

Your gateway to marine data in Europe

Data Management in Offshore Licensing Procedures UK Case Study: Renewables

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Outline

- Licencing for aquaculture and renewables in the UK
- The Crown Estate (TCE), Crown Estate Scotland and Marine Data Exchange (MDE)
- Overview of TCE Marine Data Exchange (MDE)
- Links with UK Marine Environmental Data and Information Network (MEDIN)
- Links with EMODnet Data Ingestion



Maritime & Coastguard Agency (MCA)

Aquaculture licencing

England:	Scotland:
Marine Management Organisation (MMO)	Marine Scotland Licensing Operations Team (MS-
Fish Health Inspectorate	LOT)
Landowners including The Crown Estate (TCE)	Scottish Environment Protection Agency (SEPA)
	Marine Scotland's Fish Health Inspectorate (FHI)
	Crown Estate Scotland
Northern Ireland:	Wales:
DAERA Marine and Fisheries	Natural Resources Wales (NRW)
	Fish Health Inspectorate (FHI) – as for England
	The Crown Estate (TCE), Swangrove Estate (SE)
	and Port Authorities
All UK:	



Renewables licencing

England, Wales and Northern Ireland:

The Crown Estate (TCE)

in collaboration with, for example:

Department for Energy Security and Net Zero

Marine Management Organisation

Welsh Government

Department for the Economy (Northern Ireland)

Scotland:

Crown Estate Scotland

Scottish Government



Background



The Crown Estate (TCE):



- Independent commercial business, created by Act of Parliament
- Role: to ensure that the land and property invested in and managed are sustainably worked, developed and enjoyed to deliver the best value over the long term
- Owns the sea bed around England, Wales and Northern Ireland (<12nm limit)
- Leases sites for renewable energy, cables & pipelines and marine aggregates within EEZ (200nm)
- Collects and retains data and information to support decision making, enhance development opportunities and cost effectiveness of future development
- To instill data management best practice with those developing our offshore environment.

Crown Estate Scotland:

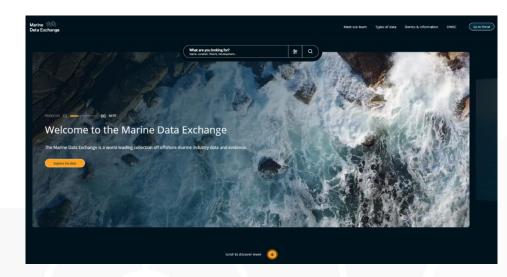


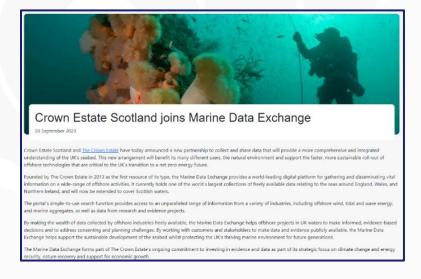
- Self-financing public corporation of the Scottish Government
- Separated from The Crown Estate of the UK under the Scotland Act 2016. It was formed to take responsibility for Scotland.



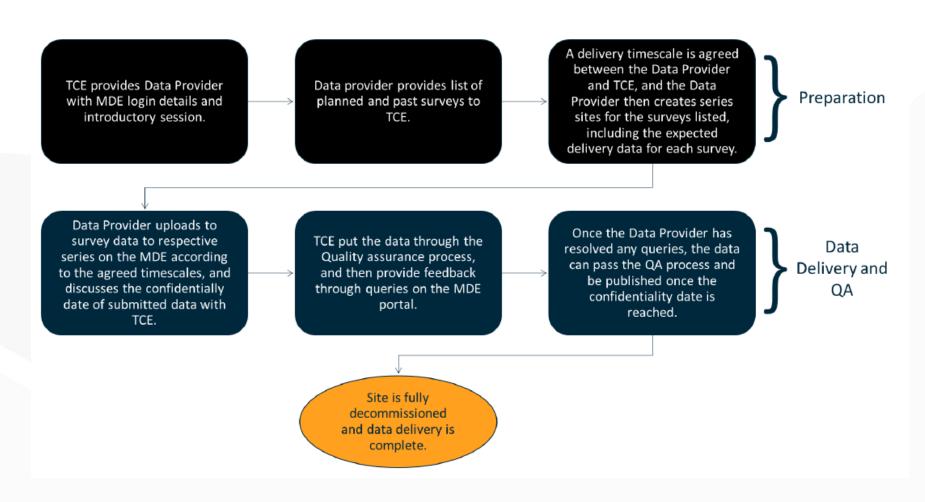
Marine Data Exchange (MDE)

