

## 1.1. IHO-IOC GEBCO Guiding Committee (GGC) Work Plan 2020-2021

### 1.1 GGC Tasks

- A Organise and conduct GGC XXXV meeting in 2018 (IHO Task 3.6.1)
- B Ensure conduct of TSCOM, SCRUM and SCUFN meetings in 2018 (IHO Tasks 3.6.1)
- C Ensure effective operation of IHO DCDB (IHO Task 3.6.2)
- D Encourage the contribution of bathymetric data to the IHO DCDB (IHO Task 3.6.3), identify priority areas for regional mapping (IHO Task 3.6.3) and promote data contribution through GEBCO participation in [RHGs-IHO/IOC Regional](#) meetings (IHO Task 3.6.3)
- E Maintain IHO bathymetric publications (IHO Task 3.6.6) including: B-4, B-6, B-8, B-9, B-10 and B-411
- F Develop the on-line function of B-4 (Information concerning recent bathymetric data) (IHO Task 3.6.2)
- G Contribute to outreach and education about ocean mapping (IHO Task 3.6.7) by development of outreach and educational materials (IHO Task 3.6.7) and printing of IHO-IOC GEBCO World Map (IHO Task 3.6.7)
- H Ensuring IHO-IOC GEBCO Web site is kept current and updated regularly (IHO Task 3.6.8)
- I Develop short course and course material on compiling digital bathymetric models (DBMs) to be included in GEBCO from a heterogeneous bathymetric source database (IHO Task 3.6.9)
- J Update and enhance the GEBCO Gazetteer (B-8) for internet access (IHO Task 3.6.10) including providing the GEBCO Gazetteer as a web service via a geospatially enabled database (IHO Task 3.6.10), develop and make available public and management on-line interfaces to the Gazetteer (IHO Task 3.6.10) and develop the integration of undersea feature concepts in the S-100 framework
- K Liaise with and provide support to Seabed2030 project (IHO Task 3.6.5)
- [L Provide support and advice to developing and validating emerging technologies for compiling and disseminating bathymetry](#)

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	Approved Funding (€)
A	Organise and conduct GGC XXXV meeting	H		<del>2019</del> 2020	<del>2019</del> 2020	P	Chair GGC Sec		0	0

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	Approved Funding (€)
B1	Ensure conduct of TSCOM, SCRUM, <u>SCOPE</u> and SCUFN meetings	H		<del>2019</del> 2020	<del>2019</del> 2020	P	Chair GGC, Chair, TSCOM, Chair SCRUM, <u>Chair SCOPE</u> and Chair SCUFN		0	0
B2	Oversee work of subordinate bodies – TSCOM, SCRUM, SCUFN and Outreach WG – for completion of directed tasks	H		Continuous	Continuous	O	Chair GGC		0	0
C	Ensure effective operation of IHO DCDB	H		Continuous		O	Director DCDB		0	0
D1	Encourage the contribution of bathymetric data to the IHO DCDB  <a href="#">Document data flow processes</a>	H  H	  <a href="#">B-11 instructional chapter</a>	Continuous  <a href="#">Continuous</a>		O  <a href="#">O</a>	All members of GEBCO GC through the Chair  <a href="#">Chair TSCOM, Director DCDB, Director Seabed 2030</a>		0	0

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	Approved Funding (€)
D2	Identify priority areas for regional mapping and support the organization of regional mapping projects.  <a href="#">Conduct DCDB Industry Day and Data Contribution Workshop</a>	H  H	  <a href="#">Conduct Workshop</a>	Continuous  <a href="#">2020</a>	  <a href="#">2020</a>	O  P	Chair SCRUM  <a href="#">Chair TSCOM, Director DCDB</a>		0  <a href="#">30,000</a>	0
D3	Promote data contribution through GEBCO participation in RHCs and IOC regional meetings	H	Identify GEBCO people who are able to attend for meetings in 2019 – 2020	Continuous		O	All members of GEBCO GC through the Chair		<a href="#">15,000</a>	
D4	Organize regional mapping meetings/workshops  <a href="#">Promote data contribution by supporting participation at Regional Mapping MeetingsSupport participation at regional mapping meetings</a>	H  H	  Provide partial support, as necessary, for individuals to participate in regional mapping meetings	Continuous  Continuous		O  P	Chair SCRUM  Chair SCRUM		0  <a href="#">40,000</a>	0

