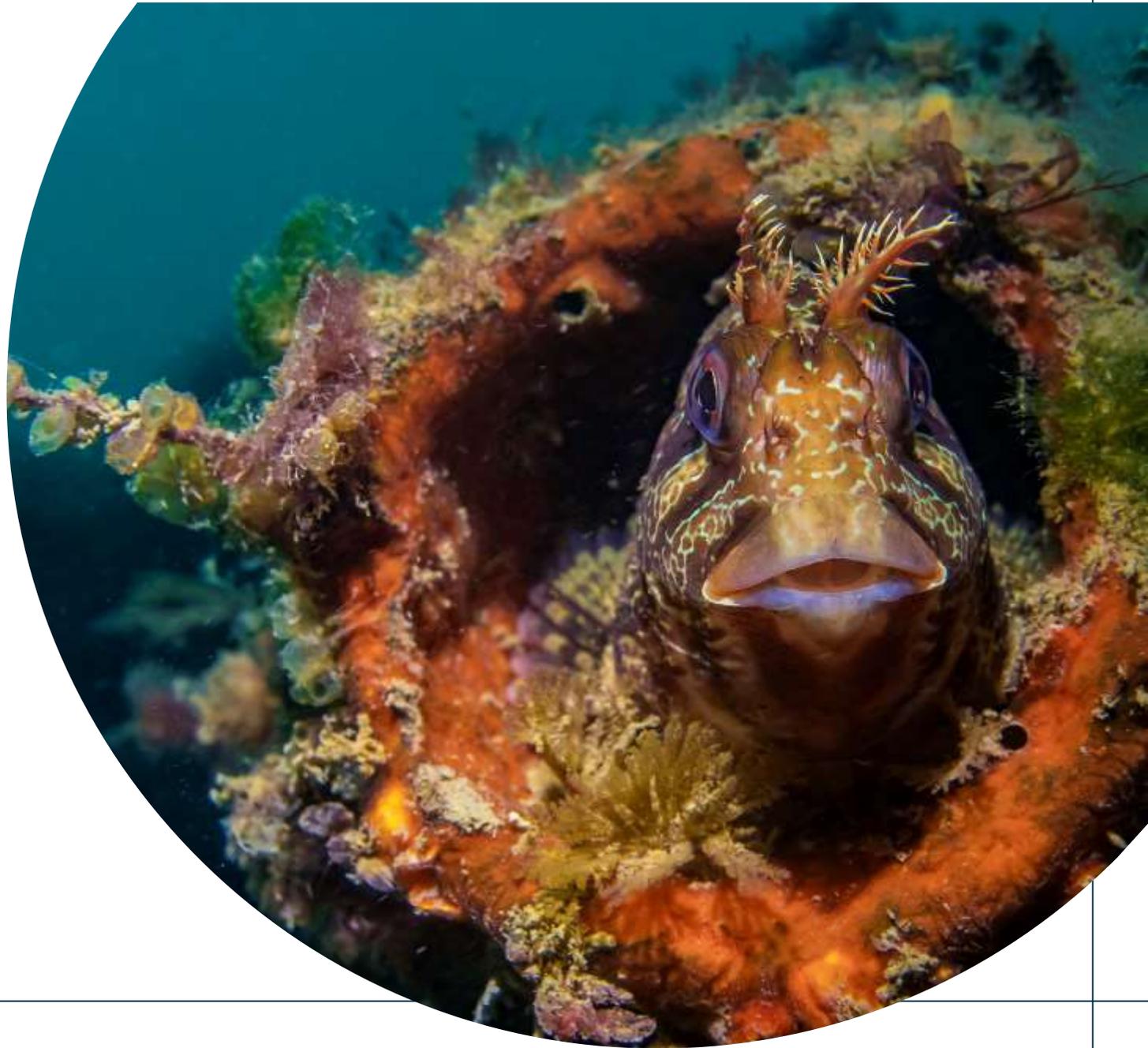


# FAIR Industry Data

John Mitchell, Marine Data Advisor

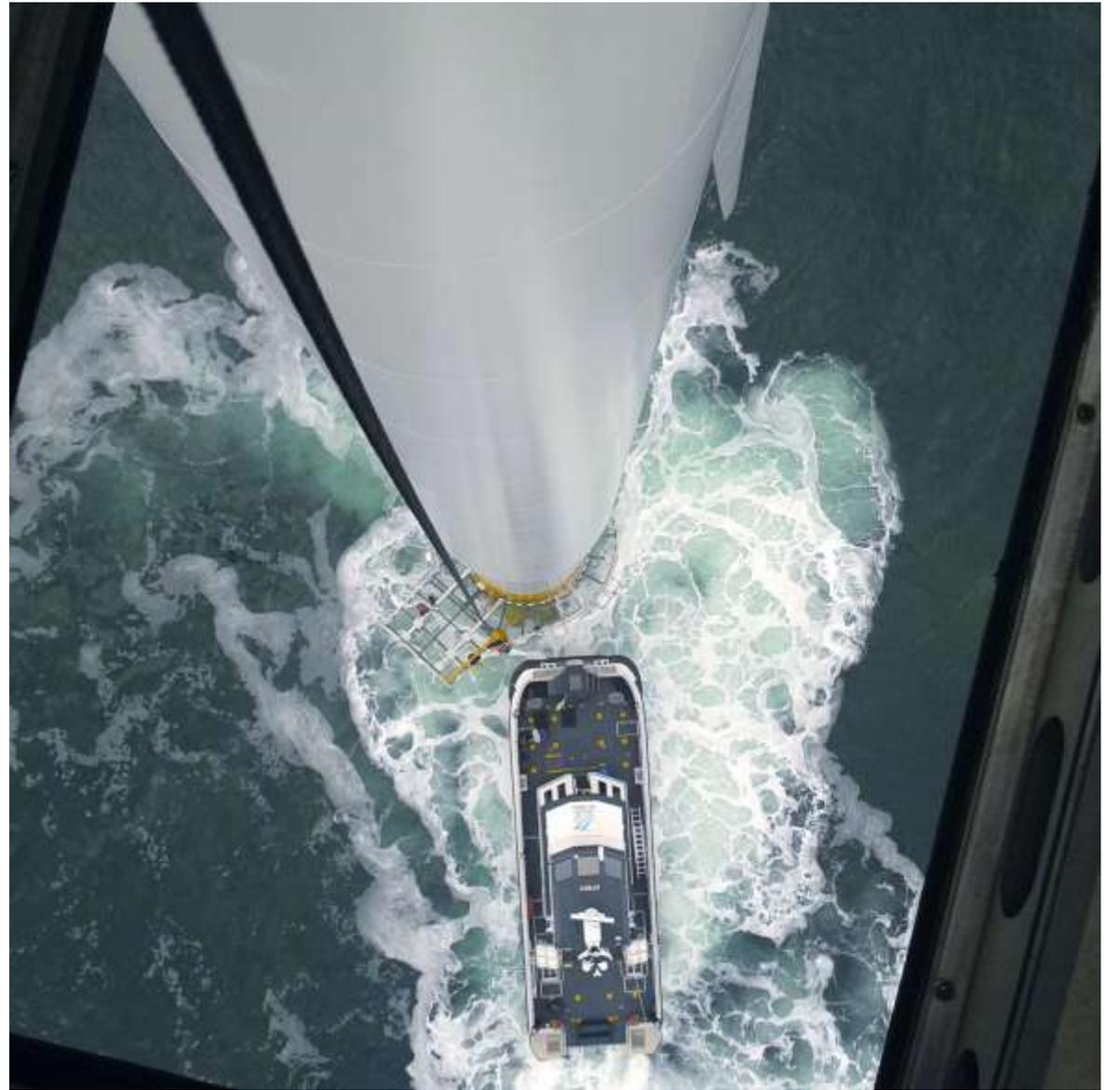


