

**11th MEETING OF THE IHO INTER-REGIONAL COORDINATING COMMITTEE
IHO-IRCC12
VTC-meeting, 6-8 October 2020**

Report of the Capacity Building Sub-Committee (CBSC)

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

Chair:	Thomas DEHLING, Germany, until 3 June 2020 Evert FLIER, Norway, from 3 June 2020
Vice-Chair:	Evert FLIER, Norway, until 3 June 2020 Luiz Claudio FONSECA, Brazil, from 3 June 2020
Secretary:	Leonel MANTEIGAS, IHO Secretariat
Member States:	Brazil, Chile, France, Germany, India, Iran (Islamic Republic of), Italy, Japan, Latvia, Mexico, Mozambique, Nigeria, New Zealand, Norway, Republic of Korea, 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

CBSC 18 – 2 and 3 June 2020, online meeting.

Next meetings:

CBSC19	14 -16 June 2021	Monaco
CBSC21	May/June 2022	Galapagos, Ecuador, tbc (Japan as backup)
CBSC22	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). For 2020 the surplus to the CB Fund of 130 k€ is yet to be decided by the Member States.
- 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 2020, considering the executed and the planned projects is shown in the following table, including the reduced contribution from the IHO budget of 116 K€ instead of 206 T€:

	IHO	ROK	Nippon	Total
Balance 2019	47 241,09	3 455,60	0,00	50 696,69
Income 2020	130 000,00	320 043,00	265 291,00	715 334,00
Surplus from IHO (tbc by MS)	130 000,00	-	-	130 000,00
Available resources	307 241,09	323 498,60	265 291,00	896 030,69
Expenditures in the 2020 CBWP	-32 976,12	0,00	0,00	-32 976,12
Balance <u>expected</u> by 31/12/2020	274 264,97	323 498,60	265 291,00	863 054,57
Projects not funded at 2020 CBWP	403 889,00	-	-	403 889,00

Expected balance of the CB Fund available for the 2021 CBWP

	IHO	ROK	Nippon	Total
Expected balance 2020	274 264,97	323 498,60	265 291,00	863 054,57
Expected income in 2021	125 000,00	380 000,00	298 866,00	803 866,00
Expected surplus from IHO	0,00	-	-	0,00
Available for 2021	399 264,97	703 498,60	564 157,00	1 666 920,57
Earmarked projects 2021	0,00	-691 700,00	-564 157,00	1 338 193,00
Regular CBWP projects 2021	331 711,00	691 700,00	564 157,00	1 587 568,00
Balance <u>expected</u> by 31/12/2021	67 553,97	11 798,60	0,00	79 352,57
Projects not funded at 2021 CBWP	248 539,00	-	-	248, 539,00

Note: the figures above are estimated values.

PRO-1.7 to A-2 proposes 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. In 2020 ROK provided almost 320 k€ for CB. 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. 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. In line with the MoU between NF and IHO, the IHO has implemented the Nippon Foundation-IHO Cartography, Hydrography and Related Training (NF-IHO CHART) Project. The NF has provided a financial contribution to the IHO to fully fund the NF-IHO CHART Project. The NF is substantially funding other projects outside the direct context of the IHO CB.

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 ...

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 2020

The WP for 2020 has been updated. Several projects could not or won't be executed as planned due to the CoVID-19 pandemic. Most of them have to 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 2021 WP.

Capacity Building Work Programme 2021

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 €.

CB Management

The support from the IHO Secretariat is as essential as the tremendous work from the CB Coordinators in the RHCs. With the generous and intensive support from ROK in cooperation with the IHO Secretariat, the IT-based CB Management System is almost ready to be implemented. The next CB submissions will possibly be processed through that system.

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.

3. Progress on IRCC Action Items

Action 09 – done

4. Problems Encountered

Limited CB Fund

The appeal of the CBSC last year to ascertain a minimum level of funds has led to a significant attention and fruitful discussions on all levels of the IHO.

Capacity Building in Hydrography is a core strategic issue within the IHO, especially at IRCC and Council meetings.

Outreach

The seconded officer from Japan at the IHO Secretariat made an investigation that showed the positive effect of the CHART-Programme funded by the NF to the development in the charting capacity in the countries involved in the training. The correlation between alumni from the CHART-Programme and the development in charting is significant. This can possibly be transferred to other projects.

