PhD Days 2016

Program guide

Schloss Etelsen, April 5-6, 2016

Organized by:

GLOMAR
Bremen International Graduate School in Marine Sciences

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Welcome

We would like to wish all participants a warm welcome to the **2016 Bremen PhD Days in Marine Sciences** held in Schloss Etelsen. This meeting is jointly organized by the GLOMAR office and the MARUM/GLOMAR PhD representatives.

It is the purpose of the **PhD Days** to provide an excellent platform for:

- Presenting your own research in a casual and relaxed environment from which you can supply and receive feedback
- Learn about the large variety of cutting edge marine realm science being conducted by PhD students in and around Bremen
- Further developing a network between institutes and finding contact persons/institutes for interdisciplinary questions around your own project interests.
- Having a good time in a friendly atmosphere in which to develop an enjoyable working community.

If you would like to receive more information please visit:
www.marum.de/en/GLOMAR
If you have a specific question please contact:
phdrepresentatives@lists.marum.de

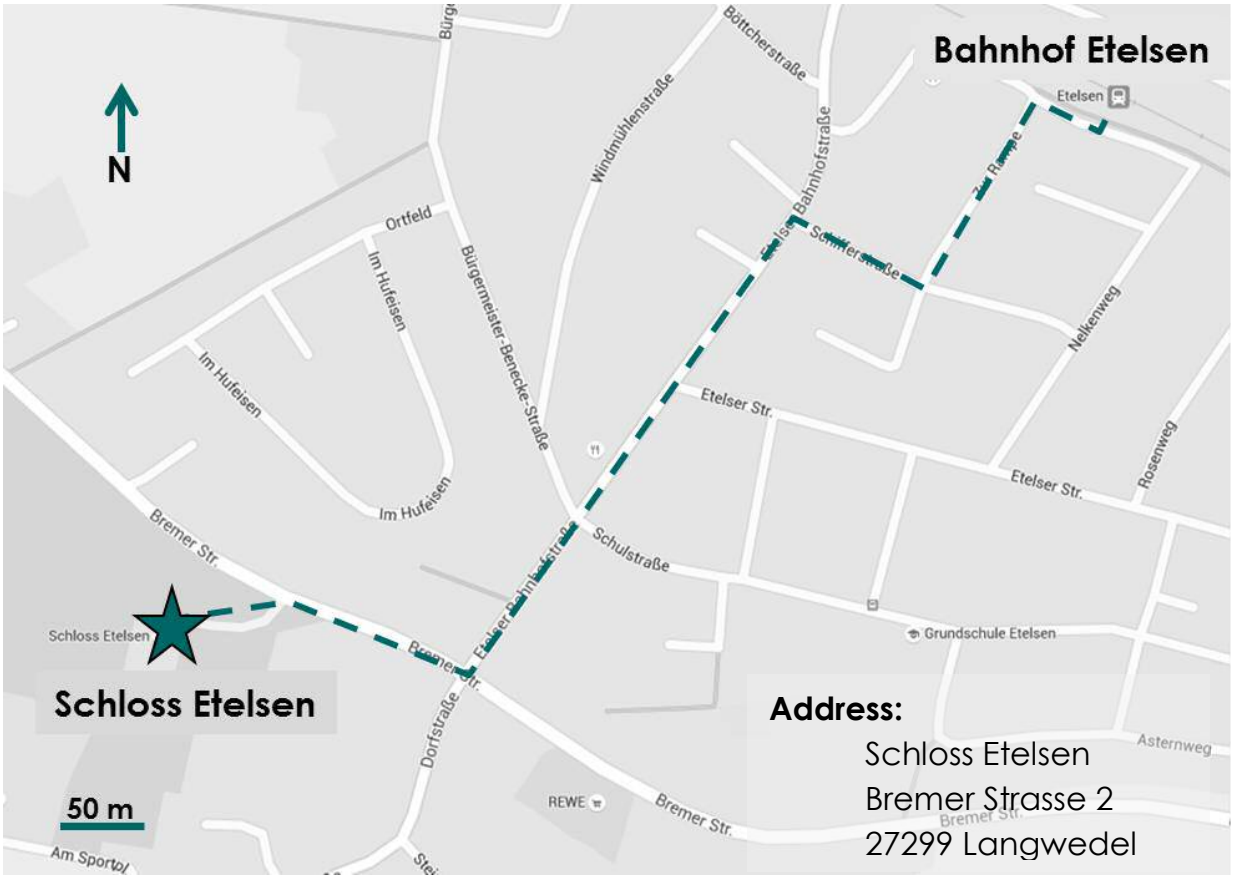
We want to thank all the participants for their contributions and thank GLOMAR for sponsoring this event.

