

INTERNATIONAL SEMINAR ON UNITED NATIONS GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

Partnerships, capacity development and advocacy for integrated marine geospatial information management

Capacity Building Challenges and Initiatives

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CBSC Secretary



SUMMARY

- CB and the Marine Geospatial Information
- CB objectives
- CB activities
- Partnerships to share resources and expertise
- Revised CB Strategy
- New initiatives

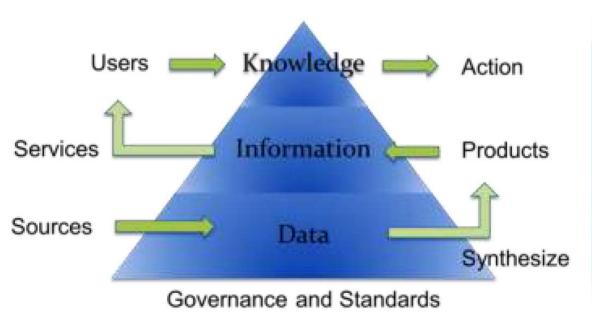


CAPACITY BUILDING AND MARINE GEOSPATIAL INFORMATION

Source C-17

International Hydrographic Organization

Hydrographic data and information is acquired, managed, manipulated, and disseminated primarily by Hydrographic Offices (HOs).







CB OBJECTIVE

International Hydrographic Organization

Contribute to the creation of capacities to a sustainable development



- Continuously assesses the status of hydrographic surveying, nautical charting and maritime safety information worldwide (CB Phases)
- Close relationships with national agencies and international organizations
- Cooperates with Regional Hydrographic Commissions

Coastal State/Territory	NH[C]C	Phase 1	Phase 2	Phase 3	Last TV
Albania	1	3	2/3	2/3	2016
Algeria	0	3	4	2/3	-
Bulgaria	1	4	2	3	N/A
Croatia	1	4	4	4	N/A
Cyprus	2	2	3	2	1999
Egypt	0	4	4	2/3	
France	2	4	4	4	N/A
Georgia	2	2	2	2	2018
Greece	1	4	4	4	N/A
Israel	1	4	2	2	2014
Italy	2	4	4	4	N/A
Lebanon	1	1	1/3	1/3	2019
Libya	-1	-1	-1	-1	
Malta	1	2	2	2	N/A
Monaco	0	3	3	3	N/A
Montenegro	0	2	2	2	2016
Morocco	0	3	3	3	-
Palestinian Authority	-1	-1	-1	-1	- 3
Romania	1	2	2	2	2008
Russian Federation	2	4	4	4	N/A
Serbia	0	2	2	2	2
Slovenia	0	4	4	4	N/A
Spain	2	4	4	4	N/A
Syrian Arab Republic	-1	-1	-1	-1	-
Tunisia	1	2	2	2/3	N/A
Turkey	2	4	4	4	N/A
Ukraine	1	4	4	4	N/A



CB PHASES

International Hydrographic Organization







Phases of Development

Phase 0

Raise awarness



Phase 1

Collection and circulation of nautical information, necessary to maintain existing charts and publications up to date



Phase 2

Creation of a surveying capability to conduct:

- Coastal projects
- Offshore projects



Phase 3

Produce paper charts, ENC and publications independently



CB LONG TERM OBJECTIVES

- Phase 1 for all Countries with navigable waters;
- National plan for Phase 2 and 3;
- Develop 'country profiles' to measure the state of hydrography in every coastal state.





PRIORITY SETTINGS

International Hydrographic Organization Evaluation of the RHC's submissions (procedure 4):

- Phase 1, 2 and 3;
- Number of States that benefitted;
- External funding;
- Neediness, according to the GDP;
- Priority within RHC;
- Potential for success from the IHO viewpoint;
- Discount for recent similar activities;
- General importance of CB in the region.







CBSC ACTIVITIES

International Hydrographic Organization

Broad variety of activities:

- High level visits
- Technical visits
- Training
- Education
- Technical assistance
- Involvement in comprehensive projects

