

Summary of COSMOS paleo meeting at EGU 2008

14th April 2008, 17:30-19:00

Gerrit Lohmann (GL), chaired the meeting, and welcomed the (ca. 20) people attending. GL gave a short introduction about the aim of this meeting.

- Information about current activities/projects
- Scientific questions
- Climate/Earth System components (to be) included for paleo studies
- Future projects & coordinated efforts like PMIP II

GL reported on efforts at the Alfred-Wegener Institute for Polar and Marine Research, both DFG projects as well as institutional funding. Besides Holocene and glacial variability, a DFG research unit about Cenozoic climate cooling is going to be established.

Johann Jungclauss (JJ) gave an overview of projects at the Max-Planck-Institute in Hamburg. Several Holocene projects were shown. An integrated effort is the millennium project, lead by JJ, with focus on the last thousand years including the full carbon cycle.

A few points were made from the floor. Uwe Mikolajewicz said that he already has done the PMIP II experiments using COSMOS 0.8 and will submit the results to the PMIP data base, as soon as someone has converted the data files into the proper format. Others reported about their efforts using other versions of the model (for the same or similar time slides). There was a little concern that model developments are not clearly visible. Therefore, Reinhard Budich and GL agreed to establish a web page where the PIs shall provide some text or a link to projects/initiatives. On this web page, people shall also inform others about deficiencies/gaps in the model. E.g. the ocean models have usually not a time-varying land-sea distribution.

Furthermore, Marco Giorgetta as head of the COSMOS model development activities is asked to provide model development plans and strategies on the COSMOS website.

There was some agreement that COSMOS could provide a suitable platform for the integration of more Earth System model components. Also the web page would help to start information and collaboration. Furthermore it would be extremely helpful to have better documentation, the recently launched EGU journal http://www.geoscientific-model-development.net/ is a good possibility.

Next meeting is at the COSMOS workshop General Assembly in Helsinki, Finland, May 20 to 22, 2008.

We plan to make a COSMOS-paleo meeting there. Next EGU, there could be another meeting about the progress in integration of earth system components for the application on long time scales.

GL asked members to contact him or Reinhard with any further suggestions or to further discuss these ones.

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