

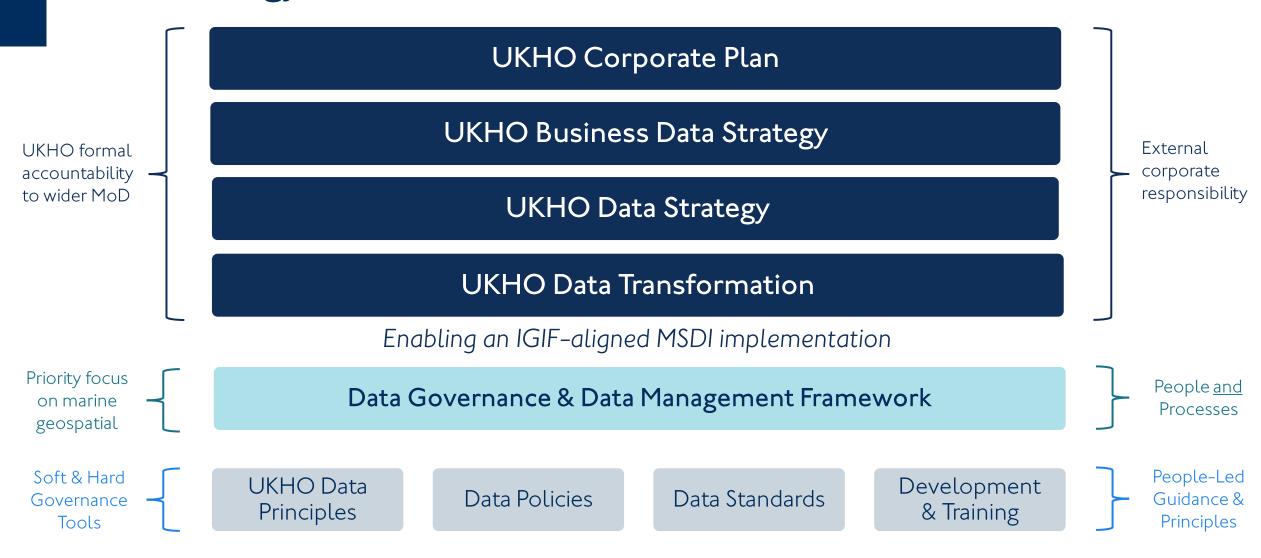




Data Strategy



Data Strategy fit



UKHO Data Principles



1. Data is an Asset that has Value

- ▶ a. We Source Once, Use Many
- b. We retain received data As-Is
- ▶ c. We prioritise data collection and analysis
- d. We maximise the value of data
- e. We ensure our own datasets comply with the Data Principles



2. Data must be Safeguarded

- a. One Way In and One Way Out
- ▶ b. We own and protect data
- ▶ c. We manage the data lifecycle
- d. We record data lineage



3. Data must be Easy to Use

- a. Our data has metadata
- b. Our data is sharable
- > c. Our data is standardised
- ▶ d. Our data adheres to FAIR Principles
- e. We present data appropriately



4. Data must be Fit for Purpose

- a. We define data purpose at an appropriate level
- b. We define and understand data veracity
- c. We monitor data veracity



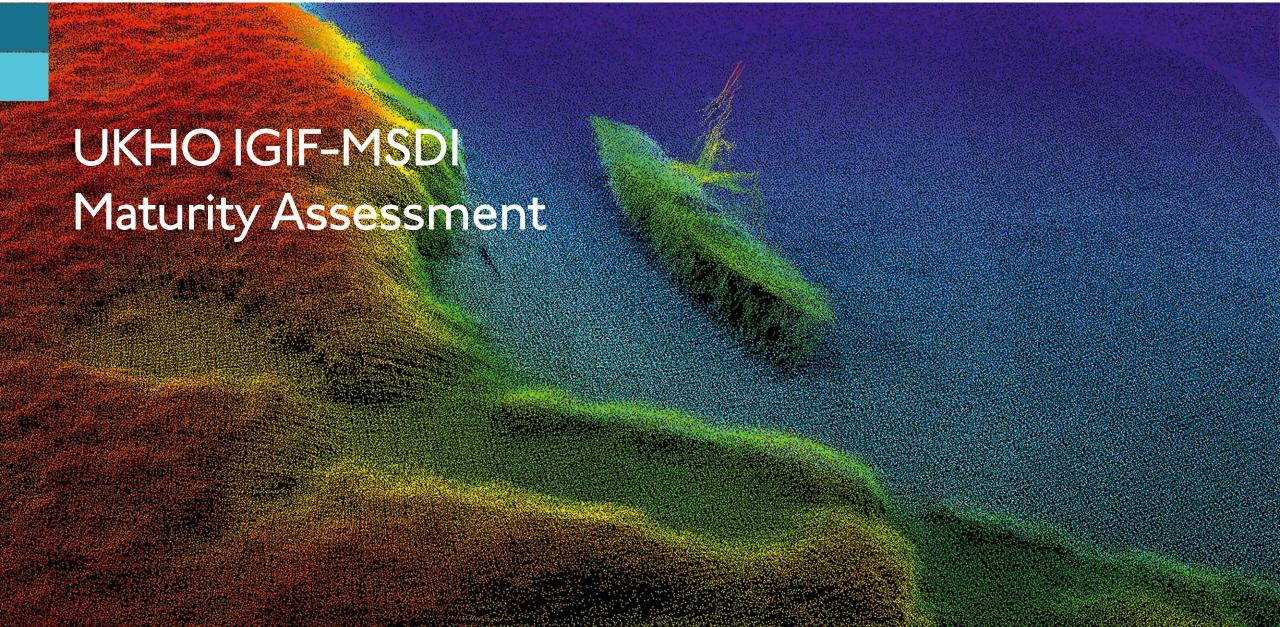
How do we bring the Data Principles to life?

