

# Meso American - Caribbean Sea Hydrographic Commission

## **MACHC International Charting Coordination (MICC) Report 2021**

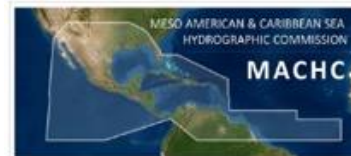
**MICC CHAIR  
Bernice Mahabier**

Date 30-11-2021



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# Presentation Agenda

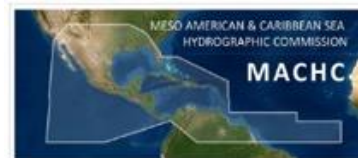
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- Membership and Work Procedures
- MACHC ENC boundary
- MICC updates:
  - ENC Progress
  - INT chart progress
  - Cruise ship port analysis
- Proposal MACHC Regional ENC Scheme
- S 100 updates
- Work Plan 2022



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# Membership and Work Procedures

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## MICC Members :

Brazil, Colombia, Cuba, El Salvador , France, Mexico, Netherlands, Suriname, United Kingdom, United States, Venezuela, IC-ENC

## Work procedures:

- Quarterly calls , sub working group calls, annual meeting
- Member states actively work to resolve chart overlaps
- Updates for ENC Online
- Member states provide INT Chart and ENC updates
- Member states actively work to resolve MICC related matters



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# The MACHC ENC Boundary

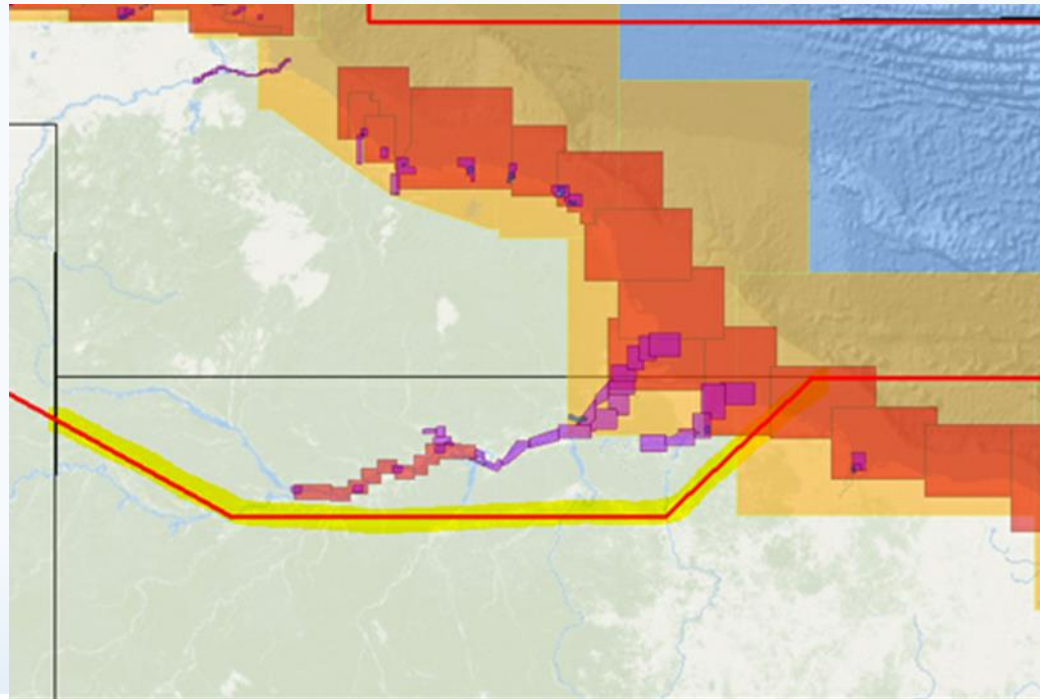
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Some years ago a decision was made to extend the boundary to include parts of the Amazon river.

