



5. NECLIME workshop on Climate

February, 21-22, 2022

2nd circular

Dear friends and colleagues of NECLIME,

Thank you all for your registration for the upcoming workshop on climate. Like our NECLIME online conference last year, this workshop will be **held on zoom**. Log-in information is attached at the bottom to this circular; if you require technical instructions please contact the organizers.

We aim to meet for approximately **2 hours each day** depending on the discussion. The zoom room will open 15 minutes before the start of the meeting for technical and other questions. **Presentations should be around 10 min** and 5 min for initial questions and an additional 30 min open discussion on day 1 and 55 min discussion on day 2. Please try to keep in time with oral presentation, although the schedule remains open for changes. Prerecorded talks will be accepted but are not required.

The introduction on day 1 will cover an overview on the main methods discussed (CA; CREST; CRACLE, modern analogue) for everyone who is not yet familiar with them. Therefore, there is more time to focus on results as well as issues occurred in their scientific work in your contributions. Please keep in mind this is an open workshop, where presenting problems and discussing shortcomings of each method is especially welcome and will be one main part of the discussions. On the first day, we are going to have presentations focusing on comparisons of the results of several paleoclimate methods while on the second day we are going to discuss methodological questions regarding the used databases for distribution information, climate gridded data, statistics and the overall applicability through time and space. On the second day, there should also be time to talk about various useful R packages and scripts with the aim to provide support for those new to these methods and programs.



Preliminary schedule

We are going to meet at 3 pm European winter time on both days; please find your local time below:

US Eastern Standard	9.00 am
Brazilian Time BRT	11.00 am
UK Greenwich Mean	2.00 pm
Continental Europe CET	3.00 pm
Armenia AMT	6.00 pm
Kazakhstan ALMT	8.00 pm
India IST	8.30 pm

Monday, February, 21st, 2022

3.00 – 3.20 pm	Welcome and Introduction
3:20 – 3.35 pm	Thomas K. Akabane: CREST and CRACLE for the late Quaternary of Central America
3.35 – 3.50 pm	Tamara Fletscher: A Beaver Pond frozen in time: Multi-proxy analysis in the Pliocene High Arctic
3.50 – 4.00 pm	Break
4.00 – 4.15 pm	Martha Gibson: CREST and CRACLE for Middle Miocene temperature and precipitation reconstructions
4.15 – 4.30 pm	Andrea Kern: Comparison of Miocene climate estimates from Austria using the Coexistence Approach and Crest: first results
4.30 – 5.00 pm	Discussion

Tuesday, February, 22nd 2022

3.00 – 3.10 pm	Introduction and recap of day 1
3.10 – 3.25 pm	Angela A. Bruch: Determining climate requirements of plant taxa – a comparison of GBIF and Palaeoflora datasets
3.25 – 3.40 pm	Krister Smith: GBIF, R and CoordinateCleaner – pitfalls and



	opportunities
3.40 – 4.10 pm	Discussion
4.10 – 4.25	Break
4.25 – 4.35	Nils Weitzel: Accounting for changing CO ₂ concentrations in pollen-based climate reconstructions
4.35 – 5.00 pm	Final discussion

Right now, we do not intend to record this workshop to enable an open and casual discussion.

Please do not hesitate to contact the organizers for any questions or issues.

We are looking forward to meeting you in February!

Andrea K. Kern and Thomas Kenji Akabane