



Intergovernmental  
Oceanographic  
Commission

# **GEBCO Digital Atlas Manager's report**

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British Oceanographic Data Centre (BODC)**

**Joint IHO/IOC Guiding Committee for GEBCO, Venice,  
11<sup>th</sup> October 2013**



**British Oceanographic  
Data Centre**

NATURAL ENVIRONMENT RESEARCH COUNCIL



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ENVIRONMENT  
RESEARCH COUNCIL**

## **GDA Manager's report**

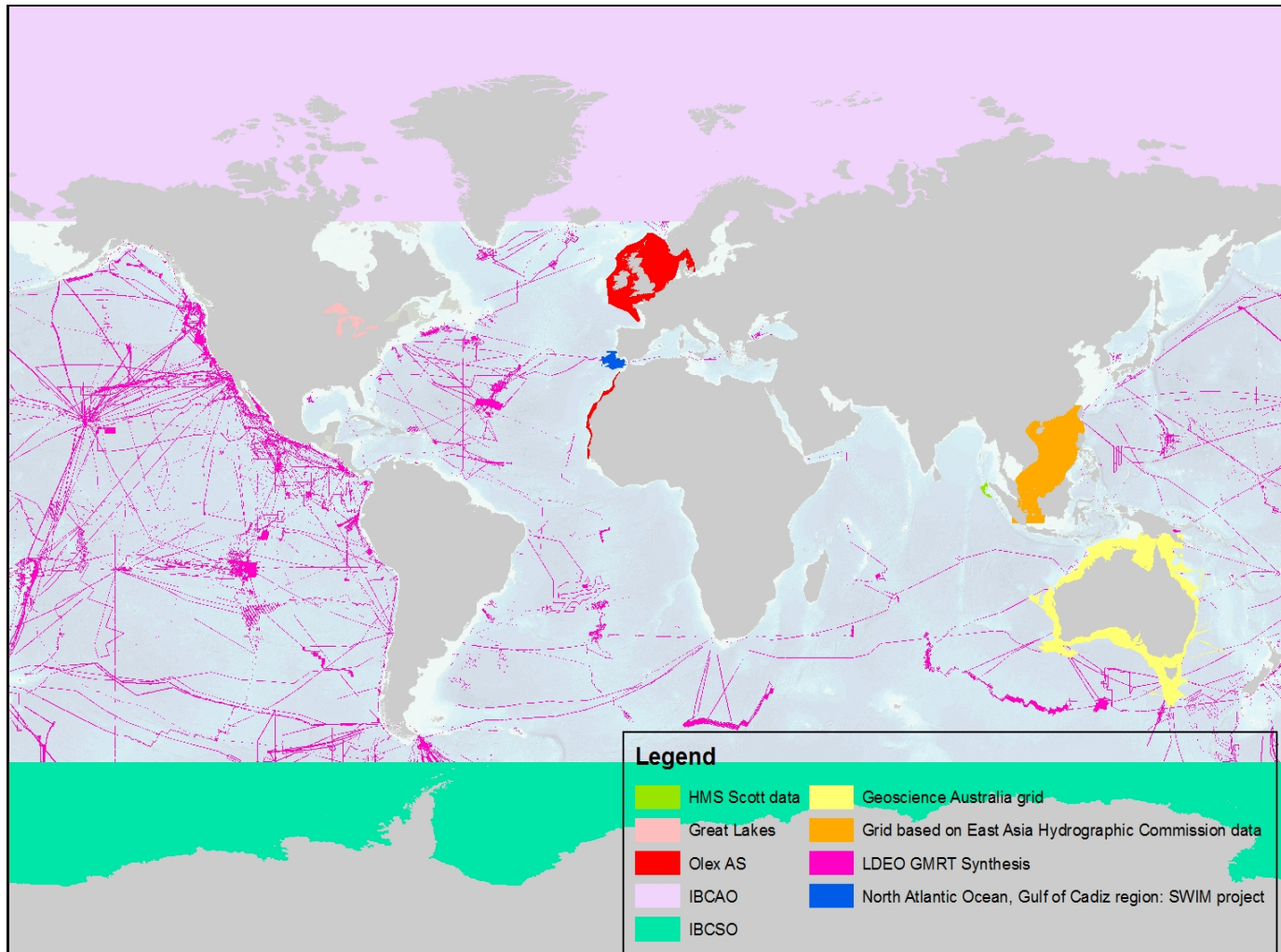
- **Status of GEBCO's global 30 arc-second interval grid**
- **GEBCO's data set and products – access statistics**
- **GEBCO's web site – access statistics**

