Cefas
Centre for Environment, Fisheries and Aquaculture Science
Q-FAIR Data

Data availability

Cefas Data Portal https://data.cefas.co.uk

- 2162 Metadata records describing 6411 datasets
- Environmental data since 1880 increasingly available
- 136 Higher quality datasets with Digital Identifiers DOI including time series
- Data accessible via download, API and Web Map Services
- Automatic links to other data portals including MEDIN Portal
- Metadata compliant with MEDIN Discovery Metadata Standard
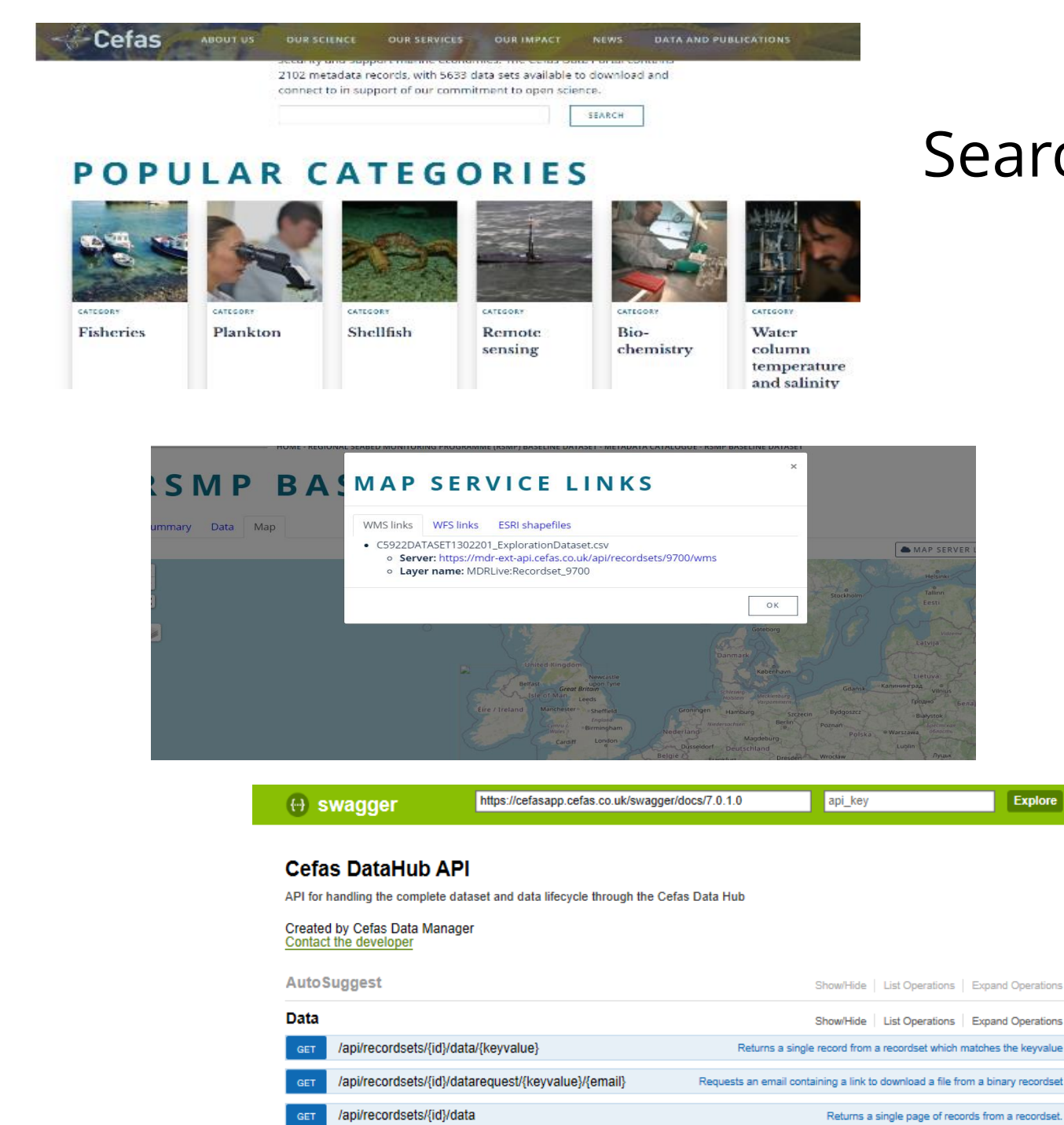
Search & Discover

