



‘HydroMAOC’ definition study for a comprehensive Project

IENWG – St. Mandé – January 19th 2016

Background - Context

- The revision of the IHO CB strategy
 - *Offers new perspective of CB actions organization and funding*
- MOWCA-IHO-EAtHC workshop on hydrography (Pointe-Noire, nov2013)
 - *Emphasizing on the need of a specific approach for capacity building project*
 - *Regional approach (mutualisation)*
 - *Comprehensive (i.e training, practising, equipment, organization...)*



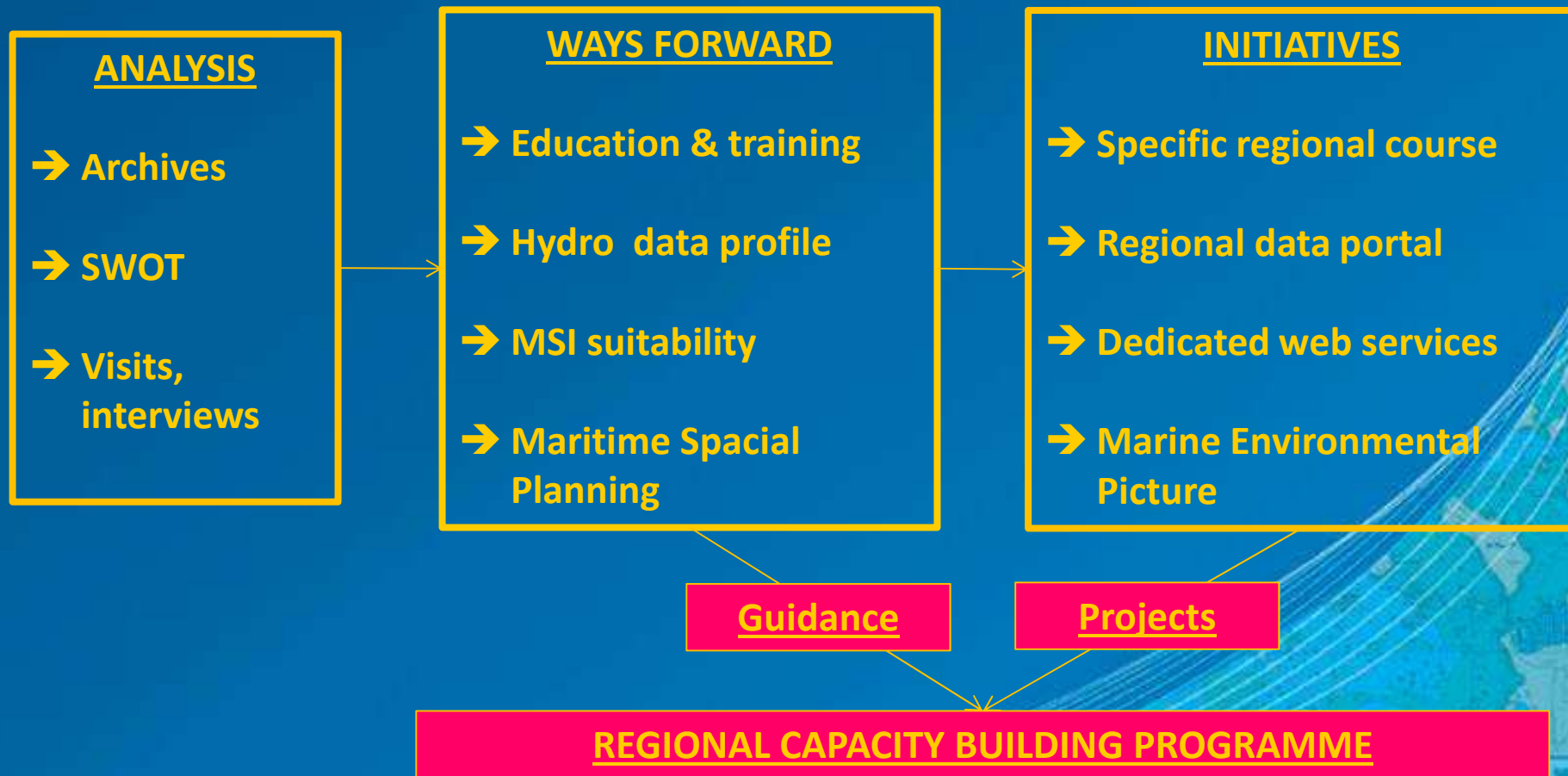
Background - Context

- CBSC12 (France, May14)
 - proposal of a definition study for a comprehensive CB Project has been submitted by FR and approved by CBSC for CBWP 2015

