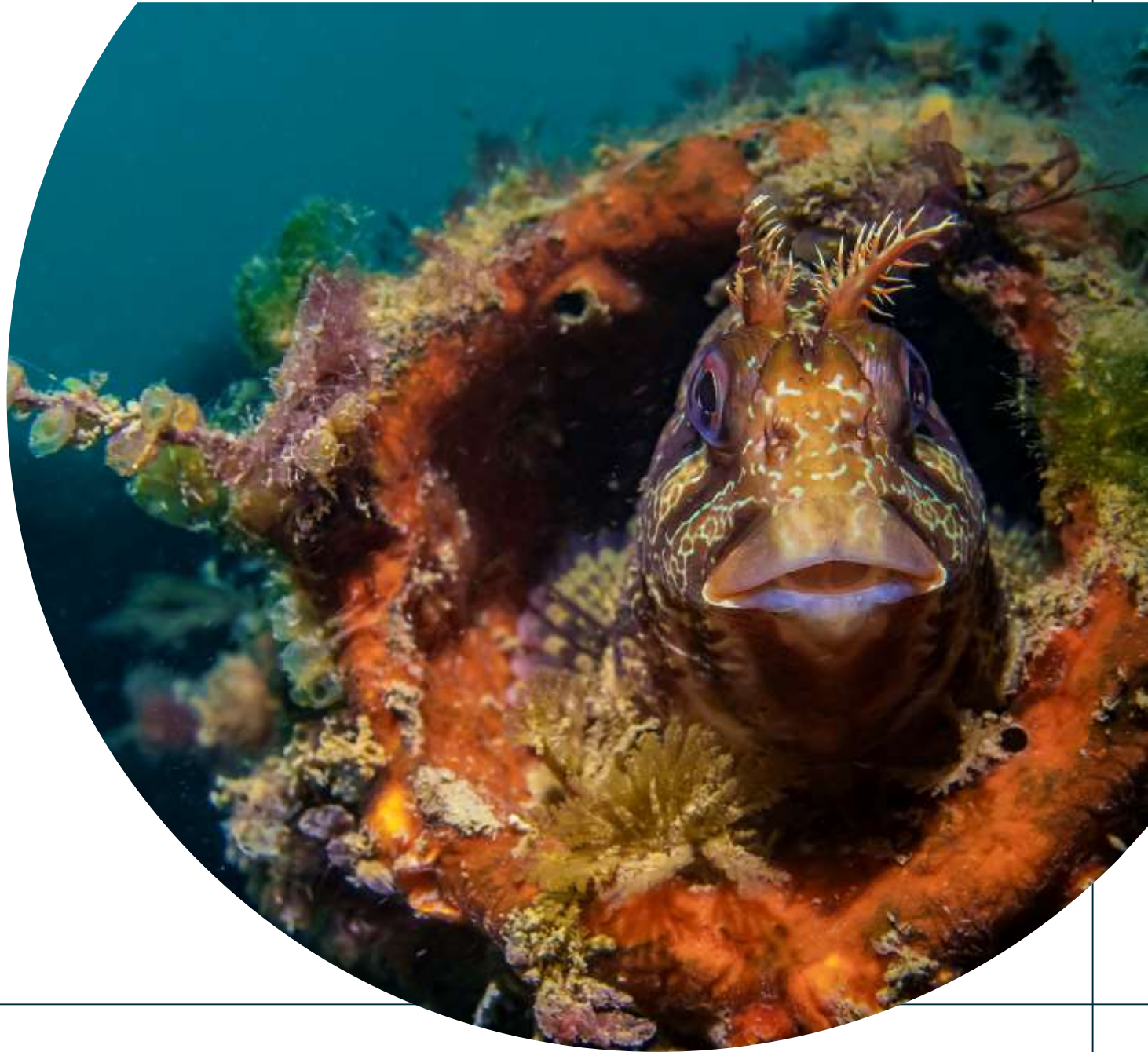


# FAIR Industry Data

John Mitchell, Marine Data Advisor

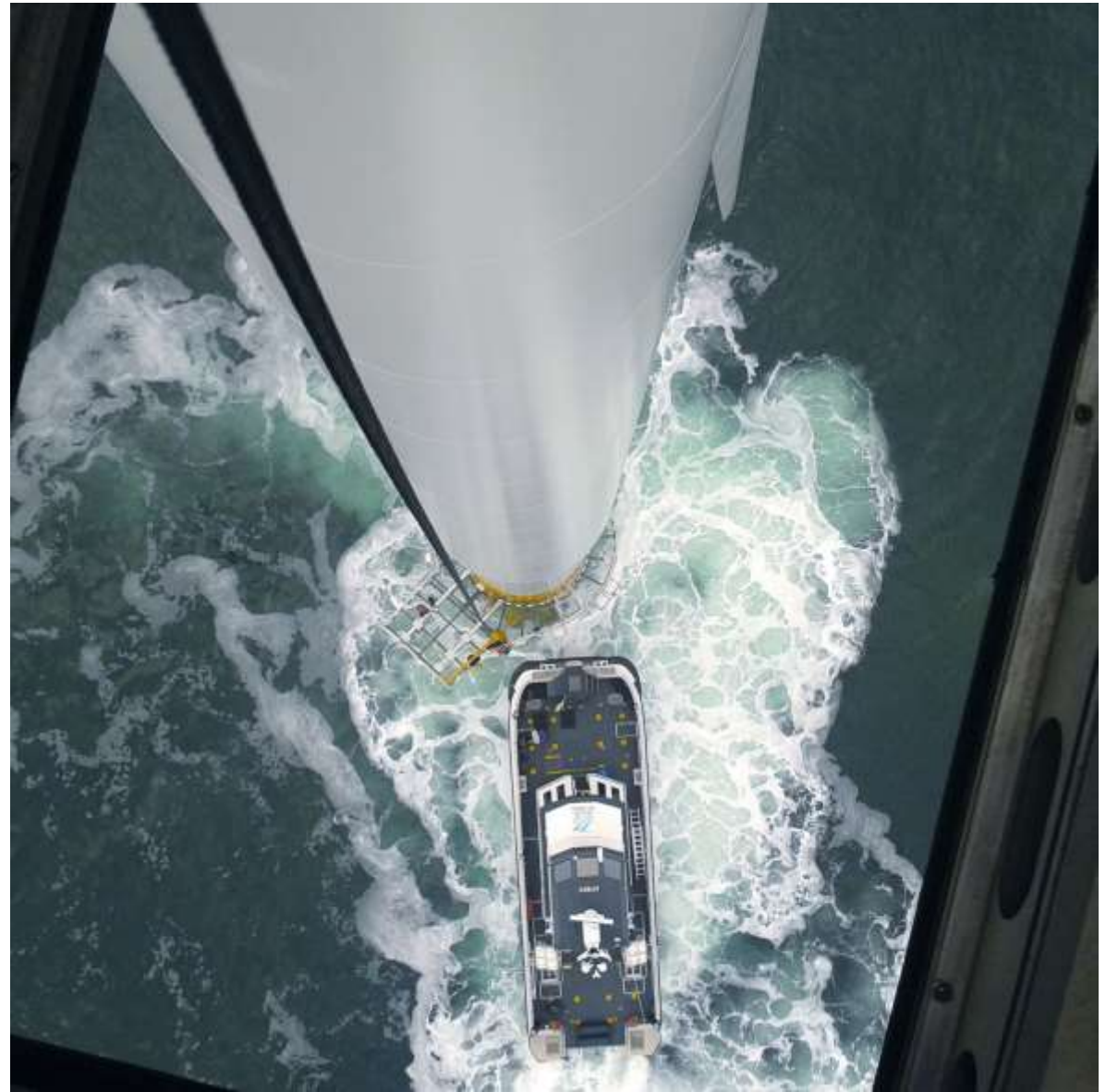