Explore & Download

Connect & Reuse

Integrate and Federate

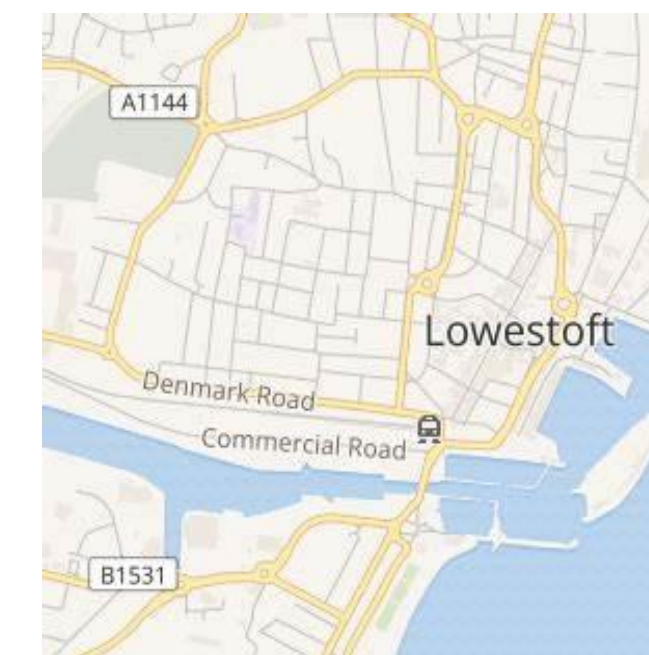## Multidisciplinary data including:

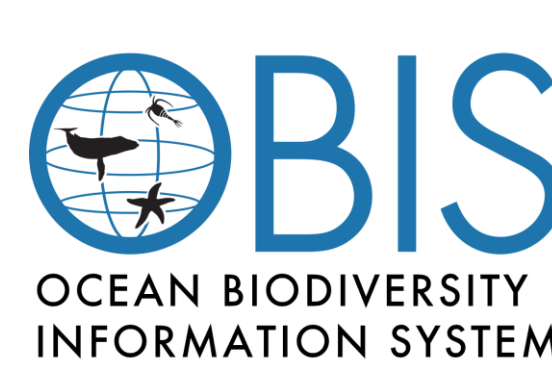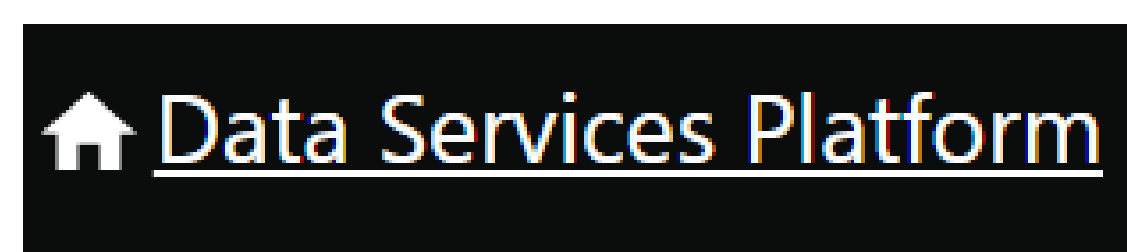**Biology**   **Oceanography**   **Environmental**   **Offshore Infrastructure**   **Boundaries and Zones**   **Aquaculture**   **Base Maps**   **Economics**

Collaboration

with Partners, external data portals, national and international initiatives including:

MEDIN marine environmental data & information network

Data Services Platform

OBIS OCEAN BIODIVERSITY INFORMATION SYSTEM

EMODnet European Marine Observation and Data Network

International Oceanographic Data and Information Exchange Program (IODE)

ICES CIEM International Council for the Exploration of the Sea / Conseil International pour l'Exploration de la Mer