What does adhere to the Data Principles mean?



- We retain data as it was received
- We source once use many times
- We prioritise data collection and analysis
- We maximise the value of data
- We ensure our own datasets comply with the data principles





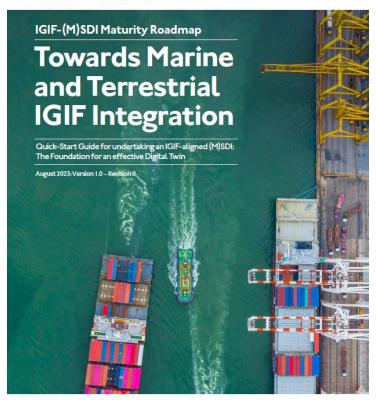


What is the OGC IGIF-(M)SDI Maturity Roadmap







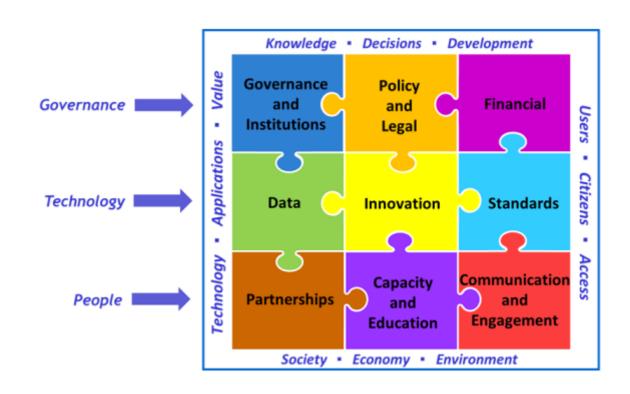














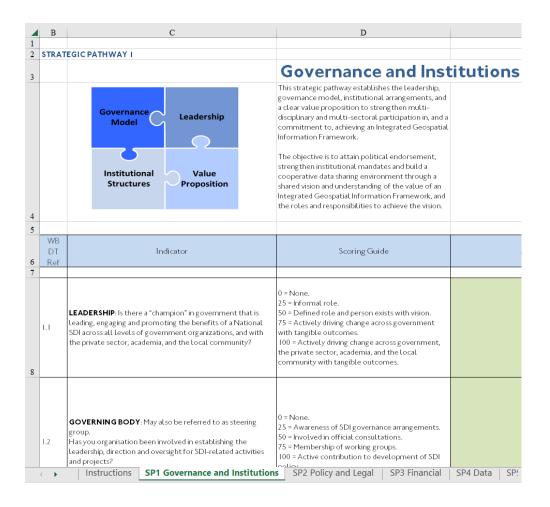




What did we want to achieve?

- > Improve MSDI awareness
- > Engage with people
- > Data upskilling
- > A collective assessment
- Avoiding blind spots
- > To share our experience

ADMIRALTY





Our Approach to the Assessment

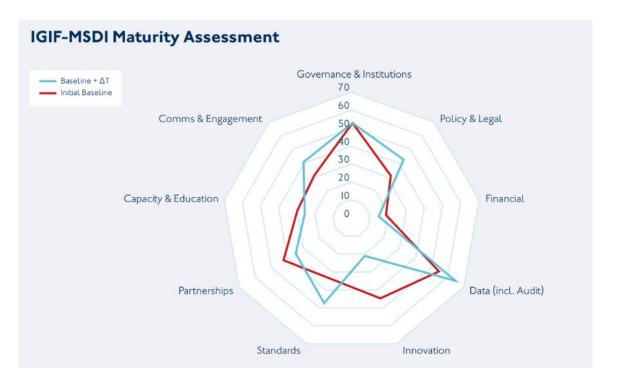
- > Rolling Communications
- > Stakeholder identification
- Added UKHO context to the assessment questions
- > Approx I hour per SP
- Split into smaller groups within each workshop
- > Shared results and written feedback





