
Early Career Researcher Support Programme

Basic Skills and Methods Course

Graphics in science – How to produce figures to deliver your message

Dr. Raphael Morard

MARUM – Center for Marine Environmental Sciences, University of Bremen

19 May, 2 June and 16 June 2022

09.00 – 11.00 hrs.

plus time to work on your figures in between

Objectives

Figures are at the crossroads of your scientific work. Beyond displaying your data, they are a means to articulate scientific reasoning and deliver your message. In a data driven era where the possibilities to plot data are almost endless, finding the best way to produce meaningful figures is challenging.

The course is based on the *learning by doing* approach and aims to help you find and develop your own style in figure making. Participants are asked to bring their own data to work on as part of this course.

The goal is to provide valuable tips on how to organise your work flow when creating your graphs and figures and some basic rules to mind.

The use of specific software is not particularly a part of this course. Participants can choose which software they prefer to use or that best fits their purpose.

Topics

- Why do we need figures?
- Different ways of visually presenting data
- Organisation and work flows
- Dos and Don'ts in visualisation

Methods

The course starts with an introduction by the lecturer on day 1. Participants will then work on their own graphs and figures which they will present in the following course days. Every participant will critically evaluate a figure of 2-3 of the other participants. That way, every participant will receive valuable positive feedback about the understandability and quality of their own figures.

Early Career Researcher Support Programme

Target group

PhD students who already have a set of data and are in the process of developing their graphs and figures from it.

(this course will be offered regularly at least once a year; those who don't have any data yet are encouraged to take the course at a later stage)

Location and Time

MARUM I (main) building, room 2070

Part 1	19 May 2022	09.00 – 11.00 hrs.
Part 2	2 June 2022	
Part 3	16 June 2022	

Registration

To register for this course, please visit the course web page:
<https://www.marum.de/en/education-career/2022-05-19.html>

Please note that your registration will be binding.

The registration deadline for this course is **12 May 2022**.

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