

# South West Atlantic Hydrographic Commission (SWAtHC)

## Report to CBSC20



**Argentina**

**Brazil**

**Uruguay**

**Paraguay (Associate)**

**Bolivia (Observer)**

By Capt. (Ret.) Helber Carvalho

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SWAtHC Capacity Building Coordinator



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## Assessment of Capacity Building Phase Stage of Coastal States

Members	NHC or NHCC	CB Phase 1	CB Phase 2	CB Phase 3	Last TV
Argentina	2	4	4	4	N/R
Brazil	2	4	4	4	N/R
Uruguay	2	4	4	4	N/R
Paraguay (Associate)	2	2	2	1	2014
Bolivia (Observer)	2	2	2	1	*



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## Activities performed since CBSC19

In 2021, on 30 August, SWAtHC carried out a Hydrographic Awareness **Webinar**.

5 lectures were held:

- IMO (SOLAS Convention and Navigational Warning Service)
- IALA (with emphasis on aids to navigation - inland waters)
- IHO's Capacity Building Program
- Water level in estuaries and rivers
- Inland ENC's - cartographic production process

The Webinar had approximately **48 participants**,  
and the feedback was so good.



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## Activities performed since CBSC19

SWAtHC participated with 3 hydrographers in the **virtual training** kindly organized by UKHO, on January, 2022, whose contents were:

- Understanding ENCs,
- Introduction to S-57, and
- Compiling for Navigational Safety.

## Training of Foreign Countries Personnel:

- at DHN (Brazilian financing), in 2021, one Officer and a Petty Officer from Senegalese Defense Forces concluded the Course in Hydrography for Officers (CAHO) and the Course in Hydrography and Navigation for Petty Officers, respectively.



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## Activities planned for 2022

Nr.	Event	Budget	Status/Led by	Resources
A-16	Technical Visit to Bolivia	2,880 €	IHO - SWAtHC	IHO
P-34	Seminar on Raising Awareness of Hydrography (2 days)	3,160 €	SOHMA - Uruguay	IHO
P-40	Port and Shallow Water Survey Course (5 days)	12,080 €	DHN - Brazil	IHO

- Support of a Spanish-speaking volunteer, with experience in Technical Visits, to compose the team.
- SWAtHC intend to invite 2 representatives from MACHC and SEPRHC to participate in event P-40 approved for 2022.



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## Activities planned for 2023

Nr.	Event	Budget	Status/Led by	Resources
P-xx	MBES Data Processing Course (5 days)	12.192 €	SHN Argentina	IHO
P-xx	Data management course for ENC S-100 production (5 days)	14.250 €	SOHMA - Uruguay	IHO
P-xx	Tides and Water Level Workshop (5 days)	15.600 €	DHN - Brazil	IHO



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## IHO Empowering Women in Hydrography (EWH) Project

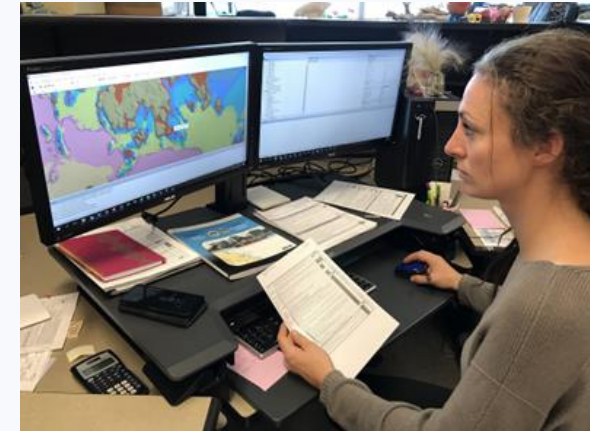
Women in leadership hydrography and cartography positions:

Argentina (SHN) - 2

Brazil (DHN) - 12

Uruguay (SOHMA) - 1

Total: 15



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## Challenges faced in the region

- To encourage Paraguay and Bolivia to join the SWAtHC as full members allowing their accession to the IHO.
- Improving the transition to S-100.
- Maintain in high level of capacity the knowledge regarding MSDI, MBES data acquisition, processing and quality control.



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## Conclusions

- The Webinar performed in August 2021 proved to be an effective method in disseminating knowledge to many people, over long distances with low costs.
- SWAtHC is working in high level of cooperation with other Hydrographic Commissions, according to IHO objectives and goals.
- The e-Learning became a usual reality, allowing to share knowledge to a major number of students and reducing costs, but it is relevant to keep in mind the importance of face-to-face activities.
- SWAtHC acknowledges the efforts of CBCS to support CB Activities.



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# Report to CBSC20

The CBSC is invited to:

- Note this report.
- The SWAtHC is proposing three events to be performed in 2023 and requires approval.
- Take any action considered appropriate

**Thank you!**

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