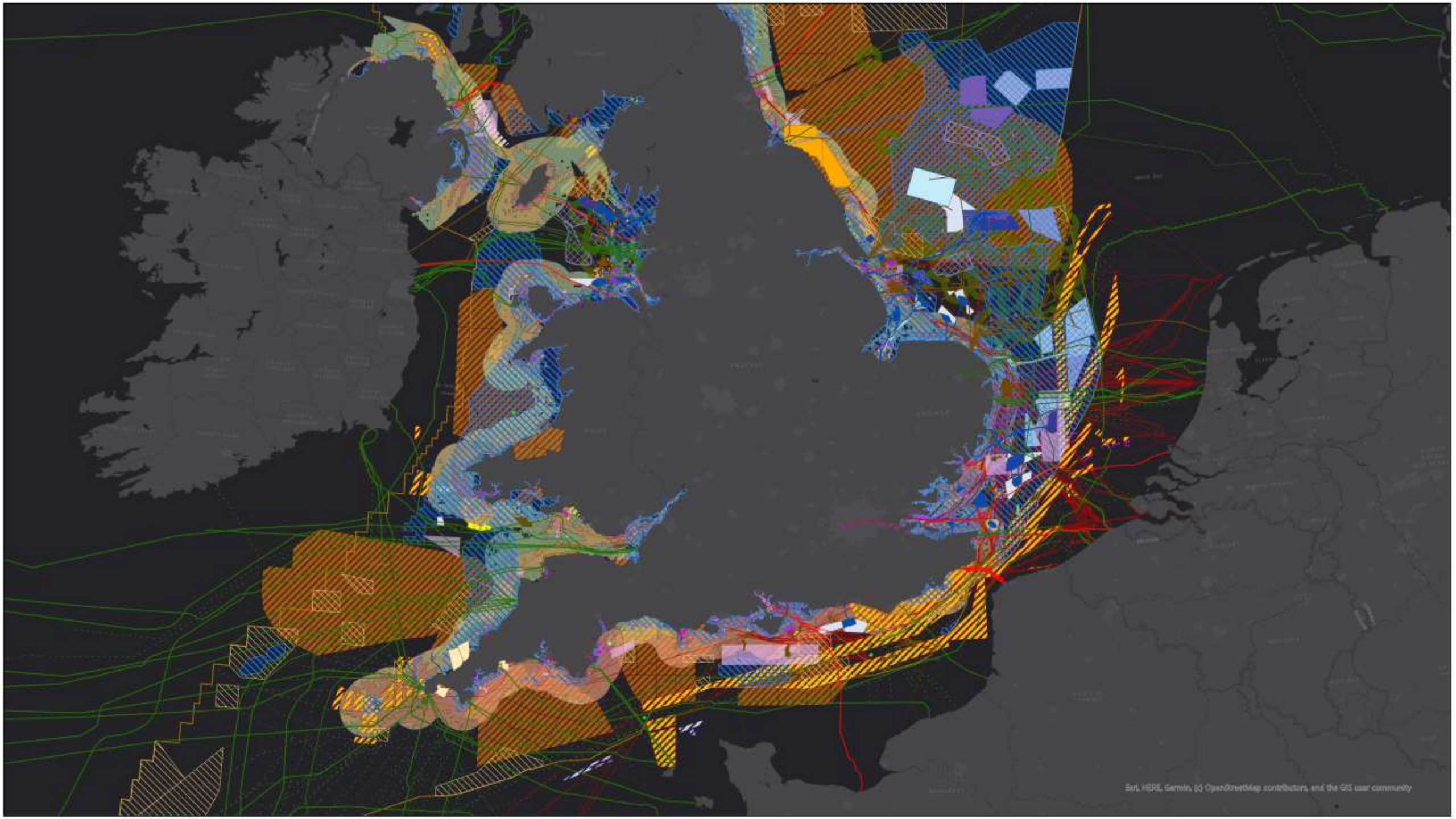
- The journey of offshore wind and The Crown Estate's Data Clause
- The Marine Data Exchange
- A FAIR future
- Data requirements and confidentiality management
- What we've done, and where are we going?

