



Update on Capacity Building Management System

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CONTENTS

1 Introduction

2 CB Work Flow

3 CBMS online

4 CBMS Main Features

5 CB Enhancements

6 Future plans



1

Introduction & Background

- To facilitate efficient operation and management of IHO CB programs.

Developed prototype CBMS : 2015 / KHOA & IHO Sec.

AS-IS



Offline-based business process



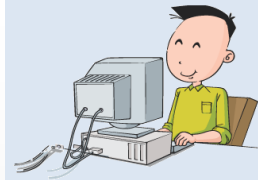
Difficulty in constructing database



Low business efficiency



To-BE



Online-based business process



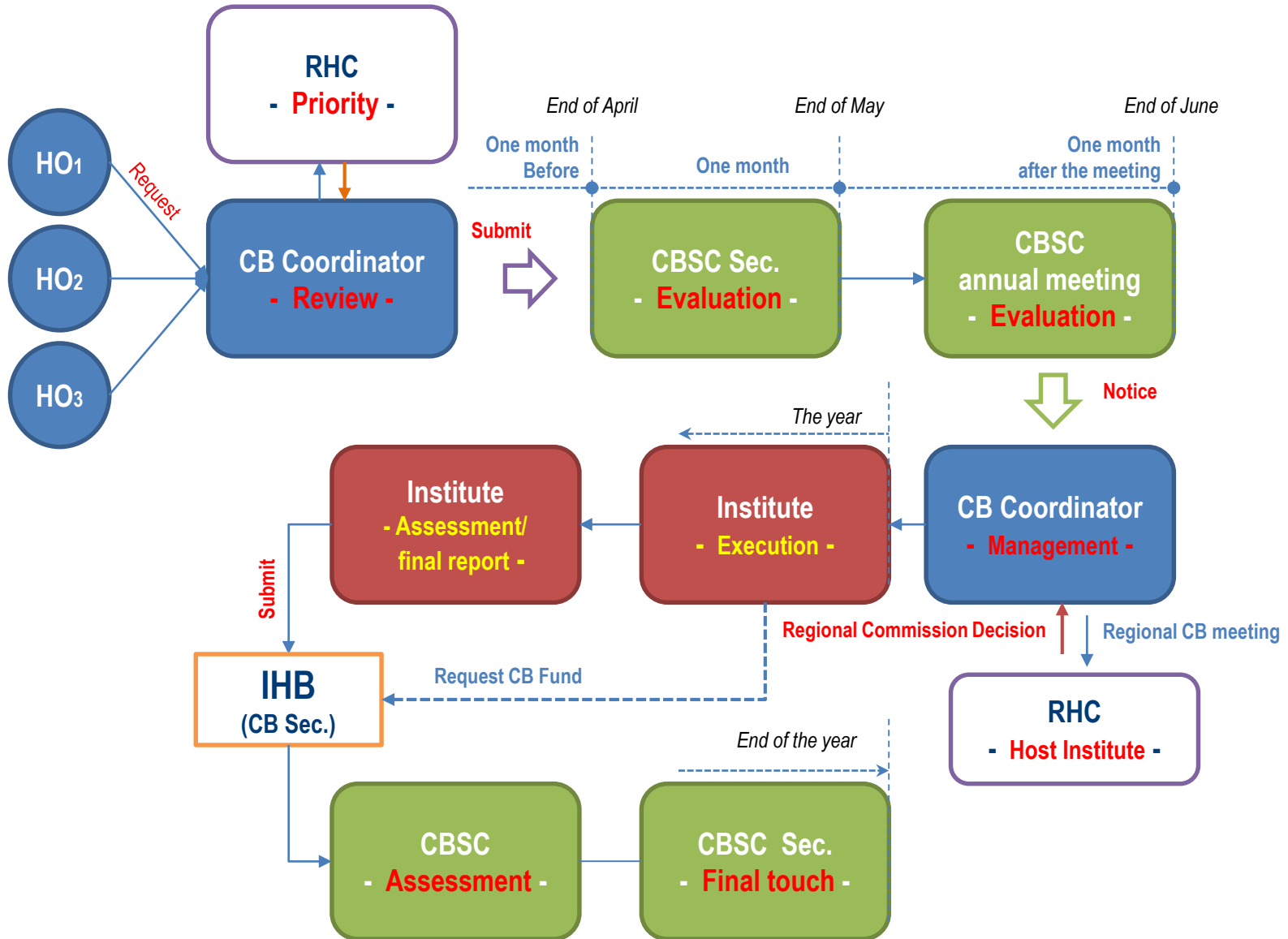
Database construction and systematic data management



Business efficiency improvement

2

CB Work Flow



- 1 IHO CB procedures
- 2 Web-base database system
- 3 Sharing and processing
- 4 Efficiency operation and management of CB programmes
- 5 Integration with valuable information such as country info., schedules , Pls etc.

