



Seminar of the 18th EAtHC Conference Séminaire de la 18^{ème} Conférence de la CHAtO

“20 Years of Capacity Building Actions in EAtHC Assessment and Prospect”
« 20 ans de renforcement des capacités dans la région CHAtO : Bilan et Perspectives »

Organization of the seminar *Organisation du séminaire*

Presented by EAtHC CB Coordinator
Présenté par le coordinateur de développement de capacité de la CHAtO

Agenda Items 2.5



IHO

ORGANISATION DU DÉVELOPPEMENT DE CAPACITÉS À L'OHI : STRATÉGIE, PROGRAMME ORGANIZATION OF CAPACITY DEVELOPMENT AT THE IHO: STRATEGY, PROGRAM

International
Hydrographic
Organization

Renforcement des capacités et coopération technique

Le renforcement des capacités est défini comme le processus par lequel l'OHI évalue et contribue au développement durable des États membres et d'autres États, afin de répondre aux objectifs de l'OHI et aux obligations liées au chapitre V de la Convention SOLAS, à la CNUDM et aux autres instruments internationaux. Le renforcement des capacités est un objectif stratégique de l'OHI.

Capacity building and technical cooperation

Capacity Building is defined as the process by which the IHO assesses and assists in sustainable development of the Member States and other states, to meet the objectives of the IHO and the obligations related to SOLAS Chapter V, UNCLOS and other international instruments. Capacity Building is a strategic objective of the IHO.

Enjeux

Économie bleue – Développement économique

Aménagement durable
Environnement résilient - Prévention risques

Sécurité/Sûreté - Régalien

Gouvernance fondée sur la « connaissance » et le « management »

Action de l' État en Mer: AEM

Gestion Intégrée des Zones Côtières: GIZC

Politiques Publiques Mer & Littoral: PPML

Planifier – Prioriser - Financer

Action Méthode

Programmes scientifiques ET OPÉRATIONNELS

Instituts recherche ET SERVICES TECHNIQUES

Développement CAPACITÉS /Formations

NUMÉRIQUE

International – Régional

Challenges

Blue economy – Economic development

Sustainable development
Resilient environment - Risk prevention

Safety / Security - Regalien

Governance based on "knowledge" and "management"

State action at sea

Integrated Coastal Zone Management: ICZM

Public Policies Sea & Coastline

Plan - Prioritize - Finance

Action Method

Scientific AND OPERATIONAL programs

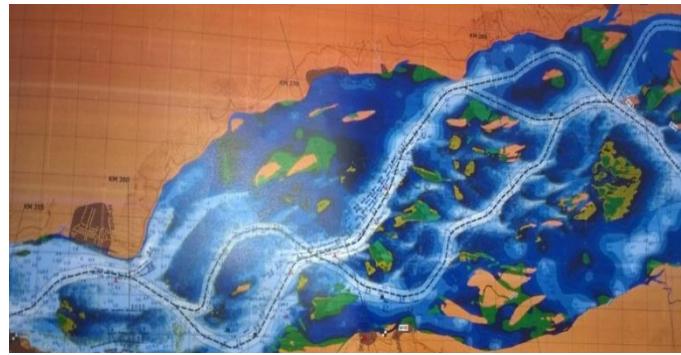
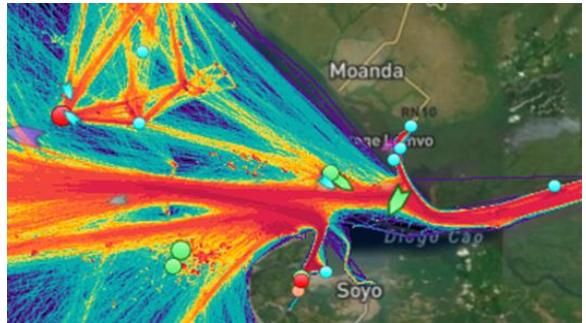
Research institutes AND TECHNICAL SERVICES