# Status of GEBCO's global 30 arc second grid

- Work on a new release of the grid has progressed during the year
- In addition to updates reported on at last year's meeting, the following data sets have been added this year:
  - International Bathymetric Chart of the Southern Ocean (IBCSO) v1
  - Coverage of Olex data extended for the Northwest European shelf region
  - Bug fix for 'Sandy Island' in the Coral Sea area of the South Pacific

# Status of GEBCO's global 30 arc second grid

New data sets included in the updated GEBCO grid as of October 2013:

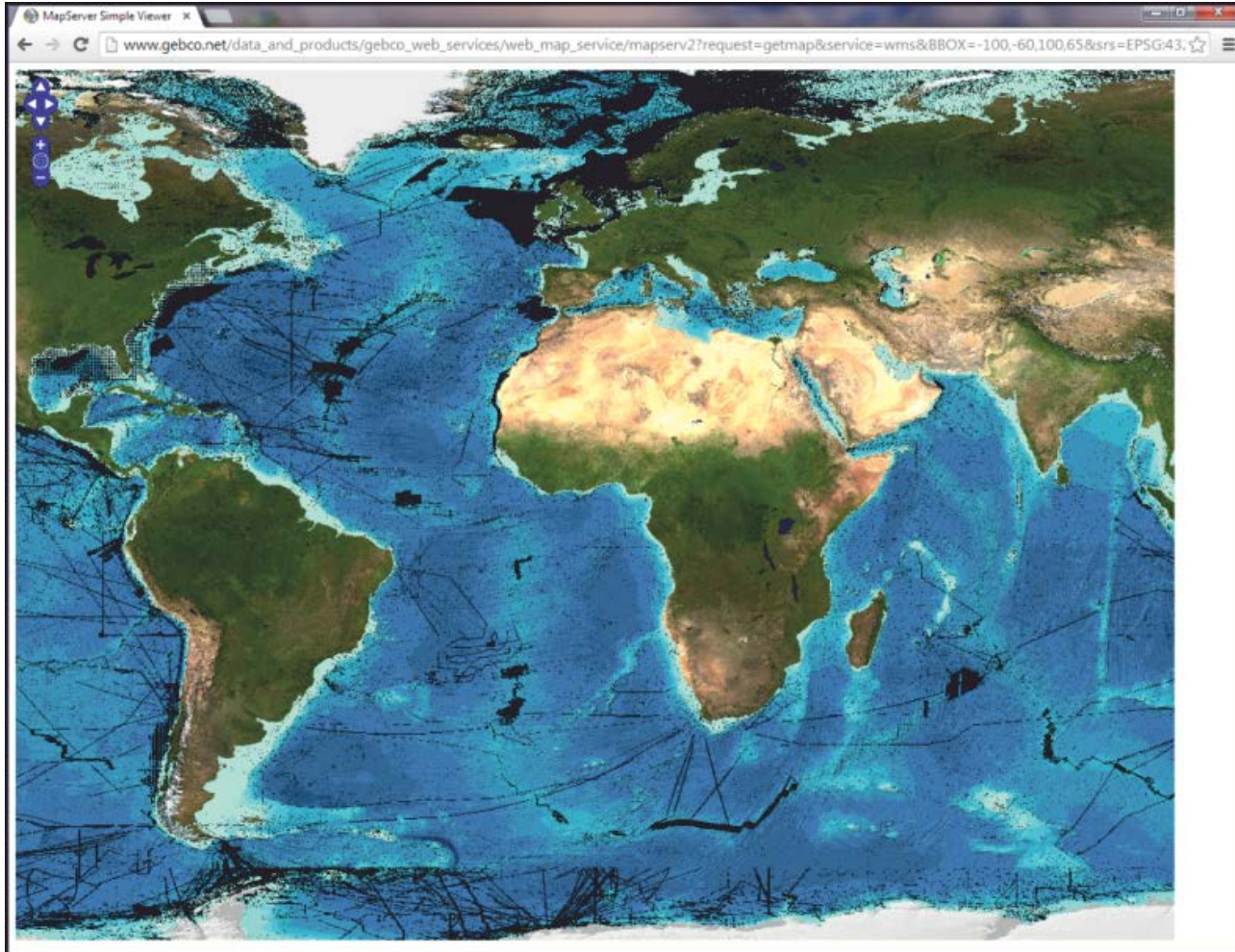




# Status of GEBCO's global 30 arc second grid

- During GEBCO's 2013 TSCOM/SCRUM meeting it was decided that if possible, the following additional data sets be included in the new release:
- EMODnet (European waters) – ([www.emodnet-hydrography.eu](http://www.emodnet-hydrography.eu))
- Baltic Sea Bathymetry Database (<http://data.bshc.pro>)
- Grid for part of the North Pacific region (from Japan)
- The aim is to receive all new data sets by 15<sup>th</sup> December 2013 and to publish the new grid at the end of January 2014 with an accompanying journal article
- It is proposed that the new grid will be called GEBCO\_2014

# Source Identifier (SID) Grid metadata work



# Source Identifier (SID) Grid metadata work

## Summary

- The population of the SID metadata fields (information on the data sets used to build GEBCO's global grid) has progressed during the year
- A mechanism for managing and delivering the SID metadata has been demonstrated through a Web Map Service (WMS)
- Once finalised, the WMS could be included on GEBCO's web site – allowing the SID grid to be viewed and queried
- Work with the Metadata Working Group to build on and progress the metadata compilation and delivery work

## **GEBCO's data set and products – access statistics**

- **Distribution of GEBCO's grids**
- **Distribution of the GEBCO Digital Atlas (GDA)**



## Distribution of GEBCO's grids

GEBCO's current global bathymetric model is the GEBCO\_08 Grid. Released in January 2009 and updated in 2010.

### **GEBCO\_08 Grid**

- Total number of downloads since its release: **25,624**
- Downloads of the global grid: **8,301**