Analysing the results

- > Quantitative aggregating the scores
- > Qualitive analysis of written and verbal input



Q2: Are there effective instruments in the policy and legal framework to ensure that geospatial data sharing is encouraged, promoted and fully enabled?





Next steps

- > Complete analysis
- > Communicate the results
- > Prioritise alongside the UKHO Corporate Plan and Transformation Programme
- > Ownership of actions and engagement
- > Supporting the development of S-100



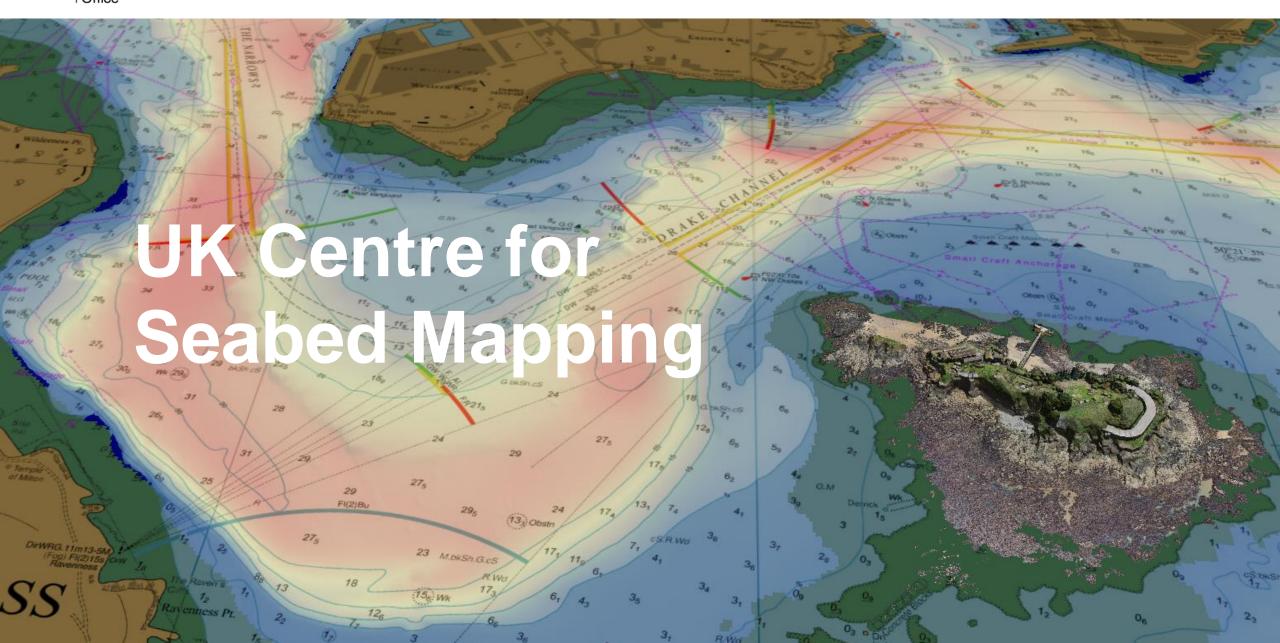
Where to find out more?

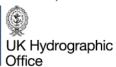
Details regarding the IGIF-(M)SDI Maturity Roadmap

Can be found here: https://www.ogc.org/igif-msdi-maturity-roadmap





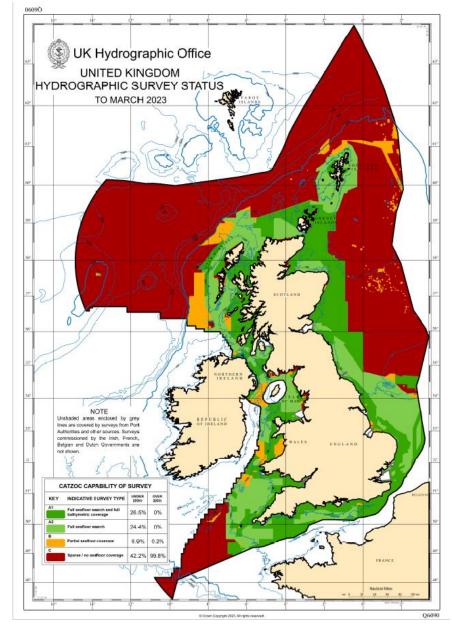




UK CSM - The Issue

- The UK Government seabed mapping community is large (30+ organisations) & across numerous departments.
- No central coordination
- Only 26.5% of the UK EEZ (British Isles) mapped to modern standards (about 1.5% per year).
- Less than 2% of the UK EEZ (Global OTs and CDs) mapped to modern standards.
- No combined voice to reinforce the importance of marine geospatial data.



