

# 5.1 - MACHC Capacity Building Report



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# MACHC CBC

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1. MACHC20 Actions
2. CBSC18
3. MACHC 2020 CB Update
4. MACHC 2021 IHO and other CB Activities
5. MACHC 3 Year Plan (2021-2023) - Proposed submissions for IHO funding 2022



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# 1. MACHC 20 Actions

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No	Action	Responsible Party	Due Date	Status
20.3.b.1	Member States requesting “high level/technical visits” from the breakout group results should confirm their interest directly to the CB Coordinator (Lucy.Fieldhouse@ukho.gov.uk). These will be evaluated for potential inclusion in the 2021-2023 MACHC Capacity Building Plan.	MACHC Members/CB Coordinator	2/28/2020	<b>Completed</b>
20.3.b.2	Use the IHO CB procedure 11 to assess the status of Member States within IHO CB phases to better evaluate the requests for phases 1, 2 & 3 training opportunities resulting from the breakout group process.	CB Coordinator	6/30/2020	<b>Completed</b>

# 1. MACHC 20 Actions

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No	Action	Responsible Party	Due Date	Status
20.5.1.1	Produce draft of 2021-2023 MACHC Capacity Building Plan; review training priorities and offerings from SEPRHC and SWAtHC, COCATRAM, IALA, IMO, Spain, industry etc. to identify potential areas of common interest/opportunity for the new CB Plan.	CB Coordinator	8/31/2020	<b>Completed</b>
20.5.2	COCATRAM 2020 Hydrography and Cartography Course content and logistics to be planned and participants from the region identified.	CB Coordinator, COCATRAM, IHO, Colombia	12/31/2022	<b>Delayed by the pandemic, hope to hold in 2022 as part of the next IMO biennium plan.</b>

## 2. CBSC18

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### **VTC – 2-3 Jun 2020**

- CBSC Chair – Mr Evert Flier (Norway)
- CBSC Vice Chair – Mr Luiz Claudio Fonseca (Brazil)
- KHOA Proposal 3.3 to IHO Assembly – Establishment of IHO eLearning Centre
- Request for Member States to share National Hydrographic Committee Documentation



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## 2. CBSC18

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- IHR – Important to submit papers and champion the work that you are doing. IHO Rep for the MACHC Region is Mr Nathanael Knapp (Nathanael.Knapp@UKHO.gov.uk)
- C-55 – Important to keep up to date. Utilised in IMO audits (IMSAS)
- IHO CB Fund for 2021 (Jan-Dec) 1,342 000 Euros – enabled a significant number of activities to be funded.



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### 3. MACHC 2020 Update - IHO CB Activities

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4 Submissions to CBSC (as agreed at MACHC19) for consideration for the 2020 Work plan were:

- Seminar on Raising Hydrographic Awareness
- MBES Processing
- **MSI Training – Funded Delivered following MACHC20 (Dominican Republic)**
- **Tides and Water Levels Workshop for Spanish Speakers - Funded**  
(Co sponsored by the Intergovernmental Coordination Group for the Tsunami and other Coastal Hazards Warning System for the Caribbean and adjacent regions)



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### 3. MACHC 2020 Update - IHO CB Activities

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#### **CAT B Marine Cartography & Data Assessment - UK (Dec 2020 – Mar 2021)**

COLOMBIA – Mr Marjohnny Monterroza Pantoja

DOMINICAN REPUBLIC – Mr Ismael Jorge Peña

GUYANA – Ms Rolesia Singh

# Current IHO CB Opportunities

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Circular Letter 34/2020 – CAT A Hydrography, USM (USA)  
Closing date for nominations 19 February 2021

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

**CALL FOR NOMINATIONS (9<sup>th</sup> Course, August 2021 – August 2022)**

Phase 3 Activity – IHO Members  
Successful candidates will be informed of their selection by March 2021



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# 3. CBC – SDB Webinar 3 November 2020

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3 November 2020 - SDB Webinar

EOMAP, ESRI and Tcarta

Venezuela

SDB Opportunities (Email from MACHC Chair 13 November)