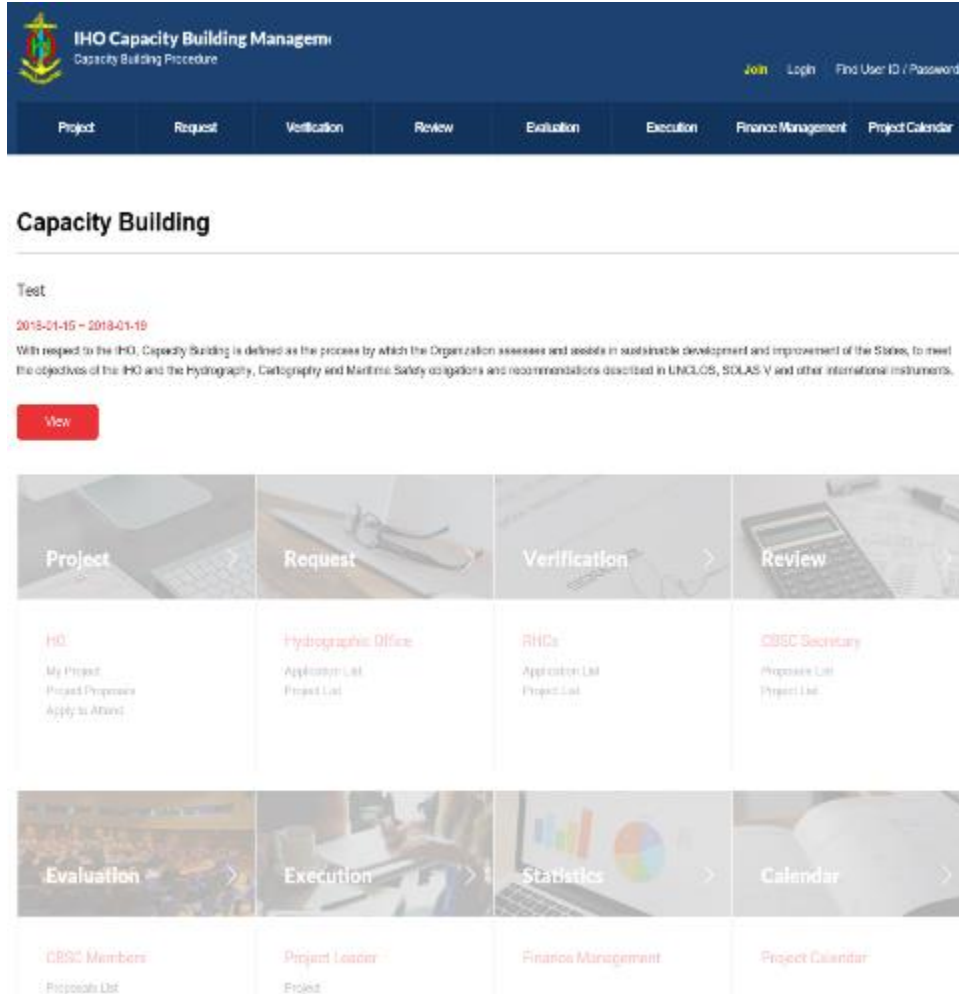
4

CBMS Main Features

1 User ID is automatically generated (including project leaders)

2 Edit RHC(Regional Hydrographic Commissions) information(e.g. add member states)

3 Review project evaluation score



4 Submit project proposals in official or brief Ver.

5 Download Management Plan or IHO WP Element in Excel format

6 Printable as templates format



<http://ip111.inplan.kr/> ← Temporary URL.
(URL will be changed when the website is officially launched.)

Edit RHC info.

