

Capacity Building Report

by

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Overview

1. CBSC21
2. Assembly 3
3. Current IHO Opportunities
4. MACHC CB Update
5. MACHC CB Workplan and proposal



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1. CBSC21 & CBSC21 Intersessional Meetings

CBSC21 Intersessional Meeting VTC, 13 March 2023 &
CBSC21 Meeting 7-9 June 2023, Tokyo, Japan.

- Increase in the number of activities completed in the past year.
- Agreed funded activities not completed would be carried into the 2023 Workplan due to the backlog that is still evident.
- Key items discussed were the updates by the project teams and the outcomes from A-3



1. CBSC Project Groups update

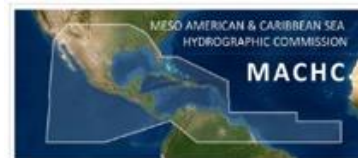
Empowering Women in Hydrography The final year of the current 3-year funded programme

- Dedicated webpage <https://iho.int/en/basic-cb-sc-ewh>
- Activities to date
 - Webinar held 7 March 2022
 - Internship at the IHO, Monaco (EWH Outreach)
 - 3 internships with the IBSC
 - Attendance at A-3
 - opportunities with NOAA and IC-ENC - Ms. Juliane Affonso (Brazil) selected for the IC-ENC secondment.
 - Mentoring Programme
 - CL40/2023 and 41/2023 - Shom opportunities
- Member States are encouraged to contribute to this project



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NOAA
Coast Survey

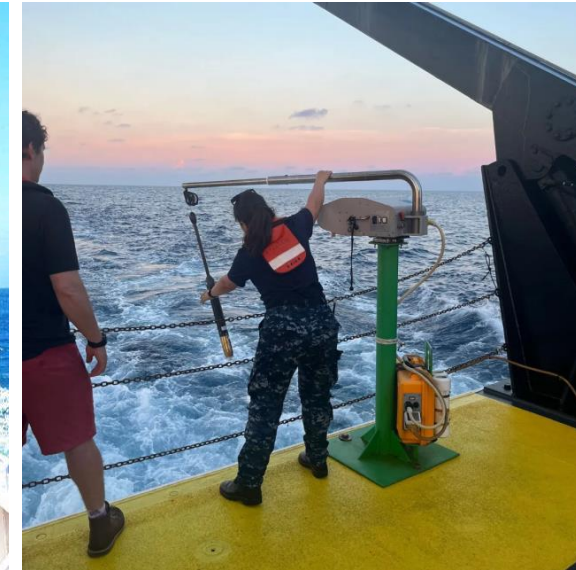


Empowering Women in Hydrography
NOAA At-Sea Experience
December 14, 2023

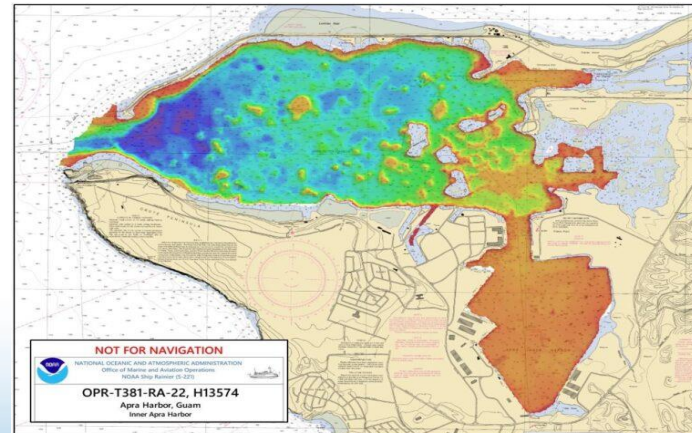
- Hands-on hydrographic experience
- Operate NOAA commercial hydrographic equipment and software
- Gain understanding of NOAA's mission and programs




- Three (3) female hydrographers hosted in 2022
 - [Nigeria](#)
 - [Japan](#)
 - [Suriname](#)
- Three (3) female hydrographers hosted in 2023 field season
 - [Philippines](#)
 - [Kenya](#)
 - [Argentina](#)
- Expected to host three (3) more in 2024



- NOAA funds include travel and shipboard space to participate aboard NOAA vessels
- Global call for nominations in early 2024 via an IHO CL
- Please apply!





