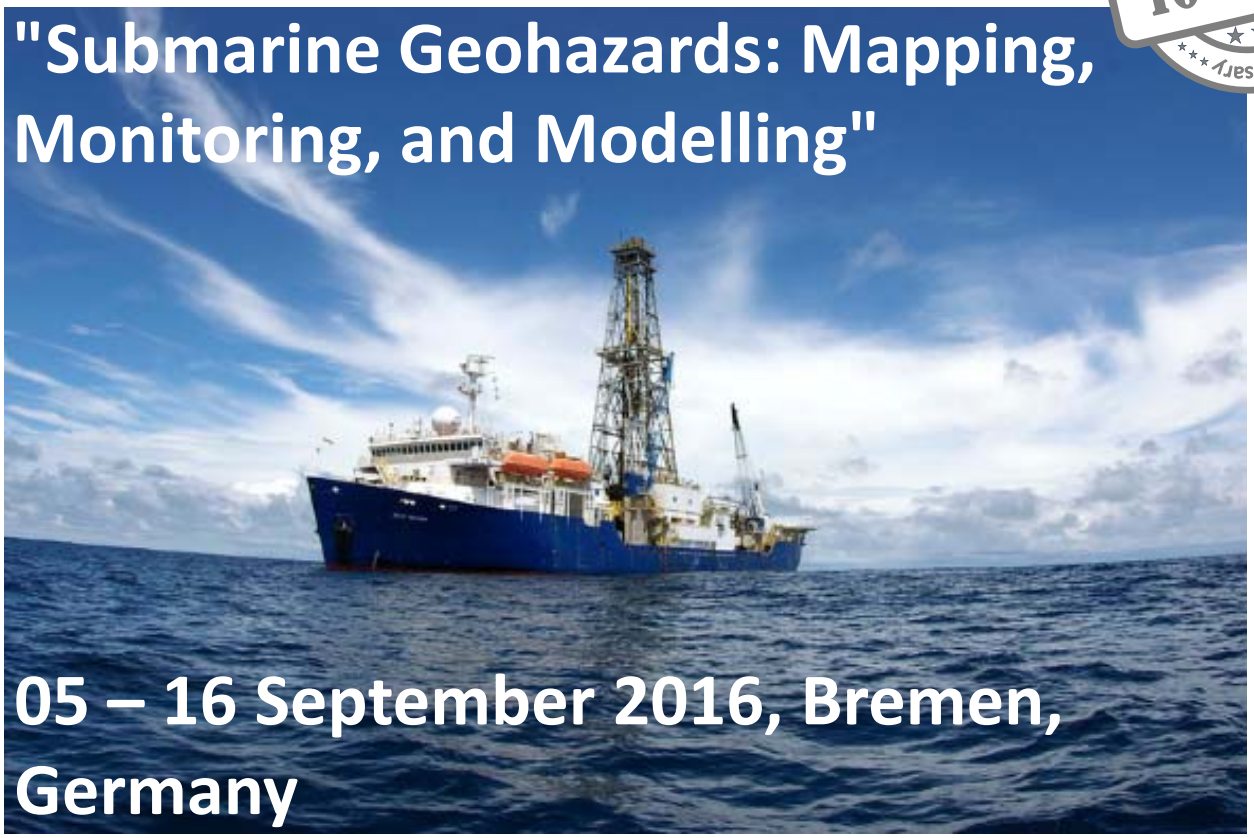
ECORD Summer School 2016

10 YEARS anniversary

"Submarine Geohazards: Mapping, Monitoring, and Modelling"



05 – 16 September 2016, Bremen, Germany

Potential lecturers:

A. Camerlenghi (OGS)
T. Dahm (GFZ Potsdam)
E. Davis (Geological Survey of Canada)
C.B. Harbitz (NGI)
H. Kopp (GEOMAR)
S. Krastel (Uni Kiel)
F. Løvholt (NGI)
O. Oncken (GFZ Potsdam)
M. Strasser (Uni Innsbruck)
P. Talling (NERC)
A. Kopf (MARUM, Bremen)
T. Schwenk (Uni Bremen)
H. Villinger (Uni Bremen)
C. Waldmann (MARUM, Bremen)
K.Huhn (MARUM, Bremen)
U. Röhl (MARUM, Bremen)
and others….

Venue:

MARUM – Center for Marine Environmental Sciences

and the

IODP Bremen Core Repository (BCR)

University of Bremen
Germany

ECORD EUROPEAN CONSORTIUM FOR OCEAN RESEARCH DRILLING

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ECORD Summer School 2016

The Topic

Submarine landslides and earthquakes as well as subsequent tsunamis are major geohazards that can pose significant risks to coastal populations and to seafloor infrastructures. Improving our understanding of when, where, and how slope failures and earthquakes occur as well as the assessment of their risk potential are among the most urgent and challenging tasks in Earth sciences. A combination of cutting–edge technologies, including geoscientific mapping, seafloor geodesy, long-term monitoring, sediment coring, and ocean drilling, is needed to gain deeper insights into the interactions among tectonic movements, rock/sediment physical properties, *in situ* stress, and transient pore pressure. These are potential controlling factors for both earthquakes and landslides. The ocean drilling initiative is uniquely positioned to elucidate the underlying geologic processes that govern the nature and evolution of submarine landslides and earthquakes.

The School

The 10th ECORD Summer School, in keeping with the successful structure of past years, 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, monitoring and modelling of submarine geohazards. Participation will help to prepare you for involvement in IODP and for research work on geohazardous processes. 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) 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 2016**.

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_2016.html

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