CAPACITY BUILDING/ Training

DIGITAL

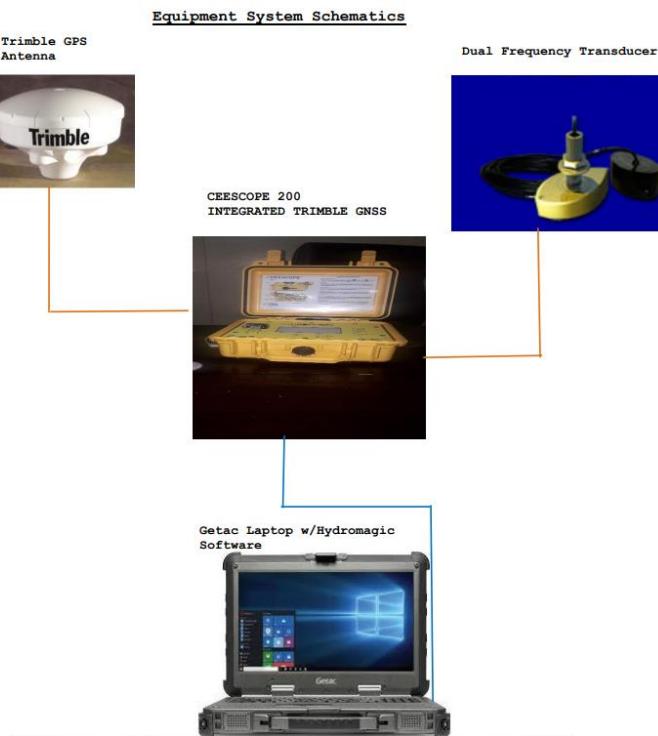
International – Regional

Economic, security and environmental challenges : sea, coastal, river



Des capacités matérielles pour faire face à ces enjeux: navires, vedettes, équipements hydrographiques, océanographiques, infrastructures cartographiques

Material capabilities to face these challenges: ships, launches, hydrographic and oceanographic equipment, cartographic infrastructures



Et in fine rien sans des capacités humaines : des hommes et des femmes formés à tous les métiers

And ultimately nothing without human capabilities: men and women trained in all professions



Deux métiers spécifiques : hydrographe et cartographe marin à former dans des écoles homologuées

Two specific professions: hydrographer and marine cartographer to be trained in recognized schools



Un manque cruel d'écoles spécialisées en Afrique

A severe lack of specialized schools in Africa





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QUE FAIRE ? WHAT TO DO ?

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On ne part pas de rien. En termes de développement de capacités, il existe déjà au niveau de l'IHO:

- Une stratégie
- Un programme annuel

We don't start from nothing. In terms of capacity building, there already exists at the IHO level:

- A strategy
- An annual program

References

<https://ihonet/en/miscellaneous-2> (Strategy)

<https://ihonet/en/capacity-building-and-technical-cooperation> (Capacity Building Work programme)

PHASES OF DEVELOPMENT OF HYDROGRAPHIC SURVEYING AND NAUTICAL CHARTING CAPABILITY

Phases of Development	National Activity
Phase 0 Unaware of its national obligations	<ul style="list-style-type: none"> • The country does not have a National Authority (NA) and/or National Hydrographic Coordinating Committee (NHCC) • Need to raise maritime awareness • Need to create infrastructure to collect and circulate maritime safety information • Need to strengthen links with NAVAREA Coordinator to enable the promulgation of safety information • Form National Authority (NA) and/or National Hydrographic Coordinating Committee (NHCC)
Phase 1 Aware of its national obligations but need to improve their processes. Collection and circulation of nautical information, necessary to maintain existing charts and publications up to date	<ul style="list-style-type: none"> • Create/improve current infrastructure to collect and circulate information • Strengthen links with charting authority to enable updating of charts and publications • Minimal training needed • Strengthen links with NAVAREA Coordinator to enable the promulgation of safety information • Keep a National Structure to prevention or mitigation of consequences of marine disasters or climate change
Phase 2 Creation of a surveying capability to conduct: <ul style="list-style-type: none"> • Coastal projects • Offshore Projects 	<ul style="list-style-type: none"> • Establish capacity to enable surveys of ports and their approaches • Maintain adequate aids to navigation • Build capacity to enable surveys in support of coastal and offshore areas • Build capacity to set up hydrographic databases to support the work of the NA/NHCC • Provide basic geospatial data via MSDI • Requires funding for training, advising & equipment or contract survey
Phase 3 Produce paper charts, ENC and publications independently	<ul style="list-style-type: none"> • The need shall be thoroughly assessed. Requires investment for production, distribution and updating • Alternatively, bi-lateral agreements for charting can provide easier solutions in production and distribution (of ENC through RENCs) and rewards. • Further development of MSDI

