<p style="text-align:center">Minutes of the TBI WG 4: Paleo Data
16th November 2021</p>

Attendance: Yuko Okumura (University of Texas at Austin, USA), Julien Emile-Geay (University of Southern California, USA), Jud Partin (University of Texas at Austin, USA), Lea Svendsen (University of Bergen, Norway), Jose Santos (ICPO).
Excuse: Miriam Pfeiffer (University of Kiel, Germany)

After the Working Group on Paleo Data (WG4) was approved by the CLIVAR Tropical Basins Interaction (TBI) Research Foci, the first meeting was conveyed by Yuko (the lead for the WG4), and was held online on 16th November 2021.

Yuko started doing an introduction of the TBI RF, its goal and recent activities; emphasizing the point that the objective of this WG4 is not to carry on science but rather stimulating research activities in the community, so it welcomes the group to brainstorm how to do this.

This was followed by self-introductions from the WG4 members

- Yuko: Is a climate scientist specializing in tropical air-sea interaction, research focuses on understanding the mechanisms of climate variability.

- Jud: Focus on the proxy side, cave formations, recently on the coral side, interest on shorter scales (interannual to decadal) but this is a great challenge.

- Julien: Dynamics perspective, paleo ENSO proxies, recently broader interest: paleoclimate record to constraint climate models, developing proxy system models, and model data fusion over the past millennia.

- Lea: Interannual to multidecadal variability and teleconnections, Atlantic-Pacific linkage, mostly with models but also with proxy data, recently working on a team on paleo ocean reanalysis.

- Jose: is the Director of the ICPO, and will provide the logistical support that this group needs.

Then Yuko presented a Summary of the CLIVAR TBI workshop, including:
- Science questions that may be addressed with paleo data
- Key gaps and challenges
- Recommended actions

On recommended actions Yuko has some ideas to
- Raise awareness of availability of paleo data
- Curate centralized information resources

Jud: How do recommendations made by this group filter out with the broader community in the different regions. Specially how do they filter down to the different funding organizations?

Jose: CLIVAR cannot enforce any actions, but our recommendations are disseminated to all our partners organizations and reach the scientific community.

Julien: International coordination activities have some soft power, through writing papers (white papers) that program managers look, it is a slow trickle but needs to be done.

Yuko: It is important to do grassroots work on reaching the community.

Create paleoclimate section on Climate Data Guide?

- Currently there is one entry on paleo data
- Include more information on types of proxies and various types of paleoclimate data products

Julien: Support putting more information, like paleo reanalysis, need to be careful in not reinventing the wheel, NOAA has basic information on individual types of proxies, so no need to do this.

Jud: There needs to be something more centralized for data that people can first go to, and then go to more specific sites like the NOAA site, PAGES, PANGEA, include higher level data products like reanalysis. No need to centralize data access, just redirect people to where they need to go.

Lea: Valuable to have a person who has experience working on this kind of data.

Julien: Most important issue is collaboration, rather than another webpage. Main point contact to somebody who has experience. To have a common entry point, more important than adding more climate information on a page like Climate guide.

Maybe it is not necessary to have a single entry point but it is beneficial to have something that explains the pros and con of multiple paleo reanalysis products. Improving communication is the main issue.

Lea: It would also be very useful for early career scientist.

Yuko will discuss the idea with the organizers of Climate Data Guide. She will also create a google folder for storing all the documents related to the WG4 activities.