



BONUS International PhD field course BALTIC GAS

Seismo-acoustic Imaging of Sedimentary and Gas-related Features in the Baltic Sea

This course offers a combined lab and field course to introduce the most relevant instruments and survey methods of acoustic surface and subsurface imagery to both geophysicists and non-geophysicists. Course participants will acquire a full set of skills, from the basics of analyzing and interpreting seismo-acoustic data, through operational aspects such as cruise planning, watch keeping, logistics, onboard data management and processing, towards data archival and final documenting of shipboard results.

Course schedule

15. - 18. July: Preparatory classroom courses in Szczecin, Poland - theory, equipment, software, field work at sea

19. - 25. July: Research cruise to the Southern Baltic onboard R/V Navigator XXI

26. - 27. July: Presentation, discussion, and documentation of preliminary results

Course program

(morning 09:00 – 12:30, afternoon 13:130-17:00, evening session 19:00-21:00)

Day 1 (15.07): Arrival (17:00), Welcome / Introductory talk, Icebreaker

Day 2 (16.07): morning: Cruise plan Baltic Gas, Goals, Methods. Protocols and reports.
Afternoon: Block 1: multibeam, Block 2: echosounding, sidescan sonar, Block 3: seismic processing, Block 4: seismic processing

Day 3 (17.07): module courses in groups (morning+afternoon), data discussion (evening)

Day 4 (18.07): module courses in groups (morning), seismic interpretation presentation.

Last planning (afternoon)

Participants

The is an open course offerend to PhD students and post docs from the whole Baltic Sea Region. The number of participants is limited by classroom / vessel capacity, appx. 14 berths. The course will be jointly held with master students from the University of Szczecin and the Maritime Academy, Szczecin, totalling 30 participants.

Registration deadline: 25 June 2010.

Costs: The course is free of charge. However, travel costs to / from Szczecin have to be covered, but some support can be provided by the organizers on request.

Organizers: Volkhard Spiess (vspiess@uni-bremen.de, tel +49 421 218 65370) ,
Noemi Fekete (nfekete@uni-bremen.de, +49 421 218 65377), Bremen University,
Department of Geosciences, Klagenfurter Strasse, 28359 Bremen, Germany
Further information is provided on <http://balticgas.net>