



PROJECT SUBMISSION MODEL

IDENTIFICATION

Project Number :

Project Name:	Development of a Regional Marine Spatial Data Infrastructure (MSDI) Workshop
Submitting RHC/Country:	RSAHC (as part of the approved RSAHC CB Plan)
Date:	2018
Institution executing the project:	RSAHC/UKHO
Name of responsible:	Jeff Bryant, RSAHC CB Coordinator
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GENERAL SPECIFICATIONS

(Please provide detailed information in Annex of no more than three pages)

Background information	<p>The IHO definition of Hydrography supports "...marine activities including economic development, security and defence, scientific research and environmental protection". One of the objectives of the organization identifies the importance of the development of the sciences in the field of hydrography and the techniques employed in descriptive oceanography.</p> <p>Within the HO community, there remains an incomplete understanding of the interacting systems and sciences that operate in the world's oceans and coastal areas. Pressure is now growing globally to improve that understanding. This Workshop approach highlights the relevance of Data Management "best practice"; a key enabler to MSDI, that would support development of a framework for Coastal and Marine Spatial Planning programs (MSP) and other initiatives at the enterprise, national and/ or regional levels. It introduces and informs how MSDI inter reacts as a component within the framework of a National Spatial Data Infrastructure (NSDI) through the development and later delivery of a series of global workshops. The workshops will utilize a panel of recognized leaders and experts in the various components of MSDI development as well as expertise and experience in developing NSDI. The workshops will build on the work undertaken by the MSDIWG by providing a practical platform of knowledge transfer to enable MS's to engage and actively participate in MSDI and MSP development. In this way the HO community will be able to inform and shape the way MSDI is delivered.</p>
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Justification of the project	Regional and / or National requirement
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Countries involved	RSAHC Member and Associate States will be beneficiaries of this workshop
Exposition of the problem	Individual Nations cannot fund appropriate staff to undertake any recognized course just at the time when they are required to respond to global challenges in the marine and coastal zone.
General objective	There is a particular urgent need to address issues associated with MSDI in this region due to the conflicting use of the regional sea space, dwindling resources, lack of up to date and reliable hydrographic and oceanographic data, the threats posed by climate change, coastal inundation and the need for parties to work more closely together to ensure long term economic and social development and sustainability at the national and regional level. The workshop will enhance knowledge, understanding and confidence by providing delegates with practical insight as to what measures can be taken to develop and manage an MSDI framework. It will also provide an insight into what can be accomplished through development of robust and active programs of real time data monitoring; data capture and evaluation, data management, data sharing and exchange as well as improved access to information to underpin modeling and visualization of the underwater and coastal environment. The workshop will develop an appreciation of what is needed and how to measure and monitor progress over time against defined achievable goals.
Specific objectives	Introduce MSDI to the attending delegates as the marine component of an SDI and provide practical assistance in developing capability at the regional and national level. MSDI encompasses all marine geographic and business information that supports decision making processes and asset management.
Outputs/Products	Increased and enhanced understanding of MSDI and its contribution to delivering successful national, regional, and potentially, global development in the marine space. It will do this through the provision of knowledge, understanding, tools and processes, solutions and case studies to better meet the challenges we all now face..
Other deliverables	Creation of a new knowledge base within the IHO community which MS's can access and learn from. The workshop approach will be supported by FIG and IOC.
Achievements and awaited benefits	

Schedule of activities	5 day course
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RESOURCES

