

**Programm Workshop 26./27. März 2009 im MARUM, Leobener Str., 28359 Bremen,
Seminarraum 2070**

26. März 2009

11:00 Uhr Eröffnung

11:00 - 12:00 Vorstellung der 3 Cluster (je 20 Min.)

- Claußen, Martin: Vorstellung CliSAP
- Wefer, Gerold: Vorstellung MARUM
- Söding, Emanuel: Vorstellung „The Future Ocean“

12:00 - 15:00 Mittag und Postersession

15:00 - 16:40 vier Vorträge

- Jungclaus, Johann: The climate of the last Millennium simulated with a comprehensive Earth System Model
- Mikolajewicz, Uwe: Simulating the climate of the Last Glacial Maximum
- Timmreck, Claudia: The climate effect of very large volcanic eruptions: An Earth System model approach
- Schulz, Michael: Paleoperspectives in Ocean and Climate Interactions

16:40 - 17:00 Pause

17:00 - 18:00 Vorstellung der Ausbildungskonzepte (Doktorandenausbildung)

- Hebbeln, Dierk: Graduate Education, GLOMAR
- Stammer, Detlef: Ausbildungskonzepte SICSS CliSAP, Hamburg
- Antia, Avan: The Integrated School of Ocean Sciences (ISOS)

27. März 2009

09:00 - 10:40 fünf Vorträge

- Emeis, Kay: The pristine North Sea: Reconstructions from sediments and models
- Kutzbach, Lars: Water and carbon dynamics of northern peatlands and their response to climate and land use change
- Huhn, Katrin: Sediment Dynamics along Continental Margins

- Winkelmann, Daniel: Submarine mass wasting on a global perspective
- Schneider, Birgit: Paleo-Climate Simulations with the Kiel Climate Model (KCM)

10:40 - 11:00 Kaffeepause

11:00 - 13:00 fünf Vorträge und Schlussbemerkungen

- Hinrichs, Kai: Geosphere-Biosphere Interactions in the Marine Realm
- Krüger, Kirstin: Climate effects of paleo Central and South American major volcanic eruptions using petrologic reconstructions and climate models
- Schrottke, Kerstin: Coasts at Risk
- Rüpke, Lars: Seafloor Resources and Underwater Technology
- Meinecke, Gerrit: Underwater Technology

Poster aus Hamburg:

Lorenz et al.: Uncertainties in the Climate Forcing of a Large Volcanic Eruption: An Earth System Model Study of the Unknown 1258 AD Eruption

Segschneider et al.: Impact of large-magnitude volcanic eruptions on ocean fertilization and the global CO₂ budget: observation-driven model simulations

Chlond et al.: Modelling of Northern Hemisphere Ice Sheets

Gluschak et al.: Simulating the climate of the mid and early Holocene

Langmann et al.: Natural ocean iron-fertilisation by volcanic ash released from Kasatochi volcano in August 2008

Milker et al.: Sea-level reconstruction based on statistical assessment of benthic foraminifera associations (Holocene, Mediterranean Sea).

Betzler et al.: Mediterranean cool-water carbonates revisited: The late Pleistocene and Holocene neritic carbonates of the western Mediterranean Sea (Project CARBMED).

Kutzbach et al.: Identification of linear relationships from noisy data using errors-in-variables models - relevance for reconstruction of past climate from tree-ring (and other) proxy information

Raddatz et al.: Feedback study on mid-Holocene northern hemisphere climate

Raddatz et al.: Anthropogenic land cover change and carbon cycle feedback during the last millennium

Raddatz et al.: Little Ice Age and Carbon Cycle

Dilly et al.: Ausbildungskonzepte der CliSAP SICSS

Guglielmo et al.: The role of the Arabian Sea in the global nitrogen cycle

Fischer et al.: Climate trends in a transient simulation of Holocene climate in a comprehensive Earth System Model

Hartmann et al.: Controls on land-ocean carbon and silica fluxes

Poster aus Bremen:

G. Fischer et al., Particle flux and alteration of organic matter in the water column

M. Zabel et al., N/P/Fe Biogeochemistry in benthic boundary layer and surface sediments

K.-U. Hinrichs et al., Transformation of matter and the role of microbes in subsurface sediments

G. Bohrmann et al., Structure and Dynamics of Cold Seeps

A. Boetius et al., Linking benthic fluxes and ecology of the ocean floor

S. Kasten et al., Mineral authigenesis and organomineralization

W. Bach et al., From thermodynamic modeling to biota complexity
in vent and seep systems

M. Rhein et al., Seasonal to decadal climate variability from
oceanographic data, coral records and model simulations

S. Mulitza et al., Glacial to Holocene History of the Tropical Rainbelt

F. Lamy et al., Glacial to Holocene atmosphere-ocean interactions between high and low
latitudes

T. Bickert et al., Late Neogene evolution of the tropical rainbelt

A. Paul et al., Quantifying the Last Glacial Maximum ocean circulation by state estimation

T. Mörz et al., Formation and infill of buried Pleistocene tunnel-valleys in the North Sea

T. Hanebuth et al., External forcing and self-organization
in clastic shelf systems

R. Henrich et al., Slope architecture and evolution of sedimentary regimes

C. Winter et al., Dynamics of the fluid-bed interface

A. Kopf et al., Trigger and failure mechanisms of gravitational mass movements:
Neotectonics, sediment physics and fluid activity

Poster Kiel

L. Liu et al.: Physical and biogeochemical processes in marine sediments containing
dissociating gas hydrates

S. Krause et al.: Dissolution and formation of authigenic carbonates connected to microbial methanotrophy

C. Lemmen et al.: Mid-Holocene regional reorganization of climate variability

K. Wirtz et al.: Biogeochemie von Sedimenten: Sensitivity analysis of nitrogen and carbon cycling in marine sediments

O. Salau et al.: Saltmarsh evolution under accelerated sea-level rise

A. Ansanetti et al.: Acoustic investigations of a landward facing slope failure off Chile

S. Krastel et al.: Submarine Hazards at Continental Margins: Activities of Reserach Area B4

K. Schrottke et al.: ???

A. Vafeidis et al.: Saltmarsh evolution under accelerated sea-level rise

A. Antia et al.: The Integrated School of Ocean Sciences (ISOS),

E. Söding et al.: The Cluster of Excellence "The Future Ocean"

F. Balzereit et al.: Public Outreach Work in the "Future Ocean"

D. Janowske et al.: E-Learning Activities in "The Future Ocean"

C. Schirnick et al.: A Datamanagement concept for the Cluster of Excellence and /SFBs in Kiel