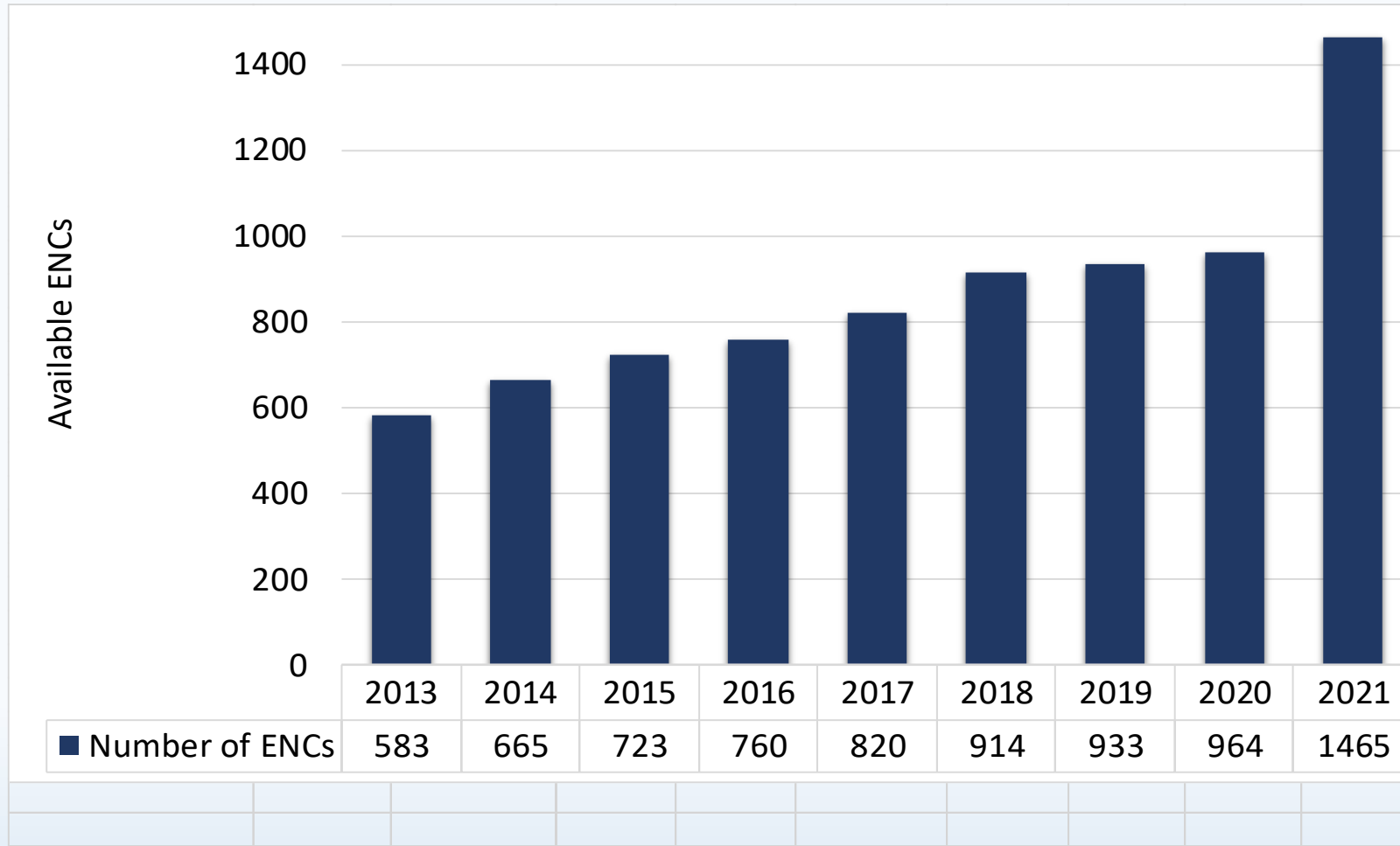
The boundary proposal was approved by the MICCWG

Brazil has submitted the proposal to the SWATH for approval, approval was obtained.

The proposal must be approved by MACHC members prior to official submission to IHO.  
(Proposal presented by Brazil)