- Downloads of user-selected sub areas of the global grid: **17,323**

### **Source Identifier Grid (released November 2009)**

- Total number of downloads since its release: **6,137**
- Downloads of the global grid: **882**
- Downloads of user-selected sub areas of the global grid: **1,004**

## **Distribution of GEBCO's grids**

### **Downloads of GEBCO\_08 since last year's meeting: 1<sup>st</sup> October 2012 to 16<sup>th</sup> September 2013**

Total number of downloads: 6,630

Full global grid: 2,196

User-selected sub-regions of the global grid: 4,434

### **Downloads of the GEBCO\_08 SID Grid since last year's meeting: 1<sup>st</sup> October 2012 to 16<sup>th</sup> September 2013**

Total number of downloads: 1,886

Full global grid: 882

User-selected sub-regions of the global grid: 1,004

### **Downloads of the GEBCO One Minute Grid since last year's meeting: 1<sup>st</sup> October 2012 to 16<sup>th</sup> September 2013**

Total number of downloads: 2,664

Full global data set: 1,260

User-selected sub-regions of the global grid: 1,404

## **Distribution of the GEBCO Digital Atlas (GDA)**

The GEBCO Digital Atlas is a collection of GEBCO's grids and bathymetric contour data sets which is made available on DVD along with a software interface for viewing and accessing the data sets.

- 102 copies of the GDA distributed since October 2012
- 48 copies sold, 54 complimentary copies including 52 to students on IODE training programmes
- Since its release in 2003, 1,586 copies of the GDA have been distributed

## Distribution of the GEBCO Digital Atlas (GDA)

Royalties contributed to GEBCO from the sale of the GDA in 2012 = **£3,900**

This makes a total of **£81,526** since the re-release of the GDA in 2003

Royalties contributed to GEBCO for the sale of the GDA per year:

Year	Amount
2003	£10,222
2004	£9,053
2005	£8,474
2006	£12,433
2007	£8,754
2008	£8,216
2009	£11,580
2010	£5,720
2011	£3,174
2012	£3,900

# Access to GEBCO's web site (www.gebco.net)

GEBCO's web site was re-launched in July 2008. It is managed at BODC on behalf of GEBCO.

BODC gratefully acknowledges the receipt of funding (5K Euro) this year for GEBCO web site maintenance work (part of the IHO funding for GEBCO work plan tasks).