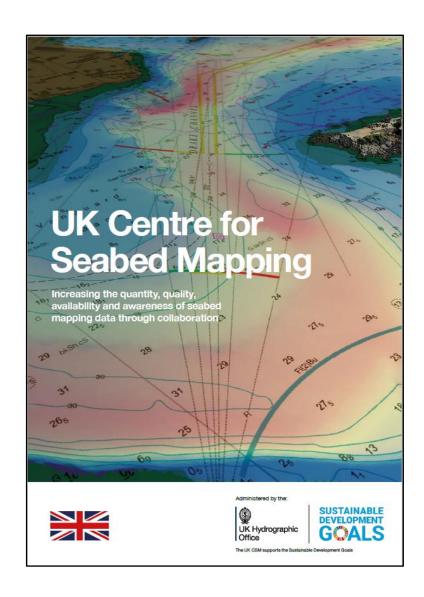






UK Centre for Seabed Mapping created...

- Quality marine geospatial information is essential for almost every activity undertaken in the marine domain.
- These activities include maritime trade, informing sustainable environmental and resource management, and supporting national security and infrastructure.
- **Vision & Mission:** to support a more integrated Marine Geospatial Sector for the UK, both nationally and internationally; increase the coverage, quality and access of seabed mapping data, as well as better promote it as a critical component of national infrastructure.





UK Centre for Seabed Mapping

UK CSM Priorities

- Four priorities that the UK CSM seeks to address:
 - Collaboration



• Data Standards

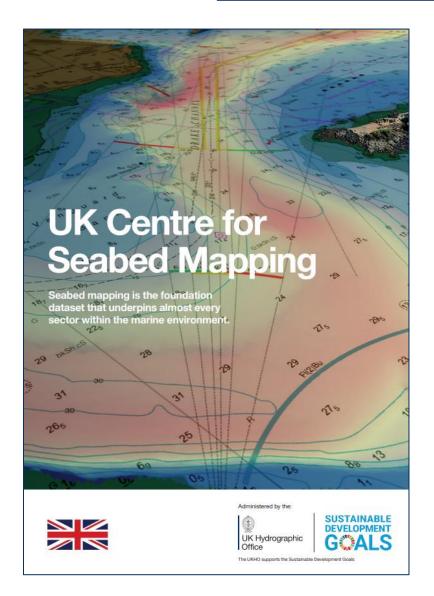


Data Accessibility



• Data Collection









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NETHER LANDS

Amsterdam

Brussels BELGIUM

UK CSM Planning Information Portal

Edinburgh

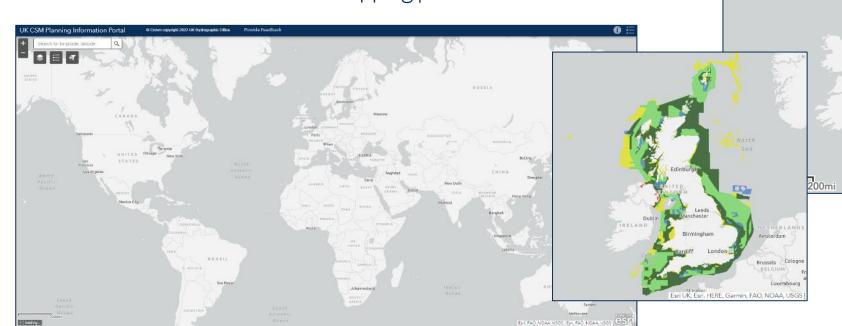
Birmingham

London

Search for longitude, latitude

UK CSM - Initial Operating Capacity

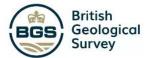
- **Planning Information Portal** all organisations able to share their forward plans for activity, anywhere in the world:
 - UK CSM Planning Information Portal (arcgis.com)
- Website able to share details with members:
 - <u>UK Centre For Seabed Mapping | ADMIRALTY</u>









































































The Future...

- Once UK CSM has significant traction across Government, it is hoped to expand collaboration with:
 - Academia
 - Ports
 - Offshore energy sector
 - Private sector
- This is hoped to begin in early 2024.

