

MARUM / GLOMAR Specific Knowledge Course

Monsoon Dynamics Across Timescales

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MARUM – Center for Marine Environmental Sciences

13 April 2016, MARUM Bremen

Objectives

This course will give an introduction into global monsoon dynamics both on modern and geologic timescales. We will present some basic characteristics of monsoon circulation and how the different monsoon systems are affected by factors such as sea surface temperature, atmospheric teleconnections, and coupled ocean-atmosphere variability.

Observational and proxy evidence will be flanked by the presentation of weather and climate modelling results to illustrate the short- and long-term variability of monsoon dynamics.

Perspectives on the future evolution of the different monsoon systems and the anthropogenic impact will also be discussed.

Topics / Programme

09.00 – 10.30: General introduction (Mulitza)

11.00 – 12.30: Modern monsoon dynamics (Merkel)

13.30 – 15.00: Regional characters in forcing and response (Mohtadi)

15.30 – 17.00: Case studies of monsoon reconstruction and simulation (all)

Target group

Everyone who is interested in monsoon regions and (paleo) climate of the low latitudes.

Location and time

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

09.00 – 17.00 hrs.

Registration

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

Please note that your registration will be binding.

The registration deadline for this course is **5 April 2016**.

Any enquiries regarding the course should be addressed to glomar-courses@marum.de.