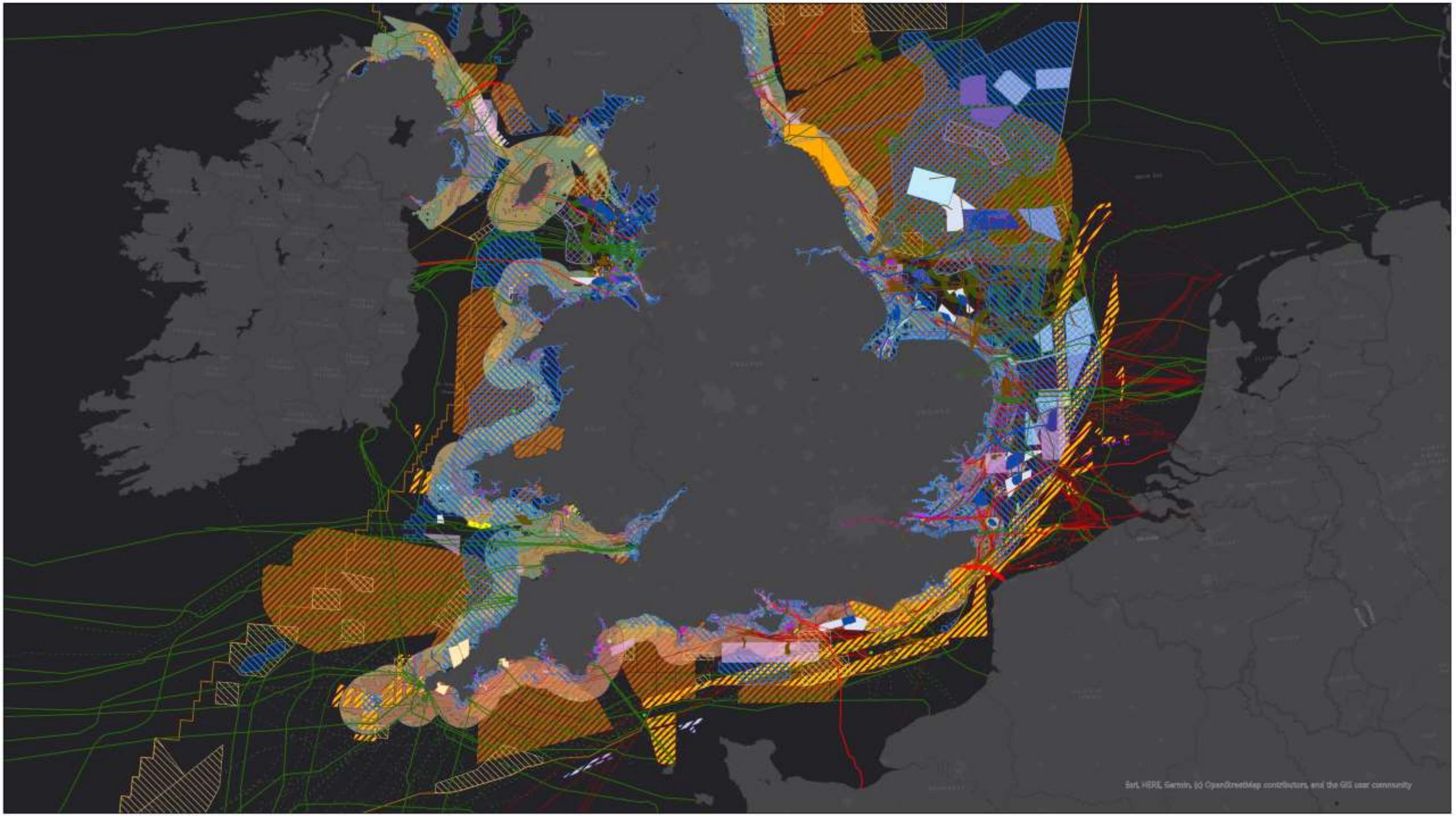
- The journey of offshore wind and The Crown Estate's Data Clause
- The Marine Data Exchange
- A FAIR future
- Data requirements and confidentiality management
- What we've done, and where are we going?



