



# INTERNATIONAL HYDROGRAPHIC ORGANIZATION

## Capacity Building Subcommittee

South East Pacific Regional Hydrographic Commission (SEPRHC)  
3yWP Update

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



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**CBSC 21**

Tokyo, Japan 7 – 9 June 2023

CBSC20-08.6D



# SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



4 Member States: CHILE – COLOMBIA – ECUADOR – PERÚ

Observer: Panamá

President: PERÚ



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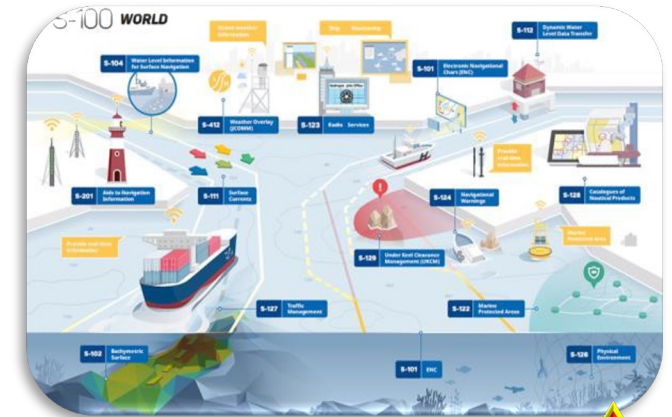
## Regional 3-year CBWP

### 1. Regional CB Strategic planning: Goals, Assessment and Action.

- Regional mission and vision.
- Aligned and following IHO new SP and WP.

### 2. Long, medium and short term strategy, considering:

- Regional Level of CB development.
- Regional challenges and necessities.



<http://s100.iho.int/home/s100-introduction>



**PROYECTO AÑO 2021 Y 2022**

Basado en los contenidos aprobados en la Comisión de Asesoramiento del Programa de Creación de Capacidades para el año 2021 (2020) y en el informe final del Plan Trienal Regional de Creación de Capacidades.

Basado en el estado de ejecución de los países, ¿pueden señalar los proyectos que están de interés prioritario para su país y cuáles serían sus objetivos?

Se aprobarán aquellos proyectos que cumplan con los requisitos del año 2021 y que estén contemplados en el Plan Trienal Regional de Creación de Capacidades de la OHI de América.

AÑO 2021

País	NOMBRE DEL PROYECTO	OBJETIVO
PERU		
CHILE		

AÑO 2022

País	NOMBRE DEL PROYECTO	OBJETIVO
PERU		
CHILE		

3. COOPERACIÓN INTERNACIONAL

De acuerdo a los planes trienales de desarrollo y/o planes presentados por otras Comisiones Hidrográficas Regionales, en especial la SEPRHC y la CHRCO (ver: <http://www.iho.int/SP100/>)

Se aprobarán todos los proyectos a menos que especifiquen en el que le interesa participar.

COMISIÓN REGIONAL	PROYECTOS	AÑO



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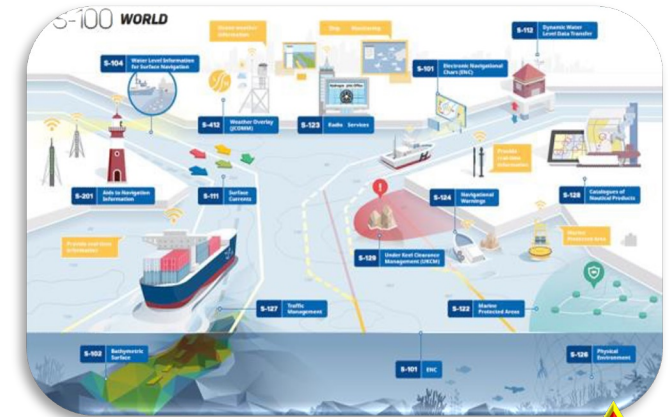


## Regional 3-year CBWP

Three lines of development, consequent and consistently with IHO SP.

### 3. Regional CB Goals:

- a. Migration to the OHI S-100 and its derived standards.
- b. MSDI, management, processing and quality control.
- c. New technologies in hydrographic surveys.



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## Regional 3-year CBWP

### Projects

#### 2023 CBWP

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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## Regional 3-year CBWP

### Projects

2024

YEAR	STATE	PROJECT/WORKSHOP	STATUS
2024	Perú	S-101 and 102 Workshop.	---

2025

YEAR	STATE	PROJECT/WORKSHOP	STATUS
2025	Chile	Course on Undersea Geoforms.	---
	Ecuador	Workshop on ellipsoid referred hydrographic surveys (ERS).	---
	Colombia	Crowdsourced Bathymetry (CSB) implementation in marine protected areas (MPA).	---
	Perú	Conversion from S-57 to S-101 seminar (S-100 production).	---
	Perú	Workshop on AUV for Hydrographic and Topographic Survey.	---



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## Regional 3-year CBWP

### 4. Internal Regional CB activities:

- Regular courses.
- Internships.
- Cruises and surveys.