# MACHC ENC's Availability

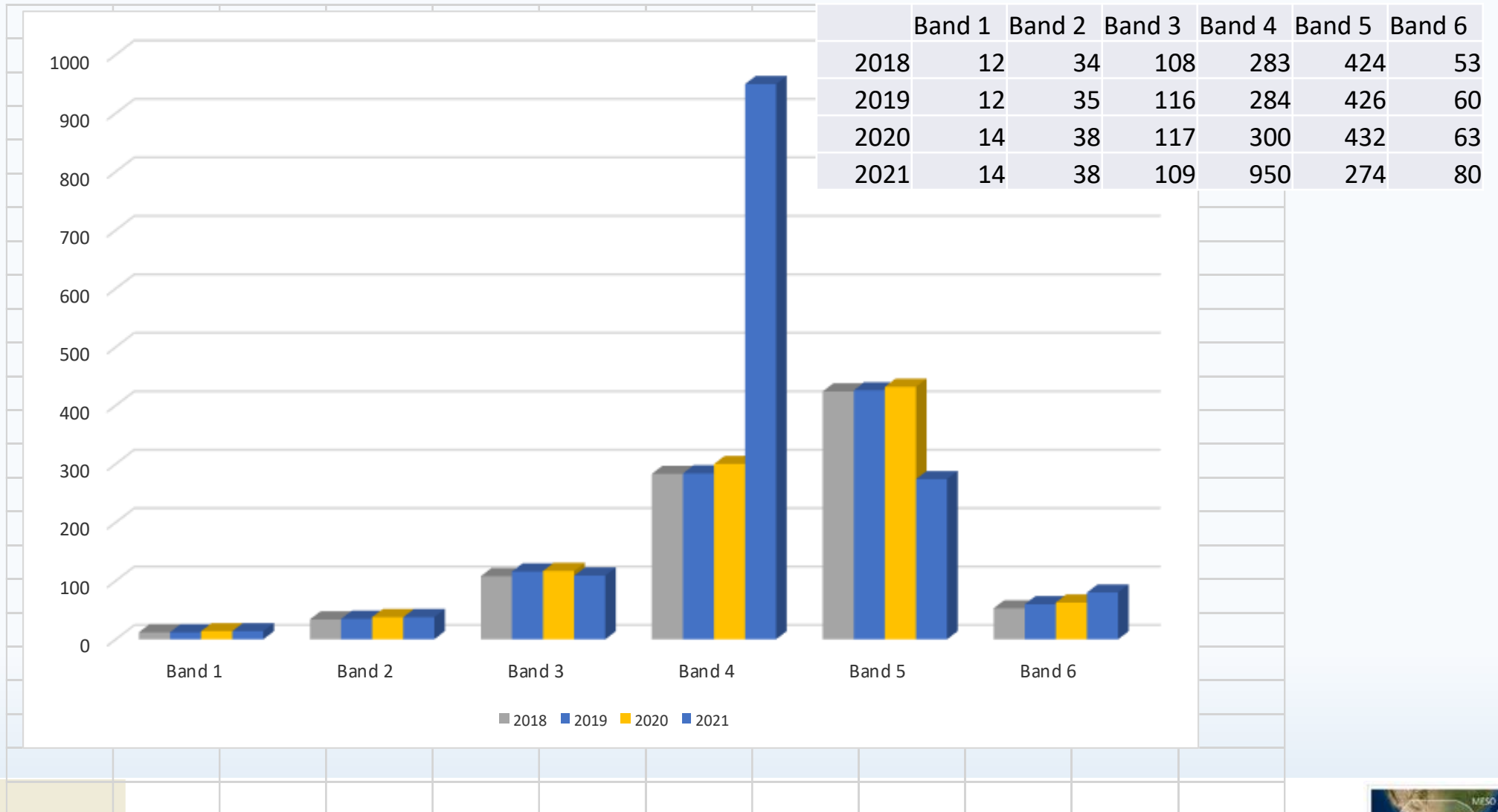


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# MACHC ENCs by Usage Band

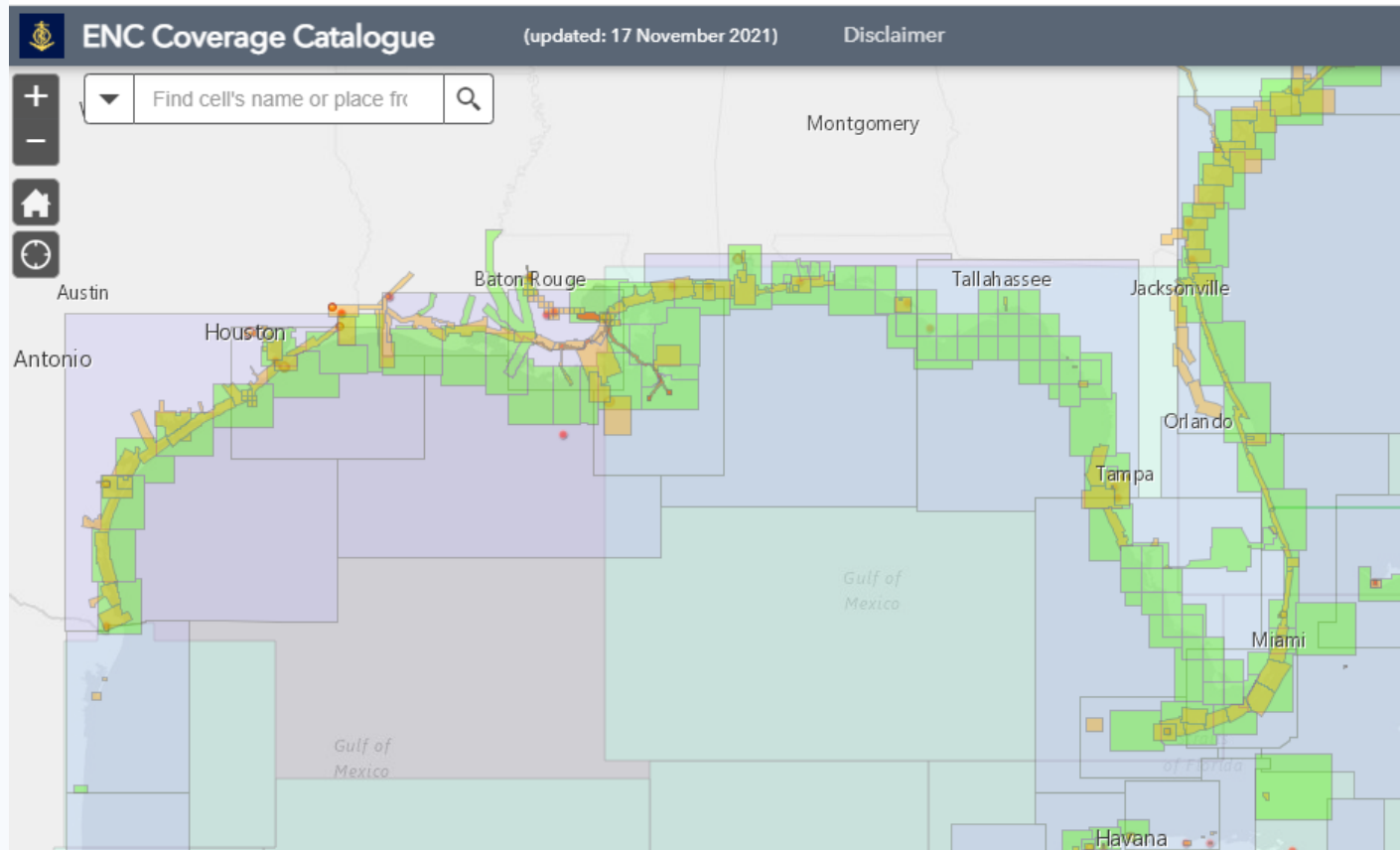


