

**13th MEETING OF THE IHO INTER-REGIONAL COORDINATING COMMITTEE
IHO-IRCC13
VTC-meeting, 23-25 June 2021**

Report of the Capacity Building Sub-Committee (CBSC)

Submitted by:	Chair CBSC
Related Documents:	/
Related Projects:	/

Chair:	Evert FLIER, Norway
Vice-Chair:	Luiz Claudio FONSECA, Brazil, until 26 February 2021 Lucy FIELDHOUSE, UK, from 26 February 2021
Secretary:	Leonel MANTEIGAS, IHO Secretariat
Member States:	Brazil, Chile, France, Germany, India, Indonesia, Iran (Islamic Republic of), Italy, Japan, Latvia, Mexico, Mozambique, Nigeria, New Zealand, Norway, Republic of Korea, Spain, South Africa, Turkey, UK and USA, several of them are representing RHCs as CB-Coordinators.
Expert Contributors:	/
<i>see Annex for full details</i>	

1. Meetings Held During Reporting Period

CBSC19 Intersessional 25 and 26 February 2021, VTC.
CBSC19 9 and 10 June 2021, VTC

Next meetings:

CBSC20 May/June 2022, Galapagos, Ecuador, tbc (Japan as backup)
CBSC21 May/June 2023, Japan

2. Work Program

Details of the Capacity Building Work Programme are available at the IHO website (www.iho.int/cbcs). This report provides a summary.

Capacity Building Fund

The Capacity Building Fund receives regular contribution from two sources:

- IHO budget (both regular annual contributions and eventual contributions from budget surplus).
- Donations made by governments, other international organizations, funding agencies, public or private institutions, associations or private individuals in support of IHO Capacity Building initiatives.

The financial situation for 2021, considering the executed and the planned projects is shown in the following table, including in the IHO column the contribution of 40 K€ from ROK to the CBWP non earmarked projects. The expected negative Balance of the IHO funds is related with the additional approbation of the CBWP A-09 and is about 1.5% of the budget.

	IHO	ROK	Nippon	Total
Balance 2020	266,956.09	318,203.20	265,291.00	850,450.29
Income 2021	125,000.00	275,425.97	298,866.00	699,291.97
Contribute from ROK (non earmarked)	40,000.00	-	-	40,000.00
Available for 2021	431,956.09	593,629.17	564,157.00	1,589,742.26
Expected Expenditures in 2021 CBWP	-438,914.54	-221,184.99	-265,291.00	-925,390.53
Expected Balance in 31/12/2021	-6,958.45	372,444.18	298,866.00	664,351.73
Projects not funded at 2021 CBWP	554,458.00	-	-	554,458.00

Expected balance of the CB Fund available for the 2022 CBWP

	IHO	ROK	Nippon	Total
Expected balance 2021	-6,958.45	372,444.18	298,866.00	664,351.73
Expected income in 2022	85,000.00	315,000.00	298,866.00	698,866.00
Expected surplus from IHO	-	-	-	0.00
Available for 2022	78,041.55	687,444.18	597,732.00	1,363,217.73
Earmarked projects 2022	0.00	-513,040.66	-597,732.00	1,110,772.66
Regular CBWP projects 2022	TBC	513,040.66	597,732.00	1,110,772.66
Balance <u>expected</u> by 31/12/2022	TBC	0.00	0.00	TBC
Projects not funded at 2022 CBWP	TBC	-	-	0.00

Note: the figures above are estimated values.

Proposal PRO-1.7 approved by A-2 established the following regular contribution from the IHO budget to the CB Fund: 125 k€ in 2021, 85 k€ in 2022 and 65k€ in 2023.

The CB Fund does not include the direct contributions from MSs or other organizations. Their significant support either direct or through contributions to the CBWP is a very important part of CB not reflected in the CB Fund, except those from Republic of Korea and Nippon Foundation.

