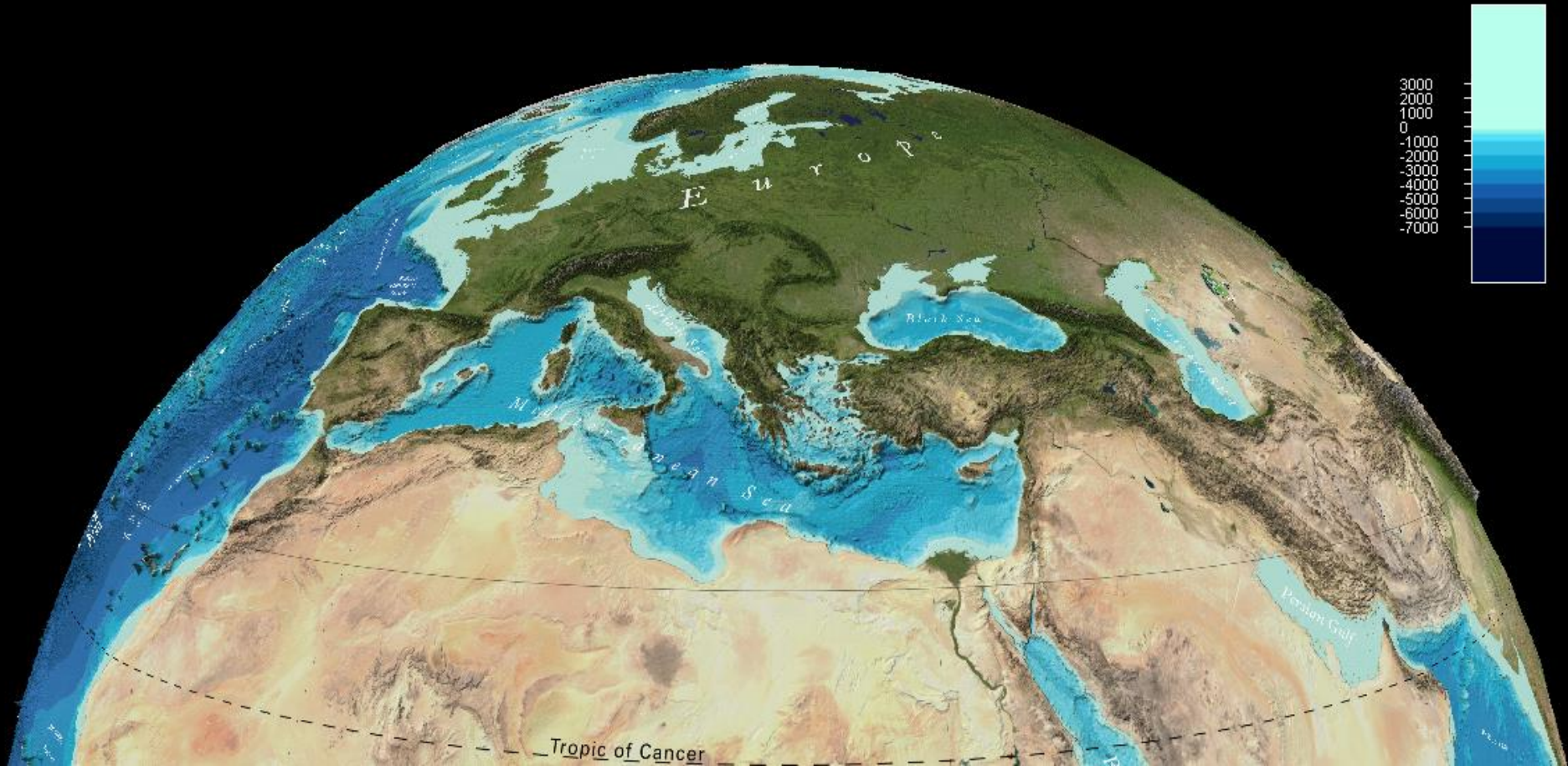


# GEBCO SCRUM Monaco 2014



# Sub-Committee of Regional Undersea Mapping (SCRUM)



Chair: Prof. Martin Jakobsson

Vice Chair: Ms Pauline Weatherall

## Members:

Mr Robert Anderson

Dr Suzanne Carbotte

Sung Ho Choi

Mr Mohammad Zahedur Rahman Chowdhury

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Dr Paul Elmore

Ms Federica Foglini

Dr John K Hall

Dr Benjamin Hell

Mr Serge Levesque

Cdr Hugo Montoro

Dr Eric Moussat

Mr Hans Öiås

Dr Li Sihai

Vice Admiral Shin Tani

Dr Rochelle Wigley

# Input to Agenda Item 21

## What makes GEBCO different?



- Regional representation over the World
- Formal body naming undersea features (SCUFN)
- Links to hydrographic offices and other "ocean and seas" organizations through our parent organizations
