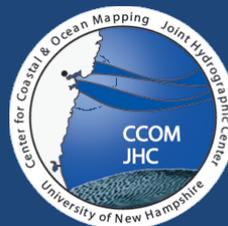


Informational Briefing: Nippon Foundation / GEBCO training program hosted at the University of New Hampshire

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Capacity-building initiative: postgraduate training program



GEBCO Postgraduate Certificate in Ocean Bathymetry

Designed to train a new generation of scientists and hydrographers in ocean mapping



is funded by:
The Nippon Foundation of Japan

and hosted by:
**The Center for Coastal and Ocean Mapping /
Joint Hydrographic Center; University of New Hampshire**

Nippon Foundation / GEBCO training program



- The academic portion of the program consists of
 - core and elective courses
 - class projects / software training
 - hydrographic field course
- Working visit to another research organization and a cruise over the summer



NOAA NATIONAL GEOPHYSICAL
DATA CENTER



Nippon Foundation / GEBCO Training program



Qualifications attainable:

- GEBCO Postgraduate certificate in Ocean Bathymetry
- UNH Graduate Certificate in Ocean Mapping
- FIG/IHO/ICA Cat A in hydrography (theory)



Nippon Foundation / GEBCO Training program



Why has this program been so successful:

- Strong leader in Dave Monahan
→ passionate advocate for ocean mapping
- Lessons learnt through experience
- Host organization
- Ongoing scholar development

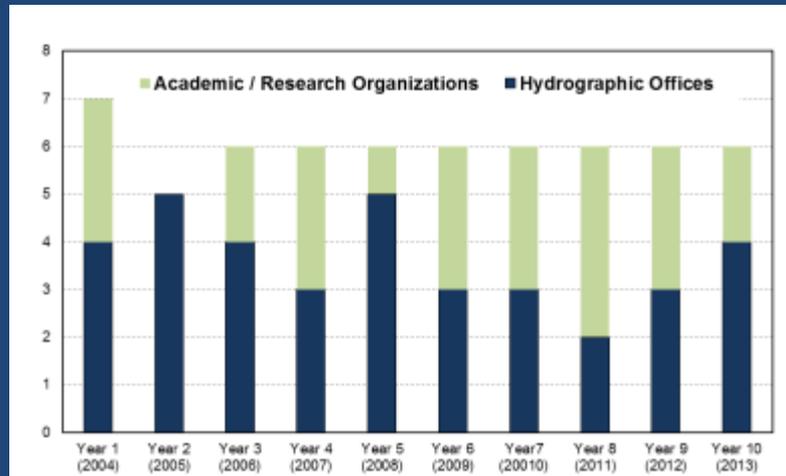
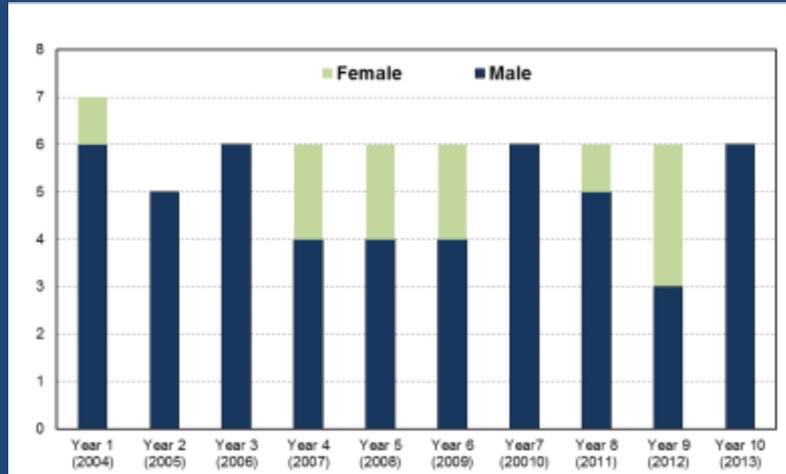
Lessons learnt - Candidate selection



- Through written applications that include a personal statement of interest
- Face to face interviews (Skype, Telephone)
- Interaction with home organization with
 - support for candidate and, more importantly
 - plan for scholar on his/her return



Candidate selection



Objective:

Balanced mix of gender, background and level of experience

Each class composed of hydrographers and research scientists (from universities and research organizations)



CCOM/JHC as a host



- Introduced to state of the art knowledge and cutting-edge developments in ocean mapping in a non-traditional establishment
→ fosters new way of approaching issues
- Part of larger graduate community
- Scholars develop an international network of contacts that are leaders in their respective fields

Education vs. training



- Scholars successful careers
- Personal development paths
 - further education
- Cascading education by alumni
 - MMU MSc course
 - Chittagong University
 - In-house training in home organization

Ongoing Scholar Development



- Scholars become included into larger GEBCO community
 - Active scholars in GEBCO sub-committees
 - Presence and participation in all GEBCO meetings
 - Involvement in GEBCO regional projects
- Scholars now representing GEBCO at other international meetings

Personal experience



What did I learn?

→ I am a geologist and so a lot

- basic practical skills
- principals of ocean mapping
- introduction to cutting-edge developments, and
- real-world experience

→ Gave me the framework/language to understand the scope of ocean mapping

Built an international network of contacts – which comes with new approaches and skills



Personal Development

- A world-class education
- Meet and work with other GEBCO members through annual meetings my involvement in GEBCO regional projects
- Got to attend a number of RHC and IHB meetings

Now a program alumni will be Project Director

→ Ongoing handover with Dave Monahan



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission

Thank you
Any questions?



What is GEBCO?



The General Bathymetric Chart of the Oceans (GEBCO):

- Aims to provide the most authoritative, publicly-available bathymetric datasets for the world's oceans
- Maintains and makes available a gazetteer of undersea feature names

GEBCO operates under the joint auspices of the
International Hydrographic Organization (IHO)

and

Intergovernmental Oceanographic Commission (IOC) of UNESCO

www.gebco.net

GEBCO's organisational structure



GEBCO consists of an international group of experts led by a **Guiding Committee** consisting of 5 IHO-appointed members; 5 IOC-appointed members; Sub-committee Chairs and the Director of the IHO-DCDB

It has 3 sub-committees and working groups:

- Sub-Committee on Undersea Feature Names (SCUFN)
- Technical Sub-Committee on Ocean Mapping (TSCOM)
- Sub-Committee on Regional Undersea Mapping (SCRUM)
- Working groups on Outreach, Metadata and the IHO-IOC GEBCO Cook Book

www.gebco.net/about_us/committees_and_groups/

GEBCO's products



FREELY-AVAILABLE bathymetric data sets and products:

- Global gridded bathymetric data sets
- Global set of digital bathymetric contours
- GEBCO Gazetteer of Undersea Feature Names
- GEBCO Digital Atlas
- GEBCO world map
- Web Map Service (WMS)
- IHO-IOC GEBCO Cook Book

www.gebco.net/data_and_products/

