



14th Meeting of the WENDWG

Report of the representative of Meso American - Caribbean Sea Hydrographic Commission (MACHC)

Agenda Item WENDWG14-5.AJ

Mrs. Bernice Mahabier (MACHC MICC WG chair)

WENDWG14, Norfolk/VA, USA, 20 – 22 February 2024



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MESO AMERICAN - CARIBBEAN SEA HYDROGRAPHIC COMMISSION (MACHC)

International
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Members:

Brazil

Colombia

Cuba

Dominican Republic

France

Guatemala

Guyana

Jamaica

Mexico

Netherlands

Suriname

Trinidad and Tobago

United Kingdom

United States

Venezuela

Associate Members:

Antigua and Barbuda

Barbados

Belize

Costa Rica

El Salvador

Grenada

Haiti

Honduras

Nicaragua

Panama

Saint Lucia

Saint Kitts and Nevis

St. Vincent & Grenadines

Observers:

Dominica

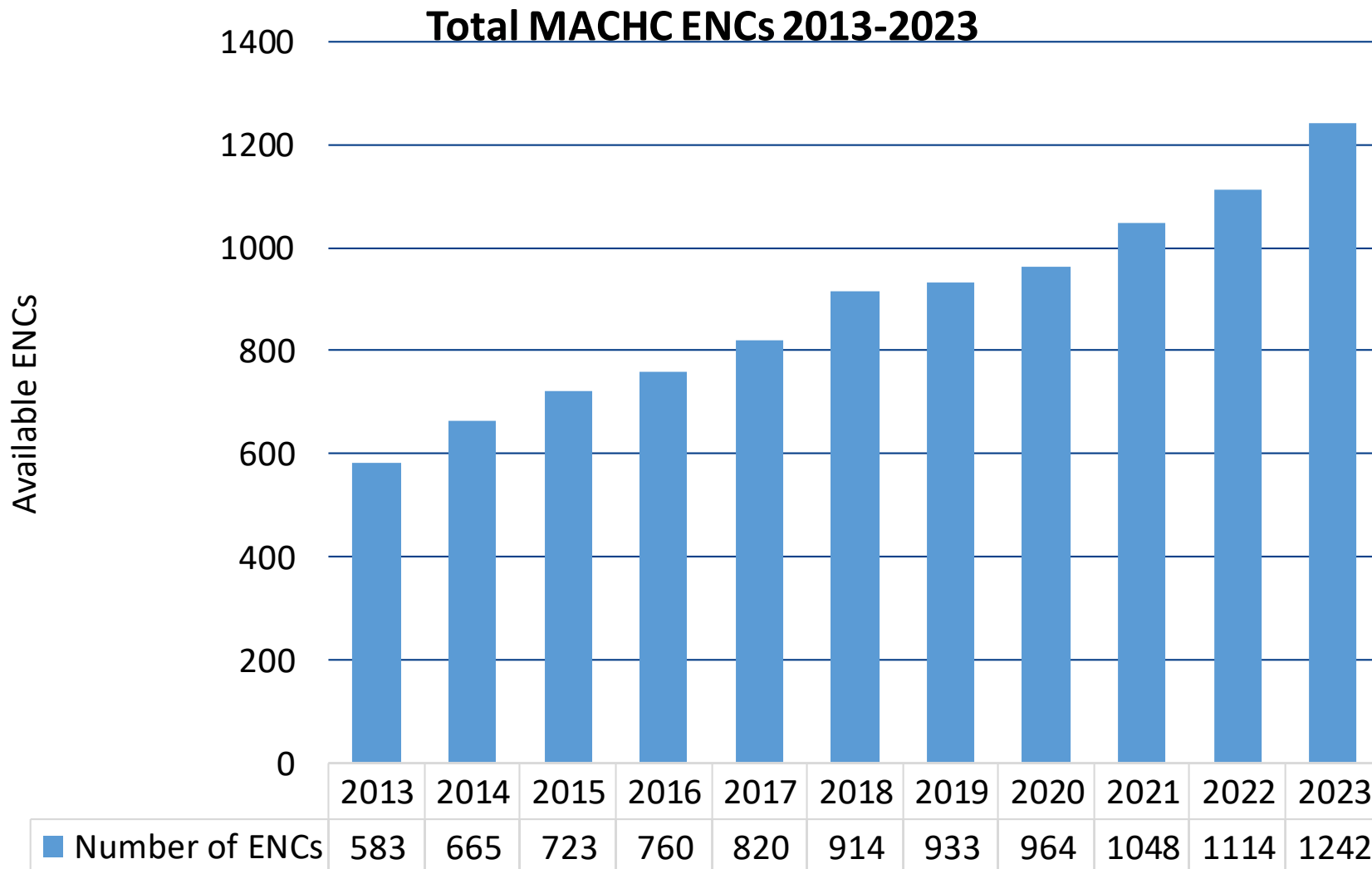
Spain



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MACHC AVAILABLE ENCS

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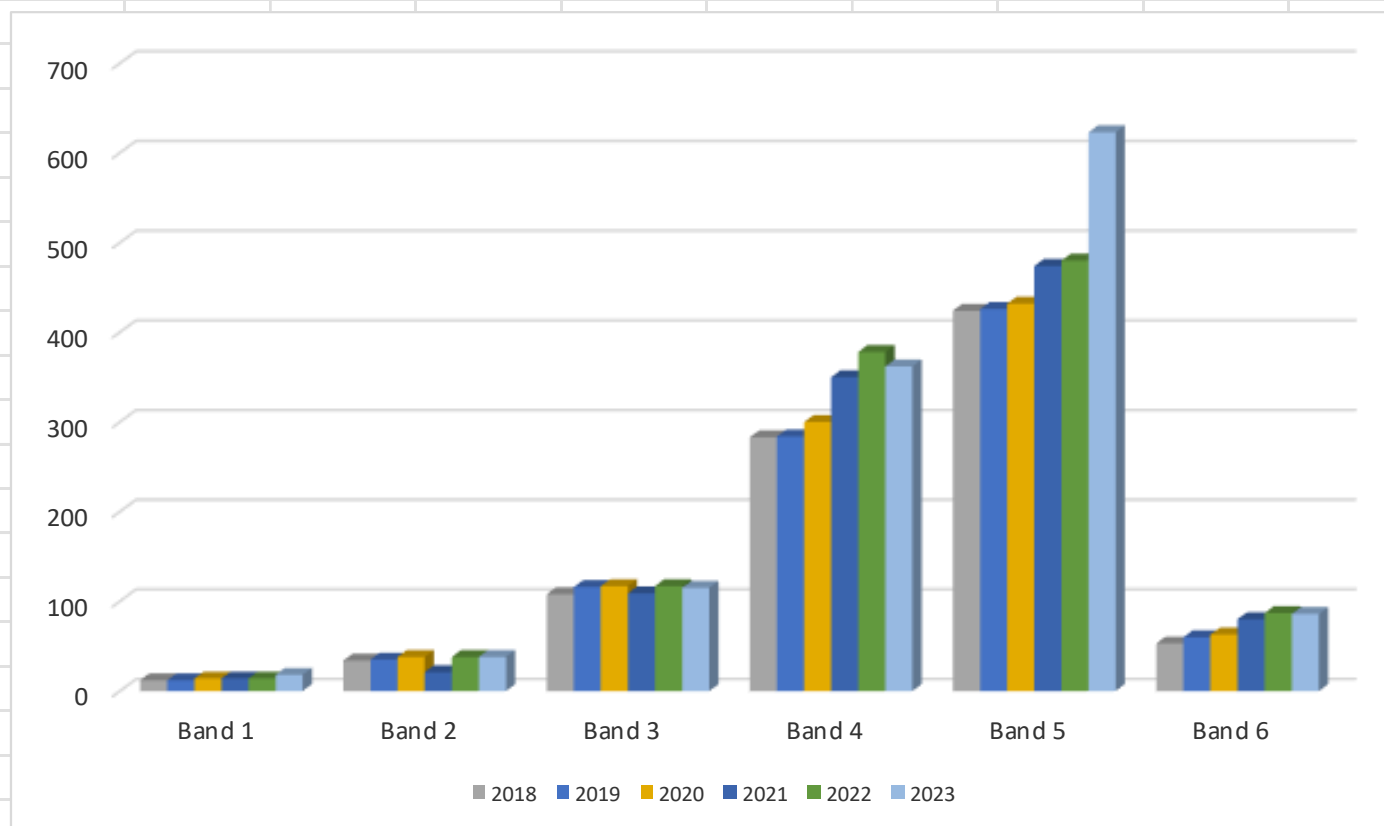


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MACHC AVAILABLE ENCS

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	Band 1	Band 2	Band 3	Band 4	Band 5	Band 6								
2018	12	34	108	283	424	53								
2019	12	35	116	284	426	60								
2020	14	38	117	300	432	63								
2021	14	21	109	350	474	80								
2022	14	38	117	378	480	87								
2023	18	38	115	362	623	86								



