaap)	
1b) CTM model runs	End Feb 2012 (lead: M. Schaap)	
2) EnsClim N deposition comparison	Mar 2012 (D. Simpson)	
3) Joint meeting with C4,C5-C8	In progress	