

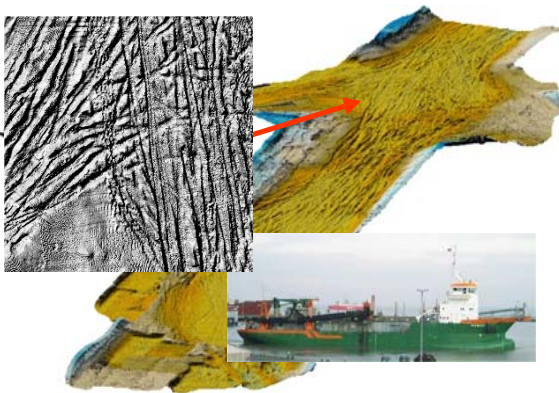
Training and Education Centre Hydrography

Capacity Building in Hydrography

TECHAWI - the Training and Education Centre Hydrography at the Alfred Wegener Institute, Bremerhaven, Germany, serves in hydrographic education and vocational training.

The hydrographic training contributes to sophisticated knowledge in applications related to modern hydrography and it holds track to recent technological developments.

Coastal states gain economic potential and juridical strength due to the globalization in economy, the increasing relevance of the international laws, and the technical advances. Safe navigation, economical and ecological management of marine resources and an integrated coastal development require hydrographic work, e.g. sounding and charting the water depth, determination of currents, delimitation and publication of maritime boundaries. Benefits also arise from hydrography of the coast and inland areas.

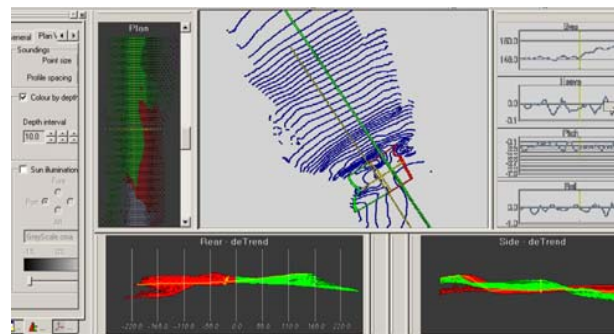


Hydrographic survey and dredging of harbours, ports, and waterways

The Training and Education Centre Hydrography TECHAWI offers customized training and lectures in hydrography. The course could cover a one-day-introduction to hydrography as well as a training of several days duration in selected topics, e.g. a high-tech training at work for technical operators. The curriculum, i.e. topics, complexity, exercises, practical work, and tests, will be fitted to the demands of the customer.



Hydrographic survey with multibeam echo sounder



Quality control of deep-sea soundings

Partners of the Training and Education Centre Hydrography at AWI:



Hochschule Bremerhaven

Bremerhavener Gesellschaft
für Investitionsförderung
und Stadtentwicklung mbH **b!s**

The Training and Education Centre Hydrography is supported by the Alfred Wegener Institute for Polar and Marine Research (AWI) Bremerhaven, German Hydrographic Consultancy Pool (GHyCoP), Bremerhaven University of Applied Sciences, and the Bremerhavener Gesellschaft für Investitionsförderung und Stadtentwicklung mbH (BIS).



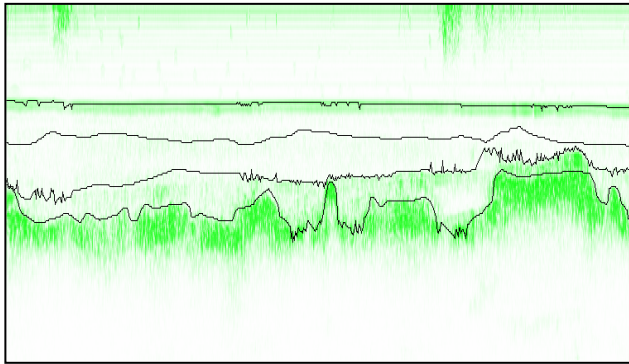
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Hydrographic survey of shallow waters in harbours and coastal zones

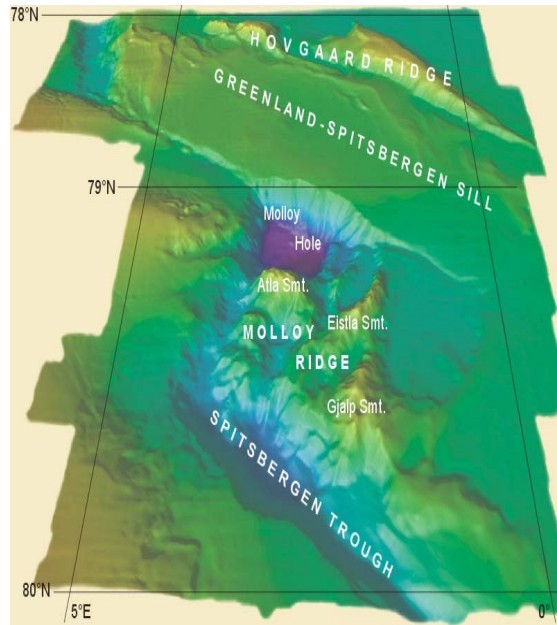
The AWI and GHyCoP networks serve for the appropriate linkage of an application-oriented training at work and a topic-based theoretical apprenticeship. The German Hydrographic Consultancy Pool w.V. (GHyCoP) is the central institution of companies in hydrography, marine research institutions and universities. GHyCoP members meet many areas of expertise and will be integrated in the education and training qualifications.

The education and training at the Training and Education Centre Hydrography (TECHAWI) include the following training fields:

- hydrographic measurement methods and systems
- integration of hydrographic data in maritime decisions
- training and education with respect to the United Nations Convention on Law of the Sea (UNCLOS)
- port security (SOLAS), port monitoring and integrated coastal zone management (ICZM)

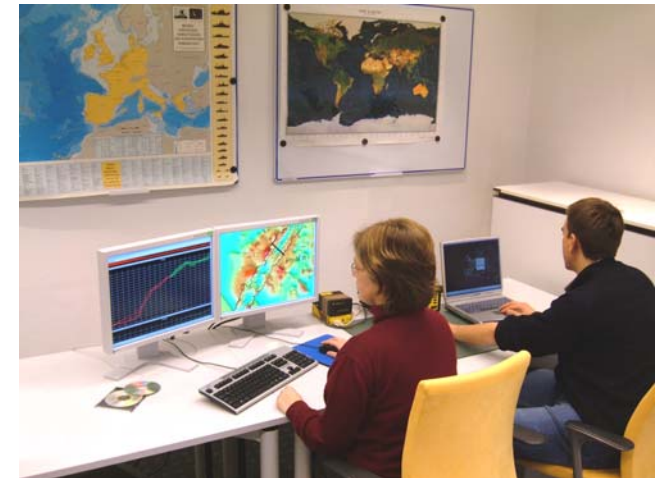


Port security and coastal zone monitoring



Digital and analogue hydrographic products

Training and Education Centre Hydrography at AWI



TECHAWI
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Bremerhaven, Germany