NMBAQC SCHEME

DATA.GOV.UK Opening up Government
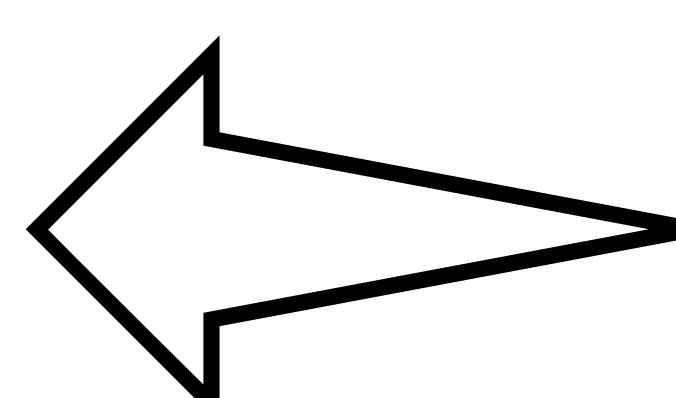
National Laboratory Alliance

Findability
Data increasingly discoverable
- Metadata online in searchable resource - Cefas Data Portal
- Data assigned a persistent identifier
- Discovery metadata following MEDIN Discovery Standard
- Data sets, assets, products and services increasingly open by default
- Increasingly intuitive user interface
- Metadata flows to other Portals including MEDIN Portal

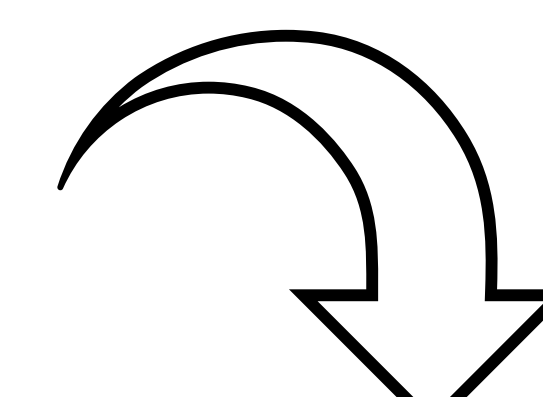## Accessibility
Human and machine access to metadata and data
- Direct accessibility via API
- Increasingly 'two clicks to data'
- Wider range of data formats
- Data open by default
- Data Sharing processes and agreements for restricted data
- Protocol for data retrieval follows recognised standards
- Opportunities for collaborators to access restricted data
- Metadata increasingly accessible, even if the data restricted

Quality
Before you do anything
Is the data
Fit for purpose?
Does it demonstrate trustworthiness?
Are you thinking about the data lifecycle beyond data collection and first use?

Interoperability
Data increasingly machine readable
- Data provided in commonly understood and open formats
- Metadata to relevant standards
- Controlled vocabularies, keywords, thesauri or ontologies used where possible and known
- Improvements to national databases and data flows internationally
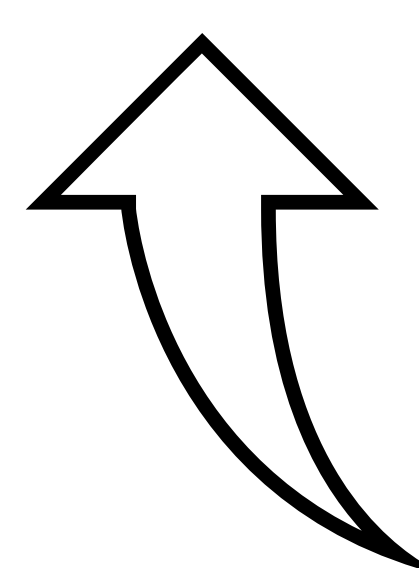
Reusability
Documentation supports interpretation and reuse
- Comprehensive metadata
- Data increasingly accurate and well described
- QC checks continue to be established
- Clear and accessible data usage license
- Documentation clarifies how, why and by whom data created and processed
- Data and metadata meet relevant domain standards

Centre for Environment Fisheries & Aquaculture Science

25 YEARS of Cefas
120 years of science