

Contactpersoon

Pier Siebesma
 030-2206760
 siebesma@knmi.nl

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Minutes secretary

Pier Siebesma

Attachment(s)

Subject Action Points/Minutes of the meeting
 Place and date of meeting De Bilt, Netherlands, 20-21 February 2012

Participants:

Sandrine Bony (IPSL), Sarah Dal Gesso (KNMI), Jean-Louis Dufresne (IPSL), Cathy Hohenegger (MPI), Carlo Lacagnina (KNMI), Thorsten Mauritsen (MPI), Benjamin Möbis (MPI), Roel Neggers (KNMI), Frank Selten (KNMI), A. Pier Siebesma (KNMI) and Bjorn Stevens (MPI),

Action Points EUCLIPSE Planning Meeting 20-21 February 2012

1 Cross-cutting Themes**1.1 Convective Dynamics**

Björn and Kraute: To set up a short document describing a number of experiments that allow the interactions between cloud radiative forcings and the large scale dynamics (ITCZ, MJO, ect). Type of experiments (AMIP, Aquaplanet, +4K) , (CRF, No-CRF), Time period, which output, etc.

Send out the document to : i) the partners, ii) Karin vd Schaft who will post the document on the EUCLIPSE website

Deadline: 14 days.

1.2 Cloud Bias Characteristics

There will be a focus on the “too bright too few” bias. One objective will be to systematically establish whether this bias is present for all in EUCLIPSE participating climate models. Subsequently we will try to find the possible reasons for this bias. To this purpose we will mainly make use of the single grid-point output generated from the AMIP and the T-AMIP runs. This will be done by evaluating LWC/CC (or tau/cc) vs albedo both in climate mode (AMIP) and in a NWP mode (T-AMIP). There will be a focus on the Cloudnet and the GPCI points.

The plans will be further worked out in the April EUCLIPSE-WG3 meeting in Toulouse.

Direct action points:

i) Roel Neggers: To directly contact the representatives of the various EUCLIPSE climate models to make their grid point output available (AMIP, T-AMIP):

Contact Persons:

ECHAM: Salzmann
IPSL : Dufresne
EC-Earth : Selten
Arpege : Douville
HadGem : Webb

ii) Pier & Stephan: To invite the following people for the planning meeting in Toulouse:

Johannes Karlson: Expertise on obs GPCI)
Christine Nam (IPSL): To bring in the analysis presented by DuFresne last week)
Louise Nuyens: To bring in the Barbados Obs
Allejandro Bodas: Input from MetO

1.3 Low Cloud Feedbacks

- i) Bony: To extend the “moist static energy budget analysis” to the other EUCLIPSE models.
- ii) Dal Gesso/Siebesma/Roode : To test the “moist static energy budget analysis” on a case basis using LES techniques.
- iii) Dal Gesso/Siebesma/Roode : To set up a intercomparison for Scu a la CGILS through exploring the phase space by varying inversion strength and perturbing these with SST's

1.4 Cloud Adjustments

- i) Cathy Hohenegger, Kraute: To set up a description with sensitivity experiments with soil moisture in current and 4XCO2 climate.
- ii) Pier Siebesma: To Contact Ulrike Lohmann to present a plan at the next annual meeting on the evaluation of the (indirect) aerosol effect.

2 Deliverables and Activities WP4

Bjorn: To prepare a “contest” for climate modellers to prepare and run climate model versions that can explore the lower (and upper boundaries) of the climate model sensitivity. This contest should be presented at the annual meeting in Paris

D4.1 : A developing data base and protocol for parameter and structural (numerical) sensitivity studies:
Month 24

Bjorn: To prepare a document describing the various activities and sensitivity runs and analyses such as will be done in the various cross-cutting activities described above.

Deadline: Latest at the Annual meeting in May.

D4.2 : Comparison study of the model sensitivity to the numerical structure of the computations with the parameter sensitivity of the model (Month 36)

Some models (IPSL, ECHAM) have already documented sensitivity studies:

Bjorn: To make sure that that the already documented model sensitivity studies have references to EUCLIPSE

Bjorn: To set out instructions for the other EUCLIPSE models to perform and document sensitivity experiments.

D4.3 : Report on a study identifying the utility of NWP based methods:

Bjorn: To contact Mark Rodwell on this asking for a concrete plan to be presented at the Annual meeting in May.

The Book on clouds & climate:

Pier: Will update the document of Christian and send this around to the participants.

The May Annual EuclipseMeeting

Artikel I. 4-day meeting

Artikel II. First 3 days organised around WP2/WP3 deliverables and the 4 cross-cutting themes.

Artikel III. Break-out discussions on the 4 cross-cutting themes

Artikel IV. Friday: Plenary discussions on the 4 cross-cutting themes, other practical EUCLIPSE matters and in the afternoon presentations plus discussions on the EUCLIPSE book.

Sandrine & Pier : Further filling in of the programme and advertisement