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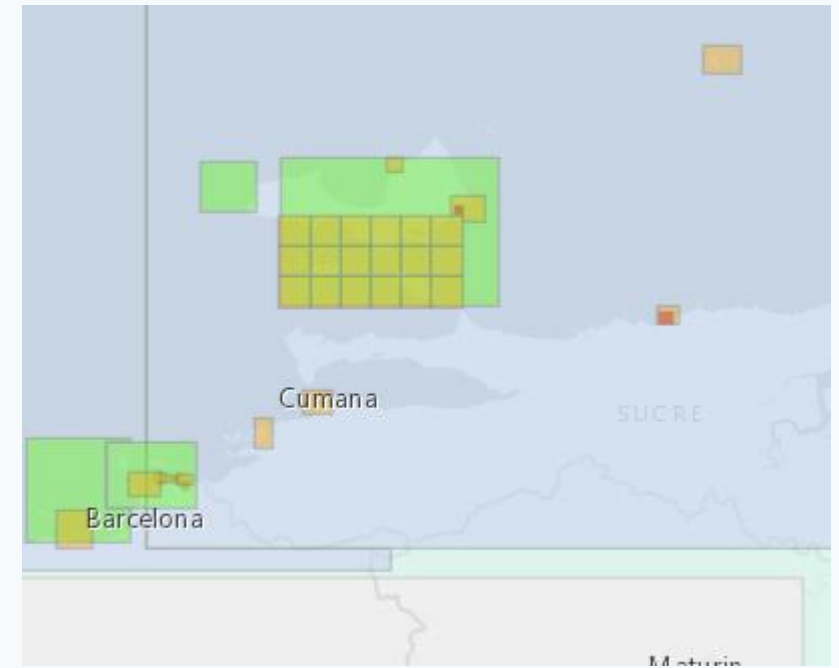
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# MACHC ENC<sub>s</sub>



