

# FAIR Play: Unlocking the potential of marine data



Department  
for Environment  
Food & Rural Affairs

Liam Matear  
Head of Data & Systems,  
Marine Natural Capital & Ecosystem  
Assessment Programme,  
Defra Marine & Fisheries

# Overview

- How we support MEDIN
- The importance of FAIR Data
- From source to application, a real-life example
- Questions

# How we support MEDIN

- Defra are a proud MEDIN sponsor - we support MEDIN through the MEDIN Sponsors' Board (biannually).
- Defra support the delivery of MEDIN's operational work programme via the MEDIN Executive Team through the provision of impartial strategic direction (quarterly).
- Defra work alongside fellow sponsors, subject matter experts, MEDIN chairs and workstream managers to ensure the successful delivery of UK marine data management & stewardship.
- Defra actively promotes MEDIN & its services across Defra and wider Defra Group.

# The importance of FAIR data

MEDIN helps us ensure that our data are:



**Findable:** data are readable & complete with comprehensive metadata



**Accessible:** data & metadata can be accessed appropriately & responsibly



**Interoperable:** data are interoperable with diverse applications, systems & stores



**Reusable:** data & metadata are well-described to enable repeated use

# What can these benefits look like in practice?



## FAIR Data

## Diverse Applications

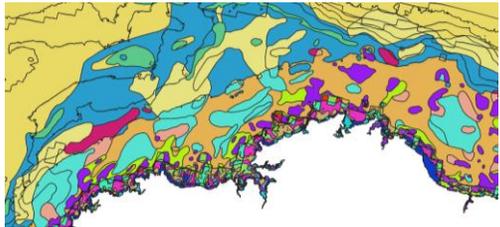
## Usable Outputs

## Data-Driven Policy

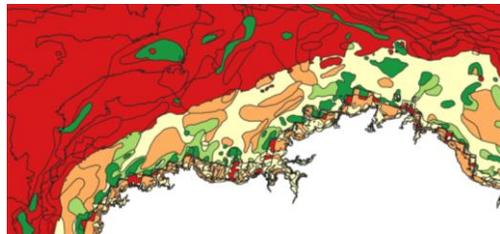
### Species Records



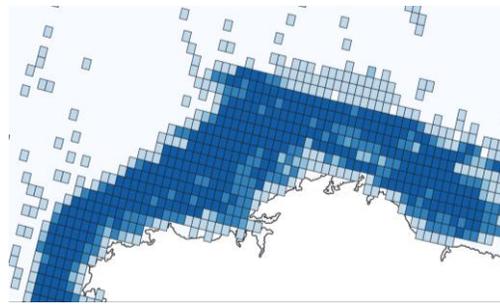
### Habitat Maps



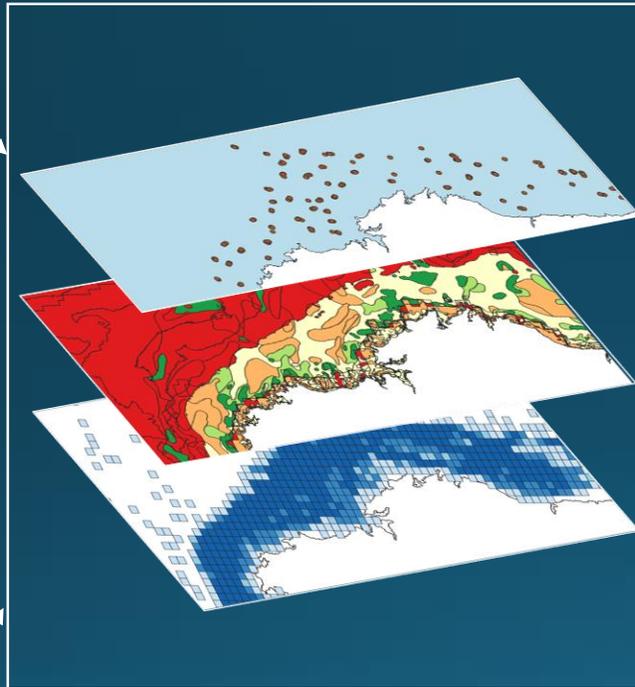
### Sensitivity Information



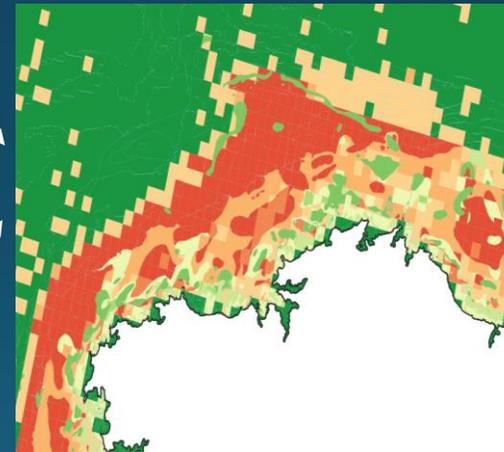
### Human Activity Data



Data interoperability enables diverse data applications



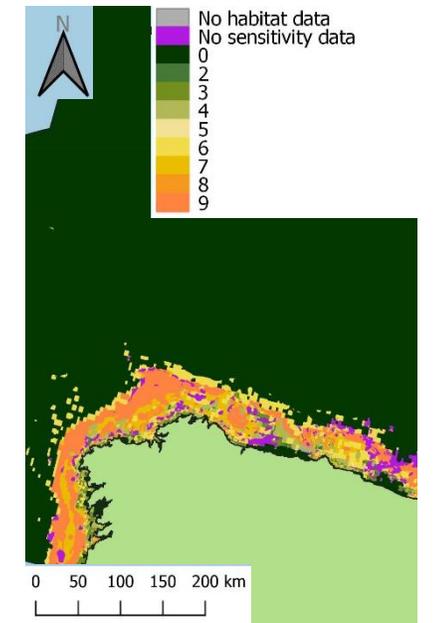
Understanding of environmental status & change



