

CLIVAR TBI RF. Teleconference October 2021

The CLIVAR Research Focus on Tropical Basin Interaction held a teleconference on 12th October 2021. Chaired by Ingo Richter and Yuko Okumura and with the participation of Chunzai Wang, Belen Rodriguez-Fonseca, Xichen Li, Noel Keenlyside, Regina Rodriguez, Andrea Taschetto, Roxy Koll, Dietmar Dommenges and Jose Santos from the ICPO.

The agenda of the meeting was:

- 1) Introducing our new member, Dietmar.
- 2) TBI Working Groups
- 3) Update on coordinated GCM experiments
- 4) Annual report: what have we achieved already and what can we still achieve this year?
- 5) Update on AGU TBI session

Main points of the teleconference discussed were:

- Dietmar Dommenges (Monash University) has joined our Research Focus. He will be leading the Working Group 2 on conceptual and intermediate complexity models. Since he is also a member of the working group on conceptual models of ENSO which is part of the Pacific Region Panel, he should be in a good position to lead WG2.
- TBI Working Groups: The WGs are gradually taking form. WG2 will probably invite 2-3 additional members. WG4 on paleo proxies (led by Yuko) has invited 3 new members. So far Jud Partin and Julian Emile-Geay have agreed to join. WG3 on observations was missing a coordinator. Belen kindly offered to lead this WG and Ingo has tentatively put her name in the google doc. The caveat being that Ingo is still thinking whether we can find a candidate outside the RF with good connections to observational programs.
- We should move fast in finalizing the membership of the WGs. Once that is accomplished, Jose will prepare mailing lists for each WG, and incorporate all the information in the TBI webpage.
- The link to the list of members can be found here:
<https://docs.google.com/document/d/1H8hWJoNre7iTXKcqcl805xvSKvsMATibBWA6JkqAYK4/edit?usp=sharing>
- Please note that not all potential members have been contacted yet, so please keep this confidential.
- Coordinated GCM experiments: It was agreed that this should have high priority and that we should move along with it quickly. Ingo will write an email to participating groups this week. Dietmar pointed out that the outcome from the coordinated experiments would

provide valuable input to WG2. It is expected that these experiments could be started sometime next year. Dietmar pointed out that to begin this activity two issues should be addressed: forcing fields and delivery date for model output.

- Xichen offered to ask Chinese colleagues whether a Chinese model could participate in the coordinated experiments. He could also contribute experiments with CESM2 if there is a need.
- Annual report to the SSG: The report is due by the end of November. Achievements include the Special Issue in CLIVAR Exchanges, the TBI session at the AGU, and the establishment of the WGs. Jose suggested that each WG should meet before the end of November, so we have some results to report on. We should start preparing the report in early November. This can probably be done through a shared google doc.
- Regarding the funds from WCRP that the TBI RF was assigned for this year (5000 CHF), the group decided to not use it this year, and request that it is used next year, when hopefully a face-to-face meeting of the group is feasible.
- AGU session on TBI: We received a healthy number of abstracts and were given two oral blocks and one poster session. The proportion of on-site participants is still very uncertain.
- Noel mentioned that he may be able to organize a TBI Workshop in Norway during late 2022. He also mentioned an international project led by the Bjerknes Centre that aims to develop a paleo reanalysis product. This is closely linked to the interests of WG4.
- Smaller meetings of the WGs are strongly encouraged. As Ingo mentioned before, we hope that the WGs can act semi-independently in setting their own goals and working toward them.
- The next TBI telecon will be tentatively organized in early December.

