

Specific Knowledge Course

Climate Time-Series Analysis in the Frequency Domain

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MARUM – Center for Marine Environmental Sciences, University of Bremen

9, 10 & 12 July 2019

Objective

An introduction to the basics of time-series analysis methods used in palaeoclimate research.

Topics

- Spectral analysis of single time series
- Statistical significance of spectral peaks
- Cross-spectral analysis
- Time-frequency analysis (incl. wavelet analysis)

Prerequisite

Exercises will employ MATLAB and basic knowledge on its usage will be assumed.

Participants who would like to bring their own laptops may do so but are responsible to make sure that the software (MATLAB) is running properly by the beginning of the course.

Please note that during the course, support can only be given for laptops provided by the MARUM ECR support.

Location and Time

MARUM, University of Bremen, Leobener Str. 8, 28359 Bremen, Germany
Room 2060

09 July	14.30 – 17.00 hrs.	MARUM I, room 2060
10 July	09.00 – 13.00 hrs.	MARUM I, room 2060
12 July	09.00 – 13.00 hrs.	MARUM I, room 2060

Registration

To register for this course, please visit the [course webpage](#).

Please note that your registration will be binding.

The registration deadline for this course is **2 July 2019**.

Any enquiries regarding the course should be addressed to early-career@marum.de.