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	Approved Funding (€)
D5	Develop material to highlight activities and initiatives <a href="#">including up to date GEBCO slide deck</a>	H		Continuous		P	Chair SCRUM <a href="#">in coordination with Chair SCOPE and with input from Seabed 2030</a>	<a href="#">Coordinated with Chair OWG</a>	10,000	
E1	Maintain IHO bathymetric publications	M	Update GEBCO global 30 arc-second grid with new compilations	Continuous	Continuous	O	All members of GEBCO GC through the Chair	B-4 - Information concerning recent bathymetric data	0	0
		M	Update GEBCO World Map to included updated versions of GEBCO grid and adopted undersea feature names from SCUFN.	2016	<del>2017</del> 2019	O	Chair SCRUM	B-9 - GEBCO digital atlas	0	0
		M		2017	<del>2018</del> <del>2019</del> <u>2018</u> <u>2021</u>	O	Chairs SCRUM/SCUFN	B-6 – Standardization of undersea feature names B-8 - Gazetteer B-9 - GEBCO digital atlas	0 0 0	0 0 0
		L						B-10 - The history of GEBCO	0	0
		M						B-11 - GEBCO Cookbook	0	0

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	Approved Funding (€)
E2	<a href="#">Add and update instructive chapters in IHO-IOC GEBCO Cook Book</a>	H	<a href="#">Maintain B-11</a>  <a href="#">2019 B-11 update</a>  <a href="#">Add section related to Seabed 2030</a>  <a href="#">Investigate e-Publication format for B-11</a>  <a href="#">Seek instructive chapters on contributing data, metadata requirements, platforms for viewing gaps and coverage, CSB, etc.</a>  <a href="#">Request the GGC to endorse the proposal to convert B-11 into an e-Publication format</a>	<a href="#">Continuous</a>  <a href="#">2018</a>  <a href="#">2019</a>  <a href="#">2019</a>  <a href="#">2019</a>	<a href="#">2019</a>  <a href="#">2020</a>  <a href="#">2020</a>  <a href="#">2020</a>	<a href="#">O</a>  <a href="#">C</a>  <a href="#">O</a>  <a href="#">P</a>  <a href="#">O</a>  <a href="#">P</a>	<a href="#">Chair TSCOM</a> <a href="#">Chair, Cookbook</a> <a href="#">Working Group</a>	<a href="#">B-11 GEBCO Cookbook</a>	<a href="#">4,000</a>	

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	Approved Funding (€)
F	Develop <u>and review</u> the on-line function of B-4	M	<u>Conduct review</u>	2015	On going		Director DCDB		0	0
G1	Contribute to outreach and education about ocean mapping	H		Continuous		O	Chairs TSCOM, SCRUM and <u>Outreach WGSCOPE</u>		2,000 (2020) 2,000 (2021)	
G2	Development of outreach and educational materials (jigsaw puzzle for World Map and presentation files)	H		2015	2018	P	All members of GEBCO GC through the Chair <u>Outreach WGSCOPE</u>		3,000 (2020) 3,000 (2021)	
<u>G3</u>		<u>H</u>	<u>PPT material with updated content and PR activities</u>	<u>2019</u>	<u>2025</u>	<u>O</u>	<u>Chair SCOPE</u>			
			<u>Development of story board</u>	<u>2019</u>	<u>2025</u>	<u>O</u>	<u>David Millar, Karen Marks, Eunmi Chang, Hyo Hyun Sung, Jennifer Jencks</u>		2,000 (2020) 2,000 (2021)	
			<u>Promotional activities such as participation in conferences and fora</u>	<u>2020</u>	<u>2025</u>	<u>P</u>	<u>SCOPE members</u>		2,000 (2020) 2,000 (2021)	
G4	Development of webpage (for secondary school student etc.)	M		2015	<del>2018</del> 2020	O	All members of GEBCO GC through the Chair <u>Outreach WGSCOPE</u>		2,000	

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	Approved Funding (€)
G5	Developing a communication strategy and resources in GEBCO outreach ( ex- Poster or video for each target)	H	<a href="#">Draft strategy plan</a>	2018	2020	O	All members of GEBCO GC through the Chair <a href="#">Outreach WGSCOPE</a>	See OWG WP 2019-2020	0	0
H1	Ensuring IHO-IOC GEBCO <a href="#">and Seabed 2030</a> Web sites <a href="#">isare</a> kept current and updated regularly	M	<a href="#">Complete individual tasks</a>	Continuous		O	BODC, <a href="#">Chairs TSCOM/SCRUM/SCOPE</a>		5,000	5,000
<a href="#">H2</a>	<a href="#">Update printed GEBCO map</a>	<a href="#">L</a>	<a href="#">Complete and document update of new GEBCO world map</a>	<a href="#">Continuous</a>	<a href="#">Continuous</a>	<a href="#">O</a>	<a href="#">Chair TSCOM</a>			

