

Breakout Group Formation

Tuesday 7 March 2023 10:05 (25 minutes)

People go to the corner of their choice to make 4 groups, bit of discussion to figure out who stays where

1.) Breakout groups on climate modeling

1.A) Alternative climate modelling approaches, i.e. outside of the usual general circulation models, such as energy-balance and stochastic models

Lead: S. Lovejoy

1.B) Model 'detuning', i.e. to explore a wider parameter space in climate models with a focus on identifying parameters that would be linked to low-frequency variability.

Lead: P.Bakker, T.Laeppe

In both cases, we aim to achieve climate modelling in line with evidence derived from the palaeoclimate records, in particular with respect to variability at different timescales.

2) Breakout groups with the aim to produce global maps of climate-relevant variability at different time-scales

2.A) Using calibrated records (e.g. for surface temperature)

R.Hebert, A.Dolman

2.B) Using records that can't be directly calibrated to a physical climate parameter (such as XRF data)

C.Blanchet, F.Lambert

Content of the discussions will include the development of the research framework, as well as expected results and the associated hypotheses concerning the spatial structure, scaling and proxy dependency. Bringing experts together from different perspectives (theory, models and proxy) will allow to cover the full range of expectations and this will lead to a document accompanying the mapping project. The outcomes of this discussion will also directly feed into the TSM on centennial climate variability at regional scale in models and reconstructions.

Presenter: LAEPPE, Thomas

Session Classification: CVAS