

Introduction to Data Management (Marine) Course

Course location: IMarEST, 1 Birdcage Walk, London, SW1H 9JJ

TIME	DESCRIPTION	OUTCOME
0930 - 0945	Introduction <ul style="list-style-type: none"> Welcome Objectives of the Day 	
0945 - 1030	Part 1: Why Data Management? <i>Instructor led discussion on:</i> <ul style="list-style-type: none"> Why Data Management matters! Data Management in Context The Cost and Value benefits Traceability and Audit Ease of Access and Use Real World Applications 	An understanding of: why data management is important, costs of collecting data, its value for its original purpose, related risks, potential for re-use and identifying real world applications
1030-1115	Part 2: Data Governance <i>Presentations on:</i> <ul style="list-style-type: none"> What constitutes Good Data Management? Where should it happen? When should it happen? How does it happen? 	A formal context for the understanding acquired from the previous session.
1115-1130	BREAK	
1130-1215	Part 3: The Data Life-Cycle <i>Instructor led presentation providing a basic overview of the Data Lifecycle:</i> <ul style="list-style-type: none"> Creating data Sources of data Ingestion & Storage of data Structure, attribution and relationships Versioning Sharing, Exchange & Re-Use Archiving 	An understanding of the fundamentals of how data is collected, managed, published and used plus how important metadata is!
1215-1300	Part 4A: Standards <i>Presentation on why Standards matter</i> <ul style="list-style-type: none"> What is a standard? Approaches to Standards Standards bodies The OSI Model 	Understand the role and value of adopting and using standards in data governance
1300-1330	LUNCH	

1330-1400	<p>Part 4B: Metadata <i>Instructor led discussion session</i></p> <ul style="list-style-type: none"> • What is metadata? • Discovery metadata • Metadata Profiles • Master Data Register (MDR) • Creating metadata • MEDIN 	A basic knowledge of the value and importance of metadata in the quest for “best practise”
1400-1420	<p>Part 5: Controlled Vocabularies and Glossaries <i>Presentation to introduce the subject</i></p> <ul style="list-style-type: none"> • What is a controlled vocabulary? • Indexing Content • Retrieving Content • Explanations of marine terms 	Have an appreciation of the need to use words, phrases and terms to describe or explain marine data content
1420-1440	<p>Part 6: Coordinate Reference Systems (CRS) <i>Instructor introduction to geodetic frameworks</i></p> <ul style="list-style-type: none"> • What is a Coordinate Reference System? • What do the terms geoid, ellipsoid, spheroid and datum mean, and how are they related? • Converting between Coordinate Reference Systems 	Better appreciate how real world geospatial data can be accurately represented in different ways
1440-1500	<p>Part 7: Data Quality <i>Presentation to introduce the concept</i></p> <ul style="list-style-type: none"> • What is Data Quality • Why is it important? • How can it be assessed 	An appreciation of the importance of data quality
1500-1515	BREAK	
1515-1600	<p>Part 8: Data Publishing <i>Instructor presentation and group discussion</i></p> <ul style="list-style-type: none"> • Process • Delivered products and services • Cartography • Styling • Licensing , Sharing and Re-use 	Understanding the ways in which data is now published and considerations associated with sharing and re-use
1600-1630	<p>Part 9: Bring your own data - the challenges! <i>Interactive session to discuss and debate:</i></p> <ul style="list-style-type: none"> • How well is your data managed? • What improvements might be made? • How can “best practise” be achieved? • What is hampering progress? • How can these challenges be overcome? • What do you need to do next? 	Share experiences with instructor and other attendees to make real marine data management challenges and to derive opportunities for improvement
1630-1640	<p>Part 10: Course re-cap <i>Discussion to</i></p> <ul style="list-style-type: none"> • Identify key messages of the day • Course feedback 	

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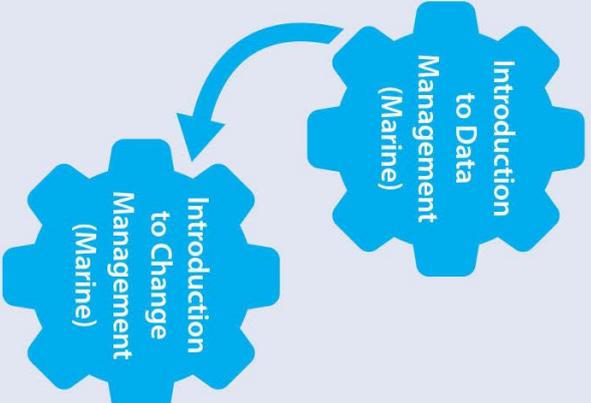
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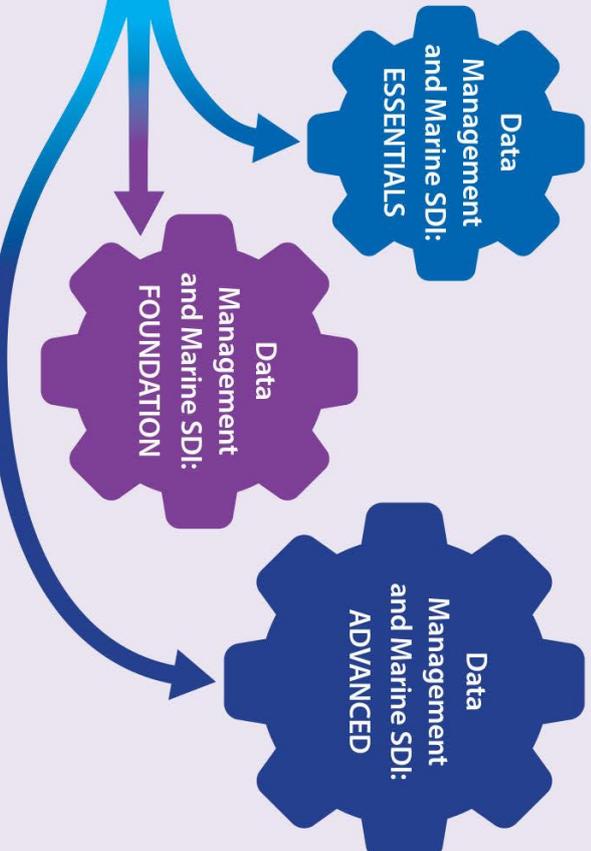
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