

Workshop on using paleo-climate model/data comparisons to constrain future projections: Mar 1-3, The Bishop Museum Honolulu, Hawaii

Agenda

Note: Each topic has two assigned discussants. These discussants are expected to present a brief overview of their topic – including for instance, the status of paleo-data synthesis efforts, existing paleo-model data analysis (CMIP5, but also earlier work), issues, and connections to future projections. Then they should lead a discussion on their particular topic bringing in contributions from the other attendees as required. The goal is to assess progress so far, the needed next steps and potential for future work using CMIP5.

Thursday 1st March 2012:

8.30am Bus pick up Ala Moana/Breakfast

9.00 Welcome and introduction: Gavin Schmidt

9.15 Local Arrangements: Axel Timmermann

9.30 Morning Session: *Discussion of general issues*

Discussants: James Annan, Julien Emile-Gaey

- 1) Paleo-climate simulations in PMIP3/CMIP5. The multi-member ensemble
- 2) Role of out-of-sample evaluation of climate models
- 3) Statistical framework – inference, inverse/forward models, initial condition/structural uncertainty
- 4) Data syntheses

10.30 Coffee break

10.45 Morning Session (cont.)

12.30 Lunch

1.30pm Afternoon Session: *Hydrology/Regional rainfall*

Discussants: Ben Cook, Sandy Harrison

3.45 Coffee break

4.00 ENSO variability and changes in mean state

Discussants: Mike Mann, Kim Cobb

5.15 Bus back to hotel

6pm Public event at Bishop Museum: “Is the past prolog?”

Kim Cobb keynote, panel and Q+A, reception to follow

8pm Close.

Friday 2nd March:

8.30am Bus pick-up Ala Moana/Breakfast

9.00 Morning Session I: Sea level rise/ice sheet sensitivity

Discussants: Betty Otto-Bleisner, Ayako Abe Ouchi

10.30 Coffee

10.45 Morning Session II: Meridional overturning circulation/sea ice

Discussants: Fidel Gonzalez-Ruoco, Bruno Tremblay

12.30 Lunch

1.00 Afternoon Session I: Climate sensitivity, polar amplification

Discussants: Andreas Schmittner, Julia Hargreaves

3.45 Coffee break

4.00 Afternoon Session II: Extreme events

Discussants: Pascal Yiou

5.15 Bus back to Hotel

Saturday 3rd March:

8.30am Bus pick-up Ala Moana/Breakfast

9.00 Morning session: *Breakout groups*

Breakout groups on progress so far and needed work

Break out group leaders and respondents: TBD

11.30 Reports from breakout groups

12.30 Lunch

1.00 Afternoon session: *Drafting or excursions*

Drafting discussion of “best practice” white paper/hydrological climate example

(For those not involved in drafting white paper, there are a number of semi-organised excursions available including surfing lessons and hiking.)

5pm End of meeting at museum

6pm: Group Dinner: Honolulu Aquarium, Waikiki