



NECLIME Online Conference 2022

November 21–25

1st Circular

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Dear colleagues,

We are pleased to invite you to the 2nd NECLIME online conference.

You may well be aware of the multiple challenges we are all facing these days making it difficult to plan events. Although we would have loved to meet in person this year, we see this online event as a good opportunity to stay in touch with all of you and to discuss our ongoing and future activities.

Based on our experience from last year with such a format, we plan the conference to be held during one week for 2-3 hours each day. This will keep screen time bearable and will give our colleagues from different time zones the opportunity to join. The meeting is preliminary scheduled for 9:00-12:00 Central European Time (CET), i.e. 08:00-11:00 in the UK, 17:00-20:00 in Japan and 18:00-21:00 in Vladivostok.

The conference will be held on zoom with a general discussion after each session and with the option to meet in a 'wonder room' afterwards for individual discussions.

Contributions should be short (10 min) and preferably prerecorded. This will also ease the screen time and help to keep enough time for discussions. Please **register before September 30** by using the registration form below. As always young scientists are warmly welcome. Please encourage your students and colleagues to contribute with presenting their current research.

The conference will be free of charge. We hope in that way we can offer participation to anyone who wants to stay in contact with NECLIME.

Scientific Topics

Scientifically, the conference is planned to focus on two topics – past biodiversity and extreme environments – as specified below. But of course any other NECLIME related contribution is appreciated and highly welcome to present the variety of NECLIME research.



Quantifying past plant biodiversity and vegetation history

Analyses of past biodiversity recently become more and more important especially in the light of anthropogenic threads on modern flora and vegetation. A deep understanding of the history and natural variability of plant biodiversity, based on actualistic approaches and reliable proxy data, will provide informed consent of how to mitigate those present and future challenges. We are looking forward to discussing new methods and approaches, new proxies, but also reconstructions of past vegetation in different climatic settings.

In the frame of this conference we would like to invite contributions that may deal with issues such as

- quantifying paleobiodiversity (diversity metrics, modern reference datasets, etc)
- quantitative biome reconstructions (new considerations on PFT approaches, biomization methods)
- ecological niche modelling in paleo-contexts
- reconstructing variations within fossil local/regional plant communities/formations

Reconstructing the extremes

Climate and vegetation reconstructions in tropical and arctic environments are challenging. Their methodological uncertainties in quantitative reconstructions cause problems especially in model simulations, and complicate projections of future scenarios. Besides high and low latitudes, other regions host vegetation under extreme conditions, such as high alpine zones or mangroves. Here, mainly the lack of deeper-time perspectives poses further risk to document vegetation dynamics and its drivers. At the same time, all these areas are essential for a systemic understanding of past global climate and palaeoecology. We therefore encourage contributions dealing with

- low and high latitude paleoenvironments and paleoclimate
- vegetation in extreme settings (extrazonal, mangroves, etc)

Open scientific topics of NECLIME related fields

As always, contributions on all topics related to NECLIME are warmly welcome.

Conference organization

The conference will take place fully online using NextCloud and Zoom. 1) NextCloud is a platform installed on a secure server hosted by ROCEEH onto which you can upload your presentations and view recorded talks. 2) Zoom is the communication platform with which we have chosen to conduct the conference. All participants will receive a Zoom invitation a few days before the conference and need to install a small software before the meeting. For open discussions after the daily sessions a ‘wonder room’ will be available similar as during the last event, provided on a closed and protected webpage online.

More technical details will be provided in a second circular for registered participants.



Registration – no fee!

You may participate for free via Zoom by returning this form or the required information by email to Angela Bruch abruch@senckenberg.de

Login information will be sent only to registered participants.

Surname: _____ First Name: _____

Email: _____

Affiliation/Institution: _____

I would like to give a presentation yes/no

with the preliminary title: _____

Abstracts will be due **October 15** but feel free to submit earlier :-)