The Crown Estate

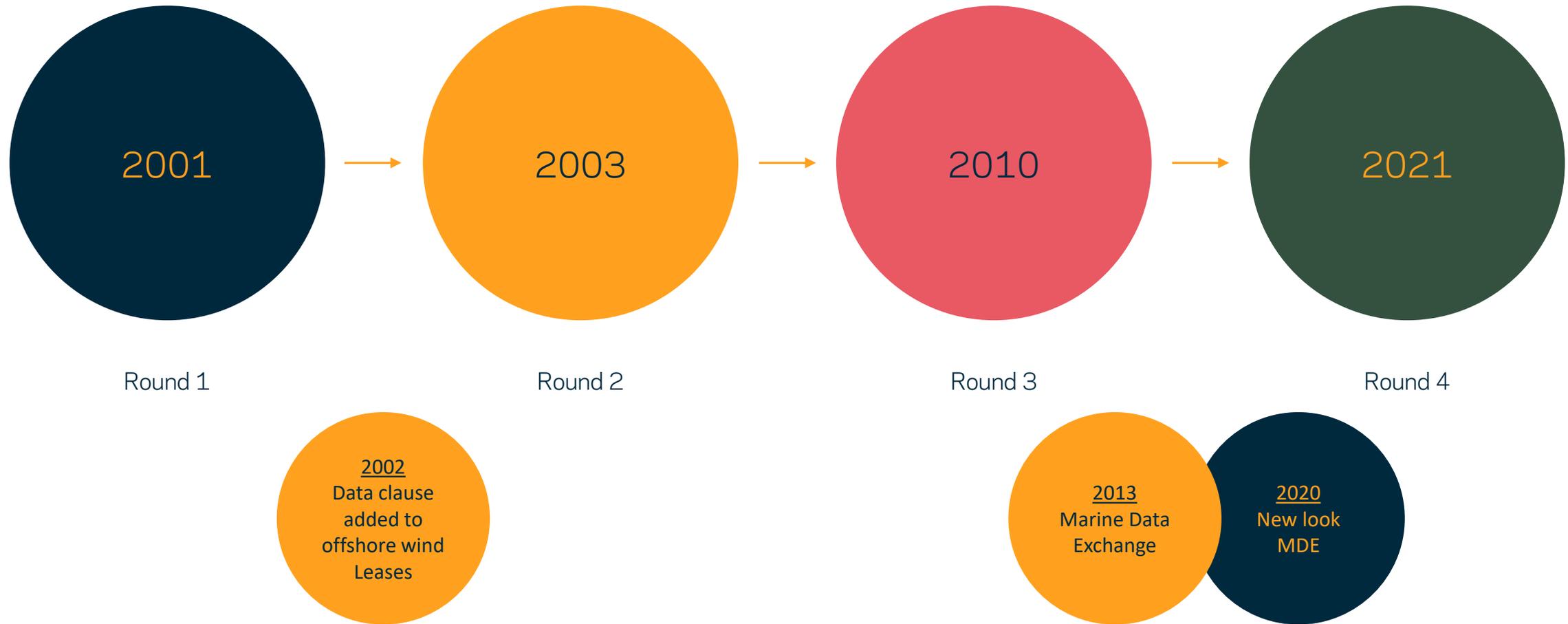
To create lasting and shared  
prosperity for the nation





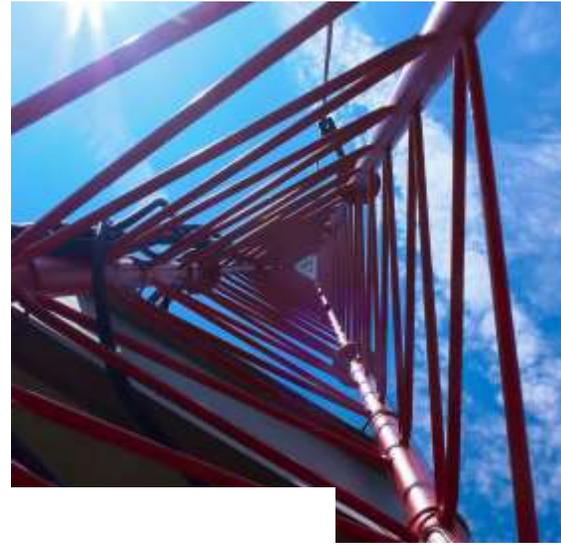


# Offshore Wind Journey and TCE Data Clause



# The first of its kind and the world's largest database of marine industry survey data, research and evidence.

The MDE contains over 200 terabytes of survey data collected throughout the lifecycle of offshore projects in England, Wales and Northern Ireland, as well as new research that addresses evidence gaps. By making this wealth of data freely available through cutting-edge technology, The Crown Estate aims to give offshore projects in the UK a valuable head start, helping those involved to make informed, evidence-based decisions which support the sustainable development of the UK's seabed and the safeguarding of the marine environment.



# Data Themes





# All phases of the lifecycle



# Marine Data Exchange

THE CROWN  
ESTATE



# FAIR Industry Data



Lesson Learnt:

Work with industry to develop  
and promote FAIR data.