The production of all usage bands are the same except for the increase in band 5

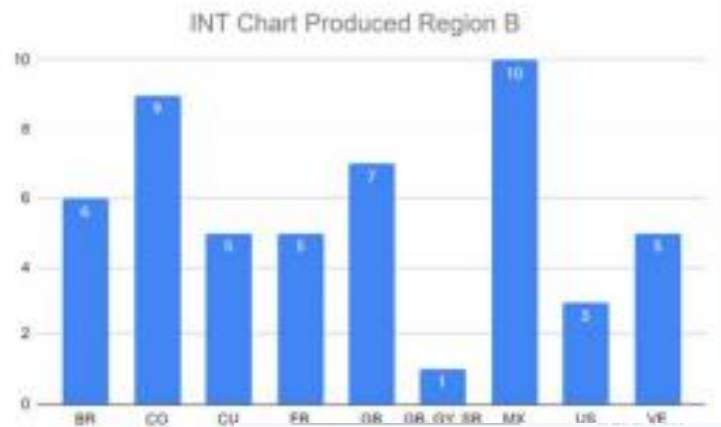


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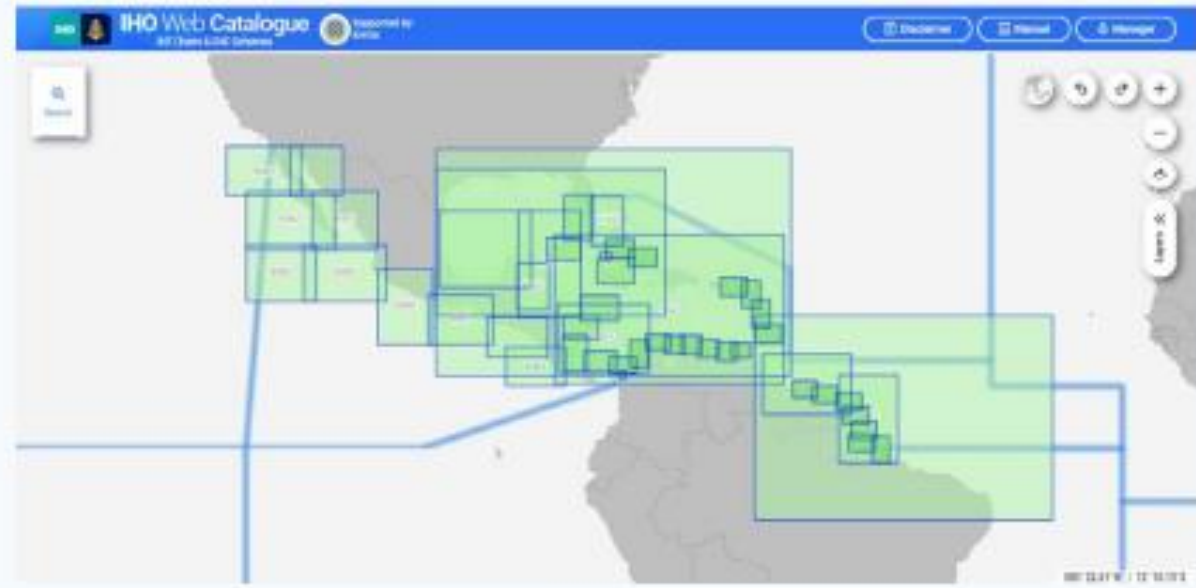
INT CHARTS UPDATE

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- No pending submissions
- No updates on current coverage.



Total 51 INT Charts Produced
Total 33 INT Charts Schemed



INT Chart Schemed Region B



MACHC23 Decisions

23.9.2.1	Approved the MRES for Usage Band 1 (UB1)
23.9.4.1	MACHC should coordinate S-101, S-102, S-104, S-111, S-124, S-128 and MSDI in the MACHC Region to reflect the WEND-100 IGIF Matrix.
23.9.4.2	MACHC should have at least one S-100 Coordinator.
23.9.4.3	MACHC S-100 Coordinator role(s) should be consistent across the Regional Hydrographic Commissions.
23.9.4.4	Approved the joint Coordination of S-57/S-101 under the responsibility of the MICC Chair, taking into account the tight schedule of the “dual-fuel” transition period.

MACHC actions

- TOR and ROP on the Role of the S100 coordinator was developed and distributed to MACHC MS for review
- To accelerate the S100 products development MS were requested to submit candidates for the S100 working group and candidates for the role of S100 coordinator.



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S100 UPDATE

International Hydrographic Organization

Report on the Readiness Status of RHCs for the provision of S-1xx datasets by 2026 per Charting Region WENDWG CL 01/2023

9 MS responded Including PCA's
3 MS have no S100 plan

Members:		response	no response	PCA/ S57 prod
Brazil		x		
Colombia		x		
Cuba			x	
Dominican Republic		x		UKHO Grid
France		x		
Guatemala			x	
Guyana		x		UKHO Grid
Jamaica		x		UKHO Grid
Mexico		x		
Netherlands		x (incl. overseas terr.)		
Suriname		x		UKHO Grid
Trinidad and Tobago		x		UKHO Grid
United Kingdom		x		UKHO Grid
United States		x		
Venezuela			x	
Associate Members:		response	no response	PCA/ S57 prod
Antigua and Barbuda		x		UKHO Grid
Barbados		x		UKHO Grid
Belize		x		UKHO Grid
Costa Rica			x	
El Salvador			x	
Grenada		x		UKHO Grid
Haiti		x	x	
Honduras		x	x	
Nicaragua		x	x	
Panama		x		UKHO Grid
Saint Lucia		x		UKHO Grid
Saint Kitts and Nevis		x		UKHO Grid
St. Vincent & Grenadines		x		UKHO Grid