List of RHC

1

IHO Capacity Building Management
Capacity Building Procedures

2017-03-08 오전 12:05:52 admin Logout Mypage

Member Finance Management Project Calendar

Member List New Member Local officials

Region

Region	Code	Edit	Delete
Region	USGHC	Edit	Delete
Region	MSGHC	Edit	Delete
Region	SWAHC	Edit	Delete
Region	SERHC	Edit	Delete
Region	NEHC	Edit	Delete
Region	WIC	Edit	Delete
Region	EGHC	Edit	Delete
Region	MESHC	Edit	Delete
Region	EASHC	Edit	Delete
Region	SASHC	Edit	Delete
Region	ISAH	Edit	Delete

IHO Capacity Building Management
Capacity Building Procedures

2017-03-08 오전 12:06:07 admin Logout Mypage

Member Finance Management Project Calendar

Member List New Member Local officials

USGHC

Country	Code	Edit	Delete
country	USA2	US2	Submit
country	USA	US	Edit Delete
country	CANADA	CA	Edit Delete

Add on MS

IHO Capacity Building Management
Capacity Building Procedures

2017-03-08 오전 12:06:57 admin Logout Mypage

Member Finance Management Project Calendar

Member List New Member Local officials

USGHC

Country	Code	Edit	Delete
country			Submit
country	USA	US	Edit Delete
country	CANADA	CA	Edit Delete
country	USA2	US2	Edit Delete

3

Submit project proposals (Pro. 1)

Official Proposal | Brief Proposal

IDENTIFICATION

PROJECT NO	<input type="radio"/> Online <input type="radio"/> Print
Project Name	<input type="text"/>
CR Phases	<input type="radio"/> Preliminary <input type="radio"/> Phase one <input type="radio"/> Phase two <input type="radio"/> Phase three
Event Year	2018 <input type="text"/>
Days of event	<input type="text"/> Day(s)
Numbering code	1.000
Date of Submission	<input type="text"/>
Institution calling the project	<input type="text"/>
Name of organization	<input type="text"/>
Address	<input type="text"/>
Telephone	+92 <input type="text"/> 993327999
Fax	+92 <input type="text"/> 993327999
E-mail	<input type="text"/>


GENERAL SPECIFICATIONS

Background information	<input type="text"/>
Description of the project	<input type="text"/>
Justification of the project	<input type="text"/>
Importance of the project	<input type="text"/>
General objective	<input type="text"/>
Specific objectives	<input type="text"/>
Participants	<input type="text"/>
Other attachments	<input type="text"/>
Commitments and expected benefits	<input type="text"/>
Organizational structure	<input type="text"/>
Final analysis current related projects sponsored by UNICEF or other sources	<input type="text"/>

RESOURCES

Contribution by countries involved	<input type="text"/>
Participation from other sources	<input type="text"/>
Participants organized from the event	<input type="text"/>
Costs (total project)	<input type="text"/>
Breakdown of costs	<input type="text"/>
IGR (IGR) (IGR) (IGR) (IGR) (IGR)	<input type="text"/>
IGR (IGR) (IGR) (IGR) (IGR) (IGR)	<input type="text"/>

Submit Save Reset




Official Proposal | Brief Proposal

Informality Format

Project Name	<input type="text"/>
CR Phases	<input type="radio"/> Preliminary <input type="radio"/> Phase one <input type="radio"/> Phase two <input type="radio"/> Phase three
Event Year	<input type="text"/>
Days of event	<input type="text"/> Day(s)
Background information	<input type="text"/>
General objective	<input type="text"/>
Achievements and expected benefits	<input type="text"/>

Submit Save Reset



Review project evaluation (Pro. 4)

IHO Capacity Building Management
Capacity Building Procedure

2018-05-25 12:00:00 **CBSG** [See1](#) [Logout](#) [My page](#)

Application List Project List Management Plan IHO WF Element Finance Management Project Calendar

Proposals List

Initial Application List > Total : 4

All Period IHOE Status IHOE Status Search

<input type="checkbox"/>	No	Region	Country	Project Name	CD Phases	Year	Day	Date	Status	Score (RIIC / CDSG)	Rank (RIIC / CDSG)
<input type="checkbox"/>	1	MAHFC	PHL	Introduction for Inks and Water Trench Workshop for Spared Speakers	Phase one	2018	4	2018-04-19	Submitted		
<input type="checkbox"/>	2	EAHC	NR	TRDC 5 5B Test	Preliminary	2018	5	2017-10-30	Submitted	41	40
<input type="checkbox"/>	4	EAHC	NR	Test	Phase one	2018	7	2017-10-30	Submitted	49	44

