

---

# 21<sup>st</sup> Meeting of the South West Pacific Regional Hydrographic Commission

## Capacity Building Report

Matt Borbash



IHO

International  
Hydrographic  
Organization



# Overview

---

1. CBSC21, CBSC21 and CBSC22 Intersessional Updates
2. CBSC Project Group Update
3. SWPHC CB Activities 2023 / 2024 - (funded activities)
4. Current Funded Opportunities
5. SWPHC 3 Year Plan (2024-2026) Proposals for 2025 Workplan



IHO

International  
Hydrographic  
Organization



# 1. CBSC21 & CBSC22 Meetings and Intersessionals

---

**CBSC21 Intersessional Meeting** VTC, 13 March 2023

**CBSC21 Meeting** 7-9 June 2023, Tokyo, Japan

**CBSC22 Intersessional Meeting** VTC, 7 February 2024

- Increase in the number of activities completed in the past year.
- Agreed funded activities not completed would be carried into the 2023 Workplan due to existing backlog
- Key items discussed were the updates by the project teams and the outcomes from A-3
- 60,000 Euro contribution from ROK



# 1. CBSC Project Groups update

---

## eLearning Platform Project

Project Team have developed Guidelines for the running of the eLearning Platform.

- At IRCC15 it was agreed that the PT would now be disbanded and via CL there was a call for participants on the eLearning Centre Steering Committee
- Platform will further develop in phases

Request that any eLearning that has been developed (or there is an awareness of) be shared for consideration



IHO

International  
Hydrographic  
Organization



## 2. Assembly 3 Outcomes relevant to CBSC

---

- Funding – It was proposed and agreed at A-3 that the CB budget would be set at 60,000 Euros (CB demand = 578,000 Euros)
- Proposal 3.5 to A-3, Establishment of a Taskforce to explore the potential merits, structures, and options for alternate fund generation to support Capacity Building and other IHO initiatives
  - Note: more funds = more need for people to support



IHO

International  
Hydrographic  
Organization



# 3. SWPHC 2023/2024 CB Update (funded activities)

---

## 2023

- [Technical Workshop on Hydrographic Governance](#) (Feb)
- [Hydrographic Leaders Programme Summary](#) (May)
- [MSI Regional Workshop](#) (Jul)
- [SWPHC S-100 Workshop #3 – S-100 Implementation](#) (Nov)

## 2024

- Disaster Response Workshop (Feb)



IHO

International  
Hydrographic  
Organization



## 4. Current Course Offerings – Regular Earmarked Funds

1. **Master of Science Programme in Hydrographic Science at the University of Southern Mississippi (USA)**, 2 students, **Cat A**, sponsored by the Republic of Korea (1 year) [CL27/2023] - Normal invitation in August of previous year
2. **GEOMAC courses in Cartography**, 7 students, **Cat B**, UKHO - sponsored by Nippon Foundation (5 months) [CL03/2024] - Normal invitation in February
3. **Hydrographic Survey Programme in Nautical Cartography**, 10 students, **Cat B**, sponsored by the Republic of Korea (20 weeks) [CL44/2023] - Normal invitation in February



IHO

International  
Hydrographic  
Organization



# CB Workshop on Hydrographic Governance

## February 2023 Wellington, NZ

- Intent

- To build institutional knowledge and capability to develop and implement enduring Hydrographic Governance
- To provide the knowledge and roadmap to deliver an effective institutional framework for Hydrographic Governance
- To work with PICTs to develop a Hydrographic Governance structure that is fit for purpose and meets each PICTs requirements
- To share experience and knowledge between SWPHC members
- To build enduring relationships with representatives from SWPHC



IHO

International  
Hydrographic  
Organization





# Regional Workshop on Maritime Safety Information

July 2023 Nadi, FJ

## • Intent

- Increase flow of MSI to the NAVAREA X and XIV Coordinators and grow expertise within the PICTs to fulfill National Coordinator roles

Ensure all attendees:

- Endeavour to be informed of events that could significantly affect the safety of navigation within their coastal region
- Assess all information for relevance to safety of navigation in their coastal region
- Draft navigational warnings in accordance with the Joint IMO/IHO/WMO Manual on MSI
- Forward MSI for further promulgation to the NAVAREA Coordinator using the quickest means possible



IHO

International  
Hydrographic  
Organization



# Technical Workshop on Disaster Response

February 2023 Nadi, FJ

- Intent

- Exercise and refine the SWPHC Disaster Response Framework

Ensure all attendees:

- Understand the intent of the Framework
- Understand the role of the Commission during and after a disaster
- Are familiar with necessary readiness and response actions
- Are familiar with specific communication requirements



IHO

International  
Hydrographic  
Organization



# Technical Workshop on Disaster Response

February 2023 Nadi, FJ

---

- Outcomes
  - Draft Framework was:
    - reviewed by MS in preparation for the Workshop
    - reviewed in detail on Day 1 of Workshop to ensure common understanding, intent, and to seek suggestions for improvement
    - exercised on Day 2 of Workshop using a simulated tropical cyclone impacting Kiribati as backdrop to ensure effectiveness and relevance
    - revised with suggested improvements to clarify Readiness and Response actions and the Response Work Flow
    - deemed complete by all SWPHC MS in attendance, satisfying the requirement set forth in Clause M of SWPHC Statutes



IHO

International  
Hydrographic  
Organization



# Technical Workshop on Disaster Response

February 2023 Nadi, FJ

---

- Outcomes
  - Suggested Actions for the Commission
    - Establish a Disaster Response Coordinator position to manage the Framework; annually solicit and update Annex B's (POCs); and support the Chair in executing Disaster Response actions, as necessary
    - Request MS update Annex B in accordance with the Framework



IHO

International  
Hydrographic  
Organization





IHO

International  
Hydrographic  
Organization



# Tea Break



IHO

International  
Hydrographic  
Organization

South West Pacific Hydrographic Commission



# 5. SWPHC 2024 – 2026 Workplan

---

## Timeline for submission for 2025

March '24	Final requests for CB activities to CB Coordinator
April	Submitted via the CB Coordinator to the Capacity Building Sub Committee in April for consideration
June	Finalised Capacity Work plan for following year.



IHO

International  
Hydrographic  
Organization



# Capacity Building Strategy Working Group

---

## 1. **Action Item 41 from SWPHC20** – *Establish a CB WG to develop a SWPHC CB Strategy*

**Intent:** Build and conduct a baseline CB audit; Use the audit to create a relevant 3-5 year CB Strategy

**WG Members:** M. Borbash, S. Caie, B. Cavuilati, A. Greenland, T. Maddison, D. Miners, D. Petrus, N. Pion, J. Robinson, J. Simon, R. Vanderschoor

**Schedule:** Met virtually 5 times between April '23 and January '24



**IHO**

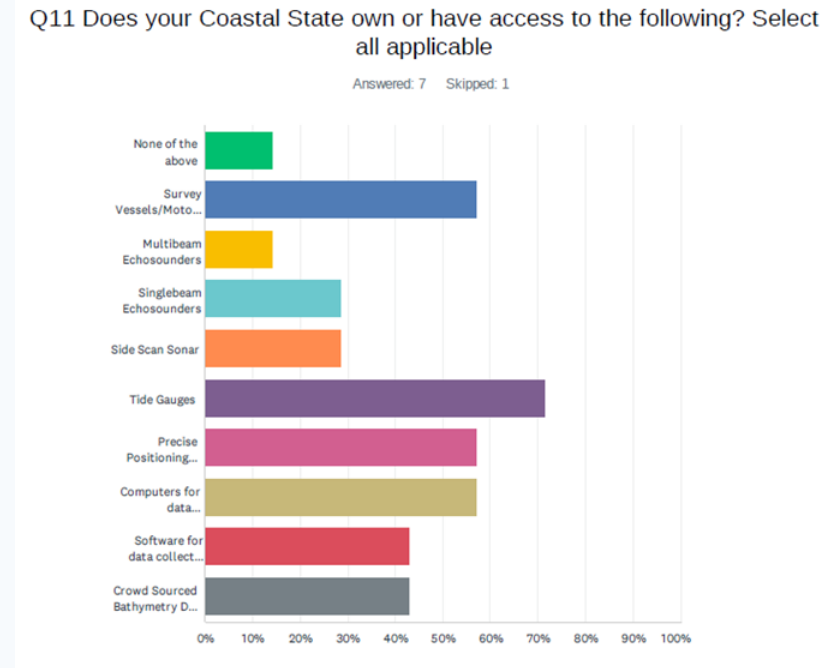
International  
Hydrographic  
Organization



# Capacity Building Audit

22 Question, online survey, hosted by UKHO and Survey Monkey, 5 Jan – 2 Feb '24

- Demographics
- Assessed current phase and desire to grow
- State of current workforce and training
- State of current equipment and software
- Capability to survey, process data, produce charts (paper/ENC)
- State of governance and PCA Relations