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



HydroMAOC approach



Potential sources of funding

- International & regional bodies

World Bank, African Development Bank, Western African Development Bank, Islamic Development Bank, European Union (Devco).

- National bodies

AFD (FR), Business France (FR), UK Trade & Investment (UK), AICEP (PT), Chinese Development Bank (CH).

- Corporate and private bodies

Oil and Gaz, Maritime transport, Harbour infrastructures, Hydrographic Industry stakeholders.

→ @ Promotion & Emphasis of Hydrographic expertise towards potential funders



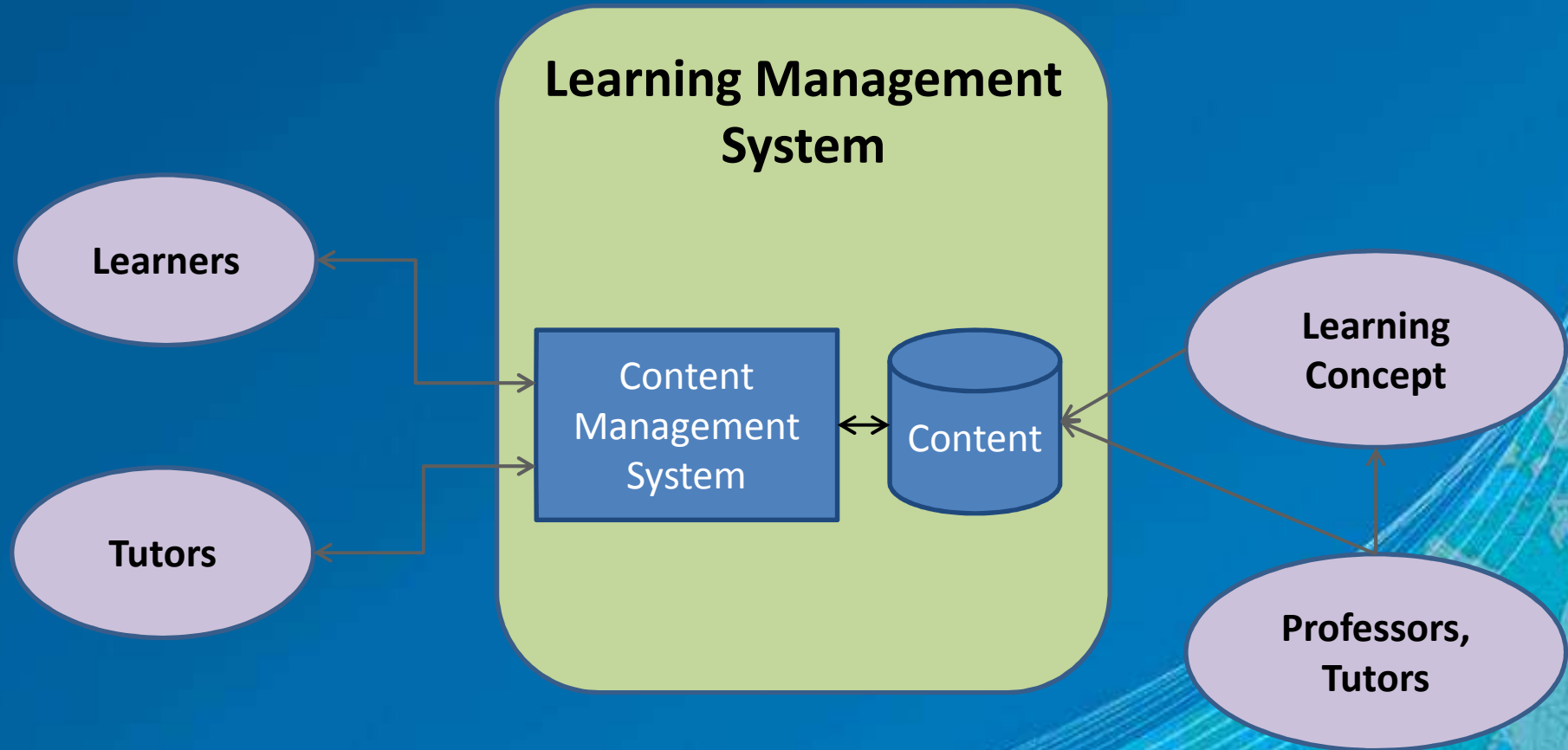
Educational resources & training

Regional 'blended' e-learning capability

- *E-learning resources developed on a pedagogic approach and supported by local tutor network,*
- *'Blended' approach: tutored distance learning + 'face to face' practical sessions,*
- *'face to face' practical sessions: role of regional maritime academies (ARSTM, AMU)*
- *Thematics targeted: MSI, Maritime boundaries, Marine GIS, Survey Specifications, Hydrography and Governance, Hydrographic Field Operator and eventually Cat.B/Cat.A courses.*
- *2016: EAtHC E-learning experimentation (20 000€).*