We hope you all will enjoy your stay!

The organizing committee,

Jutta, Dierk, Tina, Benni, Dan, Julia, Thomas and Lennart

Getting to Schloss Etelsen



Getting to Schloss Etelsen by train from Bremen Hbf:

Take the NWB RS1 train departing from Bremen Hbf at **08:57** from platform 5, you will arrive at **09:15** in Etelsen. After a 10-15 minute walk (see map) you will reach Schloss Etelsen.

Getting to Schloss Etelsen by GLOMAR bus:

Please gather in front of the MARUM building at **08:00**. The bus is scheduled to depart around 08:15, please do not be late as the bus will leave without you. For more information please contact Tina Klose.

GLOMAR PhD days 2016 --- Program overview

Tuesday 05 April 2016

09:30 -	10:00	Arrival and poster set up
10:00 -	10:30	Opening by GLOMAR office and PhD representatives
10:30 -	12:00	Workshop provided by GLOMAR Postdocs
12:00 -	12:30	Session 1
12:30 -	14:00	**Lunch**
14:00 -	15:00	Session 2
15:00 -	16:00	Coffee and Poster Session 1
16:00 -	17:00	Session 3
18:00 -	19:00	**Dinner**
19:30 -	~21:00	Social with Pub Quiz

Wednesday 06 April 2016

09:00 -	10:15	Session 4
10:15 -	11:30	Coffee and Poster Session 2
11:30 -	12:30	Session 5
12:30 -	14:00	**Lunch**
14:00 -	14:45	Session 6
14:45 -	15:00	Break
15:00 -	15:30	Awards and closing ceremony

GLOMAR PhD Days 2016 --- Sessions in detail

Session 1 *05 April 2016 12:00 – 12:30*

Chair: **Daniel Gray**

12:00 – 12:07

Sri Nandini (speed talk)
A Quaternary climate Model for the Pontocaspian (PC) Basins.

12:08 – 12:15

Malte Jäger (speed talk)
Deposition of Saharan Dust to the Atlantic observed by Satellites

12:15 – 12:22

Sandy Boehnert (speed talk)
Anthropogenic impact on coastal marine ecosystems through the last millennium

12:23 – 12:30

Claudia Pogoreutz (speed talk)
Absence of microbial dinitrogen fixation in a symbiotic tropical coral

Session 2 *05 April 2016 14:00 – 15:00*

Chair: **Lennart van Maldegem**

14:00 – 14:15

Peter Müller (talk)
Geochemical proxies in shell midden archeology: Prehistoric cooking vs. climate signatures

14:15 – 14:22

Haozhuang Wang (speed talk)
Past cold-water coral growth in the West Melilla Cold-Water Coral Province, Alboran Sea, related to high productivity and current velocity

14:23 – 14:30

Elmar Albers (speed talk)
Ultramafic clasts from serpentine mud volcanoes (Mariana forearc)

Continuation of Session 2 *05 April 2016 14:00 – 15:00*

14:30 – 14:45

Katie Nelson (talk)
Contributions of time and money towards a public good: Evidence from a Bajo fishing community

14:45 – 15:00

Poster Pitches (see presenters below)

Poster Session 1 & 2 *05 April 2016 15:00 – 16:00 & 06 April 2016 10:15 – 11:30*

Chair: **Julia Haberkern**

Thomas Lorscheid (poster)
Sea-level highstand during Marine Isotopic Stage 5e – The Mallorca example

Daniel Gray (poster)
A long term natural exposure experiment on species-selective degradation of dinoflagellate cysts

Friederike Grimmer (poster)
The tropical rain belt of western South America during early Pliocene

Martina Hollstein (poster)
Western Pacific near surface hydrography as reflected in shells of planktic foraminifera

Benjamin Halstenberg (poster)
Rock-Magnetic Analyses of Grain-size and Density Fractionated Samples From Two Different Provenances

Fenna Bergmann (poster)
The Himalaya-Bengal Fan source-to-sink system – correlation of seismic and IODP Exp.354 data

Grit Warratz (poster)
Turbidite activity in a mid-slope canyon off Argentina/Uruguay (38°S)

Session 3 *05 April 2016 16:00 – 17:00*

Chair: **Benjamin Halstenberg**

16:00 – 16:15

Marleen Stuhr (talk)
Acclimatization of larger benthic foraminifera to long- and short-term thermal stress

16:15 – 16:22

Jin-Xiang Wang (speed talk)
Spatial µ-scale biomarker analysis by MALDI FTICR-MS

16:23 – 16:30

Markus Benninghoff (speed talk)
Introduction to the topic of "Modelling the dynamics of estuarine-inlet-beach exchange (IC32)"