The screenshot shows the GEBCO website homepage. At the top, the URL 'www.gebco.net' is visible. The main header features the GEBCO logo and the text 'General Bathymetric Chart of the Oceans'. Navigation links include 'Home', 'Contact us', 'Disclaimer', 'Privacy and cookies', and 'Search'. A secondary navigation bar contains 'About us', 'Data and products', 'Training', 'Regional mapping', 'General interest', and 'Links'. On the left, a 'Quick links' sidebar lists various resources. The main content area features a large bathymetric map of the world's oceans and a section titled 'General Bathymetric Chart of the Oceans' with descriptive text and links.

www.gebco.net

Home Contact us Disclaimer Privacy and cookies Search

# GEBCO

General Bathymetric Chart of the Oceans

About us Data and products Training Regional mapping General interest Links

**Quick links**

- Gridded bathymetry data
- GEBCO Digital Atlas
- IHO-IOC GEBCO Cook Book
- Contact us
- Training
- News and events
- GEBCO Science Day
- Committees and groups
- Meetings and minutes
- Posters and brochures
- Regional mapping projects

**News**

- GEBCO Gazetteer viewing and download web application
- NF/GEBCO students - welcome to the class of 2013/2014
- Welcome to the newly-appointed Guiding Committee members

Follow GEBCO via

The General Bathymetric Chart of the Oceans (GEBCO) aims to provide the most authoritative, publicly-available bathymetry data sets for the world's oceans.

## General Bathymetric Chart of the Oceans

The General Bathymetric Chart of the Oceans (GEBCO) consists of an international group of experts who work on the development of a range of bathymetric data sets and data products, including gridded bathymetric data sets, the GEBCO Digital Atlas, the GEBCO world map and the GEBCO Gazetteer of Undersea Feature Names. [\[more\]](#)

We are involved in training a new generation of scientists in ocean bathymetry through the Nippon Foundation/GEBCO Training Project. [\[more\]](#)

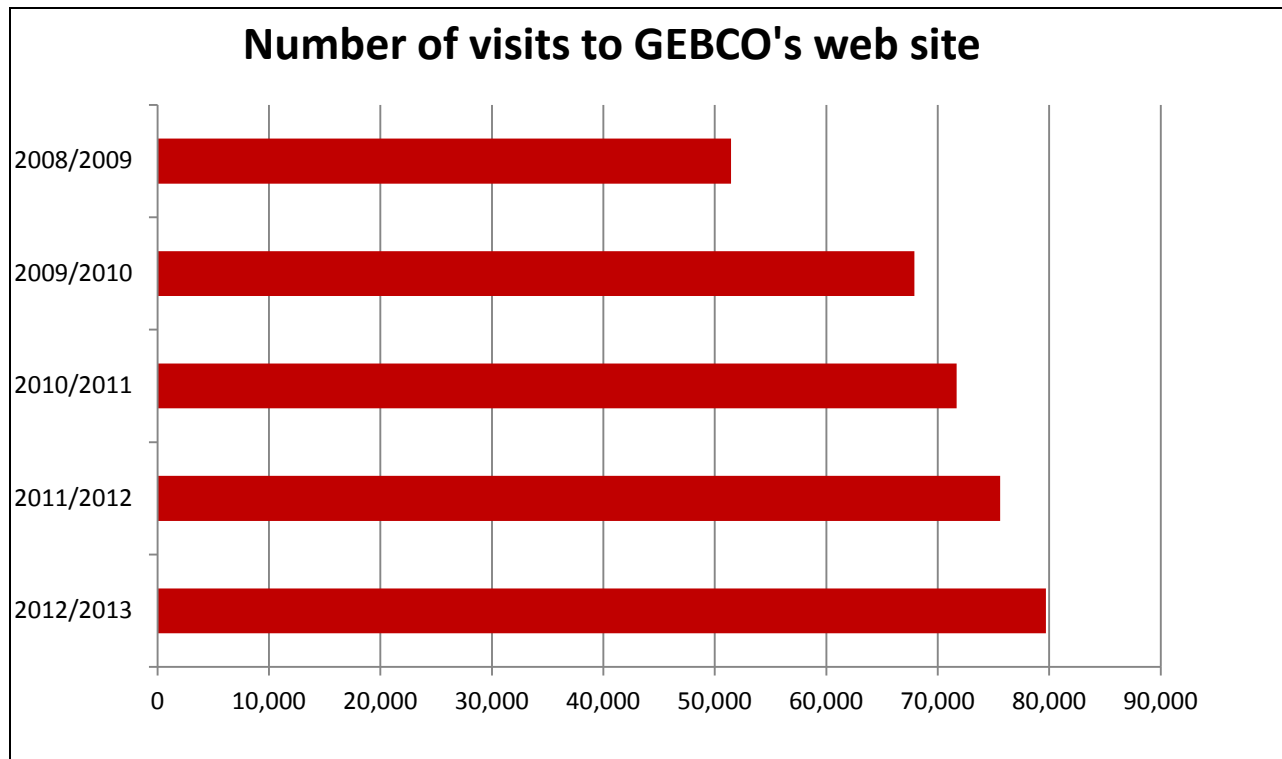
To get involved in GEBCO please [contact us](#).

