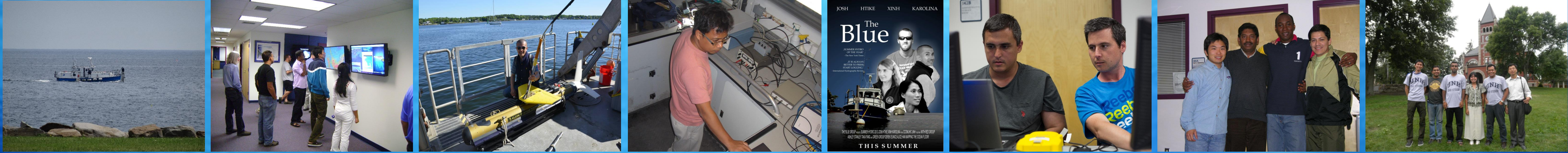


Nippon Foundation / GEBCO Postgraduate Certificate in Ocean Bathymetry



A global capacity-building initiative.

The ongoing success of GEBCO, and its global and regional-scale bathymetric products, depends on the participation and passion of this volunteer community.

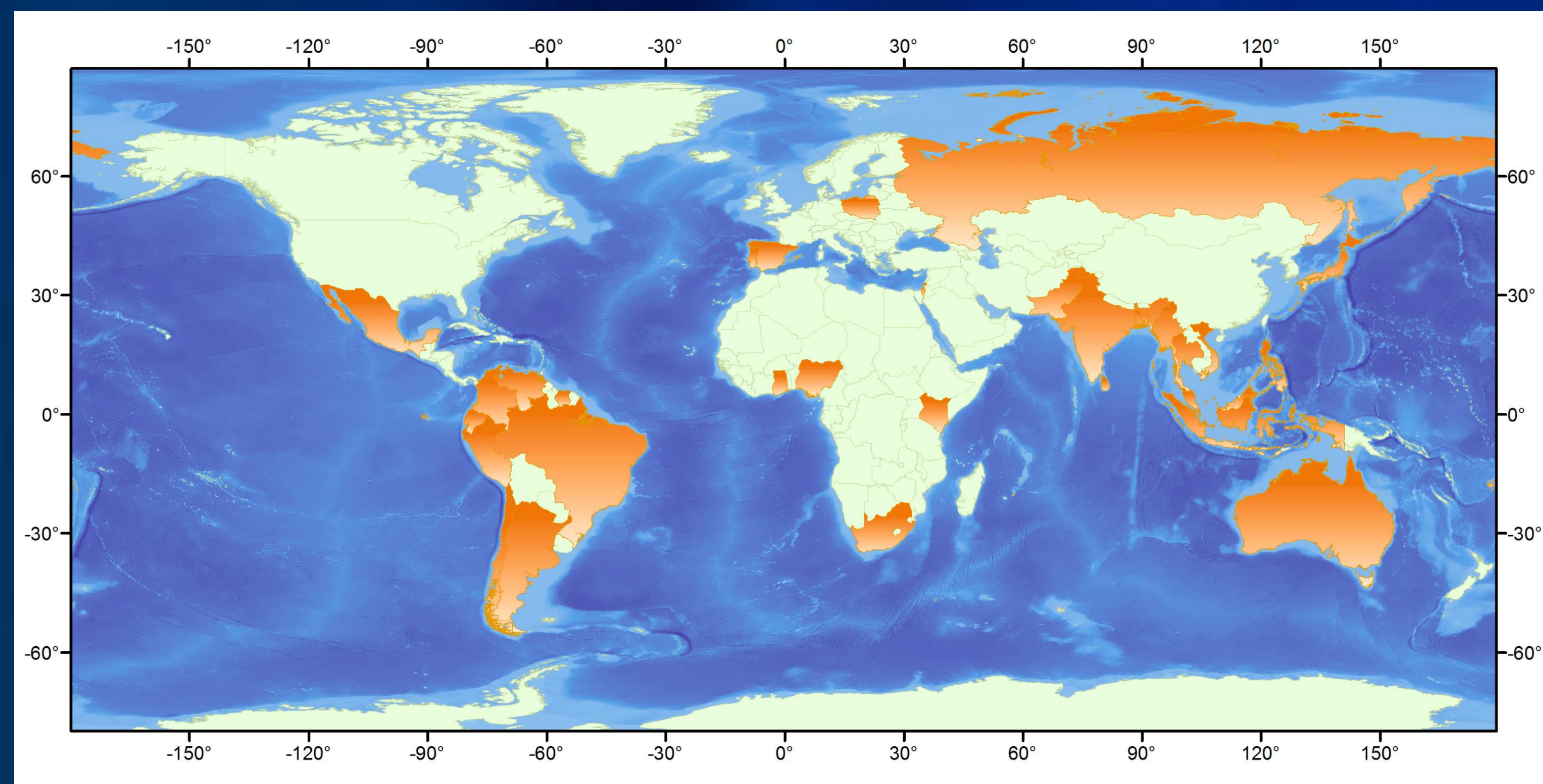
GEBCO designed this unique PCOB program to train and educate a new generation of scientists and hydrographers in ocean bathymetry (http://www.gebco.net/training/training_project/).

