

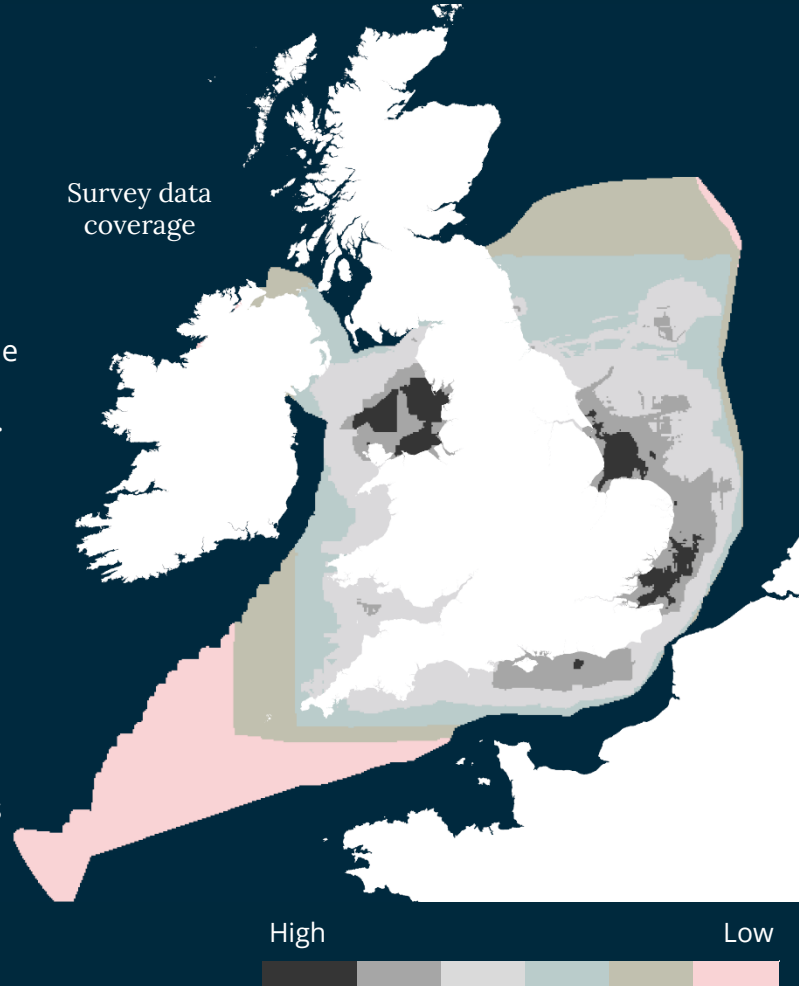
Marine Data Exchange

The UK seabed holds some of the richest resources in the world, underpinning the UK's position as a global leader in offshore wind. The Crown Estate is uniquely placed to look at the bigger picture across a breadth of offshore sectors. The Marine Data Exchange (MDE) is one tool used to address key consenting and planning challenges through better data sharing and encouraging evidence-based decisions.

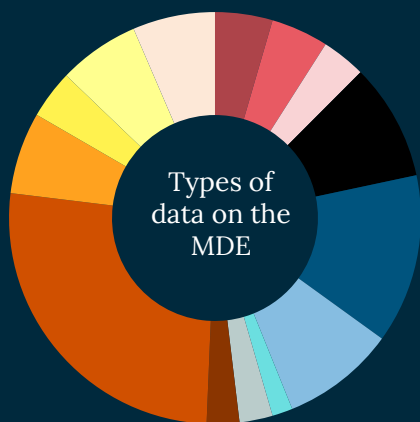
1914 - 2021 | 2,349 | 200 | 62%
date range | surveys | TB | publicly available

Developed in 2013 as the first of its kind, the MDE manages offshore survey data collected throughout the lifetime of offshore wind farms, from feasibility studies through to decommissioning or repower. The Crown Estate work closely with offshore developers and operators to ensure that survey data held on the MDE meets the MEDIN Data standards and can be shared with the public as soon as it is reasonable to do so.

www.marinedataexchange.co.uk



- Archaeology
- Noise
- Shipping and Navigation
- Benthic Ecology
- Birds
- Fish and Epifauna
- Intertidal Ecology
- Marine Mammals
- Coastal Processes
- Geophysical
- Geotechnical
- Meteorology
- Metocean
- Sedimentology



The challenge

The MDE strives to make it simple for offshore industries to share survey data. Over the years The Crown Estate have worked with our customers to achieve the right balance between data requirements and standards, and the ease of data delivery. This balance will change as offshore industries evolve.

All data held on the MDE meets the MEDIN Data Guideline standards and is defined by the MEDIN Metadata Discovery Standard; ensuring the discoverability and reusability of the data. However, there are currently no requirements to the format that the data is delivered in and so the MDE holds a variety of data types, collected and stored in slightly different ways.

Can you help to shape the future of the MDE?

If you'd be interested in joining us on the journey to redevelop the MDE, to carry out some testing occasionally and to provide feedback when you can, please get in touch.

mde@thecrownestate.co.uk

The approach

We know that the MDE is a valuable resource in enabling access to vast amounts of industry data that can play a key role in the ongoing sustainable development of the seabed.

To drive data-driven and evidence-based decisions that utilise the variety of data collected at great expense by offshore developers, we have embarked on an exciting journey to make the data held on the MDE more discoverable and accessible. Over the next three years, we will work with our customers and users to:

- Streamline the delivery of survey data to the MDE by automating where possible
- Develop dashboards and tools to draw meaningful insight out of the data holding
- Improve the interface of the public website to enable a wide variety of users to discover, engage and access the wealth of publicly available industry data
- Explore how we can standardise the data by working with data partners
- Expose additional information and data previews prior to download
- Engage with new audiences and MDE users through augmented and virtual reality