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Hosted by the British Oceanographic Data Centre (BODC).



## Access to GEBCO's web site (www.gebco.net)

Since the last GEBCO meeting in October 2012 there have been over 79,700 visits to the site, viewing 243,000 pages



# Access to GEBCO's web site (www.gebco.net)

## 10 ten most popular pages visited

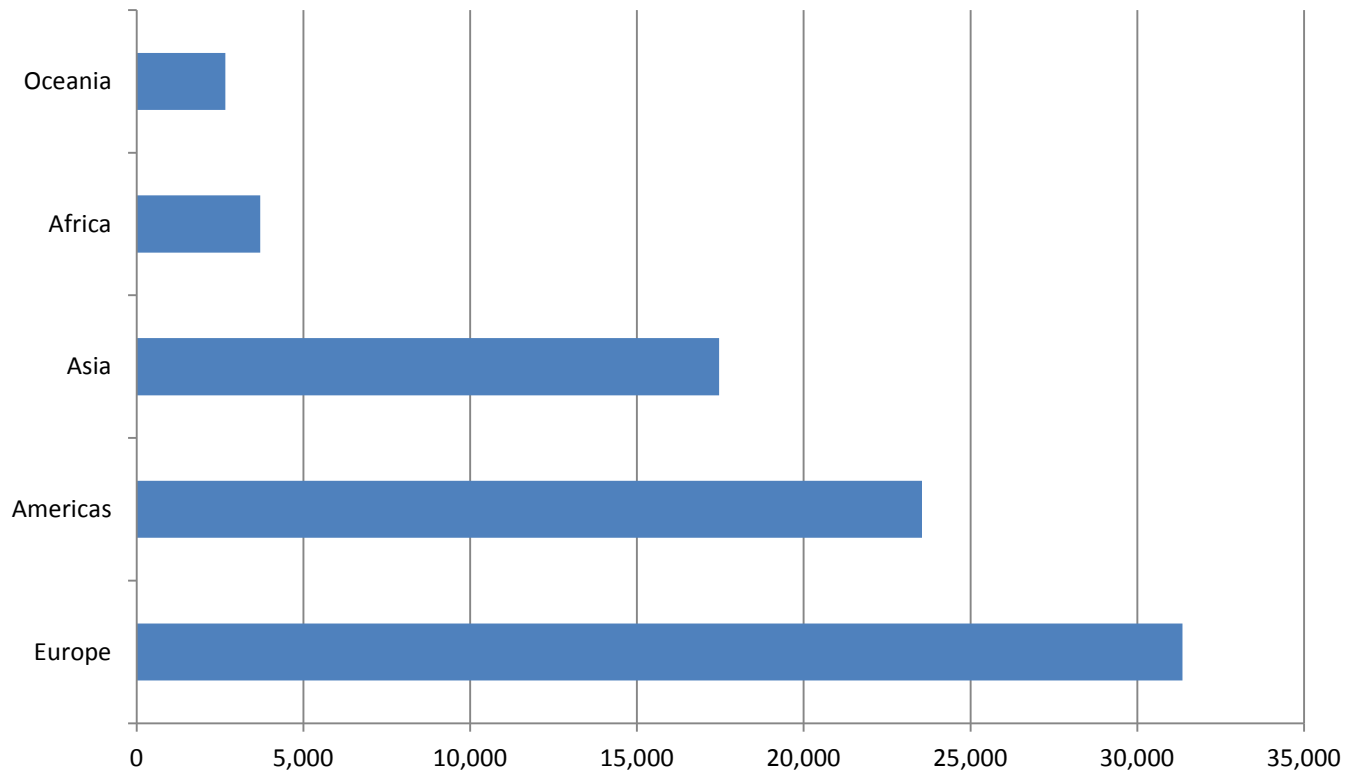
Ranking in 'top 20' for 2012/2013	Ranking in 'top 20' for 2011/2012	Page title and URL	page views (2012/2013)	page views (2011/2012)
1	1	<b>Gridded bathymetry data</b> www.gebco.net/data_and_products/gridded_bathymetry_data/index.html	40,726	37,202
2	2	<b>GEBCO home page</b> www.gebco.net /index.html	39,086	36,067
3	3	<b>GEBCO world map</b> www.gebco.net/data_and_products/gebco_world_map/index.html	27,164	29,279
4	4	<b>GEBCO Digital Atlas</b> www.gebco.net/data_and_products/gebco_digital_atlas/index.html	11,240	12,090
5	6	<b>External link to grid data download page</b> www.bodc.ac.uk/data/online_delivery/gebco/index.html	9,471	8,115
6	5	<b>GEBCO's data and products</b> www.gebco.net/data_and_products/index.html	8,855	8,527
7	12	<b>Web map service overview page</b> www.gebco.net/data_and_products/gebco_web_services/web_map_service/index.html	6,643	3,681
8	8	<b>GEBCO grid display software</b> www.gebco.net/data_and_products/grid_display_software/index.html	6,571	5,732
9	**	<b>Imagery index page</b> www.gebco.net /data_and_products/imagery/index.html	6,450	-
10	10	<b>Undersea feature names</b> www.gebco.net/data_and_products/undersea_feature_names/index.html	5,677	5,251