USA



Venezuela



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# MACHC Regional Band 1 ENC Scheme

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Report by MICC sub working group M.R.E.S. Chaired by Mexico.

United States :Julio Castillo (US)

Columbia :Olga Bonfante (CO)

UKHO: Nick Rodwell



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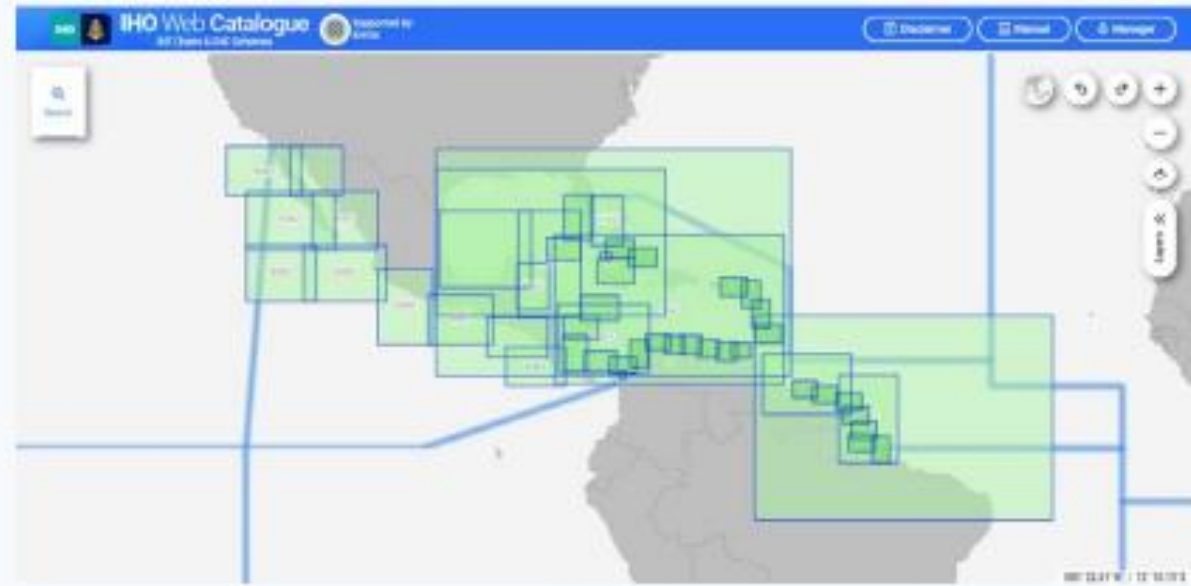
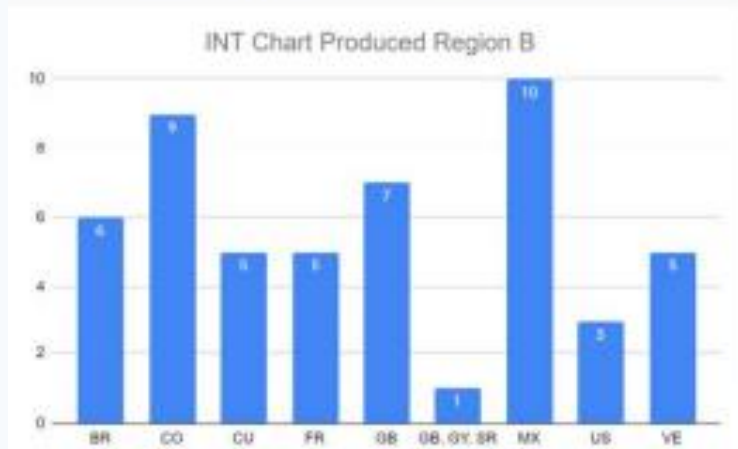
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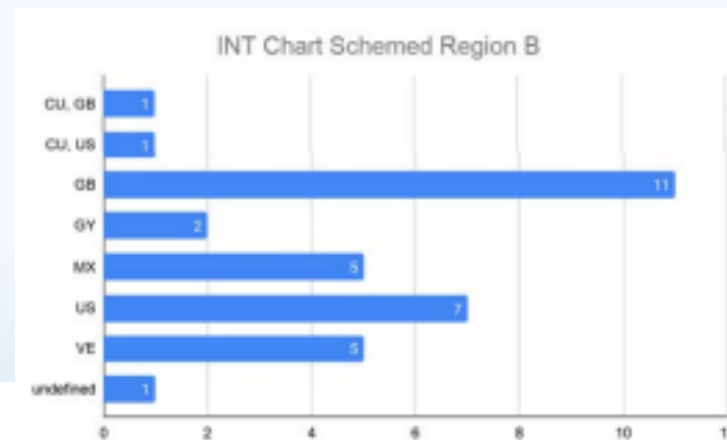
# INT Charts update