Contribution from Republic of Korea

The Republic of Korea contributes significantly to the CB Work plan. Although no projects were carried out in 2020 due to the pandemic, in 2021 ROK maintained the level of the contribution and provided more than 315 K€ for the CBWP. The Programme Management Board (PMB), consisting of representatives from the Republic of Korea (RoK), the IHO Secretariat and the CBSC Chair, coordinated the Korean contribution under the current MoU. Almost all of the contribution is earmarked for designated projects but, in 2021 also a

contribution of 40K€ was made to the non earmarked activities of the CBWP2021. Major projects currently are the funding of students from IHO Member States for the Category "A" Hydrographic Survey Program at USM, and the Training for Trainers (TFT) project and a Category "B" Hydrographic Survey Program held at KHOA, Busan, ROK. The programme is being reviewed regularly.

Contribution of Japan through the Nippon Foundation

Japan continues to provide its important contribution through the Nippon Foundation (NF) by funding CB training projects. Replacing the former NF-IHO CHART project, in 2020 a new MoU between NF and IHO was signed, to implement the Nippon Foundation-IHO Geospatial Marine Analysis and Cartography (GEOMAC) Project. The NF provides a financial contribution to the IHO annually to fully fund the NF-IHO GEOMAC Project. The NF is substantially funding other projects outside the direct context of the IHO CB. In 2020 the scheduled course commenced with the first element of the course adapted to be delivered virtually to participants, due to the travelling restrictions course could not be fully completed, it is hoped that the course will commence in 2021 and two will be completed in 2022.

Contribution of Canada, empowering women in hydrography

The Empowering Women in Hydrography work item, that aims to contribute to more women participate equitably in the field of hydrography and assume leadership roles within the hydrographic community, was approved to be in the Work Programme of the IHO CBSC by the 2nd Session of the IHO Assembly.

Just recently CANADA and the IHO signed the Agreement that secures up to \$CAD 296,700 funds for the next three years.

The next step of this project will be the first meeting of the Project Team, not schedule yet, where the Work Program will be defined.

In the future it is expected to have among other activities: outreach initiatives; workshops; participation in conferences and IHO meetings; internships in the IHO and in Member States; and, other IHO activities. It is also expected that other Member States will actively participate and want to contribute above and beyond to build on the initial funding from Canada, such as the intention already stated by NOAA at IRCC12.

Contribution from other MS

Several MS provide direct contribution or support for IHO CB activities. This can be a.o. the provision of facilities, trainers, other personnel, advice, etc.

The CB programme depends on these contributions to the CB programme. Other MS provide support on a bilateral or multilateral level outside the CB programme. That also helps to support CB in hydrography. To improve the visibility of the contribution from MS outside the CB fund and to harmonize the efforts even better, MS are requested to inform their relevant CB Coordinators or the CBSC Secretary about planned, ongoing or executed activities.

Capacity Building Work Programme 2021

The WP for 2021 has updated in the CBSC19 Intersessional Meeting. It is expected that several won't be executed as planned due to the COVID-19 pandemic. Some of them probably will be postponed and for some alternative methods should be developed and tested. The bigger surplus estimated for the end of 2020 will therefore urgently be needed to execute the CBWP2022 having the CBSC already decided that the funded projects could be postponed maintaining the funds.

Capacity Building Work Programme 2022

The submissions from the RHCs have been prioritized based on procedure 4 and adjusted according to Procedure 11 at CBSC18. The accepted submissions would need funds of about 1,520,000 €. The Work Programme allocates about 1,260,000 €.

Publication C-55

C-55 is an important external IHO document, used by IMO as source for the status of survey and cartography worldwide. Our present method of inserting data for the survey status is resource demanding for the member states, allows for different interpretations and differentiates for only two depth intervals (<200m, >200m). The C-55RPT was tasked to deal with these challenges. As a temporary solution, accepted by IRCC11, we can now insert data into C-55, extracting CATZOC automatically from the RENC's, and dividing the low depth interval in two: 0-50m and 50-200m. This allows for much needed harmonization of data insertion and for the data becoming more navigationally relevant. The C-55RPT has now been dissolved.

3. Progress on IRCC Action Items

Action 07 – Revision of the CB Strategy in order to be aligned with the new IHO Strategic Plan. CBSC established a Project Team, with Mr. Matthew Borbash as Chair and Ms. Lucy Fieldhouse as Vice-Chair, to prepare the new CB Strategic Plan.

Recommendation 12: Consider developing and implementing a system with face to face and also e-Learning activities in the CB training. This is ongoing.

