

## Paleolink kickoff meeting: main points discussed

On 9th April, a kickoff meeting was held at EGU 2018. The number of participants was about 20 people (the room allocated for the meeting was full). It lasted for about 45 minutes, as there existed a strong overlap with on-going EGU activities, prominently an Early Career Scientist meeting and the posters of the Pages 2k session, which some of us had the obligation to attend.

For those of you that could not make it to come to the meeting, these are some of the main points discussed:

- There are a few RCM climate simulations available, and some additional ones are being planned or carried out
- Most simulations effort are based over Europe. Two periods are prominently represented: the last 2k and the LGM
- We should build a public and accessible database with some important variables of all the available simulations, producing a visible product that summarises the state-of-the-art in paleo RCM simulations
- It is not clear if and how the data can be made publicly available. Perhaps a more modest but feasible option is to attach to the database the contact person/group, which should be responsible of making the data available upon request
- We should ideally come up with a list of hot-and-general questions to be addressed within the frame of Paleolink. Some ideas were:
  - Which variables are necessary to be downscaled in order to provide sufficient added value to ESM-proxy comparison to justify the computational cost
  - Which time scale is required (daily for extremes, monthly, annual, or longer means)
  - Perhaps RCM simulations allow to narrow discrepancies between GCMs and reconstructions in terms of response to volcanic forcing
- There exist a clear bias toward modellers, at least in the attendants of the meeting (note that in the initial survey, 43% of participants claimed to have experience with proxy data)
- This has motivated one of the main conclusions of the meeting: it would be interesting to gather more expertise from the proxy community, and a very efficient way of doing so is through an early workshop
- There are two “products” that we expect to deliver as outcome of this project:
  - a public database with existing RCM simulations and accessibility details
  - At least a community paper settling general issues related to enhancements in proxy-model integration/comparison

Regarding the realization of a workshop, we have already submitted a proposal to Pages 2k to get funding for organizing such a workshop in Murcia (Spain) in early 2019. During the preparation of the proposal, some people in both the model and proxy communities have been contacted and have expressed interest in attending it. We will keep you informed about

the state of this issue. Ideas about topics to address and expressions of interest in the celebration of such meeting are always welcome.

Regarding the available simulations, within the next days we will distribute a “sheet” where we will ask you to provide metadata about existing simulations, so that we start building the database.

Best regards

The Paleolink organisers.