


Group 5:

 What are the concerns over a very uneven geographical representation of paleo-records and how do you feel those can be overcome?

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Identifying 'gaps'

- ❏ Not only spatially important but also temporally
- ❏ Not only the paleo record – instrumental records are incomplete
- ❏ Involves both the modelling community and paleo communities as well
- ❏ Oversampling in certain regions in the past
- ❏ Change the focus from heavily focussing on tree-ring proxies and try to incorporate more multi-proxy methods or search for new types of proxies
- ❏ Focus on times associated with 'abrupt' changes and not necessarily the longer time period leading up to this point

Communication

- ☒ Reporting the gaps in areas and relaying the importance of filling these gaps
- ☒ Need to communicate more *internationally*
- ☒ Sharing of knowledge:
- ☒ Having a wider variety of proxies used
 - ☒ Not necessarily so focused on one type of proxy
 - ☒ Multi and new proxy approaches??
- ☒ Facilitate collaborations between institutions and all levels of users (*i.e.* Academia/researchers/policy makers/etc.)
 - ☒ *Tell us what you want!!*
- ☒ Increase community involvement – instrumental data
 - ☒ Community provides ideas/issues – modellers use the mechanisms/methods – validation/presentation

Funding

- ☒ Communication with funding agencies
- ☒ Relaying importance of paleo-studies and the need for filling the gaps
- ☒ “selling the product”
 - ☒ The ideas need to be ‘bought’ in order to be supported
- ☒ Try to provide funding for areas that are as of yet, left ‘unsampled’ (locally, nationally, internationally)

Role of modeling



Focus areas for modellers:



More input from modellers and the like, for input as to which areas are deemed as 'gaps' and which areas to provide 'more data' for better representation



Incorporating missing data mechanisms in climate field reconstructions