### 5. Inter-regional coordination.

REGIONAL COMMISSION	PROJECT	INTERESTED STATE
MACHC	S-100 Production Course. S-57 to S-101 Transition.	Chile
SWA@HC	MBES Data Processing Course	Chile
	MSDI and Data Assessment	Ecuador
	AUV for near shore Hydrographic and Topographic Surveys	Perú
	MSI related workshops	Ecuador
EAHC	Seminar on S-57 to S-101 Transition	Chile

STATE	COURSE	YEAR	DURATION	REGULAR	OPEN TO FOREIGN STUDENTS	YEAR	STATE	THEME/TOPIC	DURATION	OPEN TO FOREIGNS
Chile	Hydrography Cat. "A"	2023	2 years	YES	YES	2023	Chile	Nautical Paper Chart and / or Electronic Cartography	5 days	YES
	Hydrography Cat. "A"	2024	2 years	YES	YES		Colombia	MSDI Database Vertical networks	5 days	YES
	Hydrography Cat. "A"	2025	2 years	YES	YES		Ecuador	Multi / Single Beam Hydrographic Surveys	10 days	NO
Hydrography Cat. "A"	2024	1.5 years	YES	YES	Perú		Hydrographic Surveys with autonomous vehicles	7 days	YES (*)	
Colombia	Hydrography Cat. "A"	2023	1.5 years	YES	YES	2024	Chile	---	---	---
	Hydrography Cat. "B"	2023	2 years	YES	YES		Colombia	Experiences acquired in Antarctic expedition.	1 day	YES
	Hydrography Cat. "B"	2024	1.5 years	YES	YES		Colombia	S-100 migration. State of progress	1 day	YES
	Hydrography Cat. "B"	2024	2 years	YES	YES		Ecuador	Hydrographic data base management	5 days	NO
	Hydrography Cat. "A"	2025	1.5 years	YES	YES		Perú	Deep waters Hydrographic Surveys	7 days	YES (*)
	Hydrography Cat. "B"	2025	2 years	YES	YES		Perú	Hydrographic Surveys with autonomous vehicles	7 days	YES (*)
Ecuador	Hydrography Cat. "B"	2023	1 year	NO	NO	2025	Chile	---	---	---
	Hydrography Cat. "B"	2024	1 year	NO	NO		Colombia	Tidal levels and currents	2 days	YES
Perú	Hydrography Cat. "B"	2023	1 year	YES	YES (*)	2025	Ecuador	Hydrographic applications (bathymetry and geodesy) on the extension of the outer limits of continental shelves (under UNCLOS)	5 days	YES
	Hydrography Cat. "B"	2024	1 year	YES	YES (*)		Perú	Azimuth propulsion course	2 weeks	NO
	Hydrography Cat. "B"	2025	1 year	YES	YES (*)					



YEAR	STATE	TYPE OF CRUISE/SHIP	DURATION	OPEN TO FOREIGNS
2023	Chile	Accordingly to Navy's Major Staff agreements	---	EVENTUALLY
	Colombia	Scientific research cruise	15 days	YES
	Ecuador	BAE "Orión" 2 Hydro-oceanographic cruises	60 days	YES
	Perú	BOP "Carrasco" Hydro-oceanographic cruise	30 days	YES (**)
2024	Perú	BOP "Carrasco" Marine-Geology cruise	30 days	YES (**)
	Perú	Antarctic expedition	4 months	YES (**)
	Chile	Accordingly to Navy's Major Staff agreements	---	EVENTUALLY
	Colombia	Scientific research cruise	15 days	YES
	Ecuador	BAE "Orión" 2 Hydro-oceanographic cruises	15 days	YES
	Perú	BOP "Carrasco" Hydro-oceanographic cruise	30 days	YES (**)
2025	Perú	BOP "Carrasco" Marine-Geology cruise	30 days	YES (**)
	Perú	Antarctic expedition	4 months	YES (**)
	Chile	Accordingly to Navy's Major Staff agreements	---	EVENTUALLY
	Colombia	Scientific research cruise	15 days	YES
Ecuador	BAE "Orión" Hydro-oceanographic cruises	30 days	YES	
	Perú	BOP "Carrasco" Hydro-oceanographic cruise	30 days	YES (**)



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## Conclusions Remarks and Actions Required

1. SEPRHC CB delegates keep working on following New IHO SP.
2. The Region is maintaining its efforts at local level. Inter-regional coordination has been proven successful and very productive.
3. Resources scarcity has led to search better and stronger coordination. Thus only one project for 2024 CBWP.
4. 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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**THANK YOU FOR YOUR ATTENTION**

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10