South West Atlantic Hydrographic Commission (SWAtHC) Report to CBSC22



Argentina

Brazil

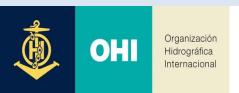
Uruguay

Paraguay (Associate)

Bolívia (Observer)

By Capt. (Ret.) Helber Carvalho

Directorate of Hydrography and Navigation - Brazil





Assessment of Capacity Building Phase Stage

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)	1	2	2	1	2014
Bolivia (Observer)	0	0	3	2	2023





From May 1 to 5, 2023, the Lieutenant Lucia Cattana (Argentina) participated in the 3rd IHO Assembly, in Monaco. She also participated, from July 5 to 10, 2023, in an experience at sea on Charleston Coast, South Carolina, onboard a NOAA Hydrographic vessel, activities supported by the IHO training project "Empowering Women in Hydrography." – EWH."











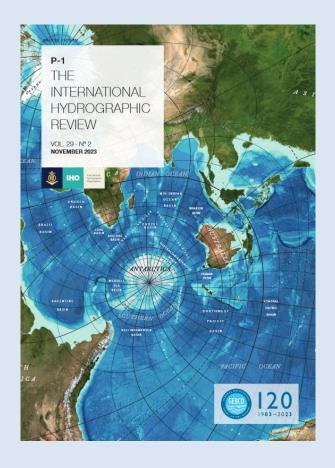
From July 10 to 21, 2023, the "Directorate of Hydrography and Navigation – DHN - Brasil", through the "Educational and Training Center Admiral Radler de Aquino - CIAARA", performed a course on Multibeam Systems Operation with theoretical and practical classes, including activities onboard a hydrographic boat. This course had 16 participants.











The International Hydrographic Review, in its November 2023 edition (Volume 29-2) published two (2) scientific articles by students from the Hydrography Course for Officers (CAHO), taught at the "Educational and Training Center Admiral Radler de Aquino – CIAARA/DHN/Brazil.









IHO-SINGAPORE LAB WORKSHOP ON S-57 TO S-101 6 – 10, November 2023





Three (3) representatives from SWAtHC participated (Argentina, Brazil and Uruguay).





IHO-SINGAPORE LAB WORKSHOP ON S-57 TO S-101





The representative from Brazil promoted a training at DHN, sharing the knowledge learned.





MACHC - TIDES TRAINING COURSE

November 13 - 17, 2023 (Quepos, Costa Rica)





Three (3) representatives from SWAtHC participated (Argentina, Brazil and Uruguay).

Many thanks for the kind invitation.





Report on the activities carried out in the beginning of 2024

In 2024, one day before the CHAtSO meeting, in April 8, the IV Hydrographic Awareness Seminar was performed, with the coordination of the Naval Hydrography Service (SHN - Argentina). This event was supported by the capacity building fund of the International Hydrographic Organization (CBSC-IHO) and had two objectives: the first one was to promote the development of the importance of hydrography for the CHAtSO Associate and Observer members, as well as to provide information on the state of the art in hydrography, especially regarding inland water activities.



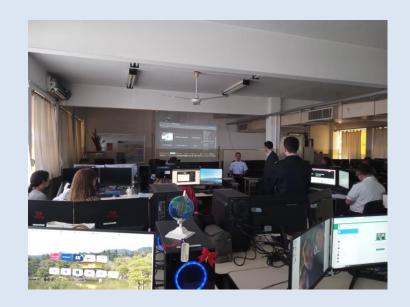






Report on the activities carried out in the beginning of 2024

In April 11, after the CHAtSO18 meeting, a workshop was held on tools for implementation ENC S-101 production and "Dual-Fuel" production (S-57 and S-101). This course had the support of the Argentina Naval Hydrographic Service and was also be offered free of charge by the Teledyne Geospatial.









Report on the activities carried out in the beginning of 2024

In May 6 to 10, 2024, the "International ENC Validation Training Course" was held at "Educational and Training Center Admiral Radler de Aquino – CIAARA/DHN/Brazil. This course was taught by IC-ENC instructors, with translation to Spanish. Students from several countries participated (Argentina, Brazil, Chile, Ecuador, Panamá, Peru, Uruguay and Venezuela), the total is sixteen (16).









Report to CBSC22

Activities planned for 2024

Nr.	Event	Budget	Status/Led by	Resources
P-09	Seminar on Raising Awareness in Hydrography (done)	4,520 €	SHN Argentina	IHO - funded
P-17	MBES Data Processing Course	16,100 €	SOHMA - Uruguay	IHO – not funded yet
P-25	Basic ENC S-100 production Course	37,026 €	SHN - Argentina	IHO – not funded yet
P-22	MSDI and data assessment Course	16,500 €	DHN - Brazil	IHO – not funde yet

- SWAtHC intend to invite 2 representatives from MACHC and SEPRHC to participate in the courses, in the case they will be approved for 2024.





Report to CBSC22

Activities planned for 2025

Nr.	Event	Budget	Status/Led by	Resources
P-xx	S-57 to S-101 conversion and S-100 production Course	To be estimated	DHN - Brazil	IHO
P-xx	MBES Acquisition and Processing Survey Course (5 days)	To be estimated	SHN - Argentina	IHO
P-xx	Tides and Water Level Workshop (5 days)	To be estimated	SOHMA – Uruguay	IHO







Challenges faced in the region

- The implementation of the S-100 is a goal that SWAtHC members are constantly striving to achieve.
- Resources (human, time, finance etc.) are limited, then prioritization is a fundamental issue.
- Another challenge is to encourage Paraguay and Bolivia to join the SWAtHC as full members following their accession to the IHO.





Conclusions

In 2023 and the beginning of 2024, the SWAtHC carried out 5 events in person: such as the Seminar coordinated by Argentina, which had a total of 29 participants, the Multibeam Bathymetry course, with practical activities in a hydrographic boat, the Symposium on "Maneuvering and Navigation", the Workshop on tools for implementation ENC S-101, and the International ENC Validation Training Course; as well as the representatives of our Region took part of EPW activities, Seminars and Workshops organized by MACHC and IHO.





Conclusions

The Capacity Building (CB) program in Hydrography is an important strategic issue for all countries, because it promotes technical development, disseminates knowledge related to the state of the art and encourages the integration of professionals from different Hydrographic Services.

The members of our Hydrographic Commission, as well as others, join efforts and optimize resources.





Action Required of CBSC22

The CBSC is invited to:

- a. Note this report.
- b. Take any action considered appropriate

THANK YOU / OBRIGADO!

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