No.	Description	Maximum	Score	Assigned score
1. Category of the Project				
	a) Technical Assistance	5	5	✓
	b) Training Education		3	
	c) Start-Up Project		3	
	d) Technical Assistance		2	
2. Phase of Capacity Building				
	a) Phase 1	10	10	
	b) Phase 2		5	
	c) Phase 3		5	
3. Number of States Covered				
	a) 10 or more	5	5	✓
	b) 5-9		3	
	c) Less than 5		1	
4. National Funding Facility				
	Other countries in East and West Africa	2	2/2	0
5. Household Income (LPI Index - GDP Per Capita)				
	PI < 200	10	10	
	0.201 - 4000		5	✓
	0.1001 - 10000		7	
	10000 - 20000		6	
	0.2001 - 30000		6	
	0.3001 - 40000		5	
	PI > 40000		2	
6. Priority with RAC				
	a) 1	5	5	✓
	b) 2		3	
	c) 3		1	

No.	Description	Maximum	Score	Assigned score
1. Category of the Project				
	a) Technical Assistance	5	0	
	b) Training Education		3	✓
	c) Start-Up Project		3	
	d) Technical Assistance		2	
2. Phase of Capacity Building				
	a) Phase 1	10	10	
	b) Phase 2		5	
	c) Phase 3		1	
3. Number of States Covered				
	a) 10 or more	5	0	✓
	b) 5-9		3	
	c) Less than 5		1	
4. National Funding Facility				
	Other countries in East and West Africa	2	2/2	0
5. Household Income (LPI Index - GDP Per Capita)				
	PI < 200	10	10	✓
	0.2001 - 4000		5	
	0.1001 - 10000		7	
	10000 - 20000		6	
	0.2001 - 30000		6	
	0.3001 - 40000		5	
	PI > 40000		2	
6. Priority with RAC				
	a) 1	5	0	✓
	b) 2		3	
	c) 3		1	

Export to Excel Format

Management Plan Management Plans - Total: 4

2019

RHC	Project Name	1	2	3	4	5	6	7	8	9	Total	Phase	Resources	Cost
RHC	Introduction to Tides and Water Levels Workshop for Spanish Speakers										10	Phase one		0
RHC	TRDC S-5B Test	5	5	5	5	10	5	5	5	5	40	Preliminary	20000	20000
RHC	Test	3	10	5	4	8	5	4	5	4	48	Phase one	30000	50000
RHC	Multi-beam Survey and Seabed Classification	3	10	3	4	7	1	5	0	4	37	Phase one	20000	70000

RHC	Project Name	1	2	3	4	5	6	7	8	9	Total	Phase	Resources	Sum
IHO	Introduction to Tides and Water Levels Workshop for Spanish Speakers										0	Phase one		0
RHC	TRDC S-5B Test	3	5	5	3	10	5	5	0	4	40	Preliminary	20000	20000
RHC	Test	3	10	5	4	8	5	4	1	5	43	Phase one	30000	50000
RHC	Multi-beam Survey and Seabed Classification	3	10	3	4	7	1	5	0	4	37	Phase one	20000	70000

IHO WP Element Management Plans - Total: 4

2019

Capacity Building Assessment - Technical and High-Level Visits

No	Events	Responsible	Budget	Paid	Status	Resources
	TRDC S-5B Test	EAHC	20,000 €	0	1 ~ 10	EAHC
Subtotal of A (Assessment)			20,000 €	0 €		

Capacity Building Provision - Technical Workshops, Seminars, Courses

No	Events	Responsible	Budget	Paid	Status	Resources
	Introduction to Tides and Water Levels Workshop for Spanish Speakers	MACHC	€	0	1 ~ 10	MACHC
P-05	Test	EAHC	30,000 €	0	Hoseo Univ 2018-01-15 ~ 2018-01-19	EAHC
P-02	Multi-beam Survey and Seabed Classification	EAHC	20,000 €	0	~ 2017-09-08	EAHC
Subtotal of A (Provision)			50,000 €	0 €		