This training is funded by the **Nippon Foundation of Japan** (www.nippon-foundation.or.jp/en/)

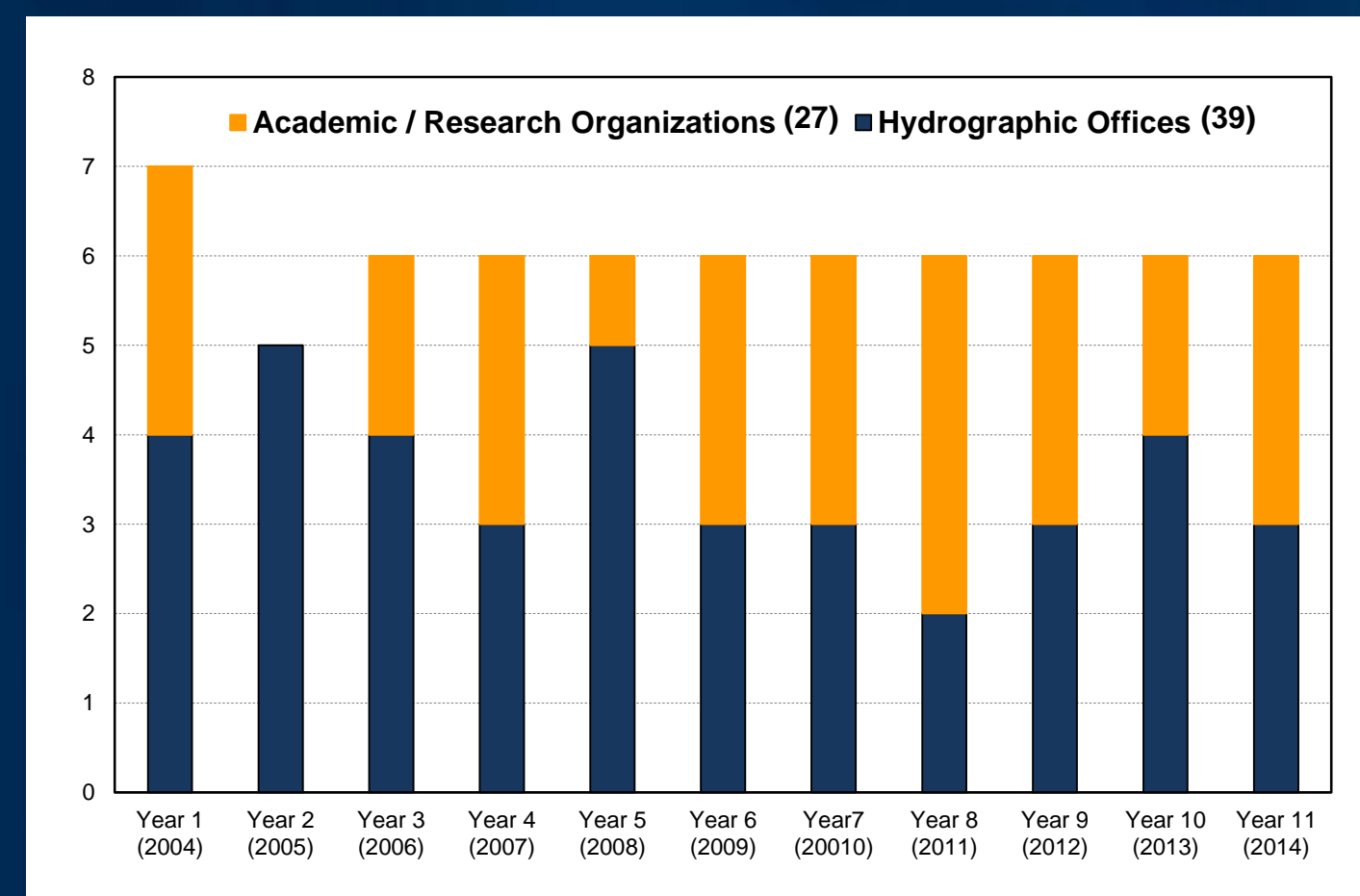
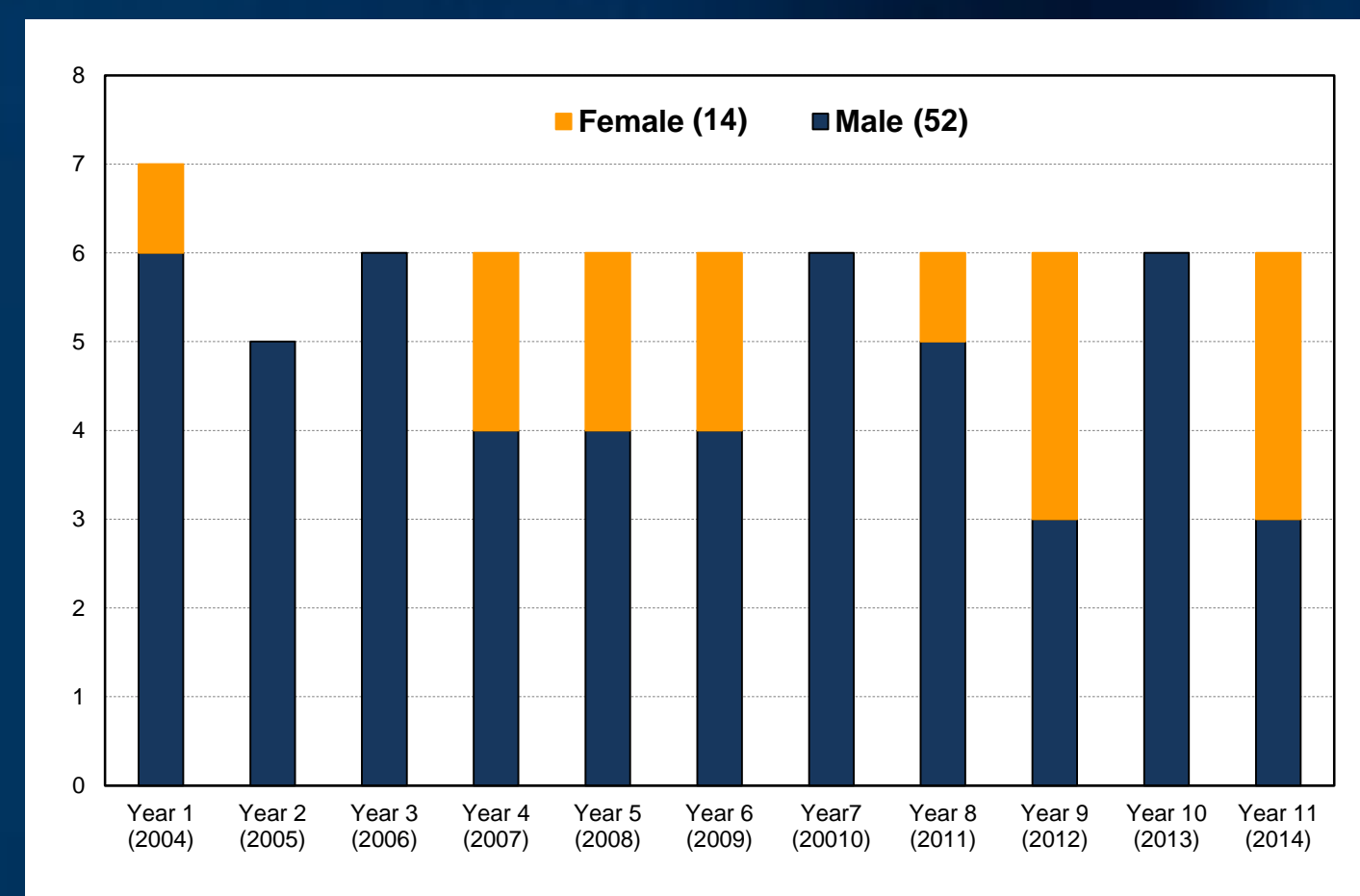
and taught at the **Center for Coastal and Ocean Mapping / Joint Hydrographic Center** at the University of New Hampshire, USA (<http://ccom.unh.edu/>)