IHO File No. S1/1900/A

CIRCULAR LETTER 04/2023
01 February 2023


**JOINT CANADA-IHO PROJECT EMPOWERING WOMEN IN HYDROGRAPHY
NOAA (USA) AT SEA EXPERIENCE – CALL FOR APPLICATIONS**

References:

- CL 20/2021 dated 31 May - Joint CANADA-IHO Project Empowering Women in Hydrography
- CL 35/2021 dated 15 September - Joint CANADA-IHO Project Empowering Women in Hydrography
- CL 07/2022 dated 4 February - Joint CANADA-IHO Project Empowering Women in Hydrography - NOAA (USA) At-Sea Experience - Call for Applications
- CL 14/2022 dated 8 April - Joint CANADA-IHO Project Empowering Women in Hydrography - Internship Selection
- IRCC12-06D.2 dated 29 September 2020 – NOAA OCS Letter Supporting the Project - Empowering Women in Hydrography

Dear Hydrographer,

- Reference A presented the proposal of the Joint CANADA-IHO Project Empowering Women in Hydrography (EWH) and the IHO Secretariat encouraged the Member States to consider the recommendation of the 2nd Session of the Assembly (A- 2 Decision 36) to participate in the EWH Project.
- Reference B announced the project's "kick-off" meeting where it was mentioned that some internships associated with this project are planned and that the updated information related with this project will be available on the respective webpage at <https://iho.int/en/basic-chsc-ewh>.
- Reference C called for applications and reference D announced selected participants for the first NOAA (USA) At-sea Experience in 2022. The 2022 survey season successfully hosted three candidates from [Nigeria](#), [Japan](#) and [Suriname](#).
- NOAA (USA) would like to announce that three opportunities are projected to be available in 2023 associated with the EWH project for an at-sea experience on a [NOAA hydrographic ship](#).
 - Selected candidates will spend a cruise (approximately two to three weeks underway) aboard a NOAA hydrographic ship gaining hands-on experience. Ideally candidates will be early to mid-level hydrographic surveyors with a strong background and continued interest in hydrography.



Hydrography –
underpinning the digital
turn of the ocean

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NOAA
Coast Survey

The background of the slide is a stylized illustration of a blue ocean under a blue sky with white, fluffy clouds. The horizon line is a simple curve separating the water from the sky. The text is centered in the lower half of the image.

¡Gracias!
Thank you!

1. CBSC Project Groups update

C-55 Project Team

- MSI: WWNWS has developed a Geospatial solution for the status of MSI reporting by Coastal States on their website. This solution can function for C-55 reporting on MSI and therefore does not require membership input.
- Status of Hydrographic Surveying – Safety of Navigation: Use of CATZOC provided via the RENCs directly to the IHO Secretariat, therefore does not require membership input. This solution was proposed to IRCC11.
- Status of Hydrographic Surveying – Non-navigational purposes: Data from Seabed2030 can support annual regional and global reporting including Areas Beyond National Jurisdiction (ABNJ), therefore does not require membership input.
- Future requirements: It is expected that future C-55 reporting will be based on a GIS solution. This technical solution will need to be aligned with S-100 development.



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1. CBSC Project Groups update

eLearning Platform Project

Project Team have developed Guidelines for the running of the eLearning Platform.

- At IRCC15 it was agreed that the PT would now be disbanded and via CL there was a call for participants on the eLearning Centre Steering Committee
- Platform will further develop in phases

Request that any eLearning that has been developed or there is an awareness of be shared for consideration



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2. A-3 Outcomes relevant to CBSC

- Funding – It was proposed and agreed at A-3 that the CB budget would be set at 60 000Euros (CB demand = 578,000Euros)
- Proposal 3.5 to A-3, Establishment of a Taskforce to explore the potential merits, structures, and options for alternate fund generation to support Capacity Building and other IHO initiatives



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3. Current IHO Opportunities

IHO CL 27/2023

Open to IHO Member States
Closing date: 17 January 2023



IHO File No. S1/3023 & CBSC-1

CIRCULAR LETTER 27/2023
30 August 2023

MASTER OF SCIENCE PROGRAMME IN HYDROGRAPHIC SCIENCE AT THE UNIVERSITY OF SOUTHERN MISSISSIPPI (USA) SPONSORED BY THE REPUBLIC OF KOREA

CALL FOR NOMINATIONS (12th Course, August 2024 - August 2025)

Reference: [IHO CL 06/2023 dated 17 February 2023](#) - *Master of Science Programme in Hydrographic Science at the University of Southern Mississippi (USA) sponsored by the Republic of Korea - Selection of Candidates (11th course)*