Resources	Budget	Paid
Total	70,000 €	0 €
IHO	20,000 €	0 €
RHC	50,000 €	0 €

Capacity Building Assessment - Technical and High-Level Visits						
No	Events	Responsible	Budget	Paid	Status	Resources
	TRDC S-5B Test	EAHC	20,000 €	0	1 ~ 10	EAHC
Subtotal of A (Assessment)			20,000 €	0 €		
Capacity Building Provision - Technical Workshops, Seminars, Courses						
No	Events	Responsible	Budget	Paid	Status	Resources
	Introduction to Tides and Water Levels Workshop for Spanish Speakers	MACHC	€	0	1 ~ 10	MACHC
P-05	Test	EAHC	30,000 €	0	Hoseo Univ 2018-01-15 ~ 2018-01-19	EAHC
P-02	Multi-beam Survey and Seabed Classification	EAHC	20,000 €	0	~ 2017-09-08	EAHC
Subtotal of A (Provision)			50,000 €	0 €		
Resources	Budget		Paid			
Total	70,000 €		0 €			
RHC	20,000 €		0 €			
IHO	50,000 €		0 €			

Printable as templates format

Proposals List total: 40 records / 1 - Total: 4

ID	No	Task	Country	Project Name	OS Phase	Year	Day	Date	Status	Score (R/C / OSDC)	Rank (R/C / OSDC)
<input type="checkbox"/>	1	EMHC	GR	Introduction to Flood and Water Leveling Workshop for Spanish Speakers	Phase one	2018	4	2018-04-09	Submitted	-	-
<input type="checkbox"/>	2	EMHC	GR	EMHC	Phase one	2018	5	2017-10-30	Submitted	41	40
<input type="checkbox"/>	3	EMHC	GR	EMHC	Phase one	2018	5	2017-10-30	Submitted	39	48
<input type="checkbox"/>	4	EMHC	GR	Multi-beam Survey and Seabed Classification	Phase one	2017	7	2017-06-01	Submitted	38	37



PROJECT SUMMARY

ID	No	Task	Country	Project Name	OS Phase	Year	Day	Date	Status	Score (R/C / OSDC)	Rank (R/C / OSDC)
4	EMHC	GR	GR	Introduction to Flood and Water Leveling Workshop for Spanish Speakers	Phase one	2018	4	2018-04-09	Submitted	-	-
3	EMHC	GR	GR	TRECC-G-08 Test	Preliminary	2018	5	2017-10-30	Submitted	41	40
2	EMHC	GR	GR	Test	Phase one	2018	5	2017-10-30	Submitted	39	48
1	EMHC	GR	GR	Multi-beam Survey and Seabed Classification	Phase one	2017	7	2017-06-01	Submitted	38	37

Project Plan

REPORT MODEL

Project Number: P-05
Project Name: Test

FINANCIAL REPORT

	Resources			Comments
	requested	allocated	spent	
Contribution by countries involved	50000	30000	15000	
Contribution by other parties	10000	30000	10000	
Contribution from OSDC Fund	50000	15000	10000	
Total Cost (Other)	100,000	480,000	175,000	
Expenditure of OSDC Fund expenditure (i.e. travel expenses, per diem, subsistence, etc.)	total expense			

Date of start: 2018-01-01
 Date of finish: 2018-01-01
 Changes in scope or focus: No
 Results achieved (output, product, etc.): No
 Comparison with the fundaments and benefits analyzed: No
 Problems experienced: No
 Suggestions for improvement: No
 Suggestions for follow-up projects: No



Part 2 SUBMISSION MODEL

Project Number: P-05
Project Name: Test

FINANCIAL REPORT

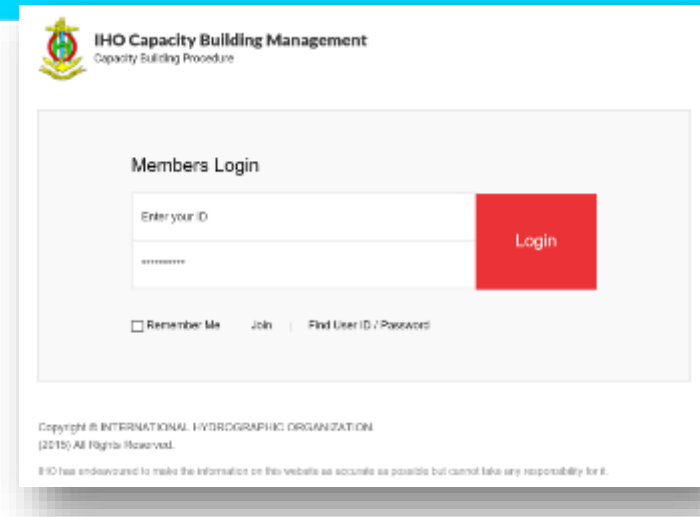
	Resources			Comments
	requested	allocated	spent	
Contribution by countries involved	50000	30000	15000	
Contribution by other parties	10000	30000	10000	
Contribution from OSDC Fund	50000	15000	10000	
Total (Leave)	100,000	480,000	175,000	
Expenditure of OSDC Fund expenditure (i.e. travel expenses, per diem, subsistence, etc.)	total expense			