This positive example shows as well that the outreach of the success and importance of CB in Hydrography should be improved.

Therefore a Project Team on Outreach (PTOutreach) has been tasked to draft the way ahead for promoting and increasing the visibility of work done and the achievements reached.

Online Meeting

Holding a CBSC meeting as a video conference worked quite well. Topics had to be limited to the most important issues, discussions were focussed on decision-making, The meeting was reduced to two days with two sessions of 90 minutes each. Documents had to be provided well in advance and have only been introduced very shortly. It is an important factor for the success for such a meeting, that most of the participant know each other beforehand.

Online meetings will not replace regular meetings, but can possibly reduce the amount of face-to-face meetings and / or provide opportunities for intersessional meetings on specific topics.

CoVID-19 / e-learning

The importance and very high potential of distant learning or e-learning for the improvement and extension of Capacity Building activities in hydrography.

Due to the CoVID-19 pandemic several projects in the CBWP 2020 have to be re-scheduled, re-structured or have to be postponed to 2021. This puts much more pressure on the development of e-learning means. E-learning development though is extremely limited with the current capabilities of the IHO CB Fund. CBSC therefore welcomes the initiative and generous offer from Republic of Korea to establish and support an IHO e-Learning Center, to provide the infrastructure and to cooperate with IHO, its Member States and industry. Relevant decisions and actions from CBSC can be found under paragraph 6.

5. Any Other Items of Note

None

6. Conclusions and Recommended Actions

IHO e-Learning Center

Regarding PRO-3.3 to A-2 (Establishment of an IHO e-Learning Center) CBSC took the following decisions and actions. IRCC is invited to endorse them and to forward decision 9 to A-2.

CBSC Decision 9: the CBSC:

- a. recognizes the importance and very high potential of distant learning or e-learning for the improvement and extension of Capacity Building activities in hydrography.
- b. specifies e-learning in this proposal as all forms of learning, where electronic or digital media are being used for presentation and distribution of learning material and/or to support communication in learning.
- c. is aware that the CoVID-19 pandemic and its consequences puts much more pressure on the development of e-learning means.
- d. sees that e-learning development is extremely limited with the current capabilities of the IHO CB Fund.
- e. therefore welcomes the initiative and generous offer from Republic of Korea to establish and support an IHO e-Learning Center, to provide the infrastructure and to cooperate with IHO, its Member States and industry.
- f. suggests to further develop the structure and framework of an IHO e-Learning Center together with ROK and IBSC by setting up a Project Team and to report to IRCC12, so this can be taken to A-2, where the inputs from the CBSC are expected as in ACL-19.

CBSC Decision 10: to establish Project Team (Brazil, France, ROK, Turkey, United Kingdom, Secretary) to further develop the structure and framework of an IHO e-Learning Center (PRO-3.3), PTe-Learning.

Action 7: CB Coordinators to provide input to the work of the PTe-Learning (deadline: 30 June 2020).

Action 8: PTe-Learning to work with IBSC and ROK on the development of the structure and framework of an IHO e-Learning Center and report to IRCC12 (deadline: IRCC12).

Elections of Chair and Vice-Chair

CBSC Chair Thomas Dehling (Germany) announced in advance to step down at the end of the meeting after nine years of duty in this position. Evert Flier (Norway) has been elected for unanimously as CBSC Chair.

As Evert Flier vacated the position as CBSC Vice-Chair, Mr Luiz Claudio Fonseca (Brazil) has been elected as his successor by majority.

CBSC Secretary

The CBSC Secretary Alberto Costa Neves left the IHO Secretariat. After nine years of his excellent work for the IHO Capacity Building he handed over to Leonel Manteigas. CBSC wishes to commend his extremely helpful contribution to the development of the IHO Capacity Building and sincerely thanks him for his support.

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 PRO-3.3 to A-2 (Establishment of an IHO e-Learning Center) and to forward decision 9 to A-2.
- c. 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,
- d. note the excellent contribution of Alberto COSTA NEVES to the development of the IHO CB programme,
- e. take any further action as seen appropriate.