INTERNATIONAL HYDROGRAPHIC ORGANIZATION
Adopted 2024 CBWP V2

Updated: 5/2/2024

IHO WP Element: Capacity Building Assessment - Technical and High-Level Visits					
No.	Events	Responsible	Budget	Status	Resources
A-01	Technical visit to Guinea	EAIHC	6,000 €	Led by Date	IHO
A-02	Technical Visit to DRC	EAIHC	10,000 €	Led by Date	IHO-ROK
A-03	Technical Visit to Uganda	SAIHC	4,000 €	Led by Date	IHO-ROK
A-04	High Level Technical Visit to Colombia	MACHC	5,000 €	Led by Date	IHO-ROK
A-05	Technical visit to S. Tomé e Príncipe (from 2023 A-02)	EAIHC	5,500 €	Led by Date	IHO
A-06	High Level Technical Visit to Iraq (from 2023 A-04)	RSAHC	5,000 €	Led by Date	IHO
A-07	Technical Visit to Costa Rica (from 2023 A-05)	MACHC	4,800 €	Led by Date	IHO
A-08	Technical visit to Guinea-Bissau (from 2022 A-06, 2023 A-10)	EAIHC	5,000 €	Led by Date	IHO
A-9	Technical Visit to Honduras (from 2021 A-03, 2022 A-11, 2023 A-11)	MACHC	4,200 €	Led by Date	IHO
A-10	Technical Visit to Cambodia (from 2021 A-08, 2022 A-15, 2023 A-14)	EAHC	5,720 €	Led by Date	IHO
A-11	Technical Visit to Iran (former 2020 A-11, 2019 A-12, 2021 A-14, 2022 A-17, 2023 A-15)	RSAHC	3,000 €	Led by Date	IHO
			-	58,220 €	



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QUE FAIRE AU NIVEAU DE LA CHATO? WHAT TO DO AT EATHC LEVEL ?

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Table 1: Degree of engagement (X = Low, XX = Medium-low, XXX = Medium-high, XXXX = High)

	IHO	CBSC	RHC	Country
Awareness	XXX	XXXX	XX	X
Assessment	X	XXX	XXXX	XX
Analysis	XXXX	XXX	XX	X
Action	X	XX	XXX	XXXX

*Essayons déjà d'être force de proposition pour compléter les offres de formation existantes.
Charge au coordinateur de développement de capacité pour la CHAtO d'en tenir compte
pour :*

- préparer le programme régional triennal à venir*
- voire amender la stratégie de l'OHI du moins dans ses spécificités régionales*

Let us already try to be proactive in complementing existing training offers. It is up to the capacity development coordinator for CHAtO to take this into account to:

- prepare the upcoming three-year regional program*
- or even amend the IHO strategy at least in its regional specificities*



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MÉTHODE: ORGANISATION DES 3 ATELIERS (EN ANGLAIS, FRANÇAIS ET PORTUGAIS) METHOD: ORGANIZATION OF 3 WORKSHOPS (ENGLISH, FRENCH, PORTUGUESE)

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ATELIER A (29 April)

Exprimer les besoins des pays indépendamment des offres de développement de capacités existantes /

Express country needs independently of existing capacity development offers.

(30 April)

Offres actuelles de formation /

Current training offers in hydrography schools.

ATELIER B (30 April)

Identification des formations existantes pouvant être utilisées et celles devant être créées /
Identification of existing training courses to be used and those to be implemented



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ORGANISATION DES 3 ATELIERS : L'OBJECTIF ORGANIZATION OF 3 WORKSHOPS : THE OBJECTIVE

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ATELIER A (29 April) : De quoi parle-t-on en matière de développement de capacités ?

Quoi: formation, matériel, conseil en organisation et coopération, financements

Pour formations:

- **Sujets:** information nautique, levés, cartographie,
- **Sans oublier:** environnement, gestion des risques, économie bleue
- **Domaines:** le côtier, le large, les ports, les lagunes, les fleuves
- **Sujets connexes et transverses :** gestion des données (bases, portails-Internet ...), géomatique, acquisitions et entretien du matériels (électronique, informatique...)

WORKSHOP A (April 29): What are we talking about in terms of capacity building ?

What: training, equipment, organizational and cooperation advice, financing

For training:

- **Subjects:** nautical information, surveys, cartography,
- **Without forgetting:** environment, risk management, blue economy
- **Domains:** coastal, offshore, ports, lagoons, rivers
- **Related and transversal subjects:** data management (databases, Internet portals, etc.), geomatics, acquisitions and maintenance of equipment (electronics, IT, etc.)



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ORGANISATION DES 3 ATELIERS : L'OBJECTIF ORGANIZATION OF 3 WORKSHOPS : THE OBJECTIVE

International
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ATELIER A (29 April) : De quoi parle-t-on en matière de développement de capacités

Pour formations (suite) :

- **Où:** hors Afrique, Afrique (absence d'écoles homologuées)
- **Dans quelle langue ?**
- **Comment ?** (face to face – E-learning)
- **Quels niveaux de formation :** opérateur, technicien supérieur (B), ingénieur (A), recherche scientifique
- **Quels métiers:** hydrographes, cartographes, électroniciens, informaticiens, managers
- ... avec **quel argent !**

WORKSHOP A (April 29): What are we talking about in terms of capacity building ?

For training (following) :

- **Where:** outside Africa, Africa (absence of approved schools)
- **In what language?**
- **How ?** (face to face – E-learning)
- **What levels of training:** operator, senior technician (B), engineer (A), scientific research
- **What professions:** hydrographers, cartographers, electronics engineers, computer scientists, managers
- ...with **what money!**