


Open invitation to all
marine science PhD
students

PHD days 2014

A large graphic of stylized blue waves. In the center, a light blue dolphin is leaping out of the water. On its back, there are three animals: a brown dog, a black dog, and a red rooster.

07-08th April '14
Schloss Etelsen
Achim

Discuss your work in a
casual environment

Make contacts and
ask your interdisciplinary
questions

G L O M A R

Bremen International Graduate School
for Marine Sciences providing

transport, registration and accommodation

More info: <http://www.marum.de/en/GLOMAR.html>

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Welcome to the 7th PhD days in Etelsen castle

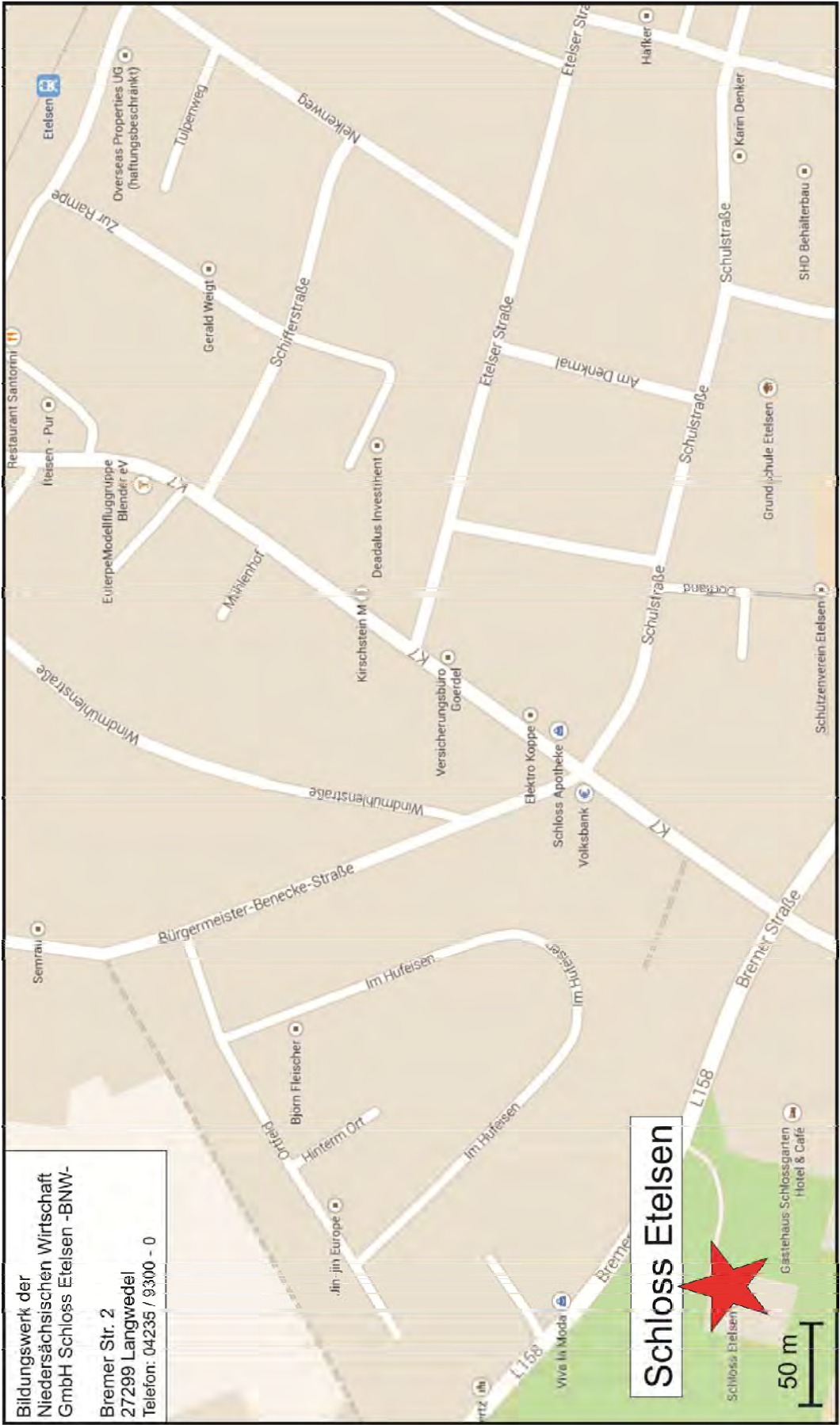
The organizing committee wishes a warm welcome to the many participants of the Bremen PhD Days in Marine Sciences in Etelsen castle. This meeting is jointly organized by the GLOMAR office and the MARUM/GLOMAR PhD representatives.