The aim of this program is to build a global network of young ocean mappers, who can use the skills, knowledge and network of contacts they acquired during their training to build capacity within their own country and to keep the Nippon Foundation / GEBCO community growing. This will ensure that a new generation of ocean mappers will continue to build on our knowledge of the world's oceans.

Nippon Foundation / GEBCO Alumni Distribution



66 scientists and hydrographers from 32 Coastal States trained to date



Statistics illustrating the overall trends of alumni

Selection Process

The prerequisites of GEBCO and the Nippon Foundation is that prospective students must have a passion for the ocean. An involvement in the ocean and a desire to build capacity in their home country on the completion of the training program is essential, with applicants aspirations supported by their home organization. Applicants also have to meet UNH graduate school requirements, having a four year degree in an applicable field and sufficient capability in English

PCOB Course material

Fall Semester
(August-December)

- Fundamentals of Ocean Mapping I
- Applied Tools in Ocean Mapping
- Geological Oceanography
- Elective (Math for Mapping etc.)

J-term

- Visit NGDC in Boulder, Co.
- Software training (e.g. Fledermaus & QInSy)

Spring Semester
(January-May)

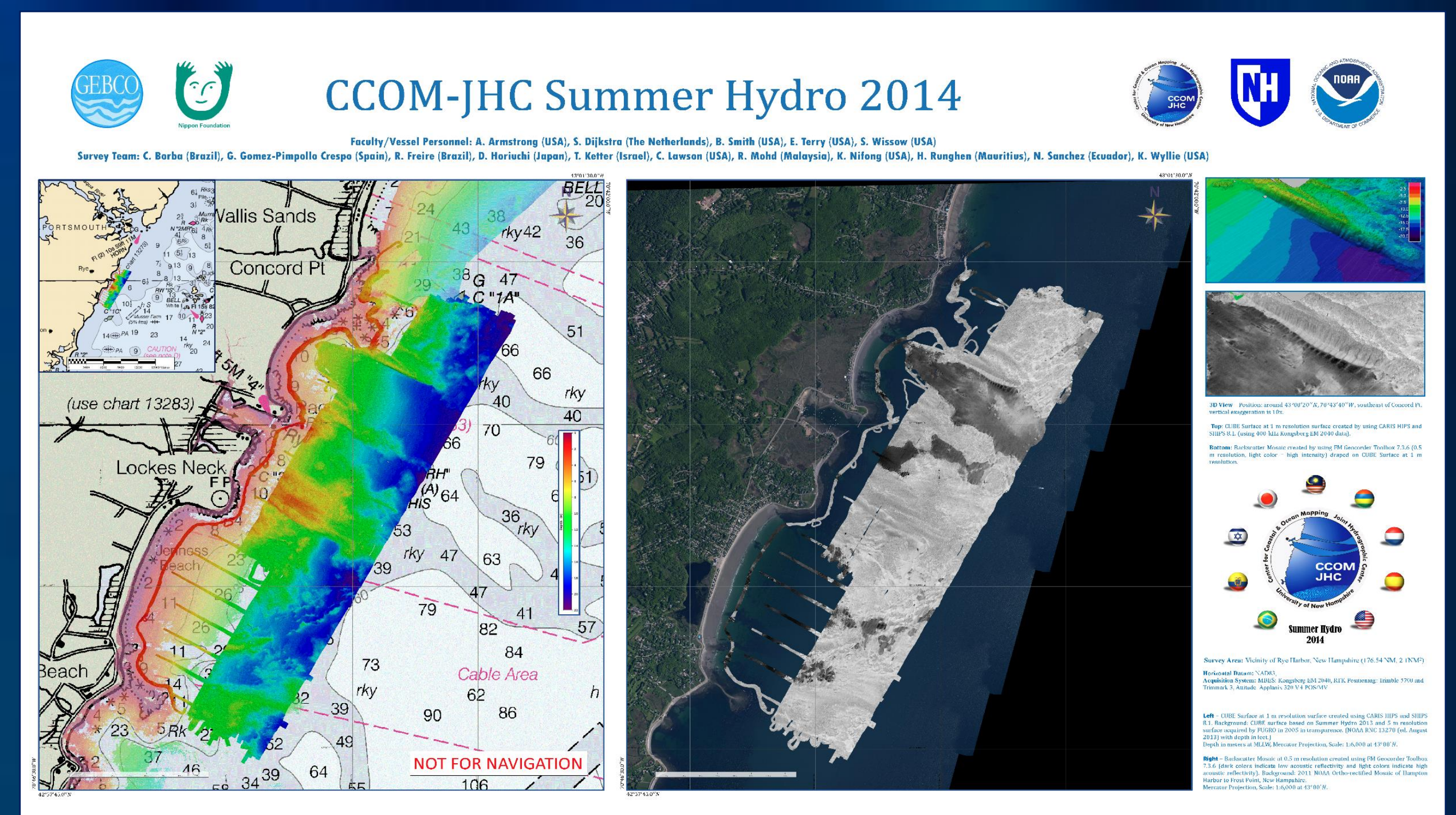
- Fundamentals of Ocean Mapping II
- Bathymetric Spatial Analysis
- Geodesy and Positioning for Ocean Mapping
- Seamanship and Marine Weather
- Electives (LOS, Coastal Processes etc.)

Summer
(June-August)

- Students take the Hydrographic Field Course

Lab Visit & Cruise

- The working visit to a research organization and / or a cruise over the summer is selected by student and their home organization in a field of mutual interest.
- The visit aims to round out the students training, to help them build networks and to deepen some of their newly-acquired theoretical knowledge. This training includes familiarization with the programs the visited organization is engaged in, as well as some directed work under supervision.



Poster created for Summer Hydrographic Course of Summer 2014.

This final comprehensive, intensive and practical course puts to use the wide-ranging academic knowledge gained during the training program, with students getting experience in all aspects of hydrographic surveying: from planning, data acquisition and processing, to product generation.

Qualifications that may be awarded

Nippon Foundation / GEBCO Postgraduate certificate in Ocean Bathymetry
University of New Hampshire Graduate Certificate in Ocean Mapping
FIG/IHO/ICA Category A hydrography (theory)

Supported by THE NIPPON FOUNDATION