Assessments & reporting:

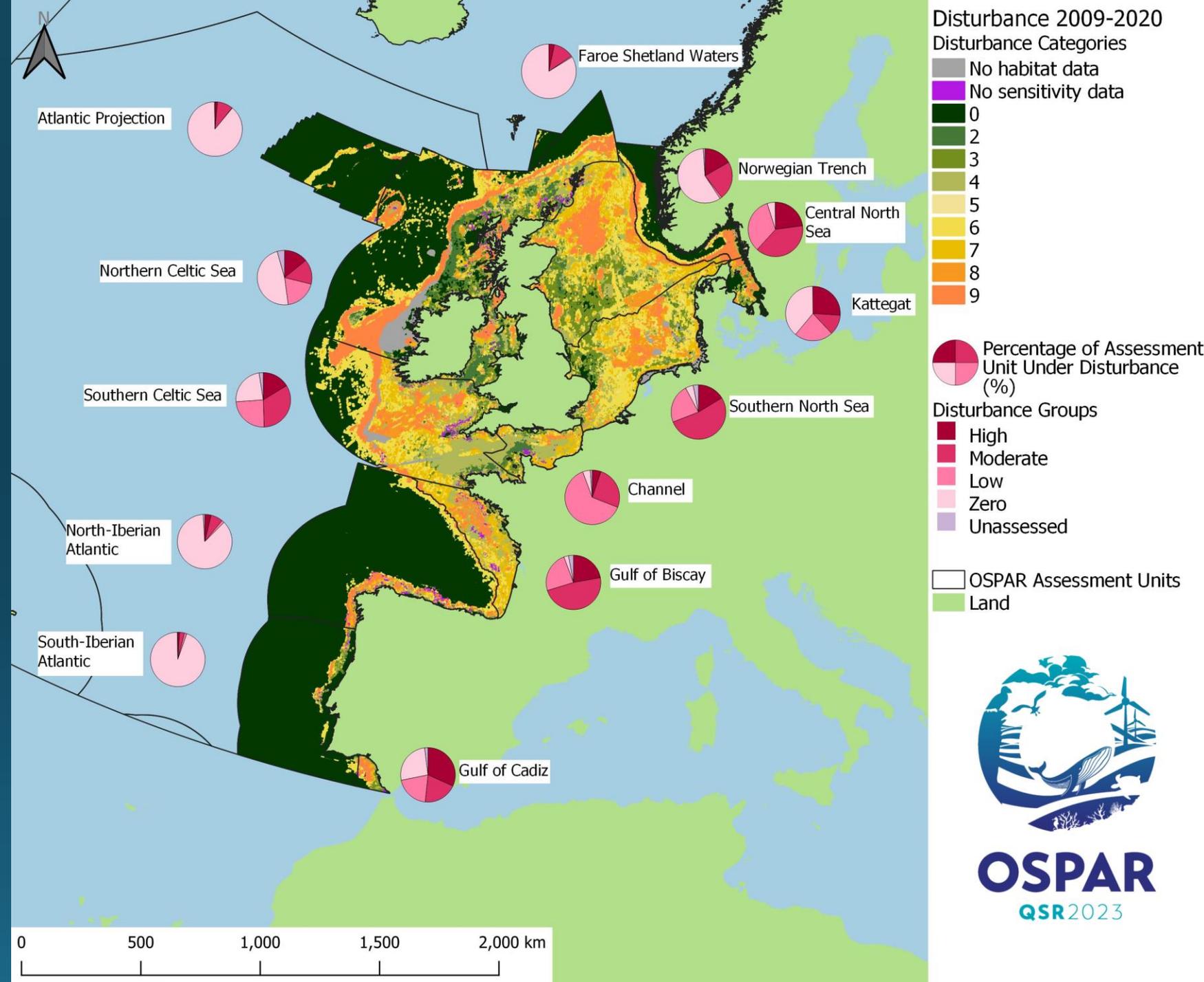
e.g., 25 Year Environment Plan, UK Marine Strategy & OSPAR

### Assessment Outputs



# For example:

- MEDIN helps us meet marine policy & evidence needs.
- Comprehensive data enable understanding of environmental status.
- Effective data management helps us realise the full benefits of our evidence.



**OSPAR**  
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# In summary

- MEDIN plays an essential role in delivering FAIR data for the UK marine community.
- Effective, long-term data management via MEDIN enables us to understand the status & condition of our marine environment.
- Accessible & open data through MEDIN's network enable us to address priority evidence & policy needs.
- Successful data processing, storage & archival help us to achieve data transparency, interoperability & value for money.
- Benefits from MEDIN are diverse, going beyond data & metadata: e.g., UKMMAS Data Strategy, training & best practice guidance, stakeholder collaboration & more.

# Thank you & Questions

Contact:

[Liam.Matear@defra.gov.uk](mailto:Liam.Matear@defra.gov.uk)