



INDIAN OCEAN BATHYMETRIC COMPILATION (IOBC) PROJECT

**7 OCTOBER 2013
VENICE**

Rochelle Wigley

BACKGROUND



- The aim of this multi-nation GEBCO / Nippon Foundation Indian Ocean Bathymetric Compilation (IOBC) project is to assemble, collate, archive and publish a grid and map based on available bathymetric data from all sources within the Indian Ocean region.
- Project started with my appointment at UNH in April 2012

OUTLINE



- **Summary of events over last year**
- **Discuss progress made to date, and**
- **Plans moving forward**

IOBC MEETINGS



- **IOBC Workshop - Chittagong, Bangladesh (20th to 22nd January 2013)**

The inception meeting for the IOBC project was hosted by Mohammad Chowdhury at the University of Chittagong in Bangladesh



IOBC WORKING GROUP



- **Attendees:**

- Mohammad Chowdhury, Norhizam Hassan, Roshan Ranaweera, Vasudev Mahale and Mohammad M Uddin
- Shereen Sharma and James Daniell (apologies)

- **Main aim of this inception workshop:**

- Introduce GEBCO scholars from different years and countries)
- Expected roles / identification of skillsets of various individuals
- Software / license requirements to facilitate IOBC
- Define a future work-flow plan for all interested parties

IOBC WORKING GROUP



- **Issues**

- Time
- Software and hardware limitations

- **Resolved in part**

- Server supplied to Chittagong University
- QPS Fledermaus HydroFM Software license purchased for IOBC – currently being utilized at Chittagong University

BUILDING NETWORKS



- **13th North Indian Ocean Hydrographic Commission Conference**
Yangon, Myanmar from 19-22 February
- **5th ROPME Sea Area Hydrographic Commission Conference**
Riyadh, Kingdom of Saudi Arabia from 4-6 March



BUILDING NETWORKS



- **Myanmar Maritime University – 25 March**

Introduction to Dr Myat Lwin, the Rector of Myanmar Maritime University, and presentation to colleagues of Saw Nu Sanda Thein's (GEBCO Year 8) and Htike Htike's (GEBCO Year 9) as well as students from the Civil Engineering Departments.



BUILDING NETWORKS



- **Malaysian National Hydrographic Centre - 26 March**
 - Discussed ongoing collaborations with GEBCO 9th year scholar, Cdr Norhizam Hassan, and FADM Zaaim Hasan, Director General of National Hydrographic Centre of Malaysia.
 - Shereen Sharma (GEBCO Year 1) was invited to Malaysia to develop the scholar's networks (GEBCO Year 1, 4, 9 & 10).



CHALLENGES

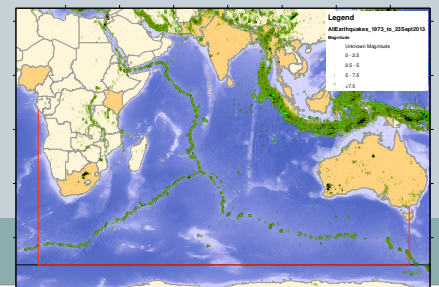
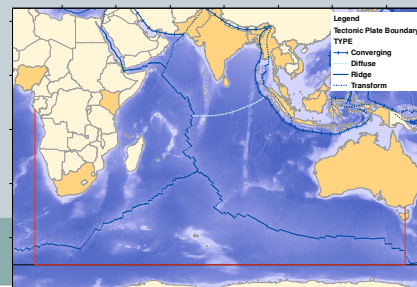
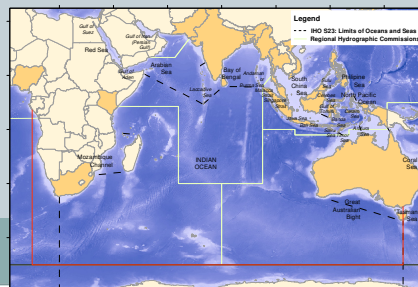
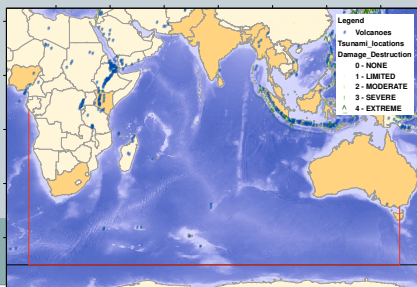
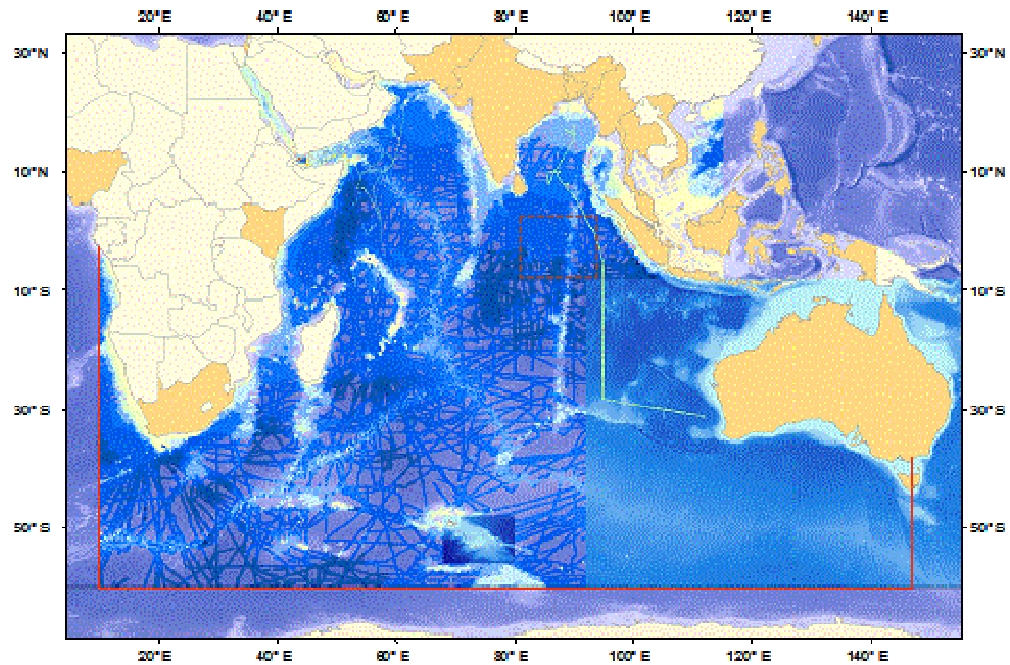


- Data to be given to IOBC from NARA, Sri Lanka: But seen as giving data to USA is obstacle - maybe need to establish secondary database at Chittagong University
- Discussions on going between NARA and Roshan currently
- Mohammad – ongoing discussions with Bangladesh Navy

PROGRESS – IOBC database

Phase 1: GEBCO
Year 8 class project
→ data source
identification

Phase 2: GEBCO
Year 9 class project
→ establishing first
data processing
protocols



Way forward



- Continue to build on IOBC geodatabase
- Continue to utilise IOBC for GEBCO/Nippon Foundation class projects (and lab. visits)
- Use this GEBCO meeting to finalise IOBC work plan (includes plan for IOBC gridding workshop to generate first IOBC grid procedures)
- Develop MOU with ASCLME / continue discussions for shallow-water bathy