Date of start: 2018-01-01
 Date of finish: 2018-01-01
 Changes in scope or focus: No
 Results achieved (output, product, etc.): No
 Comparison with the fundaments and benefits analyzed: No
 Problems experienced: No
 Suggestions for improvement: No
 Suggestions for follow-up projects: No

OSDC Secretary Project leader

5 Enhancements by IHO Feedback-1

- **User Creation & Login**
 - Request for membership
 - Approved by administrator
- **Add CBSC Secretary ID (2 ID)**
- **CBSC_Sec, CBSC_Sec 1**



Rule for ID classification by category

No.	Category	Rule for code	e.g.
1	Hydrographic Office (HO)	RHC_ISO Code(ALPHA-2)	EAHC_KR
2	CB Coordinator	RHC_Coordi	EAHC_Coordi
3	RHC Chair	RHC_Chair	EAHC_Chair
4	CBSC Secretary	CBSC_Sec	2 ID
		CBSC_Sec1	
5	CBSC Chairman	CBSC_Chair	Only 1 ID
6	Project Leader	Project-Number	P-01

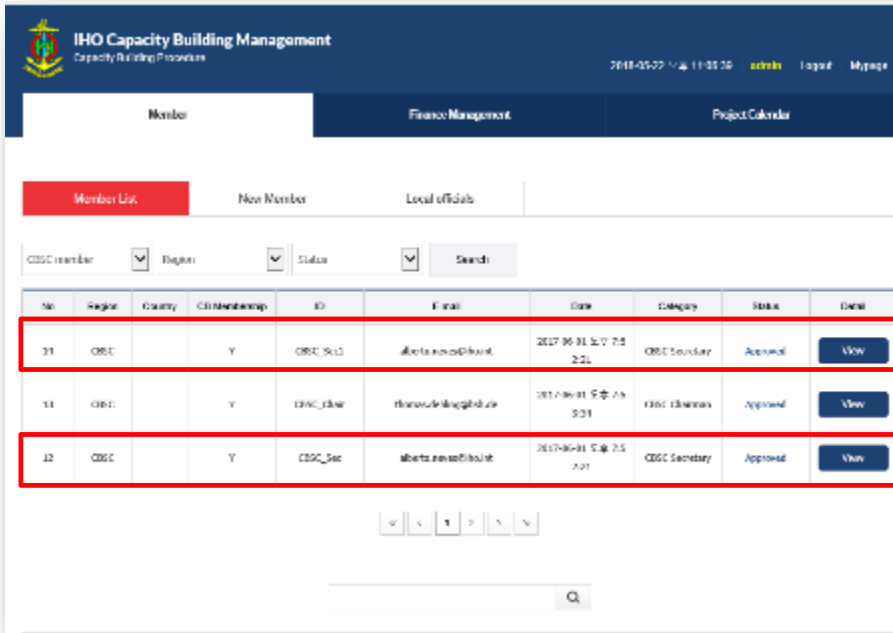
5 Enhancements by IHO Feedback-2

Creating User ID “CBSC_Sec1”

- Before : give only one secretary ID despite secretary’s many tasks
- → Able to split up the work through creating one more secretary ID

