



**‘HydroMAOC’
definition study for a
comprehensive capacity
building Project**

EAtHC14 – Cadix (Spain) – October 2016

Background - Contexte

- CBSC12 (France, May14)

To define how to conduct and implement a consistent set of actions to develop hydrography in West and Central Africa.

Définir comment conduire et implémenter un ensemble pertinent d'actions pour développer l'hydrographie en Afrique de l'Ouest et du Centre



EAtHC14-CHAtO14
HydroMAOC
Cadix – Oct 2016

General approach Approche générale

ANALYSIS

- Archives
- SWOT
- Visits/*Visites*

HYDRO CAPABILITY DEFINITION

- Education/*Éducation*
- Equipment/*Équipement*
- Empowerment/*Émancipation*

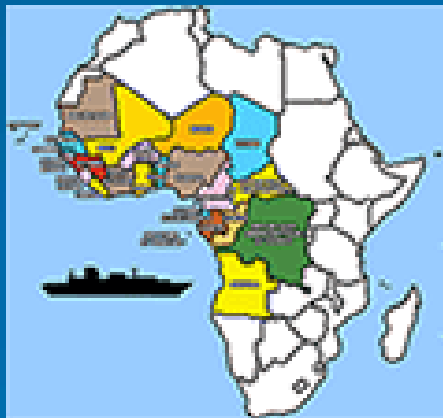
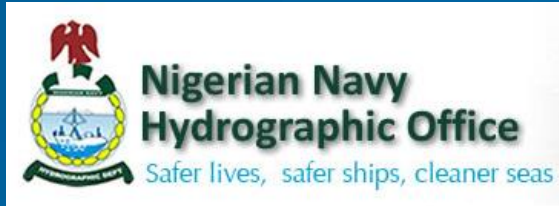
IMPLEMENTATION PROCESS

- Roadmap/*Feuille de route*
- Fundraising/*Financement*
- Recommendations

REGIONAL CB PROGRAMME

EAtHC14-CHAtO14
HydroMAOC
Cadix – Oct 2016

Analysis - Analyse



Hydrographic Capacity: Components

Capacité hydrographique: composantes



EAtHC14-CHAtO14
HydroMAOC
Cadix – Oct 2016

	Education	Equipment	Empowerment
Surveying	<ul style="list-style-type: none"> ➤ Surveyors/Operators ➤ Electronic experts ➤ IT experts 	<ul style="list-style-type: none"> ➤ Deployable Equipment ➤ Software/CPU ➤ Tide/GPS stations 	<ul style="list-style-type: none"> ➤ R/N Framework ➤ Consolidated procedures
Charting	<ul style="list-style-type: none"> ➤ Cartographers (Land?) ➤ SDB experts ➤ IT experts 	<ul style="list-style-type: none"> ➤ Software ➤ Database, IT network. 	<ul style="list-style-type: none"> ➤ Chart production plan (iaw PCA) ➤ Consolidated procedures
MSDI	<ul style="list-style-type: none"> ➤ GIS experts ➤ IT experts 	<ul style="list-style-type: none"> ➤ IT infrastructure ➤ GIS tools/web portal 	<ul style="list-style-type: none"> ➤ Marine Geospatial Data Policy ➤ Portal hosting and management
Expertise	<ul style="list-style-type: none"> ➤ Maritime boundaries ➤ Survey specifications ➤ MSP ➤ MSI experts 	<ul style="list-style-type: none"> ➤ Software/CPU ➤ Database, IT network. 	<ul style="list-style-type: none"> ➤ Connection with other admin/bodies
Structure	<ul style="list-style-type: none"> ➤ Local tutors (MOOC) ➤ Local trainers 	<ul style="list-style-type: none"> ➤ Maintenance framework ➤ Facilities 	<ul style="list-style-type: none"> ➤ R/N Survey Programme ➤ MSI organization

E-learning

Roving courses
Cours itinérants

Local courses
Cours locaux

MOOC resources

Host, management & maintenance

Local Mentoring/Tutorat local

GIS/MSI web portal / portail SIG-RSM

Host, management & maintenance

RSM/MSI
Procedures
GM data Policy

Survey equipment/équipement levés

Equipment/IT maintenance

Chart Prod equipment

Maintenance

Survey inventory
Etat des lieux
SdB assesment
Etude SdB

Regional Survey Plan
Programme de levés

Survey/Levés
Procedures

Charting/Cartographie
Procedures

IMPLEMENTATION/MISE EN OEUVRE

Risk analysis/Analyse de risques

- Rough estimated cost of that regional hydrographic capacity
10-15 Millions Euros (€)
- Education: The inconsistency of the learning approach
 - ➔ *Choice of subjects, MOOC pedagogic approach, apprenticeship*
 - ➔ *E-learning economic model*
- Equipment: The sustainability of the equipment pool
 - ➔ *Wise choice of equipment and tools*
 - ➔ *Synchronization between provision and training*
 - ➔ *IT/electronics expert training considered*
 - ➔ *Maintenance framework (lease? loan?).*
- Empowerment: Implementation of a regional survey plan
 - ➔ *Survey specifications >> contractors*
 - ➔ *Local capacity >> survey work*



EAtHC14-CHAto14
HydroMAOC
Cadix – Oct 2016

Fundraising/Financement

▪ International & regional funders

World Bank, African Development Bank Group, Western African Development Bank, Islamic Development Bank, European Union (EDF), IHO, IMO, UN.

▪ National funders

AFD (FR), UK Trade & Investment (UK), AICEP (PT), Chinese Development Bank (CN), EAtHC coastal States.

▪ Corporate and private funders

Oil and Gas, Maritime transport & infrastructures, Hydrographic Industry, Marine renewable energy

Funding strategies (1/2)

■ Regional implementation

- Target: International/regional
- Integration of hydrographic objectives in domain/regional/national policies & strategies
- Requires support from coastal States
- Long term strategy (ADB's RIPoS = 10 years!)

■ National implementation

- Target: International/regional/national
- Target 'champion' coastal States
- 'Snowball effect'



Implementation strategies (2/2)

▪ Thematic implementation

→ Funding: International/regional/national

→ Identify 'maritime' areas of concern

Blue Economy, Maritime Safety, State action at sea,
Environment

→ Connect them with hydrographic related projects

Blue Economy: Marine Renewable energy site study,...

Maritime Safety: Maritime highways ,...

Environment protection: Sea level observation network,...

State action at sea: MSP, maritime boundaries,...

EAtHC14-CHAtO14

HydroMAOC

Cadix – Oct 2016

What's next?

- Promote the concept of a comprehensive CB project to high level political deciders/international regional bodies/potential funders
- Improve the consideration of maritime challenges in International funders policies & strategies
- Support Information & communications technologies (ICTs) to improve awareness and understanding
- Harmonize African RHC's CB programmes



EAtHC14-CHAtO14
HydroMAOC
Cadix – Oct 2016



Questions?

Merci pour votre attention

Thank you for your attention