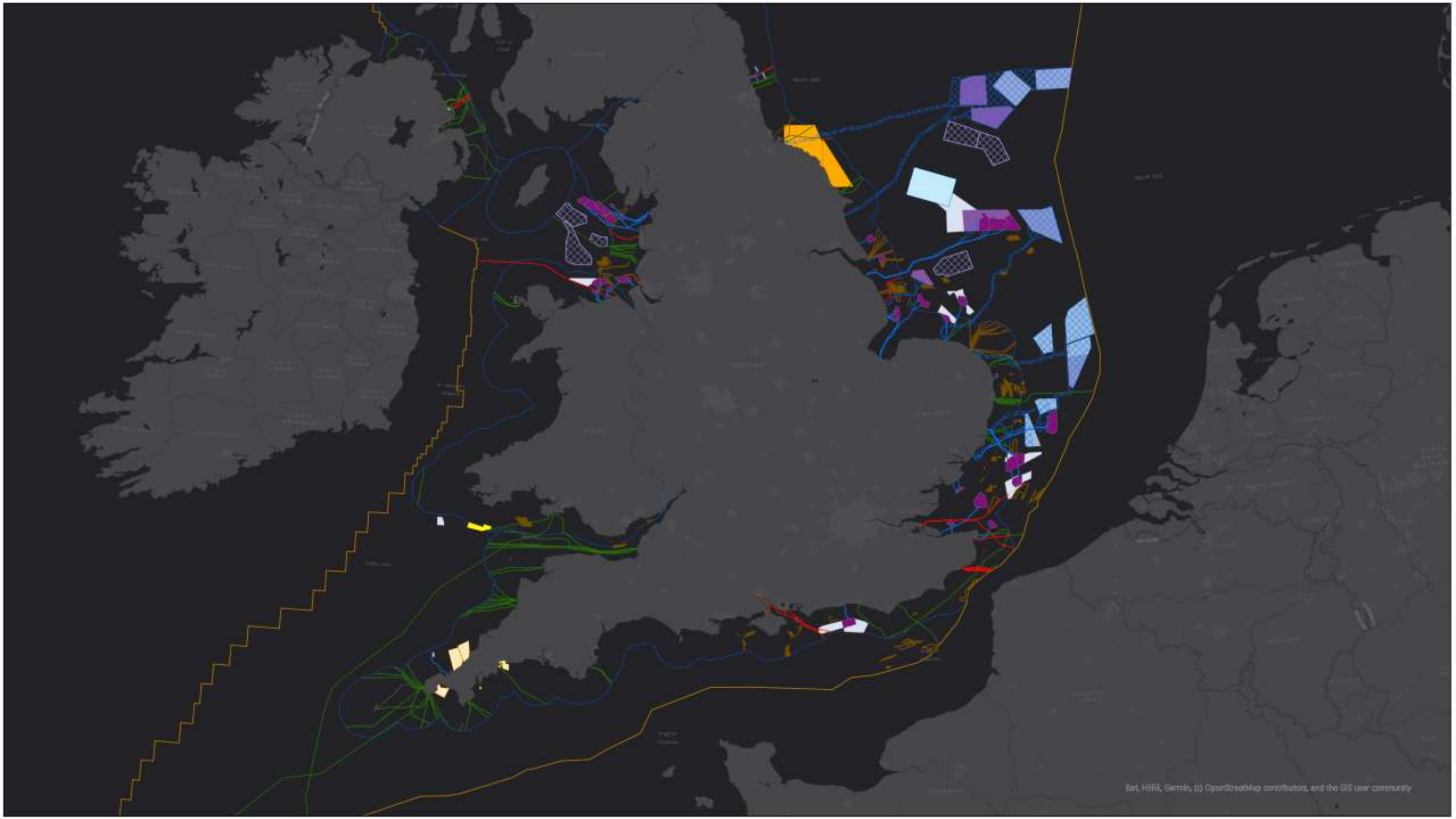


The Crown Estate

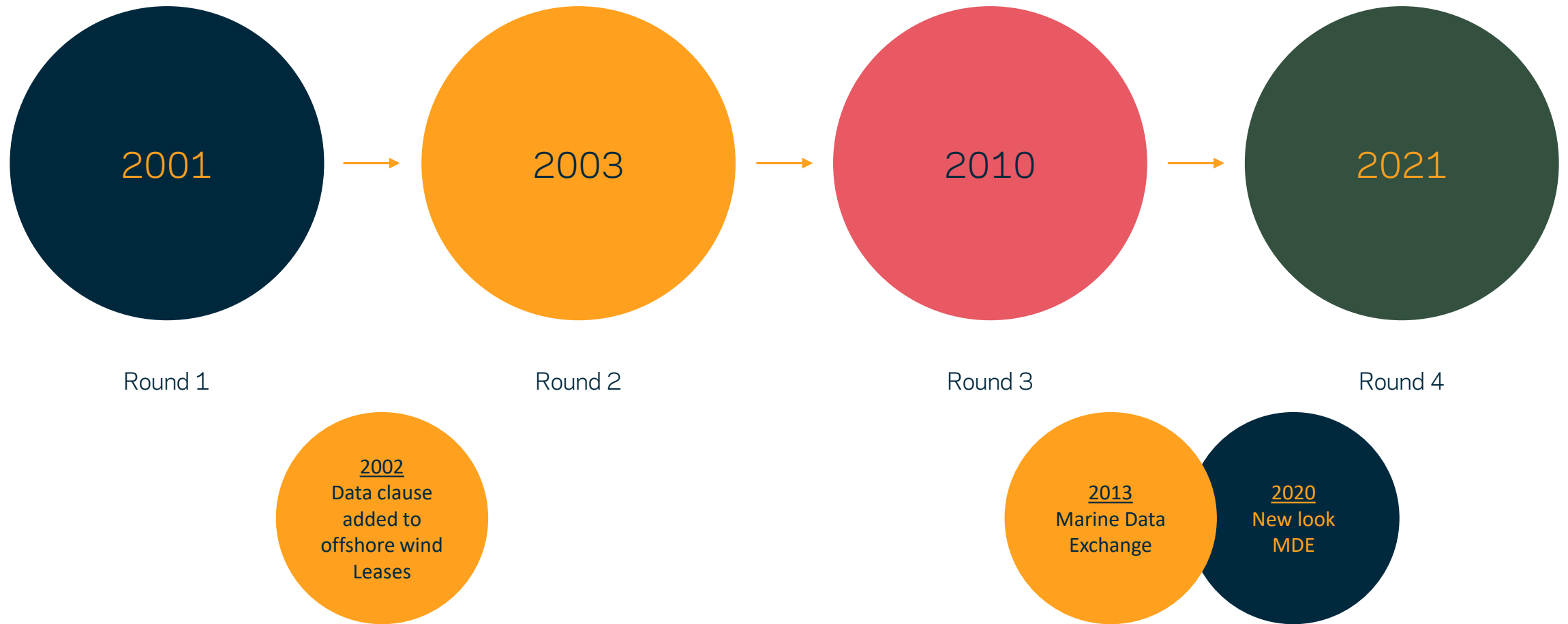
To create lasting and shared  
prosperity for the nation







# 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 

1994-2014, DEK, Rampton Offshore Wind Farm, MetOcean and Meteorological Mast Study

2012-2013, Gardline, Zone 9 - Rampton, Geophysical Investigations

2004-05, Brown and May Marine Ltd., Lynn and Inner Dowling, Pre-construction Fish Surveys

2014, Aspect Land and Hydrographic Survey, Robin Rigg Offshore Wind Farm, Multibeam Bathymetric and Silescan Sensor Survey

2012, EOC, Lynn and Inner Dowling Offshore Wind Farms, Survey of Communities within Jack-Up Footprints

Tidal >

Shipping and Ice

Coast

Coastline


Coastal Processes

Shipping and Ice

### Your search results

Search any data  Search

1 - 18 of 800 results

Layers  Sort by **Relevance**

#### Filters

Collection Dates +

Industry +

Theme +

Development +

Sound +

Area +

**Cleaning** **Vertical**

1994-2014, DEK, Rampton Offshore Wind Farm, MetOcean and Meteorological Mast Study

Pre-construction 5 Datasets 1 Reports

English Channel

**Geophysical**

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

