



# INTERNATIONAL HYDROGRAPHIC ORGANIZATION

## Capacity Building Subcommittee

South East Pacific Regional Hydrographic Commission (SEPRHC)  
CB Report

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



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**CBSC 21**

Tokyo, Japan 7 – 9 June 2022

CBSC21-05.1G



# SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



4 Member States: CHILE – COLOMBIA – ECUADOR – PERÚ

Observer: Panamá

President: PERÚ



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# SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



## 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.



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## 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 exercises)	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



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## 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.



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## 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.



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## 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.



# SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



## 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



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## 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.



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## 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.



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## 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.



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## 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.



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## Conclusions, Remarks and Actions Required

The CBSC is invited to:

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



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## Capacity Building Subcommittee

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**THANK YOU FOR YOUR ATTENTION**

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