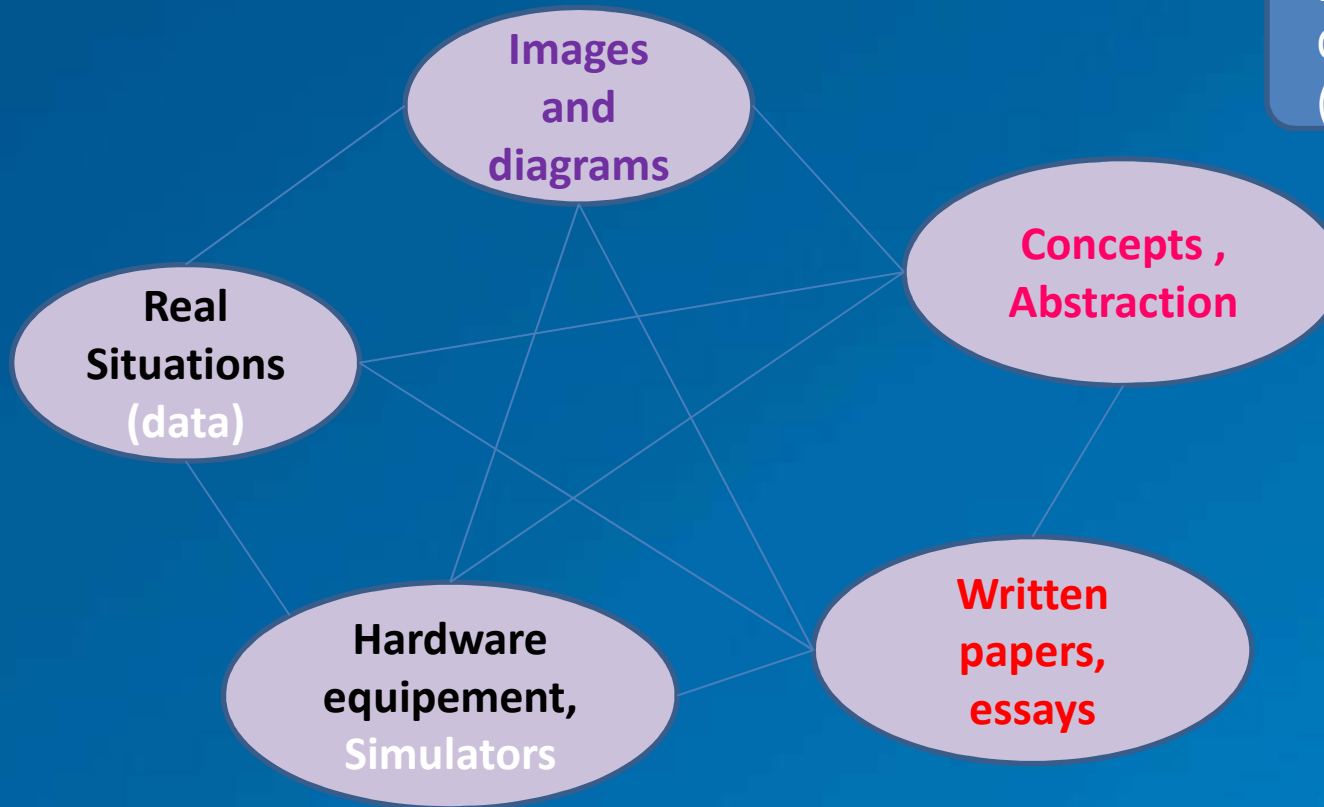


Distance learning management system



Pedagogical approach

LEARNING
CONCEPT
(Van der Waals)



Computer assisted teaching various scenarii making the student really active in that learning process.



Educational resources & training

Regional 'blended' e-learning capability

→ Potential Risks

- *The inconsistency of that learning approach;*
- *The reliability of the economic model;*
- *The continuity of tutoring;*
- *The sustainability of the survey equipment pool.*



Access to Maritime Geospatial Data

Regional web data portal solution

- *Better visibility of existing maritime geospatial data,*
- *Produce aggregative layers based upon data from various partners within the region,*
- *Provide relevant web services and community tools,*
- *Role of MOWCA's CINFOCOM to host the web portal and its infrastructure,*
- **2015: Development of a demonstrator using SHOM's data portal with specific data layers. Regional data from other HOs (UK, PT) to be expected.**



Access to Maritime Geospatial Data



DATA.SHOM.FR

Information géographique maritime et littorale de référence

[Nous contacter](#) | [Aide](#) | [FR](#) | [EN](#)

[Remonter une information](#)

Navigation controls: Home, Back, Forward, Zoom In, Zoom Out

Map: GULF OF GUINEA, I - France, FR373840, FR373830, FR373830, FR372570, FR375880

Left sidebar menu:

- Limites maritimes >
- Zones SAR
- Zones de surveillance
- Base de données maritimes et littorales >
- Câbles et conduites
- Délimitations maritimes
- Limites du plateau continental
- Toponymie