INTERNATIONAL HYDROGRAPHIC ORGANIZATION Adopted 2021 CBWP

No.	Events	Responsible	Budget	Status	Resources
P-01	ROK Category "A" Programme	Secretariat	93,495 €	Led by USM, Hattiesburg, USA 1 August 2021-1 August 2022 DONE	ROK
P-01A	ROK Category "A" Programme (Delayed from 2020)	Secretariat	46,747 €	Led by USM, Hattiesburg, USA 1 August 2021-1 August 2022 DONE	ROK
P-02	ROK Category "B" Hydrographic Surveying Program	Secretariat	338,603 €	Led by KHOA, Busan, ROK July-December 2021	ROK
P-03	IHO-NF GEOMAC (Geospatial Marine Analysis and Cartography)	Secretariat	298,866 €	POSTPONED TO 2022	Nippon
P-03A	IHO-NF GEOMAC (Geospatial Marine Analysis and Cartography) Delayed from 2020	Secretariat	265,291 €	POSTPONED TO 2022	Nippon
P-04	Training for Trainers - Basic Hydrography	Secretariat	80,943 €	Led by KHOA, Busan, ROK July 2021 DONE	ROK
P-05	Webinair on Using AI as Sonar Noise Classifier	MBSHC	0 €	Led by Turkish Navy-Office of Navigation, Hydrography and Oceanography 22 NOV21	.5
P-06	MSI Regional Workshop	SWPHC	34,400 €	POSTPONED TO 2022	IHO
P-07	Technical Workshop on Hydrographic Governance	SWPHC	33,500 €	POSTPONED TO 2022	IHO
P-08	MSI (training on establishment of MSI structure and basic MSI procedure)	NIOHC	22,120 €	POSTPONED TO 2022	IHO
P-09	MSI Course (from 2020 P-37 with updated costing)	SAIHC	20,580 €	POSTPONED TO 2022	IHO
P-10	S-100 seminar on the future of hydrographic products and services	EAtHC	20,000 €	CANCELED	IHO
P-11	Raising awareness workshop on S-100/S-101	RSAHC	14,940 €	POSTPONED TO 2022	IHO
P-12	Seminar on Raising Awareness of Hydrography	SWAtHC	3,160 €	POSTPONED TO 2022	IHO
P-13	Seminar on Raising Awareness of Hydrography	NIOHC	17,250 €	POSTPONED TO 2022	IHO





TYPICAL FUNDED ACTIVITIES

International Hydrographic Organization

Some examples **Phases Source of Funds** of activities

Training

Workshops

Seminars

etc

Non earmarked:

IHO

Other MS

Phase 0

Phase 1

Phase 2

Phase 3

High level visits **Technical visits**

MSI Courses **Seminars** Workshops

ROK Hydrography Cat A - USM ROK Hydrography Cat B course ROK TFT courses Hydro/Carto

Nippon Foundation GeoMAC course - UKHO

ROK

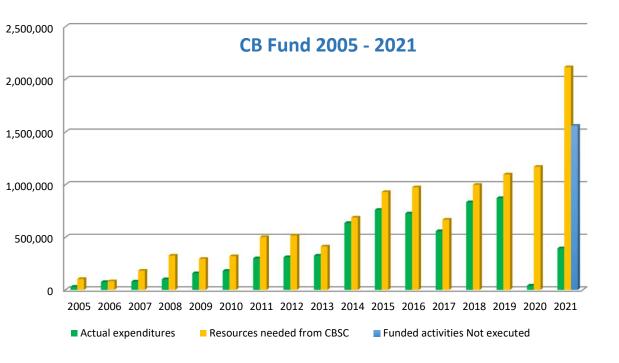
Earmarked:

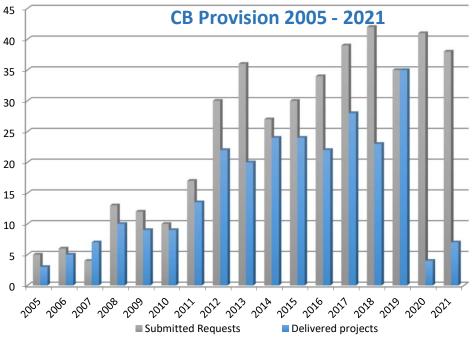
ROK

Nippon F.



CBSC ACTIVITIES







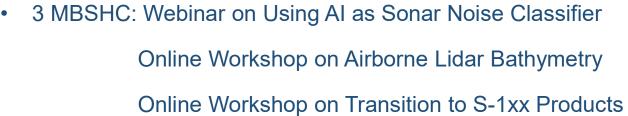
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International Hydrographic Organization

CBSC ACTIVITIES

2021 Executed:

- 2 TV Ivory Coast and Congo
- 2 ROK 3 students at USM Hydrography Cat A and
 23 Training for Trainers Basic Hydrography







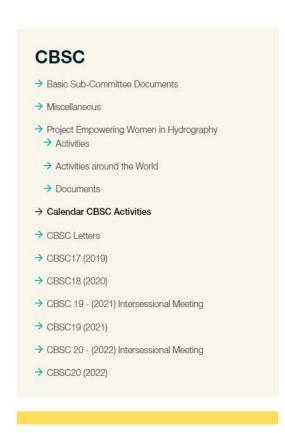




CALENDAR CBSC ACTIVITIES

International Hydrographic Organization

Share resources and expertise through partnerships is essential



HOME > CBSC > CALENDAR CBSC ACTIVITIES

Calendar CBSC Activities

Capacity Building Calendar where the relevant remote activities of the Regions (Seminars, workshops and courses) could be advertised to provide more publicity and allow Members from other regions to participate.





