



## **Why “Best Practise” Data Management is Key to Enabling Hydrographic Capability”**

### **Fundamentals of Best Practise Data Management and Marine Spatial Data Infrastructure (MSDI) Workshop**

**Monday 21<sup>st</sup> September 2015**

Time	Description	Outcome
1330 - 1335	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Welcome</li> <li>• Objectives of the Session</li> <li>• IHO Policy drivers</li> </ul>	
1335 - 1400	<b>Part 1: Spatial Data Infrastructure</b> <i>Instructor presentation on SDI :</i> <ul style="list-style-type: none"> <li>• What it is and what it is not!</li> <li>• Policy and Governance (People)</li> <li>• Technical Standards (Standards)</li> <li>• Information Systems / Services (ICT)</li> <li>• Geographic Content (Data)</li> </ul>	Have a basic understanding of spatial data infrastructures (SDI) and the important marine components (MSDI)
1400 - 1425	<b>Part 2: Wider use and applications of HO data</b> <i>Instructor led group discussion on:</i> <ul style="list-style-type: none"> <li>• The future role and viability of Hydrographic Offices               <ul style="list-style-type: none"> <li>• Supporting “The Blue Economy”</li> <li>• Hydrography is more than charting!</li> <li>• HO’s as a stakeholder in a SDI</li> </ul> </li> </ul>	Understand the strengths, weaknesses, opportunities and threats facing HO’s and how HO’s can contribute to the wider economy
1425 - 1450	<b>Part 3: Data Sharing and Efficiencies</b> <i>Instructor led group discussions introducing</i> <ul style="list-style-type: none"> <li>• Achieving best practise</li> <li>• Data sharing</li> <li>• Delivering operational efficiencies</li> </ul>	Have a knowledge and understanding of how other organisations are tackling SDI development at the national or regional level
1450 - 1515	<b>Part 4: Data Management “Best Practise”</b> <i>Instructor presentations providing a basic understanding of:</i> <ul style="list-style-type: none"> <li>• Data policies and principles</li> <li>• Data management systems and design</li> <li>• Metadata</li> <li>• Sources of data</li> <li>• Structure, attribution and relationships</li> <li>• Versioning and data outputs</li> </ul>	Have an understanding of the fundamentals of effective data management, database design structure and implementation and why metadata is as important as data itself!
1515 - 1535	<b>BREAK FOR TEA &amp; COFFEE</b>	
1535 - 1600	<b>Part 5: Technical Standards</b> <i>Presentation and Instructor led group discussion:</i> the importance and role of data standards	Gain a basic knowledge of standards employed in the geospatial world; the



	including the IHO S-100: <i>Geospatial Standard for Hydrographic Data</i> and extending S-100 for other products and services	implications of S-100 for the HO community and the opportunities to extend the S-1XX specifications in a common manner
1600 - 1625	<b>Part 6: Introduction To Electronic Data Publishing</b> <i>Instructor presentation</i> on the work of the Open Geospatial Consortia (OGC); Data Sharing and Network Services (Discover, View and Download)	Have a knowledge of what publishing means using a variety of media and how web services are developing to assist the user to access metadata and data for onward use (including experience in Europe with INSPIRE)
1625 - 1655	<b>Part 7: MSDI – Major Obstacles To Change and Progress?</b> <i>Instructor presentation</i> introducing and addressing challenges: <ul style="list-style-type: none"> <li>• People as individuals and as part of teams</li> <li>• Organisational culture</li> <li>• Organisational structures</li> <li>• Making the case for change</li> <li>• Making change happen</li> <li>• Sustainable change</li> </ul>	Understand why “change” is mission critical to achieving best practise and delivering MSDI and why without the support of people, success is far from guaranteed!
1655 - 1725	<b>Part 8: Making Change Happen</b> <i>Instructor led group discussion</i> about : <ul style="list-style-type: none"> <li>• The factors that hinder development</li> <li>• How these can be overcome</li> <li>• Sympathetic communication with stakeholders</li> <li>• Understanding and appreciation of the value and benefit that change brings over time</li> <li>• Getting it Right!</li> </ul>	Have the confidence and knowledge to manage and / or contribute to the change process and identify the benefits and opportunities of MSDI and the role HO’s should play in NSDI
1725 - 1730	<b>Closure of Workshop</b>	Agree “take home” messages
<b>End of Briefing Session</b>		

*Please note this programme may be subject to change*