# Existing UK standards - MEDIN

- Discovery Standard Metadata
- Discoverable through the MEDIN Portal
- EMODnet ingestion
- Quality Assurance - Data Guidelines



Flexible yet consistent;  
adapting with the industry .

# Confidentiality Review Points

Environmental  
Consent Decision

Site  
Investigation  
Financial Investment  
Decision (FID)

Wind Resource  
2 years since the date of  
collection or FID

# Where we are going

Welcome to Marine Data Exchange

This website provides access to survey data and reports collected by our offshore renewable and marine aggregates customers.

Search any data [Search]

Scroll down to discover [Down Arrow]

Tidal >

- 1994-2014, DE4, Rampton Offshore Wind Farm, MetOcean and Meteorological Mast Study  
Pre-construction | 5 Datasets | 1 Reports | English Channel
- 2012-2013, Gardline, Zone 9 - Rampton, Geophysical Investigations  
Pre-construction | 21 Datasets | 1 Reports | English Channel
- 2004-05, Brown and May Marine Ltd., Lynn and Inner Dowling, Pre-construction Fish Surveys  
Pre-construction | 2 Datasets | 0 Reports | North Sea north
- 2014, Aspect Land and Hydrographic Survey, Robin Rigg Offshore Wind Farm, Multibeam Bathymetric and Silescan Sonar Survey  
Pre-construction | 3 Datasets | 4 Reports | Scotland
- 2012, 605, Lynn and Inner Dowling Offshore Wind Farms, Survey of Communities within Jack-Up Footprints  
Pre-construction | 3 Datasets | 0 Reports | North Sea north

Your search results

Search any data [Search]

1 - 18 of 800 results

Filters: Collection Dates, Industry, Theme, Development, Round, Area

- Geospatial**  
1994-2014, DE4, Rampton Offshore Wind Farm, MetOcean and Meteorological Mast Study  
Pre-construction | 5 Datasets | 1 Reports | English Channel
- Geospatial**  
2012-2013, Gardline, Zone 9 - Rampton, Geophysical Investigations  
Pre-construction | 21 Datasets | 1 Reports | English Channel
- Offshore and On**  
2004-05, Brown and May Marine Ltd., Lynn and Inner Dowling, Pre-construction Fish Surveys  
Pre-construction | 2 Datasets | 0 Reports | North Sea north
- Geospatial**  
2014, Aspect Land and Hydrographic Survey, Robin Rigg Offshore Wind Farm, Multibeam Bathymetric and Silescan Sonar Survey  
Pre-construction | 3 Datasets | 4 Reports | Scotland
- Shipping and On**  
2012, 605, Lynn and Inner Dowling Offshore Wind Farms, Survey of Communities within Jack-Up Footprints  
Pre-construction | 3 Datasets | 0 Reports | Scotland
- Offshore and On**  
2012, Aspect, Lynn and Inner Dowling Navigation Risk Assessment  
Pre-construction | 0 Datasets | 1 Reports | Scotland
- Offshore and On**  
2012, 605, Lynn and Inner Dowling Offshore Wind Farms, Survey of Benthic Communities within Jack-Up Footprints  
Pre-construction | 3 Datasets | 2 Reports | North Sea north
- Offshore and On**  
2012, 605, Lynn and Inner Dowling Offshore Wind Farms, Survey of Benthic Communities within Jack-Up Footprints  
Pre-construction | 3 Datasets | 2 Reports | North Sea north
- Offshore and On**  
2012, 605, Lynn and Inner Dowling Offshore Wind Farms, Survey of Benthic Communities within Jack-Up Footprints  
Pre-construction | 3 Datasets | 2 Reports | North Sea north



### Data Highlights and Preview

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Plume detection from satellite optical imagery