- No pending submissions
- No updates on current coverage.



INT Chart Schemed Region B

Total 51 INT Charts Produced  
Total 33 INT Charts Schemed



\*undefined Producer: INT 4128



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# Cruise Ship Port update

- 2015 – Cruise Ship Ports Gap Analysis identified 43 ports in MACHC region with no large scale ENC coverage
- 2016 – Two large scale ENC's cover gaps in Cuba and VZ
- 2017/2018 – 12 New large scale ENC's cover gaps in VZ, Bahamas, Cuba, St. Vincent & Grenadines, Trinidad; total down to 29 ports from 43
- 2018/2019- anchorage areas were included making the area in total 92 and currently only 32 not covered

2019-2021- total 193 and currently only 14 not covered

The cruise ship port gap list is on the MACHC- MICC webpage for member states and associated members to fill the Gaps



# S100 update

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- S100 Webinar held in November 2021 in support of S100 implementation

- Test bed update

Netherlands: S-102 ( Bathymetry)

USA: S102, S-111 (surface currents)

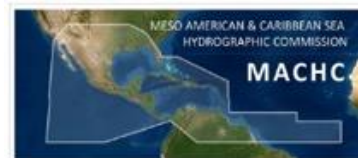
France: S102, S-122 (marine protected areas)

- MACHC Regional Gridded ENC Scheme- Band 1 – MRES WG
- UKHO worldwide gridding -Applying a Gridded Scheme to GB ENC



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# S101 en 102 production

Question	Response	Name
When MS plan to start production of S-101?	2023	SUR Bernice Mahabier Maritime Authority Suriname
When MS plan to start production of S-101?	2023	COL Olga Bonfante Bonfante DIMAR
When MS plan to start production of S-101?	Within 5 years	BRA Ana Silva DHN
When MS plan to start production of S-101?	Within 5 years	USA Jim Rogers NGA
When MS plan to start production of S-101?	Within 5 years	USA Julio Castillo NOAA
When MS plan to start production of S-101?	Within 5 years	FRA Julien Smeekaert Shom
When MS plan to start production of S-101?	Within 5 years	NLD Jan Schaap NLHO
When MS plan to start production of S-102?	2023	NLD Jan Schaap NLHO
When MS plan to start production of S-102?	2023	SUR Bernice Mahabier Maritime Authority Suriname
When MS plan to start production of S-102?	Within 5 years	USA Julio Castillo NOAA
When MS plan to start production of S-102?	Within 5 years	USA Jim Rogers NGA
When MS plan to start production of S-102?	Within 5 years	MEX Israel Beltrán Hernández SEMAR
When MS plan to start production of S-102?	Within 5 years	FRA - Julien Smeekaert - Shom
When MS plan to start production of S-102?	Within 5 years	BRA Rodrigo Obino DHN