- Established by TCE in 2013
- World-leading collection of offshore marine industry data, research and evidence
- Data made freely available through cutting-edge technology
- Promotes sharing of survey data collected throughout the lifetime of offshore projects
- Supports sustainable development and UK's Net Zero and biodiversity targets
- Data from renewables projects in Scottish waters collected prior to 2017 are included (and now using MDE again).



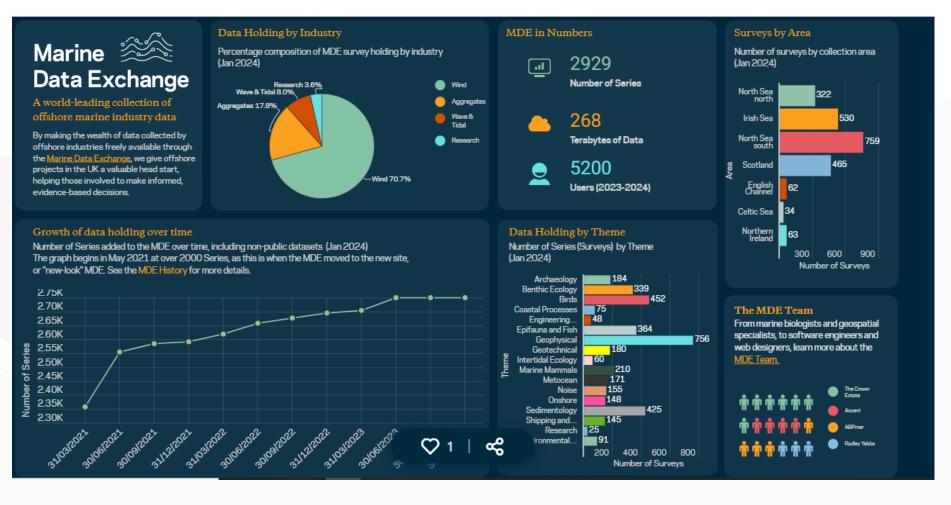






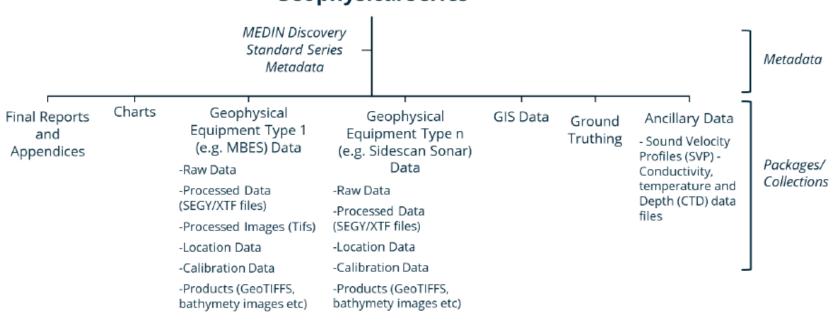


Marine Data Exchange in numbers

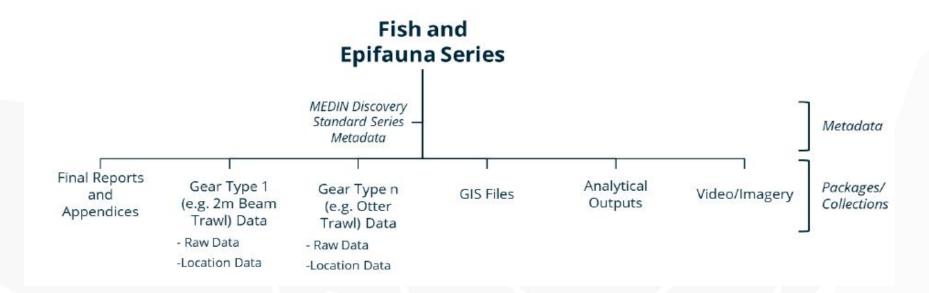




Geophysical Series

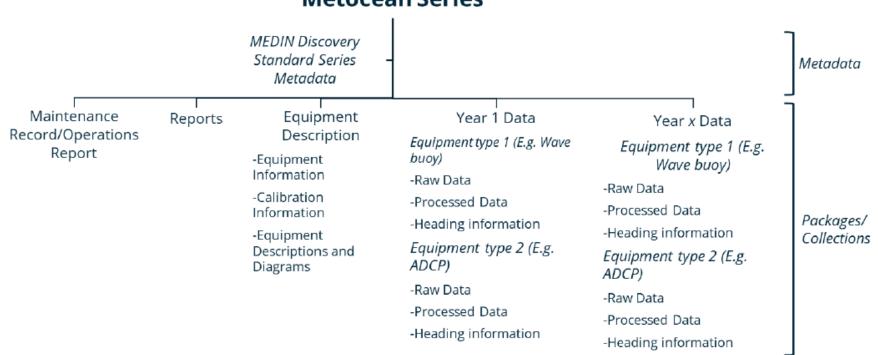








Metocean Series





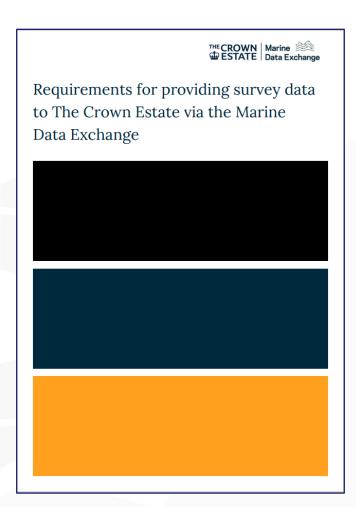
MDE requirements

Clear requirements (including adoption of robust standards) are essential for optimum storage, management and dissemination

MDE record hierarchy:

- Series group of datasets/reports collected for a survey or campaign (described by a single metadata record)