Recommendation 13: To set up a system of performance indicators to measure the effectiveness and efficiency of CB activities. It is expected to be one of the outcomes of the work of the CB Strategy PT.

4. Problems Encountered

Limited CB Fund

Capacity Building in Hydrography is a core strategic activity for the IHO. CB is executed on many different levels; by individual nations having their own CB program, through earmarked projects generously sponsored by the Republic of Korea and by the Nippon

Foundation in Japan and through the activities funded by the IHO budget. The appeal of the CBSC to ascertain a minimum level of funds for this last category has led to a significant attention and fruitful discussions on all levels of the IHO. However, the available means and resources to implement the CB strategy are limited with the funds approved for the CBWP 2022 and 2023 severely reduced.

Online Meetings

The Online meetings have several disadvantages in relation with the regular meetings but are much more flexible and almost without expenses beyond the participants' time. Having this in consideration, in February of 2021 CBSC hosted an intersessional meeting that was very important to prepare for and reduce the agenda for the annual meeting, as the time available for the online meeting is short compared to the duration of a normal meeting.

5. Any Other Items of Note

None

6. Conclusions and Recommended Actions

IHO e-Learning Center

The establishment of the IHO e-Learning Center is proceeding smoothly with the cooperation between the IHO e-Learning Project Team and the Republic of Korea, according to A-2 Decision no. 42. In particular ROK (KHOA) actively supported the budget required for building an e-Learning system and a website in 2021. The PT held VTCs on 30 March and 1 June to provide feedback on the ROK's implementation plan and to share e-Learning contents and experiences by IHO Member States. The IHO e-Learning Center Guideline Drafting Group was recently formed to draft the guideline. With the dedication from the PT and the ROK and despite the ongoing pandemic, it is expected that the Center will be test operated from 2022. If Member States actively share their e-Learning contents and cooperate, the Center will certainly play its role as a game changer.

The PT e-Learning received 7 new Members to contribute and join forces to get the work, representatives from: Canadian Hydrographic Service, DHN-Brazil, IBSC, MSDIWG, SHOM, South African Hydrographic National Office, UKHO, and WWNWS-SC.

During the 2nd Meeting (30 March), PT approved the 1st version of ToR and RoP provided by ROK.

- Action- # . Member States actively share their e-Learning contents with e-Learning PT

IHO Capacity Building Strategy

The Capacity Building Strategy Project Team (CBSPT) commenced work with a virtual meeting on 24 March and held follow-on collaboration sessions on 07 April and 12 May.

The CBSPT initially conducted a Gap Analysis of the new IHO Strategic Plan and current CB Strategic Plan. That analysis defined three lines of effort for the Team:

1. Conduct an initial, modest edit of the current CB Strategy to provide modern verbiage, refined *Mission* and *Vision* statements, updated logos, and a tone aligned to the IHO Strategic Plan. (Draft complete and submitted for CBSC19 consideration)
2. Review and develop a relevant update to the "Phases of Development" for Figure 1 of publication M-2. This update considers a "Phase 0" to encompass Hydrographic Governance. (effort ongoing)
3. Develop and define a fifth step to Article 3 – Process of the CB Strategy (Awareness; Assessment; Analysis; Action) to address Measures of Effectiveness (MoE). MoE is an essential input for prioritizing future resource allocation. (effort ongoing)

Within these lines of effort, the CBSPT is actively working to incorporate critical hydrographic community issues into the strategy. These topics include MSDI, eLearning, ocean conservation/stewardship, and CB implementation methods amidst a declining budget.

Elections of Chair and Vice-Chair

In the recent CBSC19 Intersessional Meeting the Vice-Chair Mr Luiz Claudio Fonseca (Brazil) announced in advance the intention to step down at the end of the meeting. Ms Lucy Fieldhouse (UK) has been elected unanimously as CBSC Vice-Chair.

7. Justification and Impacts

Detailed information and justifications for the proposed actions or recommendations are provided in the report under paragraph 2 and 4.

8. Action Required of IRCC

The IRCC is invited to:

- a. note the report,
- b. [endorse the decisions and actions on \(Strategy\)](#).
- c. [endorse the decisions and actions on \(PT E-learning\)](#).
- d. 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,
- e. take any further action as seen appropriate.