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S100 UPDATE

International Hydrographic Organization

Report on the Readiness Status of RHCs for the provision of S-1xx datasets by 2026 per Charting Region WENDWG CL 01/2023

Product	2024	2025	2026	2027	2028	2029	2030	Need support		Trails		support in sharing	
								no	yes	no	yes	no	yes
S101	1	1	3	3				3	6	5	4	6	3
S102	1	2	3	2				1	6		4		3
S104		2	2				1	1	4		3		3
S128			3				1	1	2				3
S111		1	2				2	1	4		4		3
S124		1	3				1	1	4		1		3
S122			1										
S129			1						1				3
other S-100 products									1				3



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S100 UPDATE

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Findings

- Most MS will have the S100 ready by 2026 and 2027
- 3 MS have no S100 plan
- Most MS are focused on S101 and 102 , other S100 products will be produced by 2030 or not included in their plan
- MS requested support in production (production systems) and distribution
- There are trials in progress
- The need for capacity building and knowledge sharing is essential to accelerate production

MACHC actions based on the findings;

- Establish a S100 working group or groups for the MACHC region
- Develop a S100 strategic plan for the MACHC region including capacity building and knowledge sharing plan to accelerate production
- Facilitate collaboration between memberstates to ensure production



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UPDATE ON PLANNED CHART SCHEMES IN USAGE BANDS 1-4

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- MICC CL 04/2023: Request for Member State update on planned chart schemes in usage bands 1-4

MICC Letter 05/2023 Request to Primary Charting Authorities (PCA)

References: IRCC15 7 Recommendation 10

- ENC coverage submissions from 6 Member States, 7 schemes total





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CURRENT STATUS OF GRIDDING – BAND 1

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Usage band 1 was approved at MACHC 23

- 2 ENC Producers at this usage band in Region B
- UKHO completed gridding on 9 ENCs in Region B
- 6 of these gridded ENC cells are adjusted for adjacent ENCs that are not in the same scheme





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CURRENT STATUS OF GRIDDING – BAND 2-4

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Gridding has started in Region B but mostly for usage band 5

Challenges of MS to change their ENC schemes due to the following;

- Designating resources towards Dual Fuel Production
- New discussions and agreements arising from changing coverages
- Prioritization of display scale harmonization
- Do not have the capacity to produce ENCs

MACHC actions based on the findings;

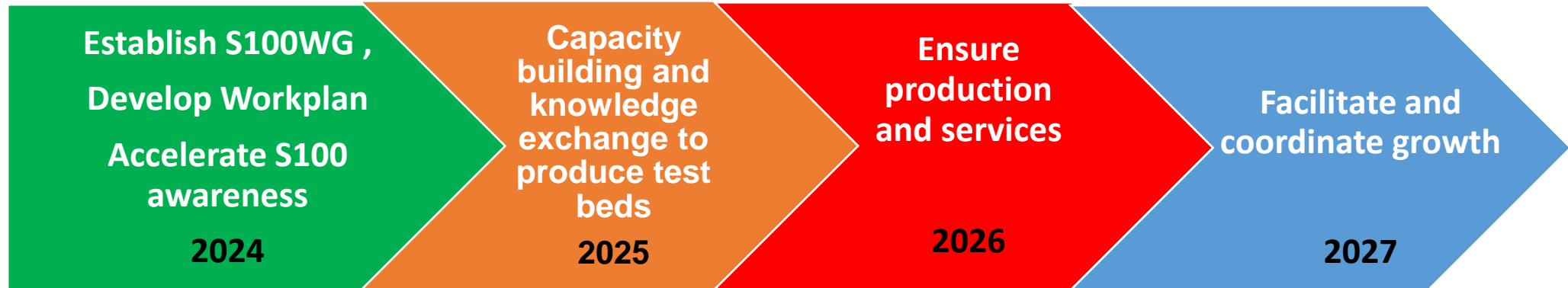
- Keep member states informed of gridding progress in the region and facilitate gap/overlap resolution
- Technical exchanges and share experience and best practices
- Collaboration between MS for production



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S100 ROADMAP FOR THE MACHC REGION

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ACTIONS TO BE CONSIDERED BY THE WENDWG

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1. WENDWG is invited to note the report from the MACHC



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THANK YOU VERY MUCH!