# Access to GEBCO's web site (www.gebco.net)

## 'Who' is accessing GEBCO's web site

the numbers per continent of IP addresses accessing GEBCO's web site.

### Number of pages visited 2012/2013

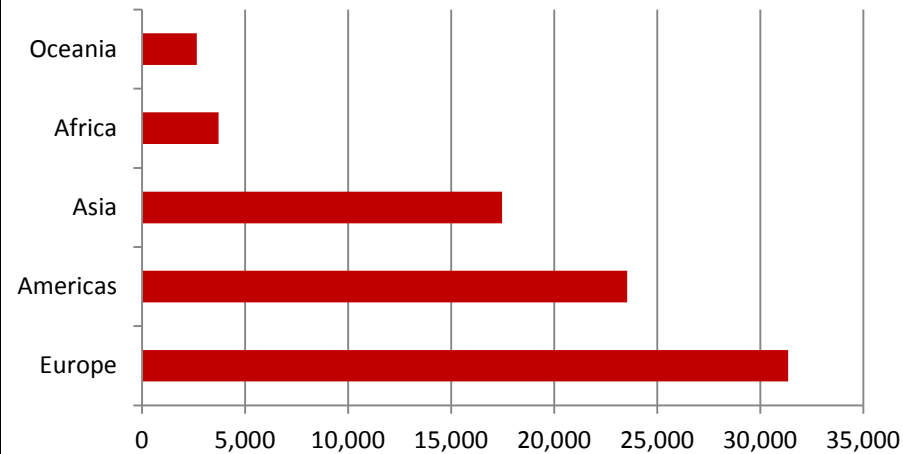


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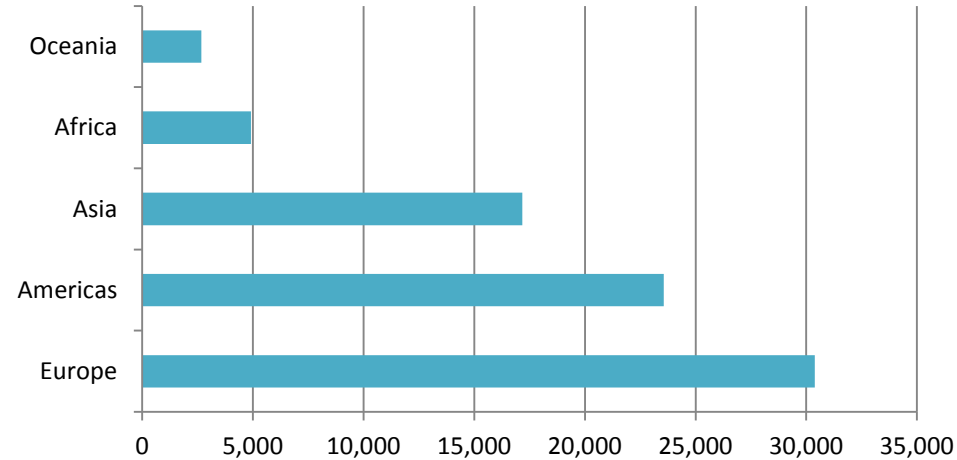
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## Access to GEBCO's web site ([www.gebco.net](http://www.gebco.net))