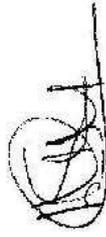
Contribution by countries involved	Venue to be decided
Contribution	2 international subject matter experts plus regional representation will be

by other parties	assembled to provide content preparation, organization, presentation of lectures, sharing of best practice, delivery of case studies and factual information for the workshop across the spectrum of MSDI subject areas including Governance, Data, ICT and Standards. This course will take into account current key global drivers for change, including the Rio+20 Conference outcome resulting in a commitment to develop the Blue Economy, UN-GGIM with its commitment to make geospatial data (including marine/maritime) central to all decision making and the G8 Group of Nations Open Data Charter stimulating wider access and re-use of publically funded data.																																																																																																																					
Contribution expected from CBCFund	Yes																																																																																																																					
Total Cost (euros)	€26,293																																																																																																																					
Breakdown of costs (subject to confirmation)	<table border="0" style="width: 100%;"> <tr> <td></td> <td style="text-align: center;">Trainees</td> <td style="text-align: center;">x 10</td> <td style="text-align: center;">(1 local)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Flights</td> <td></td> <td style="text-align: center;">9</td> <td>persons x</td> <td style="text-align: right;">€ 350</td> <td></td> <td style="text-align: right;">€ 3,150</td> </tr> <tr> <td>Hotel, all meals</td> <td></td> <td style="text-align: center;">9</td> <td>persons x</td> <td style="text-align: right;">6 nights</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">=</td> <td style="text-align: center;">54</td> <td>nights x</td> <td style="text-align: right;">€ 250</td> <td></td> <td style="text-align: right;">€ 13,500</td> </tr> <tr> <td>Transport</td> <td></td> <td style="text-align: center;">9</td> <td>persons x</td> <td style="text-align: right;">€ 46</td> <td></td> <td style="text-align: right;">€ 414</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">Trainers</td> <td style="text-align: center;">x 2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fees</td> <td></td> <td style="text-align: center;">2</td> <td>x</td> <td style="text-align: right;">€ 2,200</td> <td></td> <td style="text-align: right;">€ 4,400</td> </tr> <tr> <td>Flights</td> <td></td> <td style="text-align: center;">2</td> <td>x</td> <td style="text-align: right;">€ 550</td> <td></td> <td style="text-align: right;">€ 1,100</td> </tr> <tr> <td>Hotel, all meals</td> <td></td> <td style="text-align: center;">2</td> <td>persons x</td> <td style="text-align: right;">6 nights</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">=</td> <td style="text-align: center;">12</td> <td>nights x</td> <td style="text-align: right;">€ 250</td> <td></td> <td style="text-align: right;">€ 3,000</td> </tr> <tr> <td>Transport</td> <td></td> <td style="text-align: center;">2</td> <td>persons x</td> <td style="text-align: right;">€ 46</td> <td></td> <td style="text-align: right;">€ 92</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td colspan="5">Venue materials & hire costs</td> <td></td> </tr> <tr> <td></td> <td colspan="5">For the week</td> <td style="text-align: right;">€ 637</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">Total</td> <td></td> <td style="text-align: right;">€ 26,293</td> </tr> </table> <p>Please note that the figures above have been rounded up/down to the nearest Euro and were taken from a more detailed spreadsheet.</p>							Trainees	x 10	(1 local)				Flights		9	persons x	€ 350		€ 3,150	Hotel, all meals		9	persons x	6 nights				=	54	nights x	€ 250		€ 13,500	Transport		9	persons x	€ 46		€ 414									Trainers	x 2					Fees		2	x	€ 2,200		€ 4,400	Flights		2	x	€ 550		€ 1,100	Hotel, all meals		2	persons x	6 nights				=	12	nights x	€ 250		€ 3,000	Transport		2	persons x	€ 46		€ 92									Venue materials & hire costs							For the week					€ 637					Total		€ 26,293
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From CBC Fund (item and amount)	Training and education	€26,293
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PROJECT SUMMARY

Sponsor RHC	Year of Execution	Country/ Countries involved	Priority/Status	Project Name	Project Objective	Benefits	Assistance required	Cost	Allocation and Priority (to be filled by CBC)	Contact Person



Name & Signature:
SALMAN AHMED KHAN
Commander
Pak Navy
Deputy Hydrographer
Chairman RSAHC
For