- Work on technical aspects of Ocean Mapping



Next grid on USB stick

## Regional Mapping Projects

IBCAO

Work begun towards 3.1

IBCSO

Version 1.0 completed

Incorporated into next GEBCO

JHOD

Parts incorporated into next GEBCO

BSBD 0.9.3

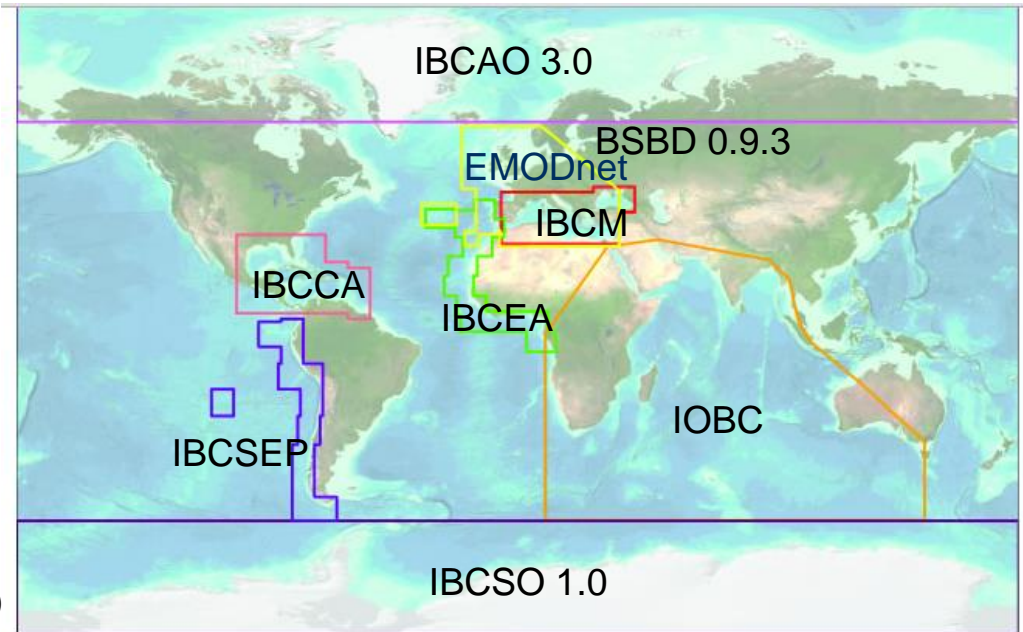
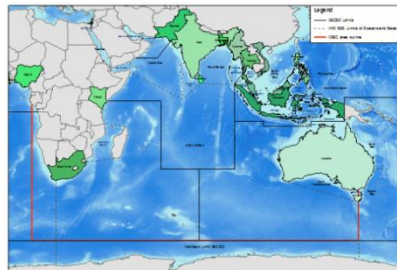
Incorporated into next GEBCO

EMODnet

Incorporated into next GEBCO

IOBC

Work ongoing



### Intergovernmental Oceanographic Commission (IOC) Regional Mapping Projects

GEBCO has long benefitted from contributions from the work of the IOC Regional Mapping Projects. Find out more about the individual projects from their web sites (where available) hosted at the US National Geophysical Data Center:

