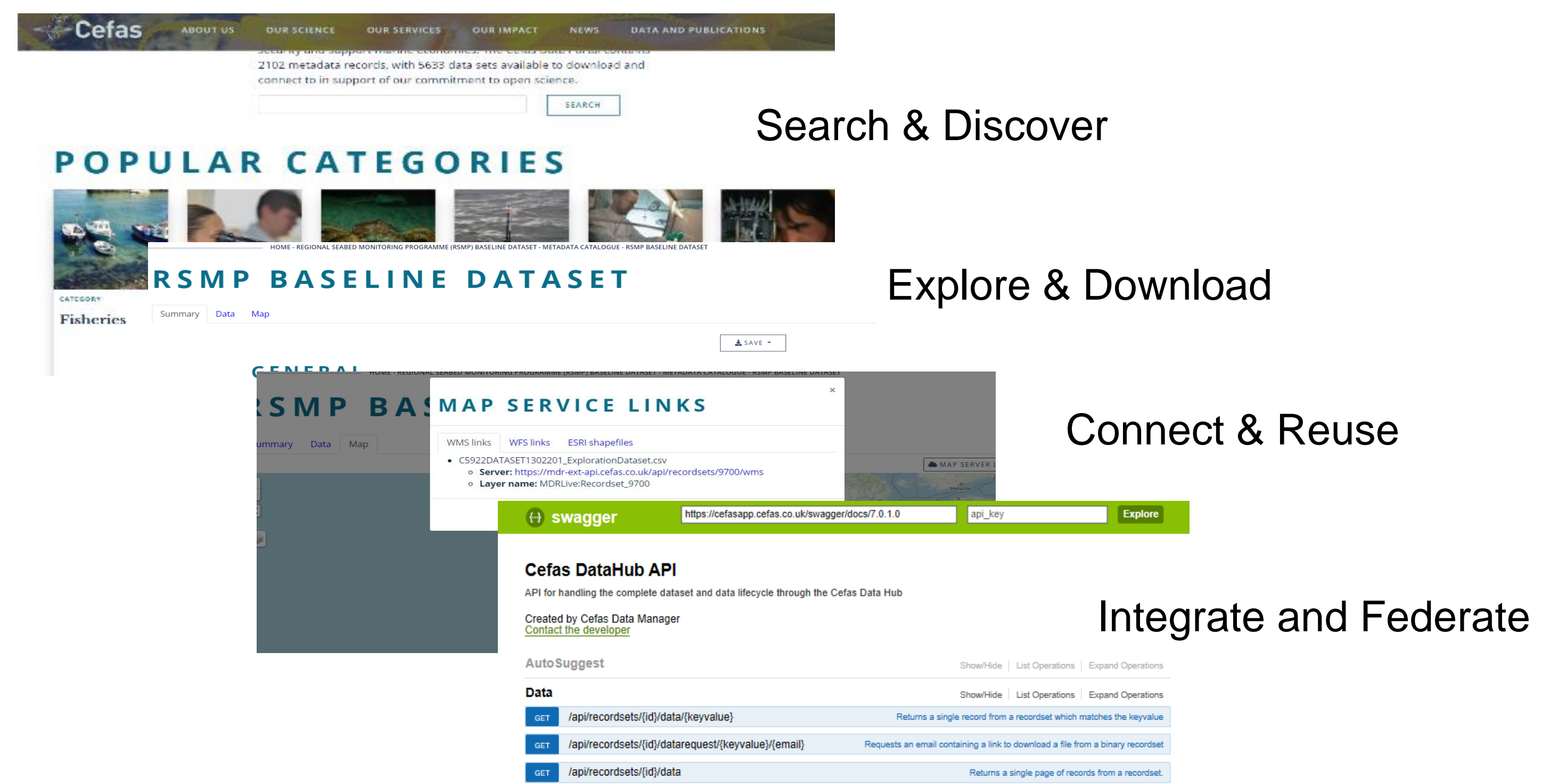


Cefas Technologies for FAIR Data

Including MEDIN Fisheries Data Archive Centre

Cefas Data Portal

- <https://data.cefas.co.uk>
- 2098 Metadata records describing 5705 datasets
- Environmental data from 1880
- 124 High quality datasets with DOI citation
- Data accessible via API and WMS



Data relating to key themes including:



Biology



Oceanography



Environmental



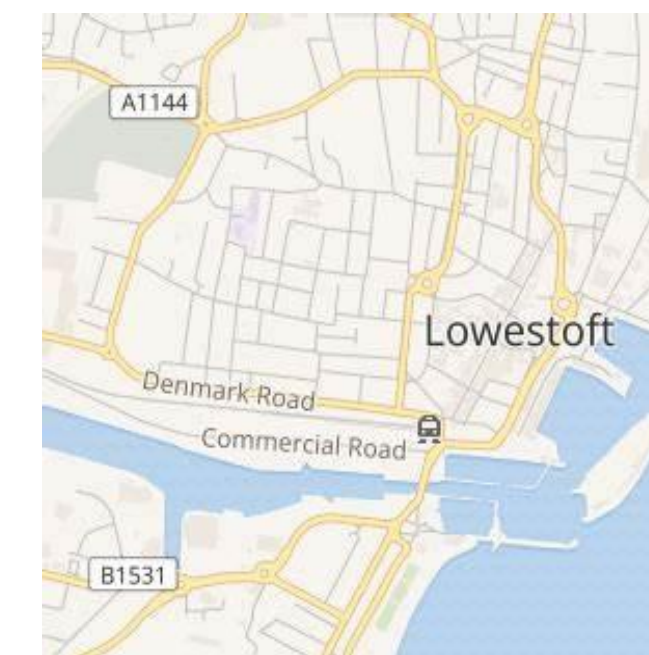
Offshore Infrastructure



Boundaries and Zones



Aquaculture

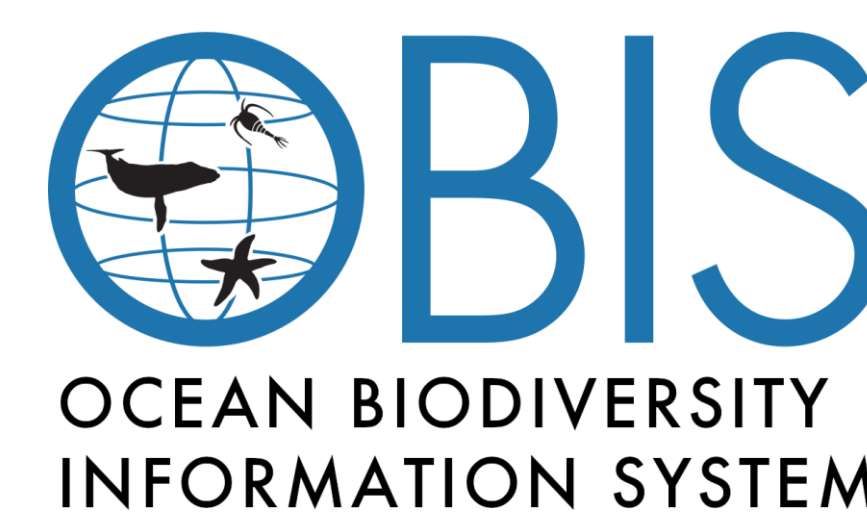


Base Maps



Economics

Integration with External Portals:



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

Interoperability

Data and metadata conform to recognised formats and standards to allow aggregation and exchange

- 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

Accessibility

Humans 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 cannot be

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 was created and processed
- Data and metadata meet relevant domain standard



Centre for Environment Fisheries & Aquaculture Science

25 YEARS
of Cefas
120 years of science