**Coastline**

2014, Aspect Land and Hydrographic Survey, Robin Rigg Offshore Wind Farm, Multibeam Bathymetric and Silescan Sensor Survey

Post-construction 3 Datasets 4 Reports

Scotland

**Shipping and Ice**

2012, EOC, Lynn and Inner Dowling Offshore Wind Farms, Survey of Communities within Jack-Up Footprints

Pre-construction 0 Datasets 1 Reports

Scotland

**Beach Erosion**

2012, EOC, Lynn and Inner Dowling Offshore Wind Farms, Survey of Beach Communities within Jack-Up Footprints

Pre-construction 3 Datasets 2 Reports

North Sea north

**Coast**

2012, EOC, Lynn and Inner Dowling Offshore Wind Farms, Survey of Beach Communities within Jack-Up Footprints

Pre-construction 3 Datasets 2 Reports

North Sea north

**Coastline**

2012, EOC, Lynn and Inner Dowling Offshore Wind Farms, Survey of Beach Communities within Jack-Up Footprints

Pre-construction 3 Datasets 2 Reports

North Sea north

**Shipping and Ice**

2012, EOC, Lynn and Inner Dowling Offshore Wind Farms, Survey of Beach Communities within Jack-Up Footprints

Pre-construction 3 Datasets 2 Reports

North Sea north



### Data Highlights and Preview

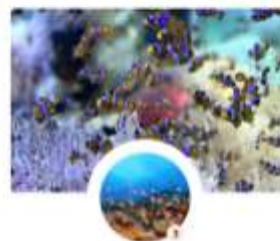
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras faucibus non neque ac dignissim. Suspendisse suscipit sit amet turpis sed gravida.



