



Capacity Building Sub-Committee (CBSC)

Report to IRCC16

By Evert Flier
CBSC Chair



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Capacity Building in 2023/2024

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- eLearning Centre
- Empowering Women in Hydrography
- Challenges of funding levels
- 13th Joint IHO/IMO/WMO/IOC/IALA/IAEA/FIG/IMPA Capacity Building (CB) Coordination Meeting

IRCC16

Santa Cruz Island - Galapagos, Ecuador, 10 – 12 June 2024



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Capacity Building Fund

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The Capacity Building Fund receives regular contribution from two sources:

- IHO budget (regular annual contributions and eventual contributions from budget surplus, current level & developments)
- Donations made by
 - governments,
 - other international organizations,
 - funding agencies,
 - public or private institutions,
 - associations or private individuals in support of IHO CB.



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Contribution to Capacity Building

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Contribution from Republic of Korea

Republic of Korea contributes significantly to CB, in 2024 more than 656K€.

The Programme Management Board (PMB), consisting of representatives from ROK and IHO. Almost all contribution is earmarked for designated projects. Major normal projects are:

- Funding students from IHO MS for Cat "A" Hydrography at USM
- Training for Trainers
- Cat "B" Hydrography at KHOA, Busan, ROK



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Contribution of Japan through the Nippon Foundation

Japan continuously provides its important input through the Nippon Foundation (NF) by funding CB training projects.

The NF-IHO GEOMAC [former CHART]) Project is fully funded by the NF.

The NF is substantially funding other projects outside the direct context of the IHO CB, among which the ocean mapping training course at the University of New Hampshire that has annually trained 6 students from all over the world for the last 20 years.



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Contribution to Capacity Building

Contribution of Member States

Due to additional and continued support from Member States (Belgium, Canada, Denmark, France, Norway and UK) the EWH project continues as supported by the decision of the 7th meeting of the Council. Events since IRCC15 include:

- Continuation of the Mentoring Programme.
- 2 opportunities from SHOM (France) training in hydrography (HYDRO-3 / AFHy)
- 3 opportunities to participate in hydrographic and oceanographic survey activities aboard two SHOM research vessels
- Webinar 8 March with the World Maritime University



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Current and future activities include:

- NOAA's (USA) offered three opportunities for an at-sea experience/advanced training on NOAA hydrographic survey vessels for 2024, associated with the EWH project
- Secondment to IC-ENC on eLearning Creation
- Hiring an EWH assistant
- Continuation of the Mentoring Programme supported by UKHO
- Internships / Secondments
- Funding support via UK Gender Balance Fund



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Contribution from other Member States

Several MS provide support for IHO CB activities.

(provision of facilities, trainers, personnel, advice ...)

The CB programme depends on these contributions.

Virtual CB activities organized for one RHC but accessible for other RHCs are now presented on a CB activity calendar to allow for better planning and increased participation.



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Contribution from the RENCs

- Both RENCs have presented plans for contributions to the CB Work Programme.
- IC-ENC: “opt in” initiative.
- The first CB activity funded from this new fund was an ENC Quality Assessment & Conversion Course successfully organized by MBSHC.
- The PRIMAR Advisory Committee will discuss similar approach in November this year.
- PRIMAR: full e-learning package for five Non-RENC Member States (MS), up to five persons per MS.



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Crowdsourced Bathymetry

Crowdsourced Bathymetry was presented as a potential powerful tool for Capacity Building in regions with limited professional survey capabilities.

The CB coordinators were tasked to reach out to the CSB/SB2030 coordinators in their region to discuss CSB opportunities.



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CB Fund in 2024

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For the Finance Report - 2024	IHO-ROK	ROK	Nippon	Total
Balance 2023	357,326.75	886,994.16	0.00	1,244,320.91
Income 2024	65,000.00	656,213.00	436,077.00	1,157,290.00
Expected Surplus from IHO budget				0.00
Contribute from ROK (non earmarked)	60,000.00			
Available for 2024	482,326.75	1,543,207.16	436,077.00	2,461,610.91
Earmarked 2024	0.00	0.00	436,077.00	-436,077.00
Regular CBWP 2024	-293,265.00	1,543,207.16	0.00	1,249,942.16
Expected Balance in 31/12/2024	189,061.75			
Projects not funded at 2024 CBWP	476,720.00			

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CB Fund in 2025

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	IHO	ROK	Nippon	Total
Expected Balance end 2024	64,061.75			64,061.75
Expected Income from IHO 2024	65,000.00	*	*	65,000.00
Expected Income from ROK 2024	60,000.00	*	*	60,000.00
Expected Surplus from IHO budget				0
Available for 2025	189,061.75	*	*	189,061.75



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Capacity Building Work Programme

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Capacity Building Work Programme 2024

- Activities that were not completed due to the COVID-19 pandemic can now be completed.
- it was agreed that funded activities not completed would no longer be carried over into the following years workplan.

Capacity Building Work Programme 2025

- Submissions from the RHCs have been prioritized at CBSC22.
- The accepted submissions would need funds more than 577,000 €.
- The Work Programme allocates 60,000 € but with additional funds stands at 189,061 €



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Problems encountered

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CBSC Engagement

- CB Coordinators from 3 RHCS unable to attend CBSC22
- CBSC continues to seek wider membership.

Limited CB Fund

- Capacity Building in Hydrography is a core strategic issue within the IHO, especially at IRCC and Council meetings.
- Continuous low levels of IHO CB budget for non-earmarked CB activities in upcoming years that have been partly compensated by the contributions from ROK and from the surplus of the IHO budget.



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IHO eLearning Centre

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- The IHO eLearning Centre Steering Committee (SC) has formed and met virtually 3 times
- A General Manager Group has formed from the SC who in collaboration with the System Manager will assess any submitted material
- A System Manager is provided by the Republic of Korea to maintain the system. Their continued support is greatly appreciated.
- The eLearning Site has been improved
- The SC continue to seek eLearning Material from Member States and partner organisations to be added to the eLearning Centre Platform



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Action requested of IRCC

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- a. note the report,
- b. recommend RHCs to ensure representation of their region in the CBSC and encourage other IHO Member States to join in the work of the CBSC.
- c. encourage Member States to contribute eLearning material to the IHO eLearning Centre.
- d. Encourage RHC's to investigate CSB opportunities to improve seabed knowledge in their region.
- e. note the significant effort from CB Coordinators to assess the needs in the region, to identify national and regional projects that may contribute to the CBWP and to coordinate the support for countries in need.
- f. recognise the contribution of Republic of Korea, Nippon Foundation of Japan, RENC's and other Member States to the Capacity Building Activities of the IHO.
- g. take any further action as seen appropriate.



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22nd Meeting of the Capacity Building Sub-Committee

5 - 7 June 2024, Santa Cruz - Galápagos, Ecuador



Thank you for your
support in Capacity
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