PARTNERSHIPS



















REVISED CB STRATEGY

- CB created a Strategy Project Team to revise the CB Strategy
- To define the context and the processes that will lead to improving global hydrographic capability, capacity, training, science, data management, and techniques.
- PT conducted a Gap analysis between new IHO Strategy and the CB strategy identifying three work items:
 - Draft aligned CB strategy
 - Update phases of development (to include a phase 0 on governance)
 - Add a 5th step to the process of the CB Strategy (Awareness; Assessment; Analysis;
 Action) to address Measures of Effectiveness (MoE)





IHO E-LEARNING CENTER

International Hydrographic Organization

- The IHO Assembly endorsed the installation of an IHO e-Learning Center
- Main reasons include the recognition of:
- The importance and potential of the e-Learning
- The incrementation of the e-Learning during and post-pandemic

- The initiative from Republic of Korea to establish and support an IHO e-

Learning Center





IHO E-LEARNING CENTER

International Hydrographic Organization

https://elearning.iho.int/



about courses events documentssupport

Login Sign up EN ▼





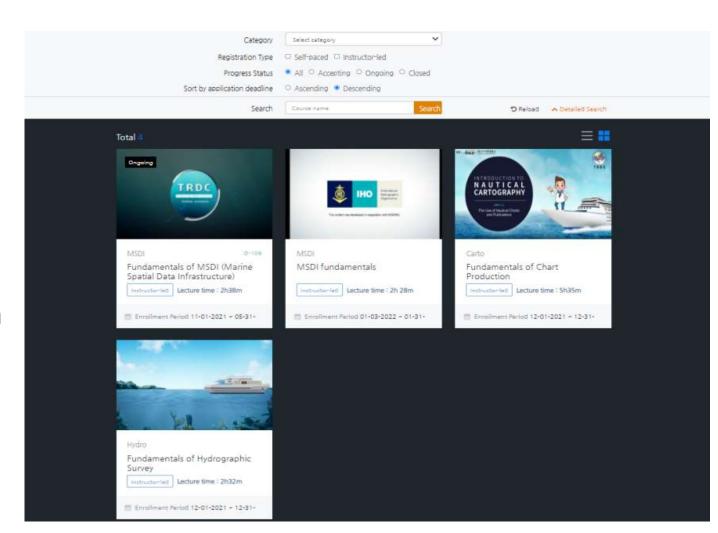
IHO E-LEARNING CENTER

International Hydrographic Organization

- > Start the tests
- Necessary contents

4 e-Learning courses are loaded:

- 1 Hydrographic Surveying
- 1 Cartographic Production
- 2 MSDI





EMPOWERING WOMEN IN HYDROGRAPHY

International Hydrographic Organization The 2nd Session of the IHO Assembly (A-2) approved the adoption of a new work item of Empowering Women in Hydrography (EWH) to the Work Programme of the IHO CBSC



 The goal is to initiate, organize and track a series of activities and initiatives which will enable more women to participate equitably in the field of hydrography

and to assume more leadership roles within the

hydrographic community.





EMPOWERING WOMEN IN HYDROGRAPHY

International Hydrographic Organization



UN DECADE OF THE OCEAN

#14: Conserve and sustainably use the oceans, seas, and marine resources

#5: Gender equality, Ensure women's full and effective participation and equal opportunities for leadership at all levels of decision making in political, economic and public life















FIRST YEAR ACHIEVEMENTS

- Kick-off meeting (33 participants from 16 countries)
- •1 internships on the outreach of the EWH project, in the IHO office
- •3 internships related with the review process of submitted programmes to the IBSC, with in-person participation on the IBSC45 Meeting.
- •3 at-sea experiences made available by NOAA.
- Submission to the 'Call for Decade Actions No. 02/2021' as part of the United Nations Decade of Ocean Science for Sustainable Development
- Webinar on Gender-balance and empowering leaders
- Women role-models interviews among volunteer women from all position in the hydrographic community









Thank you

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