- Trait de côte HISTOLITT®
- Trait de côte mondial
- Épaves et obstructions
- Altimétrie littorale >
- Bathymétrie >

Right sidebar: World map inset, SHOM logo, CEBCO logo



PRÉFECTURE DE LA MER

Access to Maritime Geospatial Data

→ Potential Risks

- *Insufficient data providers partnership to produce relevant data layers;*
- *Data policy regarding that regional data infrastructure;*
- *Duplicity of that solution with other GIS solutions used by maritime stakeholders.*



Common Marine Environmental Picture

Joint Regional Hydrographic Program

- *Listing and summarizing past experience on collecting data in that region,*
- *Develop and test an algorithm to select the most appropriate surveying method,*
- *Issue a regional hydrographic program to achieve a common picture.*



Common Marine Environmental Picture

→ Potential Risks

- *Multiplicity of hydrographic data type defining this common picture,*
- *Wide range of coastal States needs for maritime geospatial information to satisfy,*
- *Governance of such a mutualized acquisition program VS involvement of regional maritime stakeholders*



Next steps

- End of January 2016: Issue of HydroMAOC Report.
- February 2016: On site visits to Ghana and Nigeria (visits held in Cote d'Ivoire last Sept 15).
- HydroMAOC outcomes presentation: African Union Summit for Maritime safety (tbc - mars 2016, Togo), CBSC15 (mai 2016, UAE), EAthC.
- Look-up for funding opportunities to the regional CB project to be pursued.





Questions? Preguntas?

Thanks for your attention

Gracias por su atención

elangloi@shom.fr