

**WGCM 17 session**  
**October 1-3 2013**  
**Including Joint WGCM-AIMES session on October 3**  
*Draft, 19 Sept 2013*

**Tuesday, October 1st**

**0900 - 0920 – Opening**

Welcome, meeting objectives, agenda (G. Meehl, S. Bony)  
Logistics (G. Flato)

**0920 - 1000 – WCRP updates**

Updates from WCRP & Report from JSC-34 (M. Rixen and A. Pirani, 10 min)  
Report from WMAC2 (WCRP Modeling Advisory Council) (M. Rixen, 10 min)  
WCRP Grand Challenge on Clouds and Climate Sensitivity (S. Bony, B. Stevens, 20 min)

**1000 - 1030 – CMIP5 review**

CMIP5 Survey (V. Eyring & R. Stouffer)

**1030-1100 - Coffee break**

**1100 - 1230 – Looking forward to CMIP6**

Aspen workshop (G. Meehl)  
Synthesis of the post-Aspen document (V. Eyring)  
Discussion: towards a new CMIP structure and organization

**1230 - 1400 - Lunch**

**1400 - 1530 – Modeling groups' perspectives on CMIP6**

*Views, suggestions and recommendations for CMIP6?* (15 min, incl questions)

Canada, CCCma (G. Flato)  
Germany, MPI (B. Stevens)  
U.K., Hadley Centre; Reading (C. Senior)  
France, IPSL; Météo France (S. Bony, M. Kageyama)  
EC-Earth (C. Jones)  
Australia, ACCESS (T. Hirst)

**1530 - 1600 - Coffee break**

**1600 - 1715 – Modeling groups' perspectives on CMIP6 (continued)**

*Views, suggestions and recommendations for CMIP6?* (15 min, incl questions)

USA, GFDL (R. Stouffer)  
USA, NCAR (G. Meehl)  
Japan, AORI/U. Tokyo/JAMSTEC/NIES; MRI (M. Kawamiya)  
China, LASG; BCC (B. Wang)  
Other groups, GISS, Italy, NGFC, Korea (G. Meehl)

**1715 - 1745**

Discussion: Implications of modeling groups' perspectives for CMIP6

**1745 – 1800 – Recap of the day**

**18:00- 20:00 Wine and Cheese reception (sponsored by PICS)**

## **Wednesday October 2**

**0900 – 0915**

Review previous day and outline agenda for the day (G. Meehl and S. Bony)

**0915 - 1030 MIPs perspectives on CMIP6**

*Lessons from CMIP5, plans for synthesis papers, CMIP5 analysis workshop, suggestions and recommendations for CMIP6 (15 min each)*

CFMIP (S. Bony)

PMIP (M. Kageyama)

Transpose-AMIP (C. Senior)

CORDEX (C. Jones)

WGNE (J-N Thépaut, remotely - 10:15 Victoria time)

Others? (e.g. high-resolution time slices)

**1030 - 1100 - Coffee break**

**1100 - 1200 – MIPs perspectives on CMIP6 (continued)**

*NB: C4MIP and biogeochemistry discussed in joint WGCM/AIMES session*

Decadal panel (G. Boer)

GeoMIP (K. Taylor)

IDAG (C. Tebaldi)

WGOMD (G. Danabasoglu)

**1200 - 1230 – Implications for CMIP6 (Discussion)**

CMIP5 Synthesis papers and model analysis workshops

Interaction between CMIP and MIPs

Do we need a CMIP Council? If yes: composition, role and governance?

**1230 - 1400 – Lunch**

**1400 – 1430 – CMIP infrastructure**

Proposal for CMIP infrastructure (K. Taylor, V. Balaji)

**1430 – 1500 – CMIP evaluation & benchmarking**

Metrics panel (P. Gleckler)

Diagnostic and benchmarking of CMIP models (V. Eyring)

**1500 – 1530 – Expert groups and workshops to be set-up for CMIP6**

Obs4MIPs-CMIP6 workshop (P. Gleckler)

Model tuning (S. Bony)

**1530 – 1600 - Coffee break**

**1600 – 1630 – Expert groups and workshops to be set-up for CMIP6**

Radiative forcing (K. Taylor)

Pattern Scaling (C. Tebaldi)

### **1630 – 1700 – Key science questions for CMIP6**

Questions from WCRP Grand Challenges  
Other questions

### **1700 – 1730 – CMIP6 Recap (Discussion)**

Recap current plans and plan the next steps

### **1730 – 1800 WGCM Business**

Review of actions  
Preparation joint meeting with AIMES  
Next meeting  
Membership issues

## **Thursday October 3: Joint WGCM-AIMES Session**

### **0900 – 0930 Objectives**

Objectives of the joint session (WGCM and AIMES co-chairs)  
Overview of AIMES (P. Cox, K. Hibbard)  
Overview of WGCM (G. Meehl, S. Bony)

### **0930 – 1000 WGCM and AIMES meeting summaries**

Recap WGCM discussions about CMIP6 (G. Meehl, S. Bony and WGCM)  
AIMES perspectives on CMIP6 (P.Cox and AIMES)

### **1000 – 1030**

Discussion

**1030 - 1100** - Coffee break

### **1100-1230 – What have we learned from CMIP5? Questions for CMIP6?**

Design of CMIP6 scenarios (D. van Vuuren - remotely, 11:00 Victoria time)  
RCPs (R. Moss, K. Takahashi)  
LUMIP (G. Hurtt - remotely 11:30 Victoria time, M. Rounsevell)  
Biogeochemistry (N. Mahowald, A. Arneth)  
CCMI (V. Eyring)  
C4MIP (P. Friedlingstein - remotely, 14:00 Victoria time, V. Brovkin)

### **1230 – 1400 - Lunch**

### **1400 – 1530 - Science questions for CMIP6**

How can we reduce the range of projections?  
How can we encourage model evaluation and improvement before scenario runs?  
Which new feedbacks will be included for CMIP6, and which WGCM and AIMES activities are required to support these? Are new datasets required?  
Can we begin to answer questions on the likelihood of climate “tipping points”?  
What questions do we want to address with scenarios?  
How do we ensure a balance between scenarios that have scientific relevance and scenarios that have policy relevance?  
How different should the scenarios be to provide different climate responses?  
How different should the scenarios be to provide different socio-economic responses?  
How much can we understand the climate responses to scenarios based on pattern scaling?

How can we make the most of emergent constraints?  
Others to be collected from discussions through the day.....

**1530 - 1600** - Coffee break

**1600 - 1630 – Towards CMIP6**

Suggestions of coordinated experiments

Connections to analysis

Opportunity for a scenario-MIP?

SSP/RCP matrix: questions, sampling strategy, etc

**1630 – 1700 – Next steps**

Scope and outline of the pattern scaling workshop

Actions for WGCM and AIMES.

**1700 – 1800 - Recap of the session and adjourn**