The **Bremen PhD Days in Marine Sciences** provide an excellent opportunity to

- experience a variety of scientific expertise in and around Bremen
- present your own work
- develop a network between institutes and find contact persons/institutes for interdisciplinary questions of your own project
- have a good time in a friendly atmosphere

We hope you all enjoy your stay.

We also wish to thank all the participants for their contributions and thank GLOMAR for sponsoring this event!



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Niedersächsischen Wirtschaft
GmbH Schloss Etelsen -BNW-
Bremer Str. 2
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Schloss Etelsen

50 m

Timetable PhD Days 2014

| Monday, 7 April | |
|------------------------|--|
| 9:30 - 10:00 | Arrival, Poster Arrangement |
| 10:00 - 10:10 | Welcome by PhD Representatives, Dierk Hebbeln and Christina Klose |
| 10:10 - 11:00 | Tutorial on how to ask questions after presentations |
| 11:00 - 12:30 | Session 1, 4 talks, 2 speed talks, Pitch |
| 12:30 - 13:30 | Lunch |
| 13:30 - 15:30 | Poster & Coffee |
| 15:30 - 17:00 | Session 2, 4 talks, 3 speed talks |
| 17:00 - 18:00+ | Project Game |

| Tuesday, 8 April | |
|-------------------------|---|
| 9:00 - 10:30 | Session 3, 4 talks, 2 speed talks, Pitch |
| 11:00 - 12:30 | Poster & Coffee |
| 12:30 - 13:30 | Lunch |
| 13:30 - 15:30 | Session 4, 5 talks, 3 speed talks |
| 15:30 - 16:00 | Awards? Coffee and Closing Ceremony |

Session 1, Mo. April 7

11:00 - 11:15

Advanced analytical methodology for analysis of sea surface temperature proxy relevant biomarkers

Becker, Kevin W; Lipp, Julius S.; Versteegh, Gerard J.M.; Wörmer, Lars; Hinrichs, Kai-Uwe

11:15 - 11:25

Lipid profile and related microbial activity in Janssand sediment

Wu Weichao, Meador Travis, Evans Thomas, Hinrichs Kai-Uwe

11:25 - 11:40

The role of mineral aerosols in the climate system: Driven by or driving environmental change?

Carmen Friese, Jan-Berend Stuut, Gerhard Fischer

11:40 - 11:55

A sedimentary tracer for reef island evolution

Mann, Thomas; Wizemann, André; Westphal, Hildegard

11:55 - 12:05

Toward robust and adaptive regional governance for resilient coastal marine social ecological system

Gorris, Philipp

12:05 - 12:20

Seasonal variation of nitrogen fixation associated with two dominant soft corals from the Red Sea.

Bednarz Vanessa; Cardini Ulisse; van Hoytema Nanne; Al-Rshaidat Mamoon; Wild Christian

12:20 - 12:30

Pitch Presentation:

Türke, Andreas; Hansen, Christian; Shuwen, Sun; Matos, Lelia; Özmaral, Asli; Schwab, Arne; Steinmann, Lena; Weber de Morais, Gabriela

Session 2, Mo. April 7

15:00 - 15:15

Seasonal variability in photosynthetic carbon fixation by Northern Red Sea primary producers

van Hoytema, Nanne; Cardini, Ulisse; Bednarz, Vanessa; Naumann, Malik; Al-Horani, Fuad; Wild, Christian

15:15 - 15:25

Tracing meltwater plumes and routing into the ocean during late Pleistocene climate transition

Kirillova, Valeriia

15:25 - 15:40

Comparison of species identification methods for calanoid copepods in the Atlantic Ocean

Bode, Maya; Laakmann, Silke; Cornils, Astrid; Auel, Holger; Hagen, Wilhelm

15:40 - 15:50

Interplay between ocean circulation and Greenland Ice Sheet in the Baffin Bay

Jackson, Rebecca

15:50 - 16:05

Bryozoans and cold-water corals from the Mauritanian shelf: investigations on a unique habitat

Matsuyama, Kei; Freiwald, André; Scholz, Joachim; Kucera, Michal

16:05 - 16:15

Investigation to vegetation dynamics in western South Africa

Zhao Xueqin, Lydie Dupont, Gerold Wefer

16:15 - 16:30

An integrated simulation model as a tool for managing of coral reefs in Indonesia

Sara Minarro, Hauke Reuter

Session 3, Tue. April 8

09:00 - 09:15

Origin of precious minerals at Murchison, South Africa

Blaauwbroek, Nikki; Bach, Wolfgang

09:15 - 09:25

Linking the Holocene variability of Svalbard glaciers and ice caps to oceanic heat advection

Bartels, Martin; Hebbeln, Dierk

9:25 - 9:40

Near-bed hydrodynamic and microbathymetric measurements in the North Sea

Schwab, Arne; Winter, Christian

9:40 - 9:55

The role of the Sunda Strait in the glacial to Holocene development of the eastern Indian Ocean hydrography