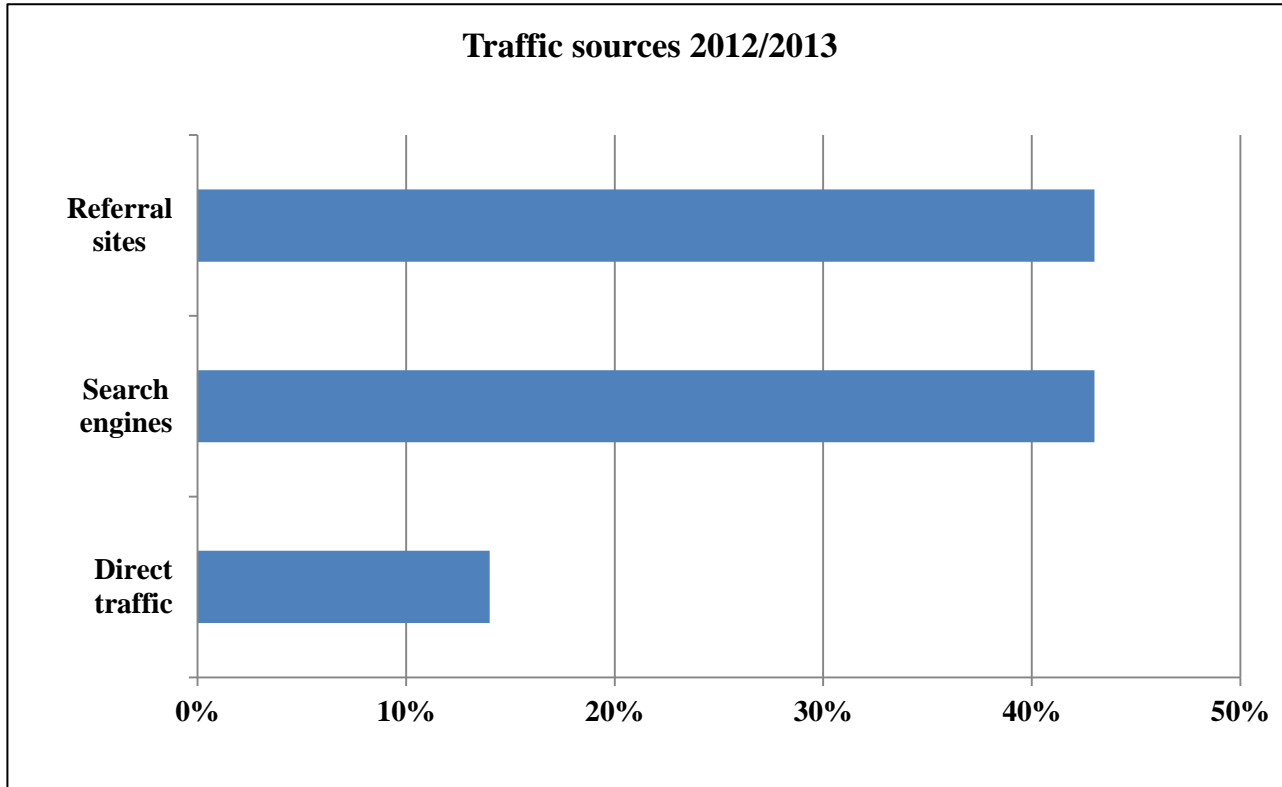
### Top 10 visits by individual countries

ranking in 'top 20' for 2012/2013	ranking in 'top 20' for 2011/2012	Country / Territory	Number of visits to site in 2012/2013	Number of visits to site in 2011/2012
1	1	United States	15,818	14,644
2	2	United Kingdom	7,698	7,885
3	4	France	4,145	3,075
4	3	Germany	3,373	3,618
5	5	India	2,804	2,880
6	9	Spain	2,572	1,993
7	6	Canada	2,535	2,395
8	8	Japan	2,529	2,076
9	13	Indonesia	2,245	1,638
10	10	Italy	2,236	1,770