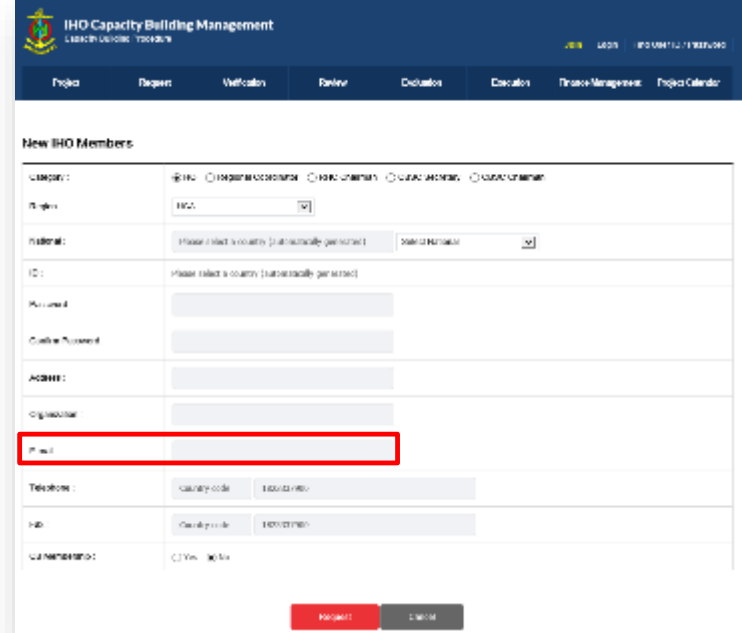
Disabling duplicate email check during sign up

- Before : unable to (check duplicate email addresses)
- → Allow duplicate email during sign up



The screenshot shows the 'Member List' page in the IHO Capacity Building Management system. The page has a navigation bar with 'Member', 'Finance Management', and 'Project Calendar'. Below the navigation bar, there are tabs for 'Member List', 'New Member', and 'Local officials'. The 'Member List' tab is active, showing a table of members. The table has columns for No, Region, Country, Membership, ID, Email, Date, Category, Status, and Detail. Three rows are highlighted with red boxes: row 11, row 12, and row 13. Row 11 is for 'CBSC_Sec1', row 12 is for 'CBSC_Sec2', and row 13 is for 'CBSC_Sec3'. The 'Detail' column for each row contains a 'View' button.

No	Region	Country	Membership	ID	Email	Date	Category	Status	Detail
11	CBSC		Y	CBSC_Sec1	alberta.nava@iho.int	2017-06-01 15:07:25	CBSC Secretary	Approved	View
12	CBSC		Y	CBSC_Sec2	alberta.nava@iho.int	2017-06-01 15:07:25	CBSC Secretary	Approved	View
13	CBSC		Y	CBSC_Sec3	alberta.nava@iho.int	2017-06-01 15:07:25	CBSC Secretary	Approved	View



The screenshot shows the 'New IHO Members' form in the IHO Capacity Building Management system. The form has a navigation bar with 'Project', 'Region', 'Verification', 'Review', 'Discussion', 'Escalation', 'Finance Management', and 'Project Calendar'. Below the navigation bar, there are radio buttons for 'IHO', 'Regional Coordinator', 'Risk Chairman', 'Local official', and 'Local Chairman'. The 'IHO' radio button is selected. The form has several input fields: 'Region' (dropdown), 'National' (text), 'ID' (text), 'Full name' (text), 'Current Position' (text), 'Address' (text), 'Organization' (text), 'Email' (text), 'Telephone' (text), 'Job' (text), and 'User name' (text). The 'Email' field is highlighted with a red box. At the bottom of the form, there are 'Register' and 'Cancel' buttons.

5 Enhancements by IHO Feedback-3

Matching the data display format

- Before : year-month-day or day-month-year / Input the data manually
- → day-month-year matching / Input the calendar format

IHO Capacity Building Management
Capacity Building Procedure
2018-04-19 02:31:22:35 CAHC

My Project | Project Proposals | Apply to Attend | Finance Management

Proposals

All | RHC Status | CBSC Status | Search

No	Project Name	CB Phases	Year	Day	Date	Format
4	test	Phase one	2018	4	2010-04-19	CBSC
3	TRDC 5-58 Test	Preliminary	2018	5	2017-10-30	CBSC
2	Test	Phase one	2018	5	2017-10-30	CBSC
1	Multi beam Survey and Seabed Classification	Phase one	2017	7	2017-06-01	CBSC

Before

Event Year: 2018

Days of event: Day(s)

Submitting RHC: CAHC

Date of Submission: [Calendar: May 2018]

Institution enclosing the project:

Name of responsible:

Address:

Telephone:

Fax: +82 1023337960

email: test@test.com

Proposals

All | RHC Status | CBSC Status | Search

No	Project Name	CB Phases	Year	Day	Date	Format
5	test	Preliminary	2018	3	10-04-2018	CBSC
4	test	Phase one	2018	4	19-06-2017	CBSC
3	TRDC 5-58 Test	Preliminary	2018	5	30-10-2017	CBSC
2	test	Phase one	2018	5	30-10-2017	CBSC
1	Multi beam Survey and Seabed Classification	Phase one	2017	7	01-06-2017	CBSC

After

5 Enhancements by IHO Feedback-4

Addition of longitude and latitude coordinates input for connecting with GIS

- Before : Only location and venue such as seminars, workshop, training, etc.
- → Enter the latitude and longitude coordinates → Later, it is possible to express on map by linking with GIS.