Plume detection from satellite optical imagery



Plume detection from satellite optical imagery

See more data

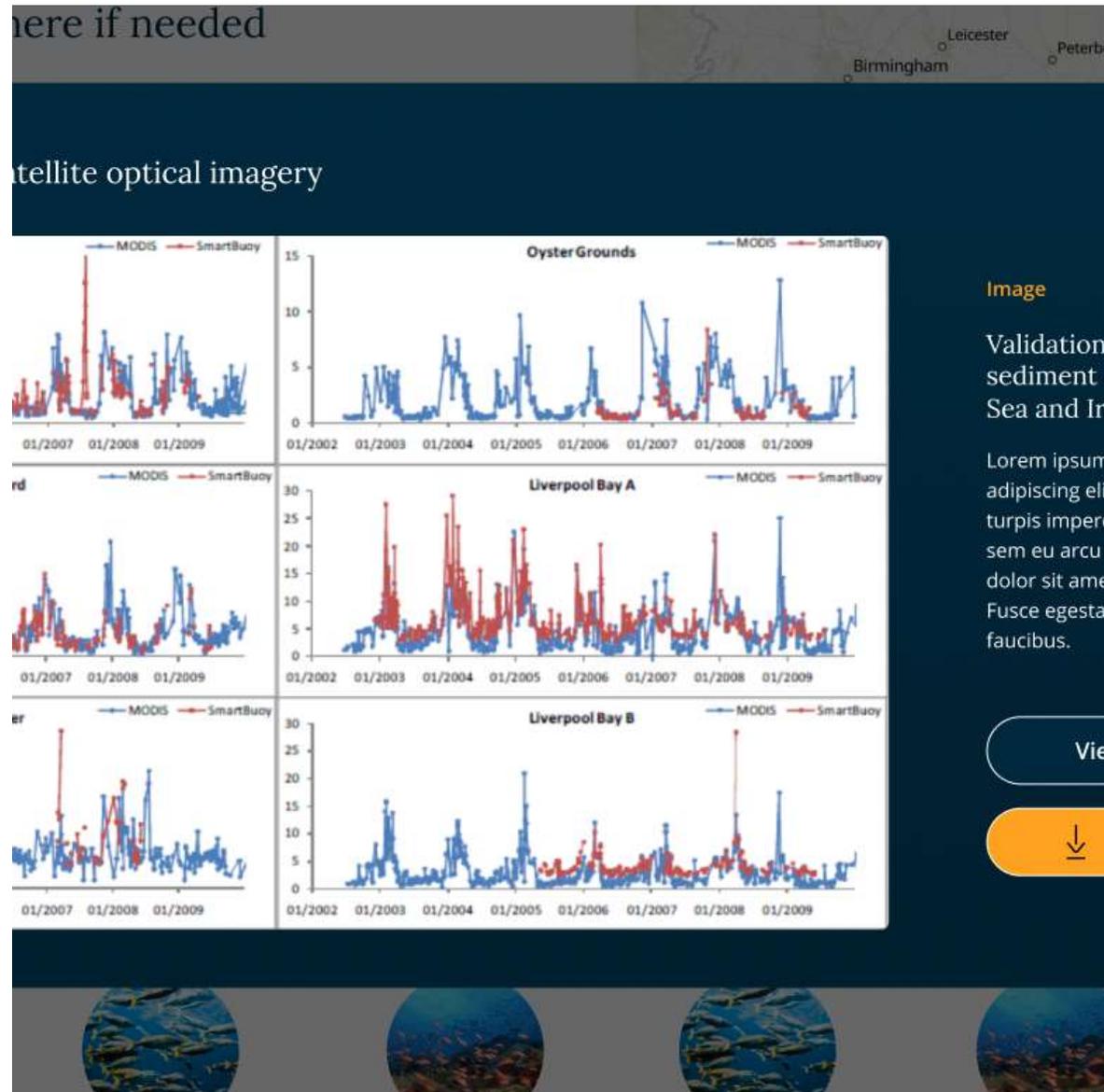
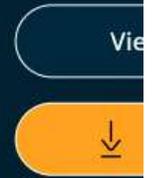


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# So how **FAIR** is the industry data on the MDE.

## Findable

The new MDE website, and the continued use of MEDIN Discovery Metadata mean that industry data on the MDE can be found via two sites. Plans are in place to begin to feed the data in EMODnet, and further improve search functionality.

## Accessible

The new MDE website offers improved accessibility, and some datasets are being ingested into EMODnet. In the short term, development of the key resources and data highlights functionality will make data even more accessible for a diverse range of users.

## Interoperable

Industry data on the MDE is in different formats and fragmentary in its nature. However, steps are being made to improve this, with work being done to start to standardise geotechnical data, while data cracking tools are giving us the ability to extract data and store it in more user-friendly formats.

## Reusable

The MDE implements the MEDIN data standards to ensure all data uploaded is as reusable as possible. Improving industry attitudes to providing data to the MDE has also aided the acquisition of historical data.

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