# Access to GEBCO's web site (www.gebco.net)

## Traffic sources – how people are finding our web site

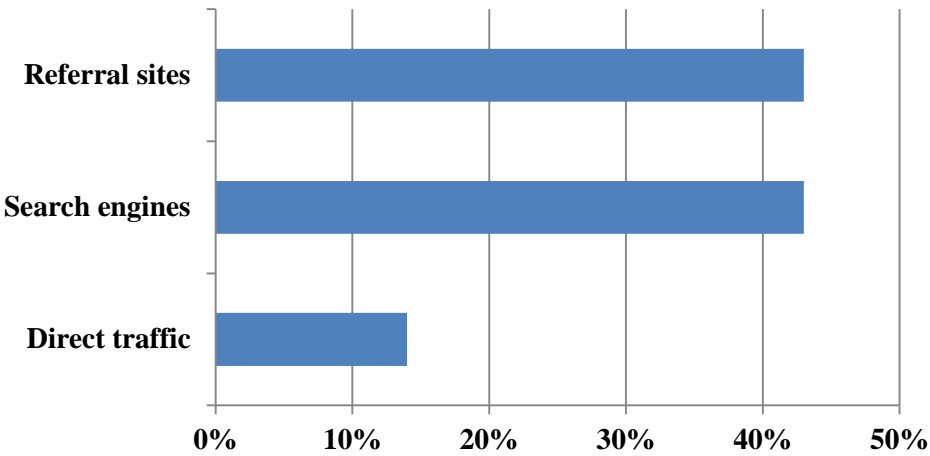


Direct traffic	The user has entered the URL of a GEBCO web page directly
Search engines	Web pages found by searching using a keyword in a search engine such as Google or Yahoo etc.
Referral sites	Web page found by following a link from another web site

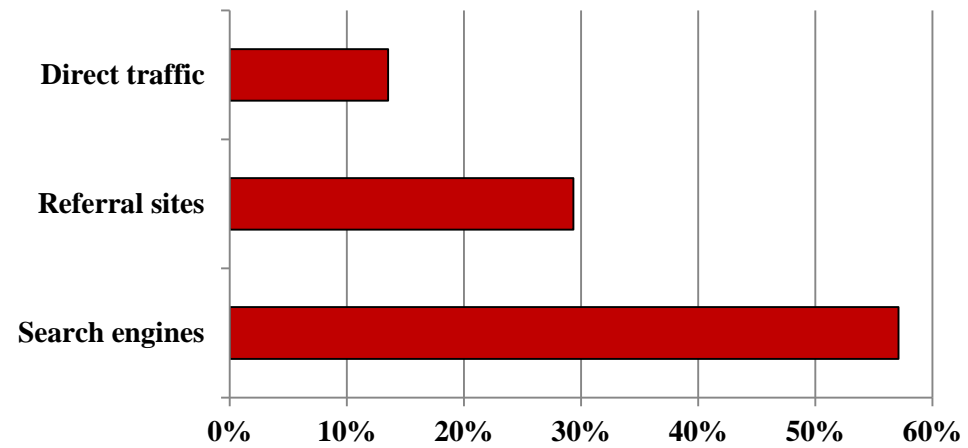
# Access to GEBCO's web site (www.gebco.net)

## Traffic sources – how people are finding our web site

Traffic sources 2012/2013



Traffic Sources 2011/2012



## Access to GEBCO's web site (www.gebco.net)

### Traffic sources – how people are finding our web site

Ranking in 'top 15' for 2012/2013	Ranking in 'top 15' for 2011/2012	Source / Medium	Visits (2012/2013)	Pages / visit (2012/2013)
1	1	google / organic	39,156	3.08
2	2	(direct) / (none)	11,989	2.97
3	3	ngdc.noaa.gov / referral	3,275	4.37
4	*	worldmapfinder.com / referral	2,318	1.33
5	4	google.com / referral	1,920	1.68
6	6	iho.int / referral	1,162	4.11
7	5	en.wikipedia.org / referral	1,024	4.01
8	*	marineregions.org / referral	965	3.35
9	10	openseamap.org / referral	831	4.57
10	12	google.co.uk / referral	759	1.51

## GEBCO on Facebook

- GEBCO's Facebook page ([www.facebook.com/GEBCO](http://www.facebook.com/GEBCO))
- During the year we have posted 17 news items to GEBCO's Facebook page.
- There have been 317 likes of these pages compared with 233 likes for the previous year.

**Thank you**