Dossier de la OHI N° S1/3023 y CBSC-1

CARTA CIRCULAR 27/2023
30 de agosto del 2023

PROGRAMA DEL MÁSTER EN CIENCIAS DE HIDROGRAFÍA DE LA UNIVERSIDAD DEL SUR DE MISISIPÍ (EE.UU.) PATROCINADO POR LA REPÚBLICA DE COREA

SOLICITUD DE CANDIDATURAS (12° Curso, Agosto del 2024 - Agosto del 2025)

Referencia: [CC de la OHI nº 06/2023 de fecha 17 de febrero del 2023](#) - *Programa del Máster en Ciencias de Hidrografía en la Universidad del Sur de Misisipi (EE.UU.) patrocinado por la República de Corea - Selección de Candidatos (11° curso)*



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4. MACHC 2023 / 2024 CB Update (funded activities)

A-05 Technical Visit to Costa Rica (dates TBC 2024)

A-09 Technical Visit to Belize (from 2022 A-05) - COMPLETED 5-9 June

A-11 Technical Visit to Honduras (from 2021) dates TBC 2024

A-12 High Level Technical Visit to Dominican Republic (from 2021) - COMPLETE

A-13 High Level Technical Visit to Jamaica (from 2021) - COMPLETE

P-35 MSI (training on establishment of MSI structure and basic MSI procedure)

P-44 Tides Workshop for Spanish Speakers (former 2020 P11) – COMPLETE

2024 Funded activities:

A-05 High Level Visit to Colombia

P-07 Seminar on Raising Awareness of Hydrography



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4. MACHC 2023 CB Update (funded activities)

Master of Science Programme in Hydrographic Science, University of Southern Mississippi Sponsored by The Republic of Korea (10th Course, August 2022 - August 2023) - Guatemala - Mr Diego Fernando Mendez Porta

Category “B” Nautical Cartography Programme Sponsored By The Republic Of Korea (19 June - 3 November 2023) Guatemala - Mr Walther Danilo Quiroz Gonzalez

Nippon Foundation GEOMAC (Geospatial Marine Analysis and Cartography) Project, UK Hydrographic Office - Jamaica - Ms Shari Bowen-Robinson also participating Mrs. Nayivis López Ortega from Cuba



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CAPACITY BUILDING PROGRAMME – REGULAR OFFER OF EARMARKED FUNDS

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- **2 students for Master of Science Programme in Hydrographic Science at the University of Southern Mississippi (USA)**, sponsored by the Republic of Korea (1 year) **[CL27/2023] - Normally invitation in August of previous year**
- **7 students for the GEOMAC courses in Cartography Cat B – UKHO** - sponsored by Nippon Foundation (5 months) **[CL09/2023] - Normally invitation in February**
- **10 students for Cat B Hydrographic Survey Programme or Cat B in Nautical Cartography** sponsored by the Republic of Korea (20 weeks) **[CL07/2023] - Normally invitation in February**

5. MACHC 2024 – 2026 Workplan - 2025

Points to note:

Phase 0 and Phase 1 – Open to Non IHO Member

Phase 2 and Phase 3 – IHO Members

Cat A and Cat B training – Application via Circular Letter

Limited Funding

Timeline for submission

February	Final requests for CB activities to CB Coordinator
April	Submitted via the CB Coordinator to the Capacity Building Sub Committee in April for consideration
June	Finalised Capacity Work plan for following year.



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5. MACHC 2024 – 2026 Workplan - 2025

Technical Visits	For Identified States	MACHC CB Coordinator	Raise Request to CB Coordinator. No requests received via National Reports	Phase 1.
Hydrographic Awareness Seminar	For identified States	MACHC CB Coordinator	To precede the MACHC plenary meeting. To assist in raising regional awareness and to address matters important to the region and hydrographic governance	Phase 1
Tides course	For identified states	MACHC CB Coordinator	Additional funding will be sought	Phase 2
ENC Production & Quality Assurance Course	For identified states	MACHC CB Coordinator	Seek Additional funding to support and will aim to include S-101	Phase 3



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MACHC States are requested to:

1. Note this report
2. Consider contributing to the Empowering Women in Hydrography Project (Ongoing action to support Project)
3. Consider contributing eLearning material to the IHO eLearning Centre and raise awareness of any available eLearning courses that could be signposted to
5. (Member States) endorse the submissions for IHO funding in 2025.



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