Plume detection from satellite optical imagery

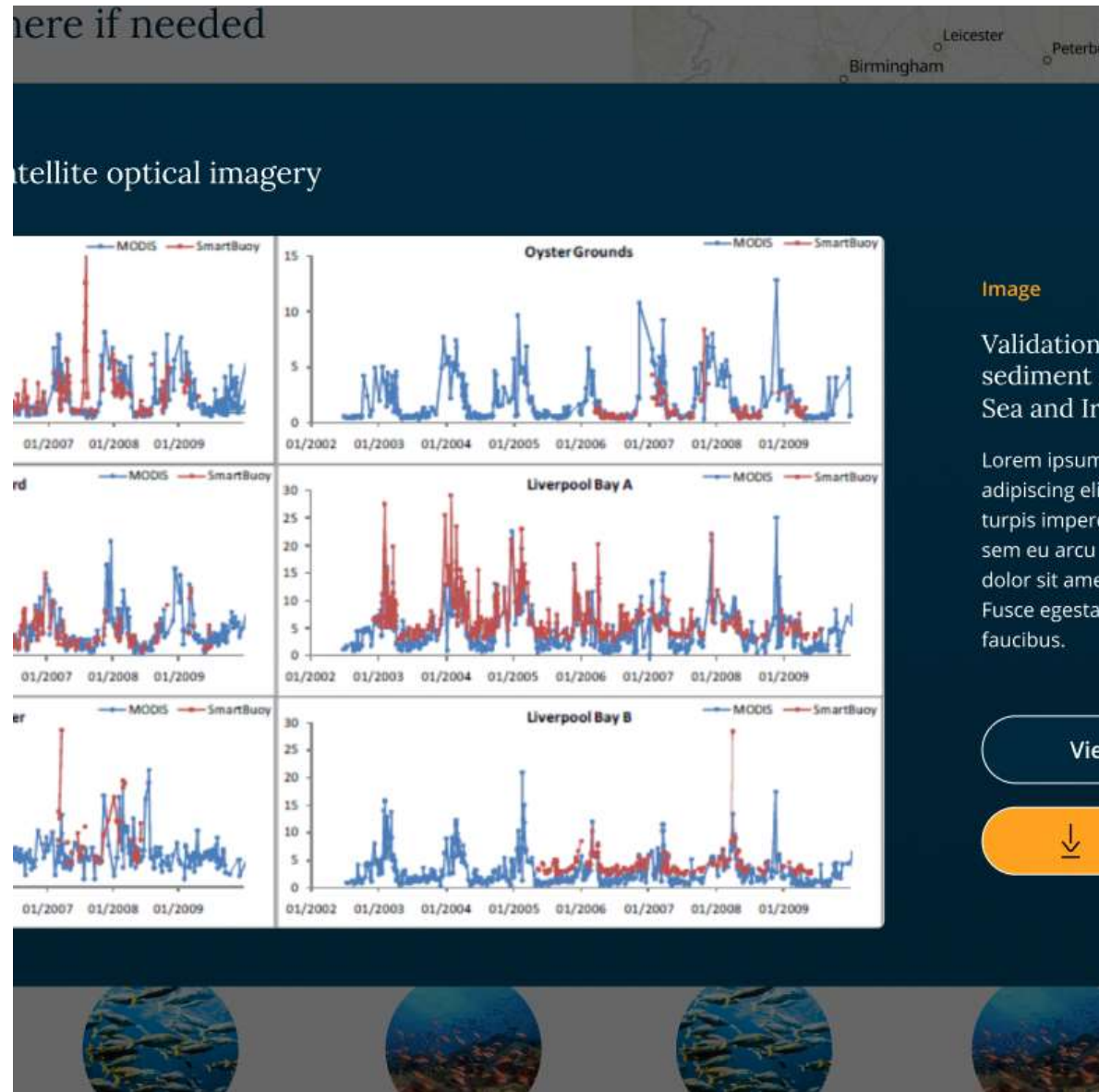


Plume detection from satellite optical imagery



Plume detection from satellite optical imagery

See more data



# 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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