Setiawan, Riza; Mohtadi, Mahyar; Hathorne, Ed; Steinke, Stephan; Groeneveld, Jeroen; Kuhnert, Henning; Hebbeln, Dierk; Pahnke, Katharina

9:55 - 10:10

Influence of growth conditions on the membrane lipid composition of marine planktonic archaea

Felix J. Elling, Martin Könneke, Julius S. Lipp, Kai-Uwe Hinrichs

10:10 - 10:20

Interaction between microorganism and DOM in deep subsurface sediment

Gan, Shuchai

10:20 - 10:30

Pitch Presentation:

Goldenstein, Nadine; Rebotim, A; Kleint, Charlotte; Van Maldegem, Lennart; Cavaleiro, Catarina; Kwiatkowski, Cornelia

Session 4, Tue. April 8

13:00 - 13:10

Satellite Based Retrieval of Desert Dust Deposition into the Atlantic Ocean

Jäger, Malte; Lelli, Luca; von Hoyningen-Huene, Wolfgang; Vountas, Marco; Burrows, John Philip

13:10 - 13:25

Integrating short- and long-term bioerosion patterns in the Eastern Mediterranean

Färber, Claudia; Wisshak, Max; Freiwald, André

13:25 - 13:35

Greenhouse gas emissions from the Wuemme, an organic-rich river in the North German Plain

Denise Müller, Thorsten Warneke, Tim Rixen, Justus Notholt, and Hildegard Westphal

13:35 - 13:50

Heat-tolerant symbiosis in the foraminifera *Pararotalia spinigera*

Schmidt, Christiane; Abramovich, Sigal; Brandt, Janett; Almogi-Labin, Ahuva; Herut, Barak; Kucera, Micha

13:50 - 14:05

Microbial community structure of a shallow-water hydrothermal system off Milos Island

Sollich, Miriam; Yoshinaga, Marcos Y.; Schubotz, Florence; Pop-Ristova, Petra; Hinrichs, Kai-Uwe; Pichler, Thomas; Bühring, Solveig I.

14:05 - 14:20

Dinitrogen (N₂) fixation supports high productivity in hard corals

Ulisse Cardini, Vanessa N. Bednarz, Nanne Van Hoytema, Christian Wild

14:20 - 14:35

Hydrological and vegetation change during the Holocene in western South Africa

Herrmann, Nicole; Dupont, Lydie; Zabel, Matthias; Schefuß, Enno

14:35 - 14:45

Lipid profile and related microbial activity in Janssand sediment

Wu Weichao, Meador Travis, Evans Thomas, Hinrichs Kai-Uwe

14:45 - 14:55

Millennial to Centennial scale variability of the Indonesian Throughflow source waters from the Last Glacial Maximum to present.

Awaluddin, M. Yusuf

Participants

| | | |
|--------------------|----------------|--------------------------|
| Bartels | Martin | MARUM |
| Becker | Kevin | MARUM |
| Bednarz | Vanessa | ZMT |
| Blaauwbroek | Nikki | University of Bremen |
| Bode | Maya | BreMarE |
| Cardini | Ulisse | ZMT |
| Cavaleiro | Catarina Dinis | MARUM |
| Elling | Felix | MARUM |
| Färber | Claudia | Senckenberg am Meer |
| Friese | Carmen | MARUM |
| Gan | Suchai | MARUM |
| Goldenstein | Nadine | MARUM |
| Gorris | Philipp | ZMT |
| Hansen | Christian | University of Bremen |
| Herrmann | Nicole | MARUM |
| Jackson | Rebecca | MARUM |
| Jäger | Malte | IUP |
| Kirillova | Valeriia | MARUM |
| Kleint | Charlotte | Jacobs University Bremen |
| Kwiatkowski | Cornelia | MARUM |
| Mann | Thomas | ZMT |
| Matos | Lelia | MARUM |
| Matsuyama | Kei | Senckenberg am Meer |
| Meyer | Vera | AWI |
| Minarro Villanueva | Sara | ZMT |
| Müller | Denise | IUP |
| Özmar | Asli | MARUM |
| Rebotim | Andreia | MARUM |
| Santos | Celia | MARUM |
| Schmidt | Christiane | MARUM |
| Schwab | Arne | MARUM |
| Setiawan | Riza | MARUM |
| Sollich | Miriam | MARUM |
| Steinmann | Lena | University of Bremen |
| Sun | Shuwen | University of Bremen |
| Türke | Andreas | University of Bremen |
| van Hoytema | Nanne | ZMT |
| van Maldegem | Lennart | MPI |
| Weber de Morais | Gabriela | ZMT |
| Wu | Weichao | MARUM |
| Zhao | Yueqin | MARUM |