

Agenda (*provisional*)

DAY 1 - Monday, September 3

0900-0910

Welcome - J. Mitchell, G. Meehl

- Introductions
- Times, local arrangements - M. Giorgetta
- Explanation of Agenda - J. Mitchell

Adoption of Agenda

0910-0930

Reports and news from governing groups (JSC/CLIVAR) (5 minutes each)

- JSC-XXVIII session, Zanzibar, Tanzania - G.Flato
- CLIVAR SSG session and International CLIVAR Project Office - G. Meehl
- ACC: reports from Beijing, Paris Meetings - G.Flato or other JSC Member/J. Mitchell
- Modelling Summit - TBD

0930-1030

Updates on proposed coordinated experiments and science input relevant to the science questions related to the short term and long term experiments (follow-up to WGCM Victoria meeting, 2006) (15 minute talks, 5 minutes questions)

- Review proposed strategy for coordinated experiments addressing short term and longer term climate stabilization (note ENSEMBLES activity) - G. Meehl
- Review responses from modelling groups and input from others in the community (e.g. IDAG) regarding experimental design - G.Meehl, G. Hegerl
- Other possible experiments to test feedbacks in the experimental design - K. Taylor, P. Friedlingstein

1030-1050 Coffee break

- WGSIP input on the short-term decadal experiments, issues related to coupled initialization, ENSO in AOGCMs, and other issues related to WGCM - T. Stockdale
- Perspective on the long term stabilization experiments, status of benchmark stabilization concentration scenarios (Snowmass meeting outcomes, preview upcoming Netherlands meeting, including relevant input on proposed experimental design from TGICA and scenarios consortium, interface with WG2 community) - N. Nakicenovic

-Working Group on Numerical Experimentation WGNE perspective on coordinated experiments, especially the higher resolution short-term experiments, and other issues directly related to WGCM - M.Miller/K. Taylor

-Working Group on Ocean Modelling (WGOMD) including any input on proposed short term and long term coordinated experiments, appropriate resolution, etc. - H. Banks

-Coupled initialization and associated science questions related to the short term decadal prediction problem - J. Murphy

1230-1345 Lunch

1345-1530

Discussion of issues for WGCM (leader in brackets) (15 minute talk, 5 minute questions)

--Improving climate models

-Cloud climate feedbacks, aerosols - (S.Bony)

-Carbon cycle climate feedbacks:

(1) long term stabilization experiments

(2) strategy for reduction of uncertainties - (C. Le Quéré)

-Metrics: How do we show how well (or poorly) climate models work - K.Taylor

--High impact or emerging uncertainties

-Ice sheets and sea level – (J. Gregory)

-Air quality and climate change - (V. Eyring)

1530-1600 Coffee break

1600-1720

Discussion of issues for WGCM (leader in brackets) (15 minute talk, 5 minutes questions, cont'd)

--Serving the impacts community:

-Regional downscaling for short term and long term (F. Giorgi)

-Decadal prediction - latest developments in the modeling community, and application to impacts - (M. Giorgetta)

-Impacts and the next set of coordinated experiments (lead?)

-WGCM's input to WCRP SBSTA paper on Climate Modelling needs for regionalization - (A.Henderson-Sellers)

1720-1745

Recap of day's session and discussion of topics to be re-visited in the next 2 days

DAY 2 - Tuesday, September 4

0900-1030

Updates from modelling centres (including where are the modeling groups in their development cycles related to the proposed experimental design, both classes of models or just one, computing issues related to the large number of experiments proposed) (12 minutes each, 3 minutes questions)

- Germany - M. Giorgetta
- France - P. Bracannot/S. Bony
- Canada - G. Flato
- Italy - F. Giorgi
- Australia - A. Hirst
- Japan - M. Kimoto

1030-1100 Coffee Break

- U.K. - J. Mitchell
- NCAR - G. Meehl
- GFDL - S. Griffies

1145-1230 WGCM activities

Coupled Model Intercomparison Project (CMIP) - R.Stouffer, C.Covey, K.Taylor, D. Bader

- Current status of CMIP3 multi-model dataset and analysis efforts
- CFMIP next steps (anything not discussed under clouds and aerosols)
- How will model output from the next set of coordinated experiments be archived and accessed?

1230-1345 Lunch break

1345-1405 WGCM activities (continued)

Paleoclimate Modelling(including relative to climate sensitivity, sea level if not already discussed) - P. Braconnot

1405-1545

Discussion topics

-Role of EMICs to complement AOGCMs and ESMs, especially to interpolate between benchmark scenarios; pattern scaling – (J. Mitchell lead)

-Computer resources required for coordinated experiments - (G. Meehl lead)

1545-1615 Coffee break

1615-1715

Discussion topics (cont.)

-Revisit experimental design in light of outstanding science or logistical considerations - (J. Mitchell lead)

1715-1745

Recap of day's session, and discuss topics for discussion Wednesday

Evening Dinner hosted by MPI

DAY 3 - Wednesday, September 5

0900-1030

Review of decisions, requests to projects etc, and future directions

1030-1100 Coffee break

1100-1230

Review linkages with WGSIP, WGNE, AIMES, WG2, WG3, and others

1230-1345 Lunch break

1345-1530

Recap of session, and re-visit any topics that need further consideration

1530-1600 Coffee break

1600-1700

Closed session

-Membership issues

-Next Session: venue, dates

1700 End of WGCM-11 Session