ECORD Summer School 2014

Subseafloor Biosphere: Current Advances and Future Challenges

Greatship Manisha, Geoquip Marine, courtesy of Island Drilling Singapore Pte Ltd

22 September - 2 October 2014
Bremen, Germany

Invited lecturers:

Jan Amend (University of Southern California), Wolfgang Bach (MARUM, University of Bremen), Antje Boetius (MPI Bremen & AWI Bremerhaven), Gerhard Bohrmann (MARUM, University of Bremen), Marshall Bowles (MARUM, University of Bremen), Sarah Davies (University of Leicester), Steve D'Hondt (University of Rhode Island), Jochen Erbacher (BGR Hannover), Bert Engelen (University of Oldenburg), Verena Heuer (MARUM, University of Bremen), Kai-Uwe Hinrichs (MARUM, University of Bremen), Fumio Inagaki (Kochi Core Center, JAMSTEC), Bo Barker Jørgensen (Aarhus University), Jens Kallmeyer (University of Potsdam), Mark Lever (ETH Zurich), Beth Orcutt (Bigelow Laboratory for Ocean Sciences), John Parkes (Cardiff University), Ursula Röhl (MARUM, University of Bremen), Axel Schippers (BGR Hannover), Andreas Teske (UNC, Chapel Hill), and others

Venue:

MARUM - Center for Marine Environmental Sciences

with the

IODP Bremen Core Repository

Bremen, Germany

ECORD European Consortium for Ocean Research Drilling

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DEEP CARBON OBSERVATORY

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The Topic

The deep subseafloor biosphere may be one of the largest ecosystems on our planet, driving subseafloor geochemical processes that affect ocean chemistry, the global carbon cycle, and the alteration of sediment and rocks. Its exploration means investigation of microbial communities at the limit of life and requires advancement of microbiological and biogeochemical methods. This summer school will address the latest developments in the investigation of the deep marine biosphere.

The School

This summer school will combine lab exercises on IODP-style shipboard methodologies ("**virtual ship**") as well as interactive lectures by world-leading scientists in the fields of geomicrobiology and biogeochemistry. Participation will prepare you for future involvement in IODP and for research on the deep subseaflorr biosphere. The summer school will take advantage of the unique and integrated facilities offered by the **IODP Bremen Core Repository** and the **MARUM laboratories**.

Registration

To apply, please send your application (Letter of motivation, CV, registration form and one letter of support, combined into a single PDF file) to Jutta Bülten in the GLOMAR office (jbuelten@marum.de). The registration form can be found on the webpage of the summer school (see below). A total of 30 participants can be accepted. The course fee is **€120**. Travel, accommodation and meals must be covered by the participants. The **application deadline** is **9 May 2014.**

Scholarships

ECORD provides scholarships for students to attend ECORD summer schools. Applications from students of non-ECORD countries are also accepted. The **deadline** for applications to get an **ECORD Scholarship** will be announced on the webpage of the summer school (see below).

http://www.marum.de/en/ECORD_Summer_School_2014.html

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