ECORD Summer School 2017

"Current-Controlled Sea Floor Archives: Coral Mounds and Contourites"

21 August – 1 September 2017, Bremen, Germany

Potential lecturers:
S. Davis, Leicester, UK
G. Eberli, Miami, USA
A. Foubert, Fribourg, Switzerland
A. Freiwald, Wilhelmshaven, Germany
D. Hebbeln, Bremen, Germany
J. Hernandez-Molina, London, UK
V. Huvenne, Southampton, UK
J.S. Laberg, Tromso, Norway
L. Pomar, Palma de Mallorca, Spain
M. Rebesco, Triest, Italy
M. Roberts, Edinburgh, UK
U. Röhl, Bremen, Germany
T. Schwenk, Bremen, Germany
R. Stein, Bremerhaven, Germany
D. Stow, Edinburgh, UK
D. Van Rooij, Gent, Belgium
A. Viana, Rio de Janeiro, Brazil
A. Wheeler, Cork, Ireland
and others …

Venue:
MARUM – Center for Marine Environmental Sciences

and the
IODP Bremen Core Repository (BCR)

University of Bremen
Germany

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The Topic

The striking commonality between contourite drifts and cold-water coral mounds is their dependence on a dynamic bottom current regime as well as on sediment supply to generate impressive sedimentary archives. By having the capacity to form such distinct positive sea floor structures, both systems are characterized by enhanced sediment deposition. Consequently, these sedimentary features can serve as paleo-archives with clearly enhanced temporal resolution of the resulting paleo-records. Such high-resolution records often differ in the temporal ranges and/or temporal resolutions provided with, for example, high and low temporal resolution alternating between both archives driven by changing forcing conditions. Thus, combining different signals and mound versus contourite records will be among many promising tasks for future cooperation of contourite and cold-water coral mound researchers.

The School

The 11th ECORD Summer School will combine lab exercises on IODP-style shipboard methodologies ("**virtual ship**") as well as interactive lectures by distinguished international scientists, this time in the fields of mapping contourites and coral mounds and on reading their respective paleo-records. Participation will help to prepare you for involvement in IODP and for research work on processes forming current-controlled sedimentary archives. The Summer School will take advantage of the unique and integrated facilities offered by the **IODP Bremen Core Repository (BCR)** 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) to Jutta Bülten in the GLOMAR office (ecord@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 **€150**. Travel, accommodation and meals must be covered by the participants. The **application deadline** is **5 May 2017**.

Scholarships

ECORD provides scholarships **for students from ECORD member countries** to attend ECORD Summer Schools. **The deadline to apply for an ECORD Scholarship** will be announced on the webpage of the Summer School (see below).

http://www.marum.de/en/ECORD_Summer_School_2017.html

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