- 8 PICTs participated in the survey: **Cook Islands, Fiji, Kiribati, Palau, Papua New Guinea, Samoa, Solomon Islands, Vanuatu**



IHO

International  
Hydrographic  
Organization





# Capacity Building Audit

---

## Analysis - General Summary

- All responding PICTs are constrained by insufficient funding for hydrography
  - Limits size and breadth of workforce, availability of equipment, and capacity to conduct survey, processing, and charting
- All responding PICTs desire to grow their capability Phase!
- PICTs with active national institutional arrangements for hydrography are in overall better health or state of capability – HYDROGRAPHIC GOVERNANCE is critical
- NONE of the responding PICTs produce ENCs



IHO

International  
Hydrographic  
Organization

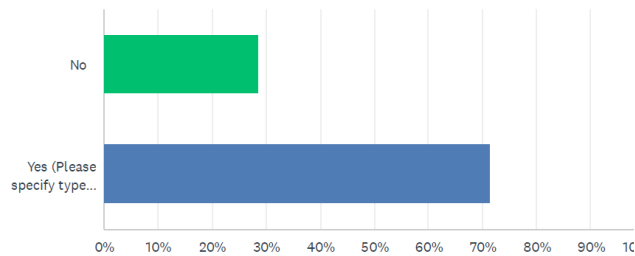


# Capacity Building Audit

## Analysis - Needs Summary

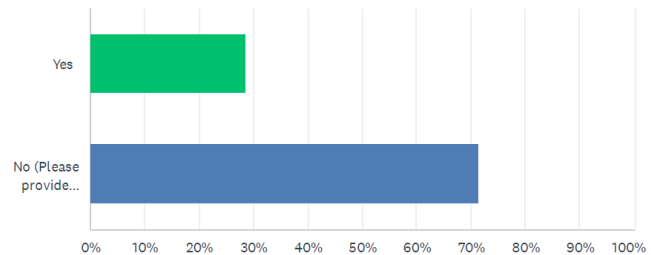
Q14 Does your organisation or coastal state have capability to plan and execute bathymetric surveys?

Answered: 7 Skipped: 1



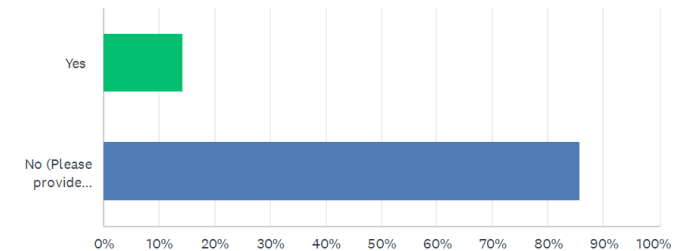
Q15 Does your organisation or coastal state have capability to process bathymetric data?

Answered: 7 Skipped: 1



Q16 Does your organisation or coastal state produce their own paper navigational charts?

Answered: 7 Skipped: 1



IHO

International  
Hydrographic  
Organization



# Capacity Building Audit

---

## Analysis - Needs Summary

- Sonar – only 1 MB and 2 SB identified in the survey
- Vessels – only 1 dedicated survey vessel identified in the survey
- Data processing software and associated training
- CAT A & B trained surveyors - resource (people and funding) dependent
- Trained cartographers; there is strong desire to produce own charts (go straight to S100)
- Legal/Policy advising expertise



IHO

International  
Hydrographic  
Organization



# Capacity Building Audit

---

## Ideas for Future Capacity Building Efforts:

- Equipment donations (and resource tails)
- Software and training
- Legal consulting
- Institutional Arrangement focused *Technical Visits*
- More Hydrographic Governance
- PCA led *familiarization* workshops



IHO

International  
Hydrographic  
Organization



# 6. SWPHC 2024 – 2026 Workplan - 2025

---

## **Current proposed activities for 2025 endorsement are:**

1. Maritime Safety Information Regional Workshop
2. ??



**IHO**

International  
Hydrographic  
Organization



---

SWPHC Members are requested to:

1. Note this report
2. Suggest specific CB related events for inclusion in the 2025 Workplan
3. Inform CB Coordinator of any wider CB opportunities that the SWPHC region can benefit from (also for inclusion in the IHO Calendar)
4. Review the SWPHC Countries/Territories Capacity Building Phase Stage (Procedure 11) and provide updates to SWPHC CB Coordinator.
5. Consider volunteering to participate on the CB Strategy Working Group
6. Consider establishing a Disaster Response Coordinator position



IHO

International  
Hydrographic  
Organization