1. EO Clinic – EO Science for society program
2. Earth Observation for regional initiatives ‘EO Resilient Society’ – EOMAP invite MACHC Coastal States to participate **DEADLINE – December 9th.**  
[Edward.albada@eomap.com](mailto:Edward.albada@eomap.com)
3. Tcarta and Esri - 1 hour webinar on SDB **8<sup>th</sup> December** ([kg@tcarta.com](mailto:kg@tcarta.com) or [rponce@esri.com](mailto:rponce@esri.com))
4. The 3<sup>rd</sup> International Conference on SDB – SDB Day 2021 27<sup>th</sup> January 2021 to be hold virtually (open for registration) <https://sdbday.org/>



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## 4. MACHC 2021 IHO CB Activities

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- High Level Technical Visit – Dominican Republic
- High Level Technical Visit - Jamaica
- Technical Visit - Honduras
- Seminar on Raising Awareness of Hydrography
- (from 2020) **Tides and Water Levels Workshop for Spanish Speakers - Funded**  
(Co sponsored by the Intergovernmental Coordination Group for the Tsunami and other Coastal Hazards Warning System for the Caribbean and adjacent regions)



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# 4. MACHC 2021 IHO and other CB Activities

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Other CB Activities – Non IHO funded

- SDB Workshop – EOMAP, TCarta and Esri
- Funding opportunities
- NOAA Ship Experience ‘Empowering Women’
- MACHC CBC Training Page
- IALA



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# Assisting coastal States worldwide



Second mission to Haiti

Mission to Venezuela

Mission to Honduras

Mission to Dominican Republic

Mission to El Salvador

Review of Barbados

Review of Vincent & the G.

Review of Guatemala

Review of St Lucia



# Aids to Navigation Management training

- **Level 1.1 – AtoN Manager online**
- **Level 1.2 – Master of AtoN Management online**
- **Level 1.3 – Use of the IALA Risk Management Tools online**
- Level 1.4 – GNSS and e-Navigation
- Level 1.5 – Historic Lighthouse Projects





# Aids to Navigation Level 2 Technician training

30 model courses covering a range of topics:

- Power supplies
- Lights and marine lanterns
- Sound signals
- Painting and coatings
- Service craft and buoy tenders
- Radar beacons (racons)
- AIS
- Radionavigation and DGNSS
- Remote monitoring and control
- Structures, materials and maintenance





# What more can the WWA offer to MACHC Members? In addition to a Mission or Review:

National on-line:

- SIRA Risk assessment session.
- AtoN Procurement session.
- IWRAP Risk assessment session.





QUESTIONS?

MAIL, TEXT OR CALL ME

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### 3. CBC – 4 November 2020

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#### **IHO CB Strategy identifies 3 stages.**

1	Collection and circulating of nautical information, necessary to maintain Charts/Publications	High Level Technical Visits, Technical Assessment Visits, MSI Course	Non IHO Members/IHO Members
2	Creation of Surveying capability Coastal Projects Offshore Projects	Data Collection & Management	IHO Members
3	Produce Paper Charts, ENC and Publications independently	Cat A/Cat B Cartography/Hydrography	IHO Members. Call for applications IHO Circular Letters



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# 4. MACHC 3 year Work Plan

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Draft 2022 - IHO Funded proposals

1. Technical Visits (as requested)
2. MSI workshop (Colombia and WWWNWS SWAtHC)
3. Seminar – Hydrographic Governance, establishing an NHC
4. Joint Bathymetric Data Processing Course with neighbouring RHCs, Caribbean Tsunami Warning System (CARIBE-EWS)



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# CB Submission Timeline

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## **Next Meeting: CBSC19 Monaco, June 2021**

### Time line for Submissions

Nov/Dec	Approval of submissions by MACHC plenary
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 CBSC19

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## Actions requested of MACHC:

1. Note the Report
2. Approve the 2021 – 2023 Workplan – CB submissions for CBSC19

Thank you

[Lucy.fieldhouse@ukho.gov.uk](mailto:Lucy.fieldhouse@ukho.gov.uk)



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