# Work Plan 2022

DELIVERY DATE (2022)	ACTIONS	
	Electronic Chart Activities	INT Chart Activities
Jan 1 – Feb 29	Member States to provide updates based on discussions, and consideration of the individual Ports Analysis presented at the November 19 <sup>th</sup> , 2021 MICC meeting on plans to address ENC coverage within their area.	Member States to provide updates based on discussions, and consideration of the individual Ports Reports presented at the November 19 <sup>th</sup> , 2021 MICC on plans.
Feb 22 - 24	Represent MACHC at WEND WG	
March 25	<p>In preparation for the quarterly Conference Call, Member States to provide updates to:</p> <ul style="list-style-type: none"> <li>the list of available ENCs</li> <li>resolutions of any gaps/overlaps identified.</li> <li>the standardized regional ENC scheme</li> <li>S-100 Production update and test beds</li> <li>Product Specification development participation</li> <li>S100 Capacity building opportunities</li> </ul>	<p>In preparation for the quarterly Conference Call,</p> <ul style="list-style-type: none"> <li>Member States to forward INT Chart metadata and shapefiles for “planned” INT Charts.</li> <li>Member States to propose additional coverage/adjustments for S-11, section B</li> <li>Member States to provide updates on S100 testbeds and S101, S102 coverage of their area.</li> <li>Member States to provide updates on S100 Capacity building opportunities.</li> </ul>
April 13	Hold quarterly conference call to assess status and next steps.	
May 4	Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call.	
June 15	<p>In preparation for the quarterly Conference Call, Member States to provide updates to:</p> <ul style="list-style-type: none"> <li>the list of available ENCs</li> <li>resolutions of any gaps/overlaps identified.</li> <li>the standardized regional ENC scheme</li> <li>S-100 Production update and test beds</li> <li>Product Specification development participation</li> <li>S100 Capacity building opportunities</li> </ul>	<p>In preparation for the quarterly Conference Call,</p> <ul style="list-style-type: none"> <li>Member States to forward INT Chart metadata and shapefiles for “planned” INT Charts.</li> <li>Member States to propose additional coverage/adjustments for S-11, section B</li> <li>Member States to provide updates on S100 testbeds and S101, S102 coverage of their area.</li> <li>Member States to provide updates on S100 Capacity building opportunities.</li> </ul>



# Work Plan 2022

July 13	Hold quarterly conference call to assess status and prepare information as needed for subsequent communication to IRCC and IHB.	
July 27	Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call.	
Aug 31	Investigate and/or track issues regarding consistencies and availability of ENC's and the corresponding INT (paper) Charts if problems persist.	
Sept 9		MS to forward S-11 updates to INT Chart Coordinator for inclusion for Region B, S-11.
Sept 16		MICC INT Chart Coordinator to forward S-11 updates to IHB, to include Pacific INT scheme.
Oct 12	<p>In preparation for the quarterly Conference Call, Member States to provide updates to:</p> <ul style="list-style-type: none"> <li>the list of available ENC's</li> <li>resolutions of any gaps/overlaps identified.</li> <li>the standardized regional ENC scheme</li> <li>S-100 Production update and test beds</li> <li>Product Specification development participation</li> <li>S100 Capacity building opportunities</li> </ul>	<p>In preparation for the quarterly Conference Call,</p> <ul style="list-style-type: none"> <li>Member States to forward INT Chart metadata and shapefiles for "planned" INT Charts.</li> <li>Member States to propose additional coverage/adjustments for S-11, section B</li> <li>Member States to provide updates on S100 testbeds and S101, S102 coverage of their area.</li> <li>Member States to provide updates on S100 Capacity building opportunities.</li> </ul>
<b>DELIVERY DATE (2022)</b>	<b>ACTIONS</b>	
	<b>Electronic Chart Activities</b>	<b>INT Chart Activities</b>
Oct 26	Hold quarterly follow-up conference call to update/review and discuss MS input in preparation of 23 <sup>rd</sup> MACHC.	
Nov 9	Complete follow-up activities from Conference Call. Member States to provide all additional information identified during conference call.	
Nov 16	Provide all updates, to the MICC Chair and INT chart Coordinator for the MICC Report to 23 <sup>rd</sup> MACHC.	
Dec 2022	Provide update on 2022 MICC activities/accomplishments	



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# Requests to MACHC MS and AS

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- Note the MICC Report
- Approve the MICC 2022 Work Plan
- Approve MACHC ENC boundary for the submission to the IHO (to be presented by Brazil)
- Provide feedback on the proposed approach for a standardized regional ENC Scheme (to be presented by MICC Subgroup Chair, Mexico)
- Submission of INT Chart submission to IHO Web Catalogue (<http://chart.iho.int:8080/iho/main.do>) and maintenance of ENC schemes using INTOGIS II



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**THANK YOU VERY MUCH!**



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