- Packages associated data, reports, information related to a single parameter, instrument or method

Alignment with MEDIN...





The UK MEDIN network





The UK MEDIN network



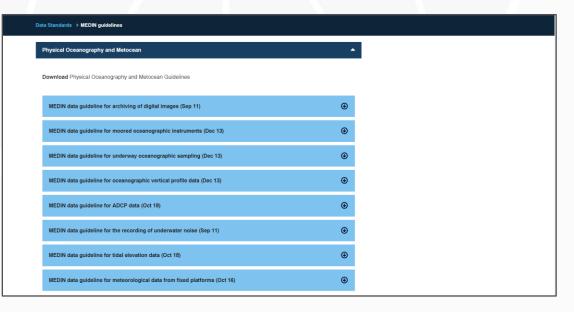




Aligning with MEDIN

- The Crown Estate requires MEDIN Discovery Standard metadata to be delivered for all Series
- Adoption of relevant MEDIN data guidelines to ensure data are re-usable in the future (also used by TCE as part of their quality acceptance checks)
- Use of controlled vocabularies.

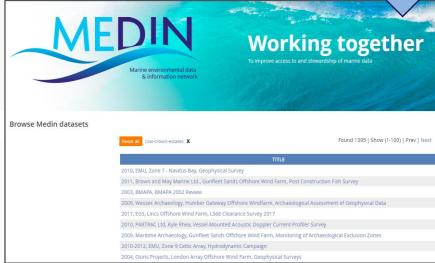






Linking with MEDIN data portal

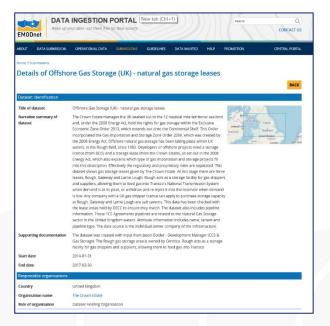






Improving Data Discovery at the European level

Linking with EMODnet Data Ingestion Portal



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SEADATANET COMMON DATA

LAYER CONTROL 0

☐ CDI entry Points

0 0

INDEX (CDI) V3



PAN-EUROPEAN INFRASTRUCTURE FOR

OCEAN & MARINE DATA MANAGEMENT

(where appropriate)