The screenshot displays the 'IBSO Recognized Programmes and Schemes' web application. The main form is titled 'Capacity Building' and includes the following fields:

- Category: Workshop Technical seminar Education
- Subject: TFT
- Description: TFT
- Location: Republic of Korea (with a red dashed box around the location field and an orange arrow pointing to the GIS map)
- Venue: KHRA
- Period of the event: 2018-07-16 ~ 2018-07-20
- Logistics Download: [Download](#)
- Logistics Upload: [찾아보기...](#) [Download](#)
- Number of Supported Person(s): 1

At the bottom of the form are 'Send' and 'Cancel' buttons. To the right, a GIS map shows the location of the Republic of Korea highlighted in blue. A legend on the right side of the map lists several IBSO programs and schemes, each with a corresponding color-coded marker.

6

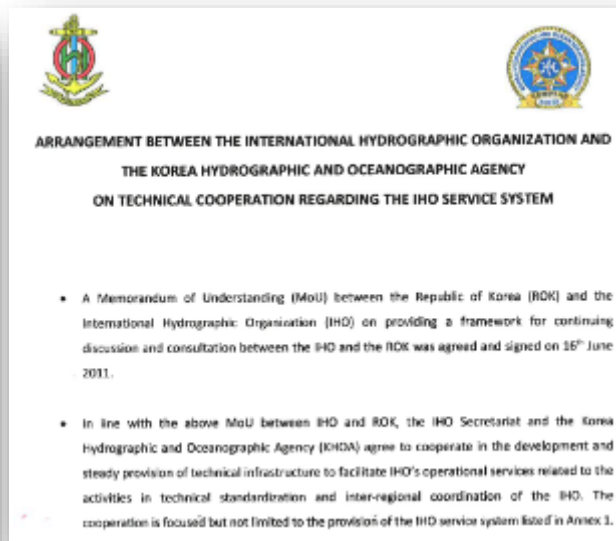
Future plans

Testing by KHOA and IHO Secretariat : Jan. 2018 - TBD

- KHOA contributes maintaining and enhancing CBMS

Official operation of CBMS : TBC ~

- KHOA support to improves the system if any feedback



Annex 1. List of IHO Systems and Services under this Arrangement (as of 28 February 2018)

1. This list is not binding and is provided for information only.

No.	Project : IHO GIS		
P-01	IHO Tech. Coord. :	Yves Guillem	KHOA Tech. Coord. : Yong SAEK
	Contact info :	adga@iho.int	Contact info : ysaek@khoa.kr
No.	Project : IHO S-100 Infrastructure		
P-02	IHO Tech. Coord. :	Anthony Pharoah	KHOA Tech. Coord. : Yong SAEK
	Contact info :	adga@iho.int	Contact info : ysaek@khoa.kr
No.	Project : Online Registration System		
P-03	IHO Tech. Coord. :	Albano Costa Neves	KHOA Tech. Coord. : Sangjoon PARK
	Contact info :	adga@iho.int	Contact info : sjpark@khoa.kr
No.	Project : Capacity Building Management System		
P-04	IHO Tech. Coord. :	Albano Costa Neves	KHOA Tech. Coord. : Sangjoon PARK
	Contact info :	adga@iho.int	Contact info : sjpark@khoa.kr
No.	Project : SCURF Integrated Webpage and GIBSD Beta Gateway		
P-05	IHO Tech. Coord. :	Yves Guillem	KHOA Tech. Coord. : Hakyeon YU
	Contact info :	adga@iho.int	Contact info : parkhak@khoa.kr

MOA between IHO- KHOA (28th Feb. 2018)

6

Future plans

CBMS can be use as a CB Portal??

CBMS CB Portal



Reports



Documents

Forms



Media



Web Content



**CB
Procedure**

Contents

Material

**Instructors
Student Database**



THANKS!