





### INTERNATIONAL HYDROGRAPHIC ORGANIZATION

#### **Capacity Building Subcommittee**

South East Pacific Regional Hydrographic Commission (SEPRHC)
CB Report

Organizacion Hidrografica Internacional Commissions's Capacity Building Coordinator Cdr. (Ret.) Felipe Barrios Burnett



4 Member Sates: CHILE - COLOMBIA - ECUADOR - PERÚ

Observer: Panamá

President: PERÚ





### **Regional CB Coordination**

Region's States continue with their ICA-FIG-IHO Category "A" and "B" training programs, preparing and graduating hydrographers for their navies and foreign students.







#### **IHO-Founded CB Activities 2022**

Nr.	Title	Budget	Resources
P-07	Bathimetric Database Management	26 060 €	IHO
P-13	S-100 (training on assessment of status and execute step by step with practical excercises)	26 665 €	Not founded
P-17	Train for Training	26 665 €	Not founded
P-19	Nautical Paper Charts Quality Control (QC)	35 000 €	Not founded
P-22	S-101 Workshop	27 820 €	Not founded
P-23	S-102 Workshop	27 820 €	Not founded
P-36	Workshop on MSI (P-14 from 2021)	22 731 €	IHO 2021







#### **IHO-Founded CB Activities 2022**

P-07 "Bathymetric Database Management" 28-Nov to 02-Dec-2022.

INOCAR Guayaquil, Ecuador.

15 attendees: 11 SEPRHC, 2 SWAtHC, and 2 MACHC.









#### **IHO-Founded CB Activities 2022**

P-36 "Workshop on MSI" (P-14 from 2021 CBWP) 26 to 30-Sep-2023.

DIMAR-CIOH Cartagena de Indias, Colombia.

21 attendees: 17 SEPRHC, 2 SWAtHC, and 2 MACHC.













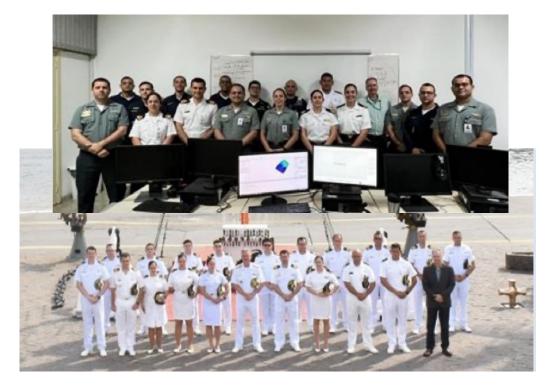
#### **IHO-Founded CB Activities 2022**

**SWAtHC Project** 

P-40 "Port and Shallow Water Survey Course" 10 to 14-Oct-2022

DHN Niteroi, Brazil

1 SEPRHC participant.









#### **IHO-Founded CB Activities 2023**

Nr.	PROJECT	BUDGET	RESOURCES
P-10	Workshop on MSDI implementation and development	26 655 €	Not yet founded
P-15	Administration and production on bathymetric Data Bases	23 150 €	Not yet founded
P-18	Workshop on QC and data processing	26 665 €	Not yet founded
P-19	Workshop on AUV for Hydrographic and Topographic Surveys	46 800 €	Not yet founded
P-22	S-101 and S-102 Workshop	30 247 €	Not yet founded
P-23	Use of automated statistical filters for bathymetric data processing.	23 150 €	Not yet founded







#### Other CB Activities 2022

- 1. ICA-FIG-IHO Category "A" and "B" training programs.
- 2. SEPRHC will keep developing its own capabilities organizing internships and workshops supported by each State Hydrographic Office budgets. Following the IHO SP:
  - a. MSDI national efforts
  - b. Incorporation of new survey technologies.
  - c. S-1XX trainings.
- 3. Region's States have applicants to invitations received from IHO to UKHO, Korea, UNH and USM training programs.





#### **Challenges**

- 1. Technical challenges:
  - a. Migration of the current work structure to the IHO S-100 and S-1XX Universal Hydrographic Data Model.
  - b. Surveying with new technologies likewise AUV's.
  - c. Geomorphological identification of underwater features.
- 2. Member States from the Region still face Budget constrains.





#### **Achievements and lessons learned**

- 1. Budgeting is an issue to achieve Regional CB goals.
- 2. SEPRHC works hard to stay at the forefront with its capabilities. Either on the production line, surveys and capacity building.
- 3. Despite better development on virtual education, in hydrography, practical teaching is definitively necessary for competence learning models, attitude and aptitudes to become complete professionals.
- 4. SEPRHC presented only one project for 2024 CBWP.







#### **Conclusions, Remarks and Actions Required**

- 1. SEPRHC acknowledges the CBSC effort to financially support the projects submitted, regarding the resources scarcity.
- 2. SEPRHC is committed to keep designing, proposing and carrying out Capacity Building activities according to IHO SP.
- 3. However, in respect of Regional objectives in Capacity Building, there is still much to do.





#### **Conclusions, Remarks and Actions Required**

The CBSC is invited to:

- a. Note the report
- b. Take any action consider appropriate.









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#### THANK YOU FOR YOUR ATTENTION

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