

# Past to Future - Meetings

## PMIP4 meetings

### Workshop at University College London (13-17th May 2019)

This was a small [workshop](#) organised by the PMIP4 working group, which was imaginatively also called “Past2Future: insights from a constantly varying past”. It focused on analysing the PMIP4/CMIP6 simulations and providing some preliminary multi-model, multi-period results on IPCC timescales. It was hosted in London with Chris Brierley as the local organiser. See the [workshop webpage](#) for more details.

## Past meetings (PMIP3 Past2Future)

### Joint Assembly, Montreal, 2015

#### Place, date, etc...

Montreal, Canada, 4-7 May 2015

PP32A: Using Paleoclimate Modeling and Data to Constrain Future Predictions Conveners: Gavin A. Schmidt, Bruno Tremblay, Julia C. Hargreaves

<https://agu.confex.com/agu/ja2015/meetingapp.cgi#Session/6882>

#### Participants

Gavin A. Schmidt Richard Zeebe Richard P. Guyette Aixue Hu Mark Chandler Allegra LeGrande Bruno Tremblay Shaun Lovejoy

#### P2F activity

Discussions and post-session lunch.

### EGU 2015, Vienna

Original Session CL4.9, “Using paleoclimate modelling and data to learn about the future” conveners Julia Hargreaves, Michel Crucifix, Gavin Schmidt, merged with CL1.8 to become: “Paleoclimates from the Cretaceous to the Holocene: learning from numerical experiments and model-data comparisons, and using paleoclimate modelling and data to learn about the future”, conveners: Masa Kageyama,

André Paul, Dan Lunt, Michal Kucera, Julia Hargreaves, Michel Crucifix, Gavin A. Schmidt. With 10 abstracts from CL4.9, three were oral presentations, and the rest were presented as posters.

### **Place, date, etc...**

Vienna, Austria,  
Wed, 15 Apr, 10:30–12:00 / 13:30–17:00 / Room Y9, 17:30  
Wed, 15 Apr, 17:30–19:00 / Yellow Posters

### **Participants (from original CL4.9 session)**

Invited orals:

Paleoclimate diagnostics: consistent large-scale temperature responses in warm and cold climates. Kenji Izumi et al.

Sensitivity of Southern Hemisphere circulation to LGM and 4xCO<sub>2</sub> climates. Maisa Rojas

Oral:

Climate and carbon cycle dynamics in a CESM simulation from 850-2100 CE. Flavio Lehner et al.

Posters:

Is the PMIP ensemble large enough? Julia C. Hargreaves and James D. Annan

Climate response to astronomical forcing: a resonance scenario vs. a synchronization scenario. Arianna Marchionne

Dominant role of atmospheric dynamics for North Pacific Holocene SST trends: Validating models. Gerrit Lohmann et al.

Late Quaternary and Future Biome Simulations for Alaska and Eastern Russia. Amy Hendricks et al.

Relationship between El Niño and the hydrological cycle of tropical regions in different climatic contexts. Marion Saint-Lu et al.

Paleodynamics of large closed lakes as a standard for climate modeling data verification. Alexander Kislov

Reconstruction of the South Atlantic Dipole Index. Ilana Wainer et al.

### **P2F relevant sessions**

There was another P2F relevant session, CL4.12/HS7.9, The hydrological cycle under past, present and future climate change (co-organized) Conveners: Michael Byrne, Robin Chadwick, Florent Brient, Charline Marzin. Included an invited talk by Pascale Braconnot, “Hydrological changes in the tropics: an Holocene perspective”, which included quite a strong P2F perspective. But all the other talks in the session were on present climate. The poster session included, “Robust relationships in past and future simulation: atmospheric circulation and hydrological cycle over the tropics Kenji Izumi et al” and “Early Eocene changes in the frequency and spatial distribution of extreme precipitation events Matthew Carmichael et al”

## **PMIP3, Namur Belgium, 2014**

### **Place, date, etc...**

Namur, Belgium, 23-30 May 2014 The second PMIP3 general meeting <http://www.climate.be/pmip3/>

Everything about PMIP3. Mostly multi-model science results and workshop reports and planning sessions.

## Participants

These two links include most of the attendees Talks: <http://www.climate.be/pmip3/listtalks.php>

Posters: <http://www.climate.be/pmip3/posters.php>

## P2F activity

Talks by Julia Hargreaves, Gavin Schmidt and Steve Sherwood. Thursday lunchtime planning meeting with Julia Hargreaves, Michel Crucifix, Masa Kageyama, Dan Lunt, Gavin Schmidt and Steve Sherwood with aim of forming a clear focus for the group. Produced [version 2.0 of the Aims and Scope](#).

## DIMACS, Rutgers USA, 2013

### Place, date, etc...

Rutgers, NJ, USA, January 17-18, 2013 DIMACS workshop on "Geological data fusion: Tackling the statistical challenges of interpreting past environmental change"

<http://dimacs.rutgers.edu/Workshops/Geological/>

Basically, it was all about paleoclimate and statistics, but a bit about future climate too.

## Participants

Julia Hargreaves, Gavin Schmidt, Kevin Anchukaitis

## P2F activity

Gavin agreed that it would be nice to write down what we think each interval in the past that we model might be able to tell us about future climate. In fact he seemed to offer to put up a skeleton outline, based on a paper he wrote a while back! This will go on the "What We Know" page.

## PAGES, Goa, 2013

### Place, date, etc...

Goa, India, 13-16 February, 2013

<http://www.pages-osm.org/>

## Goals

- drink some tea (or whatever)
- exchange ideas about what the working group might get up to in the future

## Expected Participants

Pascale Braconnot, Eric Wolff, Anders Carlson, Andre Berger, Quizhen Yin, Andrew Schurer

## P2F activity

A lunchtime meeting was held in the sun. Some things were discussed. The minutes are [here](#).

## EGU, Vienna, 2013

### Place, date, etc...

Vienna, Austria, 7-12 April 2013

CL4.4

Using paleoclimate modelling and data to learn about the future Conveners: Julia C. Hargreaves, Michel Crucifix, Gavin A. Schmidt

<http://meetingorganizer.copernicus.org/EGU2013/session/12287>

## Expected Participants

Julia Hargreaves, Masa Kageyama, Jean-Yves Peterschmitt

## P2F activity

A half hour meeting with about 20 attendees was held in Y9 on Monday lunchtime. [Minutes of the meeting](#)

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