16:30 – 16:45

Simon Jungblut (talk)
Invasive vs. native crabs: Physiological approach to estimate competitive strength

16:45 – 16:52

Julia Oelker (speed talk)
Phytoplankton functional types derived from different hyperspectral satellite sensors

Session 4 *06 April 2016 09:00 – 10:30*

Chair: **Julia Haberkern**

09:00 – 09:15

Mohammad Amirshahi (talk)
Characteristics of instantaneous turbulent events

09:15 – 09:30

Diana Martinez Alarcon (talk)
Ecophysiological performance and life cycle strategies of North Sea shrimps

09:30 – 09:37

Alexander Diehl (speed talk)
Numerical modelling of geothermal gradients

09:38 – 09:45

Qing Zeng Zhu (speed talk)
From paleoclimatology to microbiology study

Continuation of Session 4 *06 April 2016 09:00 – 10:15*

09:45 – 10:00

Markus Loher (talk)
Ruptured carbonate crusts at cold seeps in the Calabrian Arc (Central Mediterranean)

10:00 – 10:15

Lennart van Maldegem (talk)
On the Origins of Complex Life

Session 5 *06 April 2016 11:30 – 12:30*

Chair: **Thomas Lorscheid**

11:30 – 11:45

Rebecca Aepfler (talk)
Shallow hydrothermal vent systems: Significance of sugars and amino acids for microbial life

11:45 – 10:52

Linda Schumacher (speed talk)
Flood Protection in the law of Germany and New Zealand

11:53 – 12:00

Min Song (speed talk)
Microbial gas and oil degradation in marine cold and hot seep sediments

12:00 – 12:15

Julia Haberkern (talk)
Morphological relationship of small-scale contouritic depositional systems and topographic heights

12:15 – 12:22

Bernhard Viehweger (speed talk)
Bacterial endospores: A key player in the deep biosphere?

Session 6 *06 April 2016 14:00 – 14:45*

Chair: **Daniel Gray**

14:00 – 14:15

Jinpeng Wang (talk)
Hydrodynamic sorting of sedimentary organic carbon in the Changjiang Estuary and adjacent shelf

14:15 – 14:22

Susanne Coers (speed talk)
Abiotic and biotic influenced acoustic patchiness of coarse grain habitats.

14:23 – 14:30

Diana Azevedo Martins (speed talk)
Uncertainties of regional ocean circulation projections

14:30 – 14:45

Louise Cameron (talk)
A microsensor study of coral calcification under pH and temperature stress

List of participants

Participant	Affiliation
Rebecca Aepfler	MARUM
Elmar Albers	Department of Geosciences, University of Bremen
Mohammad Amirshahi	MARUM
Markus Benninghoff	MARUM
Fenna Bergmann	Department of Geosciences, University of Bremen
Sandy Boehnert	MARUM
Louise Cameron	Leibniz Center for Tropical Marine Ecology (ZMT)
Susanne Coers	MARUM
Daniel Gray	MARUM
Alexander Diehl	Department of Geosciences, University of Bremen
Friederike Grimmer	MARUM
Julia Haberkern	MARUM / Department of Geosciences, University of Bremen
Benjamin Halstenberg	Department of Geosciences, University of Bremen
Martina Hollstein	MARUM
Malte Jäger	Institute of Environmental Physics, University of Bremen
Simon Jungblut	BreMarE - Bremen Marine Ecology, University of Bremen
Markus Loher	MARUM / Department of Geosciences, University of Bremen
Thomas Lorscheid	MARUM / Leibniz Center for Tropical Marine Ecology (ZMT)
Diana Martinez Alarcon	Alfred Wegener Institute (AWI)
Peter Müller	Leibniz Center for Tropical Marine Ecology (ZMT)
Sri Nandini	MARUM
Katie Nelson	Leibniz Center for Tropical Marine Ecology (ZMT)
Julia Oelker	Institute on Environmental Physics, University of Bremen
Claudia Pogoreutz	Leibniz Center for Tropical Marine Ecology (ZMT)
Linda Schumacher	Forschungsstelle für Europäisches Umweltrecht (FEU)
Min Song	MARUM
Marleen Stuhr	Leibniz Center for Tropical Marine Ecology (ZMT)
Lennart van Maldegem	Max Planck Institute for Biogeochemistry / MARUM
Bernhard Viehweger	MARUM
Jin-Xiang Wang	MARUM
Jinpeng Wang	MARUM
Haozhuang Wang	MARUM
Grit Warratz	MARUM / Department of Geosciences, University of Bremen
Qing Zeng Zhu	MARUM