- International Bathymetric Chart of the Arctic Ocean ([IBCAO](#))
- International Bathymetric Chart of the Southern Ocean ([IBCSO](#))
- International Bathymetric Chart of the Caribbean Sea & Gulf of Mexico ([IBCCA](#))
- International Bathymetric Chart of the Central Eastern Atlantic ([IBCEA](#))
- International Bathymetric Chart of the Mediterranean ([IBCM](#))
- International Bathymetric Chart of the South Eastern Pacific ([IBCSEEP](#))
- International Bathymetric Chart of the Western Indian Ocean ([IBCWIO](#))
- International Bathymetric Chart of the Western Pacific (IBCWIP)



Click on a feature to remove

Map navigation controls including zoom in (+), zoom out (-), home, full screen, and save/cancel buttons.

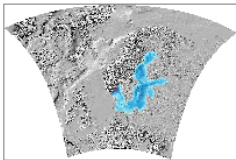
WGS84: 63°2.1'N, 19°40.0'E  
ETRS89-LAEA: 4810752, 4470784  
Depth: -119.89m

200 km



Browser tabs: GEBCO committees x ArcGIS - Baltic Sea B x  
Address bar: www.arcgis.com/home/item.html?id=851889c17d794a5aa2f70011d2547b10  
Navigation: ArcGIS FEATURES PLANS GALLERY MAP HELP Sign In [Search]

## Baltic Sea Bathymetry Database v0.9.3, grid model 500m resolution



WMS by david.modig\_sjov  
Last Modified: February 10, 2014  
★★★★★ (0 ratings, 37 views)  
Sign in to rate this item.  
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OPEN ▾

### Description

This 500m bathymetric grid model is created using data from the countries around the baltic sea. Notice that this is modeled data, not actual measurements. The purpose of this database is to deliver a homogenous bathymetric model for the complete baltic sea at specific resolutions. It is also important to notice that this data must not be used for navigation. Read the disclaimer for detailed terms and conditions. The model will be updated when new data is received from the participating countries.

### Access and Use Constraints

### REST Connection

<http://data.bshc.pro/ogc/bsbd-latest>

### Properties

Tags	BSBD, Sjömåtning, Östersjön
Credits	Licensed under Creative Commons CC-BY 3.0 Unported. Data, imagery and products derived from them are NOT to be used for navigation. See <a href="http://data.bshc.pro/legal/">http://data.bshc.pro/legal/</a> for complete license, terms and conditions.
Size	1 KB
Extent	Left: -34.28 Right: 57.46 Top: 75.4 Bottom: 44.33



## Activities

- We must write a GEBCO release article for the new 2014 grid! Work has begun!
- Special session at the American Geophysical Union (AGU) fall meeting 2014

“New Perspectives on Seafloor Morphology from High-Resolution Ocean Mapping”

- TSCOM-SCRUM meeting in San Francisco, hosted by Google
- Arctic-Antarctic seafloor mapping meeting 2015



## The future of regional mapping; visions

- Encourage and facilitate crowd sourcing to “GEBCOs crowd source system” through regional GEBCO ambassadors

*Encourage our scientific community to establish research project tightly linked to GEBCO and seek funding for them*

*GEBCO must raise its profile within the scientific community*

*Complete removal of registration requirement from our downloading*



# We Map the World Ocean

We need to know the shape of the ocean as we do of land!

.....“Most ocean science relies largely on a geospatial infrastructure that is built primarily from bathymetry data collected underway from ships, archived, and converted into maps and digital grids. Bathymetry, providing the morphology or shape of the seafloor, has long been accepted as an essential tool for safe navigation and understanding geologic history, but it is also a fundamental element of studies of ocean modeling, ocean circulation, tides, tsunami forecasting, upwelling, fishing resources, wave action, sediment transport, environmental baselines, slope stability and risk, paleoceanography, site selection for platforms, cables and pipelines, waste disposal, mineral extraction and environmental research .....