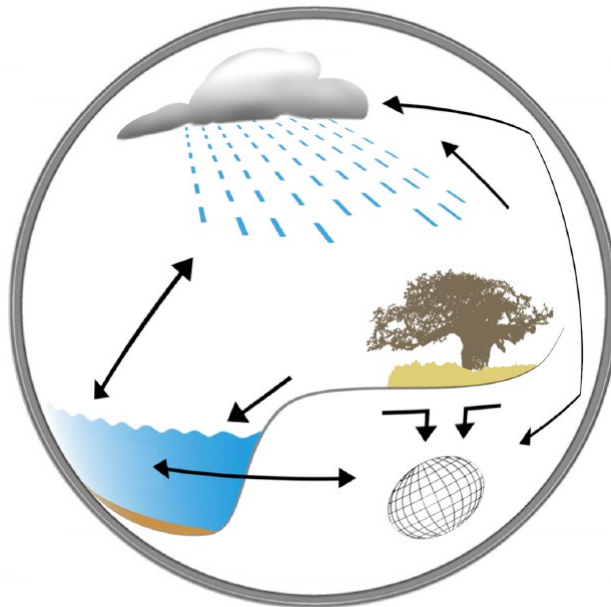


In the frame of the DFG research unit 'Understanding Cenozoic Climate Cooling' we announce the Summer School:

Climate Change on Tectonic Time-Scales: **Marrying Data and Earth System Models**

The programme is designed for PhD and Masters students interested in Earth System Science and Cenozoic Climate. The lectures are based on the foundations of different quantitative approaches to understand the climate system on tectonic time-scales, with a special emphasis on an integrated data – modelling approach. The lectures will be complemented by case studies of current research examples. Limited funds for travel support are available.



Steering committee: Prof. Gerrit Lohmann (Alfred Wegener Institute, Bremerhaven)
Dr. Torsten Bickert (MARUM University, Bremen)
Dr. Gregor Knorr (Alfred Wegener Institute, Bremerhaven)

Date: 22- 23 June 2010

Location: Room 2070, MARUM, University Bremen, Leobener Str. Haus 2, 28359 Bremen Germany

Registration deadline: 07/06/2010 (gregor.knorr@awi.de)

Further information at <http://www.cenozoic-climate-cooling.org/>

Programme

Tuesday 22/06/2010

- 11:00 – 11:30 Steering committee: Welcome
- 11:30 – 13:00 Peter Koehler (AWI Bremerhaven): 'CO₂ Reconstructions & Processes During the Last 65 My'
- 13:00 – 13:45 Lunch
- 13:45 – 15:15 Martin Butzin & Torsten Bickert (Marum Bremen):
'Understanding Cenozoic Carbon Isotope Records'
- 15:15 – 15:30 Coffee Break & Discussion
- 15:30 – 17:00 Martin Werner & Gregor Knorr (AWI Bremerhaven):
'Stable Water Isotopes – A Useful Tool for Paleoclimate Modeling Studies'

End of the first Day.

Wednesday 23/06/2010

- 9:30 – 11:00 Lydie Dupont (MARUM, University Bremen):
'Reconstruction of Terrestrial Vegetation and Climate by Organic Proxies: Pollen and Lipids'
- 11:00 – 12:30 Torsten Utescher (Steinmann Institut, University Bonn):
'Quantitative Methods for Palaeoclimate Reconstructions of the Miocene Climate'
- 12:30 – 13:15 Lunch
- 13:15 – 14:45 Louis Francois (University of Liege):
'Vegetation in a Warm Miocene Climate: A Modelling Approach'
- 14:45 – 15:00 Coffee Break & discussion
- 15:00 – 16:15 Mario Krapp & Johann Jungclaus (Max-Plank Institute Hamburg):
'Set-up of a Complex Earth System Modell using Middle Miocene Boundary Conditions: A Climate Modelling Challenge'
- 16:15 – 17:30 Martin Schultz (IGC Juelich):
'Methane Modelling: Present and Past'
- 17:30 – 18:00 Panel Discussion & End of the Summerschool