

## Tropical Basins Interbasin Interaction Research Foci (TBI RF) Telecon

**Time:** 23:00 – 24:00 GMT, 11 May 2023

**Participants:** Ingo Richter, Yuko Okumura, Chunzai Wang, Ping Chang, Greg Foltz, Jing Li (ICPO)

### 1. Reports from the WGs

#### WG1: Coordinated GCM experiments

- Session at Melbourne workshop on experiment design
- Progress in converging on design
- Telecon next week to finalize the experiment design
- Need to publish a paper on experiment design in a journal (perhaps GMD).
- Output to be included in CMIP6Plus or CMIP7

#### WG2: Conceptual and Intermediate Complexity Models and Statistical Approaches

- Topic discussed at Melbourne workshop: make conceptual models available through online repository hosted by CLIVAR: Linear inverse model (LIM) for interbasin study developed by Shoichiro Kido (JAMSTEC) and recharge oscillator ENSO coupled to statistical Indian Ocean and Atlantic Ocean developed by Takeshi Izumo (IRD)
- Ingo will follow up with WG2

#### WG3: Observations

- Good inputs from meeting in Australia meeting – e.g., importance of satellite observations of atmospheric variables
- Recommendations for observing system for TBI is the current focus of WG3. Some of the recommendations are:
  - Importance of satellite data
  - Ocean boundary measurement (would be better to check with Greg: I think he mentioned Indonesian Throughflow etc.)
  - Identify datasets suitable for analyzing multidecadal variability
- No meeting in the past months. Plan to organize in a month or two.
- Plan to have a brief synthesis of three basin review report – to publish in *CLIVAR Exchanges* or other journals (e.g., contribution of datasets to support TBI research)

#### WG4: Paleo data

- The paleoclimate section of the Climate Data Guide (<https://climatedataguide.ucar.edu/>) is now under construction. WG4 has provided a list of major paleoclimate datasets/topics and associated experts.
- Yuko will lecture on paleoclimate at TBI /CDP summer school. She will seek inputs from the WG4.

### 2. Plan for the year

- **Session proposal for OSM 2023**
  - Session Deadline: 24 May 2023 23:59 EDT/03:59 +1 GMT.  
<https://agu.confex.com/agu/OSM24/prelim.cgi/Home/0>

- Noel supports the idea. Need to have at least one onsite convenor from TBI RF. Greg will chair another session, Chunzai hopes he could go but not being the leading convenor for the TBI session. Yuko could also go if needed. Ingo will go to either AGU or OSM but not both. Ping supportive if we can have talks on TBI Coordinated Experiments. Need to check if we members of the CoEx group are interested.
- Ingo will modify the draft proposal from our last AGU session and circulate it to the TBI RF for comments.
- Update for the summer school and workshop:
  - Deadline of application was extended to May 8. 167 applications received. Gone through applications. 30 students + lecturers and invited speakers for the workshop. Finalize\_the list of invitees by next week.
  - Agenda is yet to be finalized.
  - May have a separate registration page for the workshop to allow more abstract submission. – need to discuss with the organizing committee.

### **3. Any other plans for the TBI RF.**

- To write some review paper for the TBI RF toward the end of the project.
  - E.g., a paper after the summer school/workshop. But participation by RF TBI members to the summer school/workshop may not be high enough.
  - Paper should be in addition to the one on design of coordinated experiments.
  - A number of reviews or book chapters for TBI may also be good.
- TBI RF is supposed to be sunset by the end of 2024, but may request for an extension since it started at the beginning of the pandemic (Feb. 2020). – need to check with the SSG co-chairs.