Professional Development Programme

Methods Course

An Introduction to working with PaleoDataView and the World Atlas of Foraminiferal Isotopes

Dr. Stefan Mulitza
MARUM – Center for Marine Environmental Sciences, University of Bremen

9 + 10 May 2023
09.00 – 13.00 hrs.

Objectives
This course will demonstrate general concepts and capabilities of the open-source software tool PaleoDataView (PDV) for the management and maintenance of larger paleoceanographic data sets (https://www.marum.de/en/Stefan-Mulitza/PaleoDataView.html).

Topics
- Installation
- Overview & PDV data model
- Querying data sets
- Importing and exporting data
- Adding and correcting meta data
- Stratigraphic tools
- Age modelling
- Producing and visualising time series ensembles

Course format
The course consists of overview presentations and guided software usage sessions, as well as hands-on exercise work suitable for beginners to more advanced PDV users.

Technical requirements

Participants will need a laptop (with **Windows 10 or 11**) with Excel. You can install the software before or during the course. You can find installer and user guide for PaleoDataView (Windows & macOS) here: https://www.marum.de/en/Stefan-Mulitza/PaleoDataView.html

Please note that PDV is available for Mac but has not been tested for the M1/M2 processors. If you want to use a Mac, please check prior to the course if PDV runs on your system.

If you need to borrow a Windows laptop from MARUM, please indicate this in the registration form.

Center for Marine Environmental Sciences

Bremen International Graduate School for Marine Sciences

Professional Development Programme

Venue

MARUM, University of Bremen, Leobener Str. 8, 28359 Bremen, Germany
MARUM I (main) building, room 2060

Registration

To register for this course, please visit the course web page:
https://www.marum.de/en/education-career/professional-development/2023/2023-05-09.html

Please note that your registration will be binding.

The registration deadline for this course is **27 April 2023**.

Any enquiries regarding this event can be addressed to early-career@marum.de.

Further reading

Technical description of PaleoDataView:
Langner, M. and Mulitza, S.: Technical note: PaleoDataView - a software toolbox for the collection, homogenization and visualization of marine proxy data, Clim. Past, 15, 2067–2072, https://doi.org/10.5194/cp-15-2067-2019, 2019.

World Atlas of Foraminiferal Isotopes:
Mulitza, S., Bickert, T., Bostock, H. C., Chiessi, C. M., Donner, B., Govin, A., Harada, N., Huang, E., Johnstone, H., Kuhnert, H., Langner, M., Lamy, F., Lembke-Jene, L., Lisiecki, L., Lynch-Stieglitz, J., Max, L., Mohtadi, M., Mollenhauer, G., Muglia, J., Nürnberg, D., Paul, A., Rühlemann, C., Repschläger, J., Saraswat, R., Schmittner, A., Sikes, E. L., Spielhagen, R. F., and Tiedemann, R.: World Atlas of late Quaternary Foraminiferal Oxygen and Carbon Isotope Ratios, Earth Syst. Sci. Data, 14, 2553–2611, https://doi.org/10.5194/essd-14-2553-2022, 2022.