



INTERNATIONAL HYDROGRAPHIC ORGANIZATION
CAPACITY BUILDING SUB COMMITTEE (CBSC)

CBSC12-06D

Brest, 14 May 2014

**REPORT for CBSC12
IHO CAPACITY BUILDING STAKEHOLDER SEMINAR
Monaco, 05-06 March 2014**

- High level contribution
- Many participants
- Back to back with IBSC
- See docs on IHO website

The last 12 month since the meeting in Wollongong, Australia have been very busy in terms of Capacity Building. The report will concentrate on the main topics.

1. Overview

In March this year a CB stakeholder seminar was held at the IHB. In two days there were very open and fruitful discussions. It started with the provision of information related to CB from the CBSC, from the industry and other stakeholders and from trainees. The draft new CB strategy of the IHO has been presented and some very valid input has been provided by the audience. About 60 participants joint the seminar, which has been broadcasted as a livestream via internet. The input and the results are summarized in the following chapters. The detailed programme and further documents can be found on the IHO website.

2. Session 1: Introduction of the IHO CB Programme

In the first session the chairman and the secretary of the CBSC provided an introduction into the scope, the regulations and the practice of teh IHO CB.

3. Session 2: Stakeholders Status Report on CB

Different stakeholders gave an introduction into their work in the field of capacity building in hydrography. There were presentations from:

- Björn Röhlich, SevenCs
- Charles de Jong, CARIS



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- Paul Cooper, PAIGH
- John Pepper, OceanWise
- Rafeal Ponce, ESRI

There are quite some activities and projects conducted parallel to IHO CB, for example the CB project for Montenegro by SevenCs. It is important for the IHO CB to know about these activities and may be even to include these activities into the CB WP. This would lead to a better visibility and a better overview.

Some projects have a wider scope and therefore may attract more funds. Many of the projects can be related to phase 3.

The commitment of the funded nations was generally seen as a key aspect of success.

4. Session 3: CB Assessment and Provision

The CB Assessment was discussed widely and with a lot of practical knowledge. Bob Wilson provided his experiences and gave some excellent fruit for thought:

- The Questionnaire should be revised
- Follow up and follow up visits are crucial. A suggestion is to block countries from further CB projects, if they don't show no commitment and there is no follow up.
- Post visits or others means of ongoing contact are important to ensure a sustainable results
- A progress report after one or two years is important as well
- An international workshop helps to get the support from national governments

Regarding the provision, some important requirements were stressed:

- Importance of good lecturers. How can we assure the quality of them (educational excellence and technical knowledge)?
- Training the trainers can help to improve the quality of the instructors and to overcome language related problems
- Workshops help do foster cooperation between MS



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- Importance of ongoing and consecutive projects
- IMO funded courses are helpful, especially for the early phases. The room for improvement lies in a better coordination, the selection of the consultants
- The cooperation between IHO and IMO should be improved on a regional level. The Imo representative and the RHC should have direct contact. The IRCC could take this on their agenda as well.

5. Session 4: Lessons Learned from Established CB Training Activities

Alumnis and students from different courses presented their experiences. The general view was positive. Deficiencies are in some cases the lack of practical work after the training in the field of training. Reasons may be lack of awareness, missing equipment or other priorities.

Conclusions are that it is necessary to have a high level approach first, to keep the momentum and thus keep the motivation high, to come up with comprehensive projects. There is room for cooperation of industry and IHO in this regard.

6. Session 5 and 6: CB Strategy Development

The CBSC Chair provided an overview of the current draft of the revised CB Strategy. The stakeholders stated that this draft is very much in line with their views and that the Industry can contribute meaningfully to the IHO CB by the mobilization of resources, robust proposals, separate and substantial funding from external sources, the support of equipment and the continuation of training.

Stakeholders highlighted that the CB actions should be improved and that funding should be sought after from donor agencies or in-country donor organizations including port authorities or cruise lines. Industry can support on a cost-plus basis.

The longer term support should lead to an improved organic capability.

The discussion on the second day handled the topic according to the phases 1 to 3.

Phase 1:

- Minimal training needed with the involvement (MSI) of the WWNWS, coordination within IRCC



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- Only basic information infrastructure necessary

Phase 2:

- Liaise and cooperate with IALA regarding AtoN
- Disaster surveying should be included
- Establish capabilities of survey planning and prioritization
- Account for deliverables of surveys
- Include the training part of CB in technical visits and provide „support package”

Phase 3:

- MSDI should be renamed to „data management” as the wider and more generic term
- ENCs should not be seen as the later step after paper charts
- The idiom „need” should be clarified.
- The requirement of high investment should not scare people
- The wording „alternatively” should be erased.

In general, the wording of the strategy is focusing on the internal use. We should bear in mind that it has to be understandable externally as well. Develop a short and catchy version.

Don't overload the phases.

Seek to develop an overview of the training necessity for each phase.

A CB auditing system should be established.

7. Session 7: Future of the IHO CB Programme

CBSC Secretary provided an overview of the enhancements of the CB Procedures and provided an example of the workflow for a project.



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Adam Greenland gave an overview of the New Zealand risk analysis. It was seen by many participants as an excellent, evidence based example. It should not be used as a sample for the whole IHO. IALA invited the IHO to liaise with them on how to implement a risk analysis.

Another aspect is that more and more holistic approaches in surveying will be needed in the future. Multi purpose surveys for a growing range of uses and users have to be accomplished.

A portfolio of typical figures of reaching phase 2 or 3 in a country should be elaborated.

8. Session 8: Podium Discussion, Summary and Way Ahead

The Seminar gave quite some very good hints, ideas and results regarding the CB of IHO. The current draft revised strategy is supported. The improvements suggested should be considered to be implemented into the procedures and the practical work. The strategy paper may be supplemented by a short paper addressing a larger audience.

CBSC Chair described the way ahead for the finalization of the strategy.

Thomas Dehling

Chairman IHO Capacity Building Sub Committee