

Meeting Minutes

Tropical Basin Interactions Research Focus



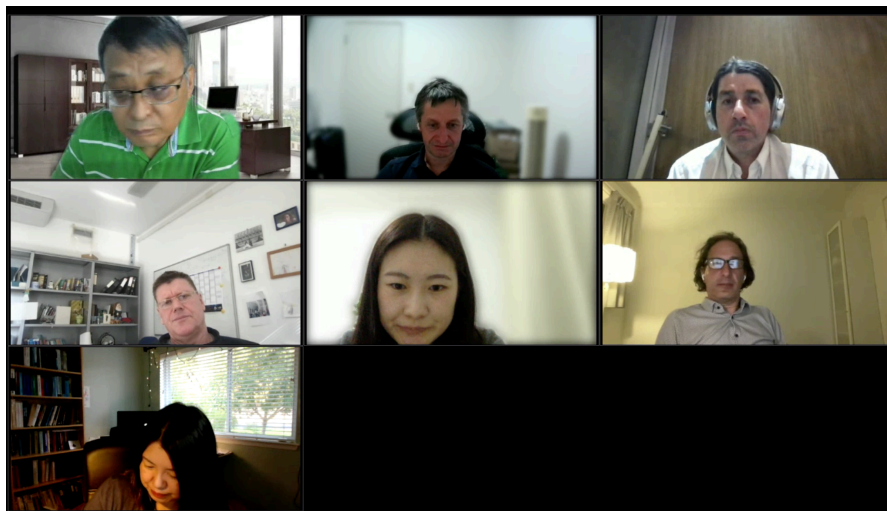
Date: 2024-10-15 **Start date:** 9 pm China ST (UTC+8)
Venue: GoTo Meeting **ICPO Staff Host** Di Zhang

Attendees (8)

Ingo Richter, Chunzai Wang, Dietmar Dommenges, Fred Kucharski, Noel Keenlyside, Yuko Okumura, Di Zhang (ICPO), Agus Santoso (ICPO).

Apologies: Belen Rodriguez-Fonseca, Malte Stuecker, Ping Chang, Fan Jia, Steffen Hetzinger, Xichen Li, Michael Mcphaden, Miriam Pfeiffer, Regina Rodrigues, Andrea Taschetto, Hiroki Tokinaga, Roxy Mathew Koll.

Co-Chairs: Ingo Richter, Yuko Okumura.



Agenda:

1. Progress of coordinated experiments, status of TBIMIP paper.
2. Plan for an online workshop for TBIMIP.
3. Schedule for webinars.
4. Report from the paleo meeting in Bremen (Noel).
5. Updates from the Working Groups.

1. Progress of CoEx, TBIMIP paper

The paper has been submitted to Geophys. Mod. Dev., 14 authors, still open for co-authorships (let Ingo know). Manuscript has passed the initial quality check. There is a small error in the plot of the basin mask pointed out by Guillaume Gastineau. The plot is not consistent with the basin mask for the Pacific-Indian Ocean boundary.



CoEx status:

Model	Center	Type of experiment	Status
CESM2	US NSF NCAR	pmaker hindcast	completed
CESM2	US NSF NCAR	standard pmaker	ongoing
CESM2	SCSIO, China	Tier 2 expmnts	ongoing
NorCPM	U. of Bergen	hindcast+standard	completed
SINTEX-F2	JAMSTEC	pmaker hindcast	ongoing
MIROC6	JAMSTEC, University Tokyo/NIES	of hindcast+standard	ongoing
ACCESS-CM2	CSIRO, Australia	standard pmaker	in preparation
ACCESS-CM2	CSIRO, Australia	Tier 3 expmnts	completed
IPSL-CM6A-LR	IPSL, France	standard pmaker	in preparation
KCM	GEOMAR, Germany PNU, Korea	standard pmaker	in preparation

Some models have completed Tier 1 experiments (Norwegian group, Steve Yeager).

Hoping to have a few more models to contribute.

Need to have the preprint to contribute to ESGF. Need to find a data node to host the data. Contacted Paul Durack two years ago and recently to update the latest status of TBIMIP, share experiment design with Paul and he gave some comments, e.g., on nomenclature on experiment names (need to be separated by hyphens not underscore). Suggested to post data on a node based in Japan, contacted Yoichi Ishikawa who's in charge of the node who said that upload probably not possible until next fiscal year (April 2025).

At the Korean workshop, there was a discussion on the timeline: would finish experiments by the end of this calendar year, do the analysis next spring, and open up the data following there. It would be preferable to have the data on ESGF for analysis, or upload a subset on a server to facilitate analysis.

Ingo will contact Paul again to inquire further.

Could consider NCAR node. 80-100 TB for the experiments according to Steve? Website to register TBIMIP.

Paper: predetermine a specific topic (e.g., Pacific-Atlantic interaction), or explore the data and see what comes out from there. Split the pacemaker hindcast experiments and standard pacemaker experiments. Meetings are required to discuss this. Possibly aim to submit the paper after next summer.

2. Online workshop for TBIMIP

Previously discussed the possibility of having an online workshop for CoEx. Original plan was to hold the workshop in September 2024, but it didn't happen. May hold a small workshop/meeting this year (e.g., November). Groups can present summary from their analysis.



3. TBI Webinar

A series of online presentations on TBI topics, could be extended to a wider audience. Potential speakers: Miriam, Dietmar, Sang-Wook Yeh. Could try to organise a seminar in November.

Noel was in a meeting in Bremen, a big program on corals from various countries (Brazil, Indonesia, Philippines, etc). Noel met a Natan Silva Pereira from Brazil who works on corals (100-years long) from equatorial Atlantic; he showed some interesting results for a proxy for salinity; he may be interested in collaborating on seeing if it could be a potential proxy for Atlantic Nino. Talked to Miriam, Thomas Felis (current chair of the program). They are keen to be involved in a webinar. November could be too soon. Action: Noel to ask if they are OK with a wider audience.

4. Working group updates

WG2: not much update, but will follow up next year with a presentation from Dietmar on idealised experiments. Ingo to update on linear inverse model. Noel mentioned a Nature paper that Malte presented in Seoul. Could invite them to give a presentation. Attendees discussing interactions among authors of papers – disagreement on feedback between Atlantic Nino and Pacific Nino (cross-correlation) in GRL; methodology issue not sufficient to make a point that there is no feedback. Ingo to follow up on constructive discussion with the authors. Dietmar shared his experience with correspondence in J. Climate which had swift comments and replies; citation issues.

No update from WG3.

WG4 on paleo: Yuko echoes Noel's update at the Bremen meeting and recommends to get perspective from Miriam at the webinar.

Ingo is organising a small workshop in southern Japan (Kyushu) in December after the AGU meeting. Ingo's grant to investigate Pacific-Atlantic interaction using LIM. Hybrid meeting; all welcome to join in person or online. Monday afternoon-Tuesday morning.

End of Meeting