

Application

The summer school aims at young scientists with a background in marine or environmental natural sciences of all disciplines. Researchers at PhD student level are welcome to apply, but also young post docs and advanced master students. The deadline for application is April 14, 2013.

Send your application by e-mail (as a single pdf file) to:
www.icbm-summer-school2013@uni-oldenburg.de

It has to include a CV (1 page) and a motivation letter (1 page) describing the scientific background of the applicant and his/her personal expectation from attendance of the summer school. Good English knowledge must be appropriately documented in the application. The successful candidates will be contacted in early May 2013.

Please visit our web site for further information:

www.icbm-summer-school2013.uni-oldenburg.de



On behalf of the
organisation committee:

Dr. Jürgen Köster

ICBM Summer School on Coastal Systems 2013 August 10-24, 2013

Institute for Chemistry and Biology of the
Marine Environment (ICBM)
University of Oldenburg
Carl von Ossietzky Str. 9-11
D-26129 Oldenburg
www.icbm.de

Location in Wilhelmshaven:
ICBM-Terramare
Schleusenstr. 1
D-26382 Wilhelmshaven

Location on Spiekeroog:
Wittbülten Environmental Centre
Hellerpad 2
D-26474 Spiekeroog

Contact:

ICBM Summer School - Dr. Jürgen Köster
Phone: +49 (0)441-798 3350
icbm-summer-school2013@uni-oldenburg.de



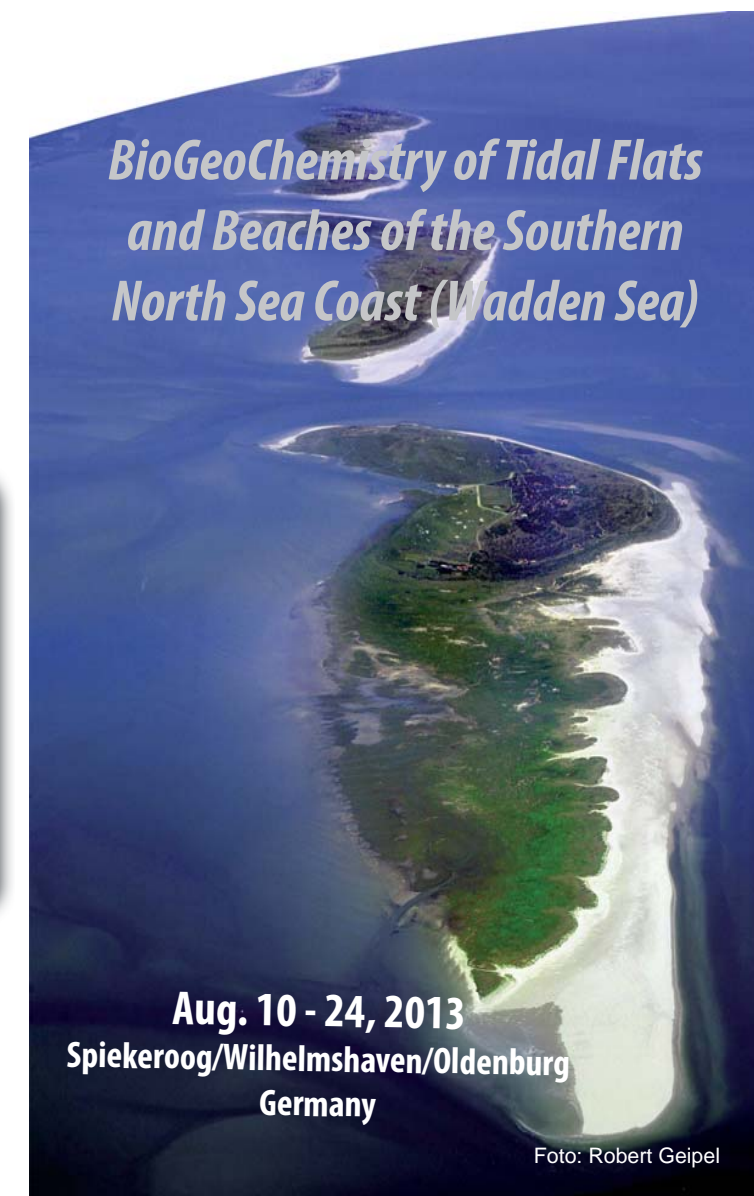
Source: Eurimage 2002, Wadden Sea National Park
Administration of Lower Saxony

DAAD Deutscher Akademischer Austauschdienst
German Academic Exchange Service

Sponsored by DAAD from funds of the Federal Foreign Office



ICBM Summer School on Coastal Systems 2013



BioGeoChemistry of Tidal Flats and Beaches of the Southern North Sea Coast (Wadden Sea)

Aug. 10 - 24, 2013
Spiekeroog/Wilhelmshaven/Oldenburg
Germany

Foto: Robert Geipel

Scope

Coastal ecosystems are of great global importance as they link land and oceans, strongly contribute to net primary productivity and are sites of intense carbon remineralisation and burial. The islands and intertidal flats of the southern North Sea (Wadden Sea) are the largest continuous tidal system worldwide. Due to its outstanding international importance and its unique nature, the Wadden Sea is listed as UNESCO World Heritage since 2009.



The summer school will provide a fundamental understanding of important biogeochemical processes in tidal flats and beaches of the southern North Sea coast (Wadden Sea). Participants will perform scientific work in different disciplines and learn to study a natural ecosystem in a collaborative way. The scientific programme comprises excursions, sampling, hands-on lab work using up-to-date analytical instrumentation, and lectures concerning different topics of coastal research. A special focus will be on biogeochemical cycling of organic matter, nutrients and metals.

Main Topics

- Pore water and sediments
- Optical analysis of chromophoric dissolved organic matter
- Molecular analysis of dissolved organic matter using FTICRMS
- Nutrients and trace metal dynamics
- Microbial communities and activities within sediments
- Statistical interpretation of complex data sets
- Development of the tidal flat system of the southern North Sea
- Excursions by research boats, car, and on foot (Spiekeroog, tidal flats, landscape history and climate, ecology)



Organisation, Fees and Travel Grants

The number of participants will be limited to 15. For practical work the participants will be organized in three groups working on different aspects. The groups will share their experiences and results in joint lab meetings.

The language of the course will be English.

Thanks to funding by the German Academic Exchange Service (DAAD), the fee for the summer school is 80 Euro only. Accommodation, most of the meals and course materials are included. Travel grants for non-German participants and insurances are available according to DAAD regulations.

Participants are expected to arrive on Saturday, Aug. 10, 2013 at ICBM Wilhelmshaven, and leave on Saturday, Aug. 24, 2013.



Locations and Accommodation

In the first week of the summer school will be held on the island of Spiekeroog in the laboratories of the Wittbülten Environmental Centre. The participants will stay in the nearby Quellerdünen-Haus, a full-board accommodation facility for groups with two- and four-bed rooms.

During the second week accommodation will be in the ICBM guest house in Wilhelmshaven. It provides multi-bed rooms and a fully equipped kitchen for self-preparing of breakfast and dinner. For lab work the advanced scientific instrumentation at ICBM in Oldenburg will be used.