5. NECLIME workshop on Climate

February, 21-22, 2022

1st circular

Dear friends and colleagues of NECLIME,

Hereby we want to invite you to the 5th NECLIME meeting of our working group on “climate”, which will be organized by Andrea Kern and Thomas Akabane in cooperation with Angela Bruch and Torsten Utescher. This workshop is going to be held **online on zoom on February, 21-22, 2022** and will be **free of charge**.

Already during the last annual NECLIME meeting in April 2021, new methods of plant-based climate reconstructions were presented in several contributions. These connect to one of the core topics of NECLIME on how to generate climate estimates using fossil plants and thus we want to continue and deepen this discussion focusing especially on

1. Comparison of plant-based tools using probability density functions such as CRACLE, CREST or others to classical approaches such as the Coexistence Approach, CLAMP and non-plant proxy data

2. Strategies on how to cope with challenges regarding the underlying datasets and statistics including georeferenced distribution data, database errors, sampling bias in global georeferenced plant data, statistics (kernel vs. Gaussian), pollen-percentages vs. presence-only approaches etc.

Each topic might be addressed on one day, starting with introductory talks followed by an online discussion. Overall, this workshop further aims to give basic suggestions for researchers new to such methods and to compile a list of useful R packages to run these methods for the first time.

Additional methods and topics are welcome.

We aim to keep screen time short (2 to max 3 hours per day) limiting contributions to 5-10 min and giving more time to the discussions. The workshop will take place during European afternoon time, on February 21-22, 2022.

If you are interested to join this workshop, please register by writing an email to Andrea Kern (annkkern@gmail.com) before **January 17, 2022**. Please include next to your name and affiliation also if you intend to give a presentation (no abstracts required). Young scientists and colleagues new to NECLIME are highly welcome.

We are looking forward to you

Andrea Kern, Thomas Akabane, Angela Bruch and Torsten Utescher