

# Past2Future: insights from a constantly varying past workshop

**University College London (13-17th May 2019)**

*A small workshop organised on behalf of PMIP4, which we've imaginatively decided to also call "Past2Future: insights from a constantly varying past". It will be focused on analysing the PMIP4/CMIP6 simulations and providing some preliminary multi-model, multi-period results on IPCC timescales. It will be Hosted in London with Chris Brierley as the local organiser.*

## Background

PMIP4/CMIP6 is using the same models to simulate several past climates, as well as the future. This gives us the possibility of using the past climate responses to provide quantitative insights into the projections: either through exploration and testing of the mechanisms, or as observational constraints. With the availability of the new iteration of past and future simulations, there is a need to focus on the application and expansion of these methods.

## Objectives

- Accelerate efforts to perform multi-model, multi-period research on CMIP6/PMIP4
- Update PMIP3 analyses
- Provide a collaborative space for writing timely outputs (esp. given upcoming IPCC deadlines)

## Outline of Workshop

### Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
9 am		Logistics for analyses	Group work	Group analyses	Overall thoughts
10 am	Welcome	Potential issues	Devise initial tests	Group analyses	Discussion
	Coffee	Coffee	Coffee	Coffee	Coffee
11 am	Wider context	Poster Session	Tackle proof of concept analysis	Finish off analyses	Future actions
	Lunch	Lunch	Lunch	Lunch	Lunch
2 pm	Assets and tools	Sharing of ideas for potential analyses	Time off	Creation of group presentations	Say goodbyes
	Coffee	Coffee	Time off	Coffee	
3:30-5:30 pm	Possible research topics	Coalesce into groups for targeted analyses	Time off	Presentations of initial results	

## Sessions with presentations

### Wider Context

- PMIP4 and its current status
- IPCC AR6, and other palaeoclimate initiatives (Darrell Kaufman)

### Assets and tools

- Available data (Sandy Harrison)
- Statistical approaches (James Annan)
- Long transient runs (Pascale Braconnot)

### Possible research topics

- Climate Sensitivity (Jules Hargreaves)
- Monsoons (Pedro Dias)
- Variability (Kira Rehfeld)
- AMOC (David Thornalley)
- ENSO (?)

### Logistics of analyses

- Outstanding methodological issues (e.g. seasonality)
- Introduction to UCL cluster
- porting of non-CMIP6/CMORized data onto it

## Logistics

### Workshop dates/time

10am Monday 13th May 2019 - 2pm Friday 17th May 2019

### Accommodation

London has a silly quantity of hotels. The [Wesley hotel](#) is probably the one which is the shortest walk from the workshop venue. There are several budget hotels as part of the [Imperial Group](#) that are in Bloomsbury (but please do check their reviews) and some hostels nearby. The public transport system in London is pretty effective, and you will find cheaper accommodation slightly further out (say through AirBnB). London travel is cheapest through an “Oyster Card”, which you can buy in advance from [this link](#). You probably want to stay in Zones 1-2: the closest tube stops to UCL are Warren St and Euston Square.

## Costs

There is no registration fee and lunches during the workshop will be provided. Travel and accommodation to London is expensive enough. There will be a workshop dinner on the Tuesday evening in a nearby curry house, whilst you will need for pay this yourself it'll be fairly cheap.

## Abstract/Proposal submission

This is a small workshop, with at most 30 attendees, so we would like you to apply to attend. The workshop will have poster presentations combined with group-working. This application will therefore have two parts to it (a) an abstract of the research you'd like to present on your poster and (b) a couple of sentences about the questions you'd like to address during an initial analysis of the PMIP4 ensemble. These abstracts and proposals should be submitted by 1st February via an email to [Chris Brierley](#).

## Queries

Please email [Chris Brierley](#) for further details

## Probable Attendees

	Institution	Country
<a href="#">Chris Brierley</a>	University College London	UK
<b>Jules Hargreaves</b>	BlueSkiesResearch	Yorkshire
<b>Pascale Braconnot</b>	LSCE	France
<b>Sandy Harrison</b>	Reading	UK
<b>Pearse Buchanan</b>	Liverpool	UK
<b>Julien Cretat</b>	LSCE	FR
<b>Nav Sagoo</b>	Stockholm	SE
<b>Martin Renoult</b>	Stockholm	SE
<b>Xiaoxu Shi</b>	AWI	DE
<b>James Annan</b>	BlueSkiesResearch	Yorkshire
<b>Juan Lora</b>	Yale	US
<b>Johann Jungclaus</b>	MPI	DE
<b>Darrell Kaufman</b>	N. Arizona Uni.	US
<b>Roberta D'Agostina</b>	MPI	DE
<b>Kira Rehfeld</b>	Heidelberg	DE
<b>Charlie Williams</b>	Reading	UK
<b>Raphael Hebert</b>	AWI	DE
<b>Pedro Dias</b>	Sao Paulo	BR
<b>Bruno Turcq</b>	IRD	FR
<b>Marcus Lofverstrom</b>	U. Arizona	US

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