

Meeting Minutes

Climate Dynamics Panel



Date: 2024-08-19 **Start date:** 9 pm China ST (UTC+8)

Venue: GoTo Meeting **ICPO Staff Host** Agus Santoso

Attendees (10)

Sarah Kang, Michael Byrne, Satyaban Ratna, Robert Jnglin Wills, Rhys Parfitt, Matt England, Lei Zhang, Martin Singh, Mary-Jane Bobape, Agus Santoso.

Apologies: Natalie Burls, Bolan Gan, Yoshi Sasaki, Fred Kucharski, Amanda Maycock.

Co-Chairs: Sarah Kang, Michael Byrne.

Agenda

1. Upcoming Tropics Workshop in September.
2. 2025 Annual Workshop in Australia.
3. Membership.

Minutes

Tropics Workshop

17-19 September.

35 participants.

Funding to support attendance of Andrew Williams and Antonietta Capotondi.

The aim is to coordinate modeling activity, and to formulate another workshop in 2-3 years for a review paper.

2025 annual workshop in Australia

(Update was delayed due to Martin's internet connection - away in Cape Verde).

[https://home.climateextremes.org.au/weather-climate-interactions-observations-theory-and-modelling24-27 February 2025](https://home.climateextremes.org.au/weather-climate-interactions-observations-theory-and-modelling24-27%20February%202025).

Needs to be advertised more widely, especially in Australia (considering carbon footprint), abstract submission deadline.

Still awaiting response from US CLIVAR regarding funding. ICPO and SSG co-chairs have just heard back regarding WCRP budget allocation. The outcome will be communicated soon after the budget allocation is discussed with the SSG. The allocation would be used for this 2025 CDP annual workshop. All panel meetings will be held sometime in September-October at the Pan-CLIVAR meeting. Rhys is also trying to get funding elsewhere. Potential panel attendees: Mike Byrne, Rhys, Martin, Matt, Sarah, Satyaban etc.

Current consideration is onsite only, with live streaming possible.

AGU-2024 Conference

CDP session: Aixue Hu has been convening multidecadal variability sessions, but from next year Lei Zhang will convene. Possible attendees: Matt England.



This could be an opportunity for an in-person meeting if there is sufficient number of members attending.

Membership

Membership of Nathalie, Martin, Fred will expire at the end of 2024, but can be extended for 2 more years. Rotating off (reached maximum term): Sarah, Rhys, Bolan.

Consideration: gender, geographical distribution, expertise.

From Open Call, there are already 6 nominations as of today:

- Bhupendra Bahadur Singh
- Lu Dong
- Hamza Varikoden
- Tiffany Shaw
- Pradeep Nair
- Pratik Kad (early submission)

Suggestion from Robb: For US affiliation could consider Pedro DiNezio (U. Colorado, works with South America, large-scale coupled dynamics, ENSO).

To be discussed further at the next meeting.

2026 Annual Workshop

For context, the 1st workshop was purely online focusing on internal vs external variability, 2nd was in person in Trieste (Atlantic multidecadal variability led by Aixue with a review paper to be submitted), 3rd led by Marty on weather and climate interactions (role of small-scale processes on climate and extremes).

Ideas for themes:

- Coupled ocean, sea ice, atmosphere system in a changing climate, e.g., what ice retreat means for air-sea interactions (Matt).
- Tipping points, e.g., many scientists in Europe are looking at theoretical atmospheric/system dynamics (Juliette Mignot).

Matt: Antarctic sea ice variability looks like exhibiting tipping point behavior, e.g., increased variance

Juliette: Could be in the context of decadal variability, which can encompass various aspects such as Monsoons, AMOC.

Venue

Robb: Consider new venues such as in North America or Asia, Atmosphere Ocean Fluid Dynamics meeting every two years to link up with (move around in interesting locations west/east coasts).

Sarah: need a host if standalone workshop.

Matt: AMS meeting as possible conference to link up with, but total duration of 2 weeks could be an issue.



Lei Zhang is willing to potentially host a CDP workshop in China, considering visa relaxation for many countries. Agreed with the topics discussed earlier.

Sarah: tipping points topic is too broad, perhaps focussing on polar regions. Matt: could focus on coupled ocean-atmosphere tipping points.

Mike: Workshop on tipping points in Exeter but was very broad (inc. economy). Juliette: Should focus only on the physical aspect of the tipping points.

Organizing committee to be formed via email.

Lei: Could be based in Guangzhou, or elsewhere (March/April to avoid CNY period). Chunzai Wang (department director would be supportive; he's a CLIVAR member in TBI RF)

Scale of 100-150 participants is OK.

Actions:

Lei to explore 2026 workshop venue .

Agus will send an email to the panel regarding membership.

Sarah to initiate next meeting for October/November (might be the last panel meeting of the year - try your best to attend) to discuss new members, more detailed discussion on 2026 workshop, Marty to give further update on Australian workshop.

End of Meeting