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	Approved Funding (€)
H3	<a href="#">Review and Update IHO-IOC GEBCO and Seabed 20230 Websites</a>	M	<a href="#">Update website with meeting documents</a>  <a href="#">Validate members and contact information for SCRUM, TSCOM, and SCOPE</a>  <a href="#">Review and maintain all working links</a>  <a href="#">Provide technical and content review of both websites</a>	<a href="#">2019</a>  <a href="#">2019</a>  <a href="#">2019</a>  <a href="#">2019</a>	<a href="#">2020</a>  <a href="#">2020</a>  <a href="#">2020</a>  <a href="#">2020</a>	P  P  P  P	<a href="#">BODC</a>  <a href="#">Chairs TSCOM, SCRUM, SCOPE</a>  <a href="#">Chair TSCOM, BODC</a>  <a href="#">Chairs TSCOM, SCRUM, SCOPE</a>			
I4	<del>Add instructive chapters in IHO-IOC GEBCO Cook Book related to Seabed 2030 as needed</del>	M	<del>Provide technical support</del>	<del>2019</del>	<del>2030</del>	P	<del>Chair-TSCOM</del>	<del>B-11-GEBCO Cookbook</del>	<del>0</del>	<del>0</del>
I2	Develop short course and supporting material on compiling digital bathymetric models	H		2019	2021	P	All members of GEBCO GC through the Chair <del>Outreach WGSCOPE</del>		0	0



Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	Approved Funding (€)
J1	Update and enhance the GEBCO Gazetteer (B-8) for internet access	H		Annual	Annual	O	Chair SCUFN	B-8 – Gazetteer	15,000 /year	Funded out of IHO Operational funds
J2	Maintain the GEBCO Gazetteer as a web service via a geospatially enabled database	H		2016	Permanent	O	Chair SCUFN Director DCDB	B-8 – Gazetteer	(See Doc. SCUFN32-07.1B). Funding for correcting and basic maintenance agreed by US. Need to keep it maintained.	
J3	Develop and make available public and management on-line interfaces to the Gazetteer	M		2014	<del>2018</del> 2022	O	Chair SCUFN KHOA	B-8 - Gazetteer <a href="#">Management Plan</a>	0	0
J4	Develop a S-100-based product specification for Undersea Feature Names	M / L		2015	2019	O	Chair Project Team ( <a href="#">Anna HendiRowena Orek</a> )	S-100, B-6 Harmonized definitions of generic terms across B-6, S-32, IHO GI Registry	0	0

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs/Standard	Funding Bid (€)	Approved Funding (€)
J5	Upgrade the quality of the geometry of major existing undersea features in the Gazetteer which are known as being inaccurate and ambiguous	M	10 features/ SCUFN member per year	2017	Permanent	P	SCUFN Members	B-8 Gazetteer	0	0
K1	Support Seabed2030	H	Provide scientific expertise, regional connections and outreach	2018	2030	PO	Chairs TSCOM, SCRUM, OutreachWGSCOPE, SCUFN	See TSCOM and SCRUM WPs 2019-2020	0	0
K2	<a href="#">Travel to assist gathering technical needs from RDACCs and GDACC</a>	H	<a href="#">Attend RMCs for RDACCs</a>	<a href="#">2019</a>	<a href="#">2020</a>	<a href="#">O</a>	<a href="#">Chair TSCOM</a>		<a href="#">12,000</a>	
<a href="#">L1</a>	<a href="#">Prototype cloud-deployed infrastructure for integrating distributed regional data contributions</a>	H		<a href="#">2019</a>	<a href="#">2020</a>	<a href="#">P</a>			40,000 with the option for an additional 10,000	
<a href="#">L2</a>	<a href="#">Develop template for seafloor mapping route optimization application</a>	H	<a href="#">Conduct requirements survey</a>  <a href="#">Prototype and document web app</a>	<a href="#">2019</a>	<a href="#">2020</a>	<a href="#">P</a>	<a href="#">Chair TSCOM</a>		<a href="#">20,000 with the option for additional 10,000</a>	

## 1.2 GGC Meetings (IHO Task 3.8.1.1 refers)

<b>Date</b>	<b>Location</b>	<b>Activity</b>
1-4 October 2012	IHB, Monaco	XXIX <sup>th</sup> Meeting
7-11 October 2013	Venice, Italy	XXX <sup>th</sup> Meeting
13-15 June 2014	IHB, Monaco	XXXI <sup>th</sup> Meeting
5-9 October 2015	Kuala Lumpur, Malaysia	XXXII <sup>th</sup> Meeting
10-14 October 2016	Valparaíso, Chile	XXXIII <sup>th</sup> Meeting
13-17 November 2017	Busan, Korea	XXXIV <sup>th</sup> Meeting
5-9 November 2017	Canberra, Australia	XXXV <sup>th</sup> Meeting
7-8 November 2019	Portsmouth, NH, USA	XXXVI <sup>th</sup> Meeting

Chair: Shin Tina

Vice-Chair: Martin Jakobsson

Secretary: David Wyatt

Email: [soarhigh@mac.com](mailto:soarhigh@mac.com)

Email: [Martin.Jakobsson@geo.su.se](mailto:Martin.Jakobsson@geo.su.se)

Email: [adso@iho.int](mailto:adso@iho.int)