



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



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022



SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



4 Member States: CHILE – COLOMBIA – ECUADOR – PERÚ

Observer: Panamá

President: PERÚ



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022

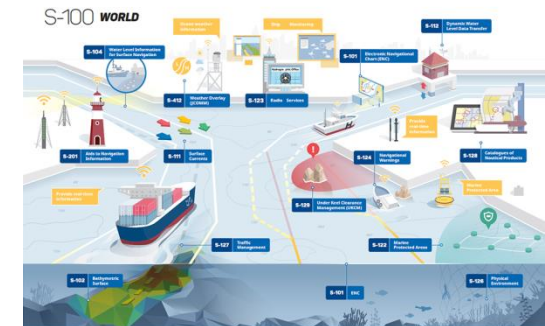
CBSC20-05.1G

SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



Regional Coordination

- Inter-meetings follow up:
 - 31 August 2021
 - 25 november 2021
 - 25 may 2022
- 3-year CB Regional Plan update.



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

Main Lines Of Development and Capacity Building according to development stages:

- Migration to S-100 and its derived standards.
- MSDI, management, processing and quality control.
- Use of new technologies in hydrographic surveys.

COMISIÓN HIDROGRÁFICA REGIONAL DEL PACÍFICO SURESTE (CHRPSE)

Plan Trienal 2021 - 2023

PROCESO DE PLANIFICACIÓN CB

PLAN TRIENAL VIGENTE

ESTRATEGIA LARGO PLAZO → MISIÓN VISIÓN

ESTRATEGIA MEDIANO PLAZO → EJE OBJETIVOS

ESTRATEGIA CORTO PLAZO → CURSOS PROYECTOS ACTIVIDADES RECURSOS

REVISAR

- Conciencia
- Evaluación
- Análisis
- Acción

IHO CAPACITY BUILDING SUB-COMMITTEE (CBSC)

Actualización Plan Trienal 2021 - 2023

IDENTIFICACIÓN PUNTO DE CONTACTO

1. FASES DEL DESARROLLO DE LAS CAPACIDADES

2. PROFESIONALES AÑO 2022 Y 2023

3. COOPERACIÓN INTERREGIONAL



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022

CBSC20-05.1G



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.



OH I

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022

CBSC20-05.1G



SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



Regional CB Coordination

Activities 2021

1. Virtual Course in Coach Training in Korea 2021.
2. Course in Marine Geospatial Analysis and Cartography.
3. Virtual courses on maritime signalling: Maritime lights and beacons. Management of the authorization process to install, modify and/or extend Navigation Aids.



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022

CBSC20-05.1G



SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



IHO-Founded CB Activities 2021

| Nr. | Title | Budget | Resources |
|------|--|----------|-----------------|
| P-14 | Workshop on MSI ⇒ 2022 | 22 731 € | IHO |
| P-22 | Workshop “Update coastline for nautical cartography through the use of unmanned aerial vehicles” | 29 499 € | Not yet founded |
| P-27 | Workshop on CSB | 29 740 € | Not yet founded |
| P-30 | Technical Workshop on standarization in the use of software tools “CARIS Composer Paper Chart” | 27 820 € | Not yet founded |



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022

CBSC20-05.1G



SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



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 yet founded |
| P-17 | Train for Training | 26 665 € | Not yet founded |
| P-19 | Nautical Paper Charts Quality Control (QC) | 35 000 € | Not yet founded |
| P-22 | S-101 Workshop | 27 820 € | Not yet founded |
| P-23 | S-102 Workshop | 27 820 € | Not yet founded |
| P-36 | Workshop on MSI (P-14 from 2021) | 22 731 € | IHO |



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022



SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



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.



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022



SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



Challenges

1. Technical:
 - a. Migration of the current work structure to the IHO S-100 and S-1XX Universal Hydrographic Data Model.
 - b. Survey of hydrographic and topographic data with AUV's technology.
2. Budget: Pandemic drove governments to redirect priorities, declining and reducing resources for Hydrographic Offices.



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022

CBSC20-05.1G



SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



Achievements and lessons learned

1. Despite pandemic, budget issues and non-financed projects, the Region works hard to stay at the forefront with its capabilities. Either on the production line, surveys and capacity building.
2. Development of virtual education, but in hydrography, practical teaching is definitively necessary. Competence learning models, attitude and aptitudes to become complete professionals.
3. The last couple of years, adaptation has been the motto.



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022

CBSC20-05.1G



SOUTH EAST PACIFIC REGIONAL HYDROGRAPHIC COMMISSION (SEPRHC)



Conclusions, Remarks and Actions Required

1. Many challenges have been faced globally and by the Region, nevertheless and against the odds, SEPRHC is committed to keep designing, proposing and carrying out Capacity Building activities according to IHO SP.
2. CBSC is invited to take note of this report.



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022

CBSC20-05.1G





INTERNATIONAL HYDROGRAPHIC ORGANIZATION

Capacity Building Subcommittee

South East Pacific Regional Hydrographic Commission (SEPRHC)
CB Report

THANK YOU FOR YOUR ATTENTION

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



OHI

Organizacion
Hidrografica
Internacional

CBSC 20 Meeting

Denpasar – Bali, Indonesia + VTC, 1 – 3 June 2022

CBSC20-05.1G

