



PART 2

SUBMISSION MODEL



IDENTIFICATION

Project Number: _____/2016

Project Name:	Data Management WORKSHOP
Submitting RHC/Country (Priority)	SOHMA - Uruguay Priority: 3
Date:	SECOND SEMESTER 2017
Institution executing the project:	Oceanographic, Hydrographic and Meteorological Service (SOHMA).
Name of responsible:	Cdr. Jorge LEMOS Chief of Hydrographic Department of SOHMA.
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GENERAL SPECIFICATIONS

Background information	On the 10th meeting of the SWAtHC was decided to propose to CBSC, in 2016, the necessary training courses to improve the regional skills on DATA MANEGEMENT. The final approval to this bid will be decided by CBSC under the present formal submission.
Justification of the project	<p>Increasing number of ships are using ENC and E-navigation. The decision of <u>XVII I. H. Conference</u> that all Countries should have their waters covered by ENCs intensifies the need of consistent information in ENCs, which can be provided by spatial data.</p> <p>This Workshop intends to provide the opportunity to the Regional Hydrographic Community to discuss issues like, data qualifying, Metadata profile, data and metadata Storage/database, and database uses/queries.</p> <p>This Workshop will be open to representatives of IHO Member States (MS) and Non MS, Hydrographic Offices of the region to provide with the experience exchange between the Countries and consequently relevant and constructive contribution to the Enc Data management as well as to the Regional MSDI.</p>

Countries involved	Brazil, Argentina and Uruguay are the main participants to be supported by CB funds. After a detailed study of costs, Uruguay would like to suggest CBSC to expand the invitation to 4 (four) Latin American countries apart of the SWAtHC. In addition, the course would be opened to any other public or private Hydrographic organisation that decides to send its participants.												
Exposition of the problem	The ENC production needs to be concerned about issues like consistency of the Hydrographic Database. The region need to have Data Management capability in order to be able to contribute to the IHO Hydrographic Database and consequently providing a more reliable Data and Metadata under one specific exchange format.												
General objective	To increase the Latin American capability on Data Management in order to properly use geo-referenced Data bases (i.e. ENC database).												
Specific objectives	1.- To provide the opportunity for participants to exchange experiences, which is useful to solve common problems. 2.- To offer the workshop in Latin America to stimulate its countries to participate. 3.-To provide a forum to discuss the needs in order to improve the Data Management in the region.												
Outputs/Products	More qualified hydrographers to use Nautical Charts data base products within the South American region.												
Other deliverables	Build a net of regional users to solve common Data Management issues.												
Achievements and awaited benefits	The more qualified hydrographers would benefit the final quality of ENC production. The main purpose is to discuss how Data Management can improve MS meeting of the IHO-S57 standards and future IHO-S100 and enhancing of their Nautical Charts quality.												
Schedule of activities	<p>The Oceanographic, Hydrographic and Meteorological Service (SOHMA), have already made some informal contacts with organizers team to learn about their experience.</p> <p>Uruguay intends to follow the Workshop as described below:</p> <table border="1"> <tr> <td>First day Morning</td><td> <ul style="list-style-type: none"> • Brief over view of what a Database is. • Caris-presentation: Data Base Softwares, architecture, Spatial Database. </td></tr> <tr> <td>First day Afternoon</td><td> <ul style="list-style-type: none"> • Database solutions, Meta data, queries and architecture. • Metadata and exchange format. </td></tr> <tr> <td>Second Day</td><td> <ul style="list-style-type: none"> • Metadata profile, GIS database architecture and data exchange, • The HPD architecture. </td></tr> <tr> <td>Third Day</td><td> <ul style="list-style-type: none"> • Introducing data in the HPD Database. • Storing Bathimetric Data on Spatial database. • Using CARIS BATHY as exemple. </td></tr> <tr> <td>Fourth Day</td><td> <ul style="list-style-type: none"> • Each MS will be encouraged to presents their experience on Batimetric Data Storage, Database uses, concerns and issues, including wishes to be implemented in the future and discussion. </td></tr> <tr> <td>Fifth Day</td><td> <ul style="list-style-type: none"> • Caris Presentation, concerning BATY/HPD solution and improvements </td></tr> </table> <p>This tentative approach can be modified due to further evaluation of course preparations.</p>	First day Morning	<ul style="list-style-type: none"> • Brief over view of what a Database is. • Caris-presentation: Data Base Softwares, architecture, Spatial Database. 	First day Afternoon	<ul style="list-style-type: none"> • Database solutions, Meta data, queries and architecture. • Metadata and exchange format. 	Second Day	<ul style="list-style-type: none"> • Metadata profile, GIS database architecture and data exchange, • The HPD architecture. 	Third Day	<ul style="list-style-type: none"> • Introducing data in the HPD Database. • Storing Bathimetric Data on Spatial database. • Using CARIS BATHY as exemple. 	Fourth Day	<ul style="list-style-type: none"> • Each MS will be encouraged to presents their experience on Batimetric Data Storage, Database uses, concerns and issues, including wishes to be implemented in the future and discussion. 	Fifth Day	<ul style="list-style-type: none"> • Caris Presentation, concerning BATY/HPD solution and improvements
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RESOURCES

Contribution by countries involved	(€ 2,000) The SWAtHC host Country (Uruguay) will provide the meeting room and personal to organize the several activities during the workshop.																																							
Contribution by other parties	Not programmed.																																							
Contribution expected from CBFund	(€ 19,500) Hotels, flights and transportation for the other SWAtHC countries participants (up to 2 participants from each country non CARIS users, for them to be introduced to this kind of solution). Payment for the companies elected for giving presentations.																																							
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