

Strandings Database Workshop

ICES background

Neil Holdsworth

Head of Data and Information

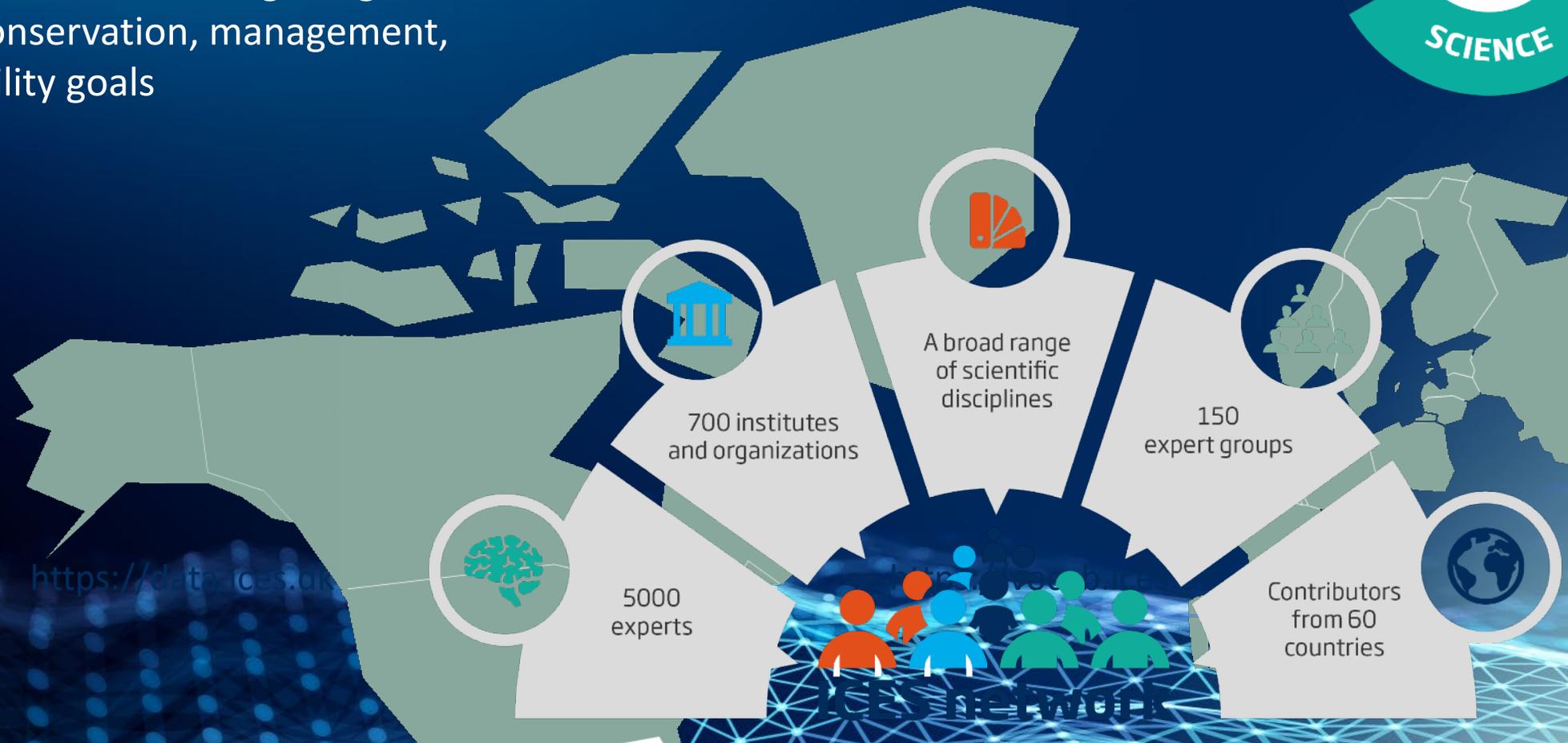
2024



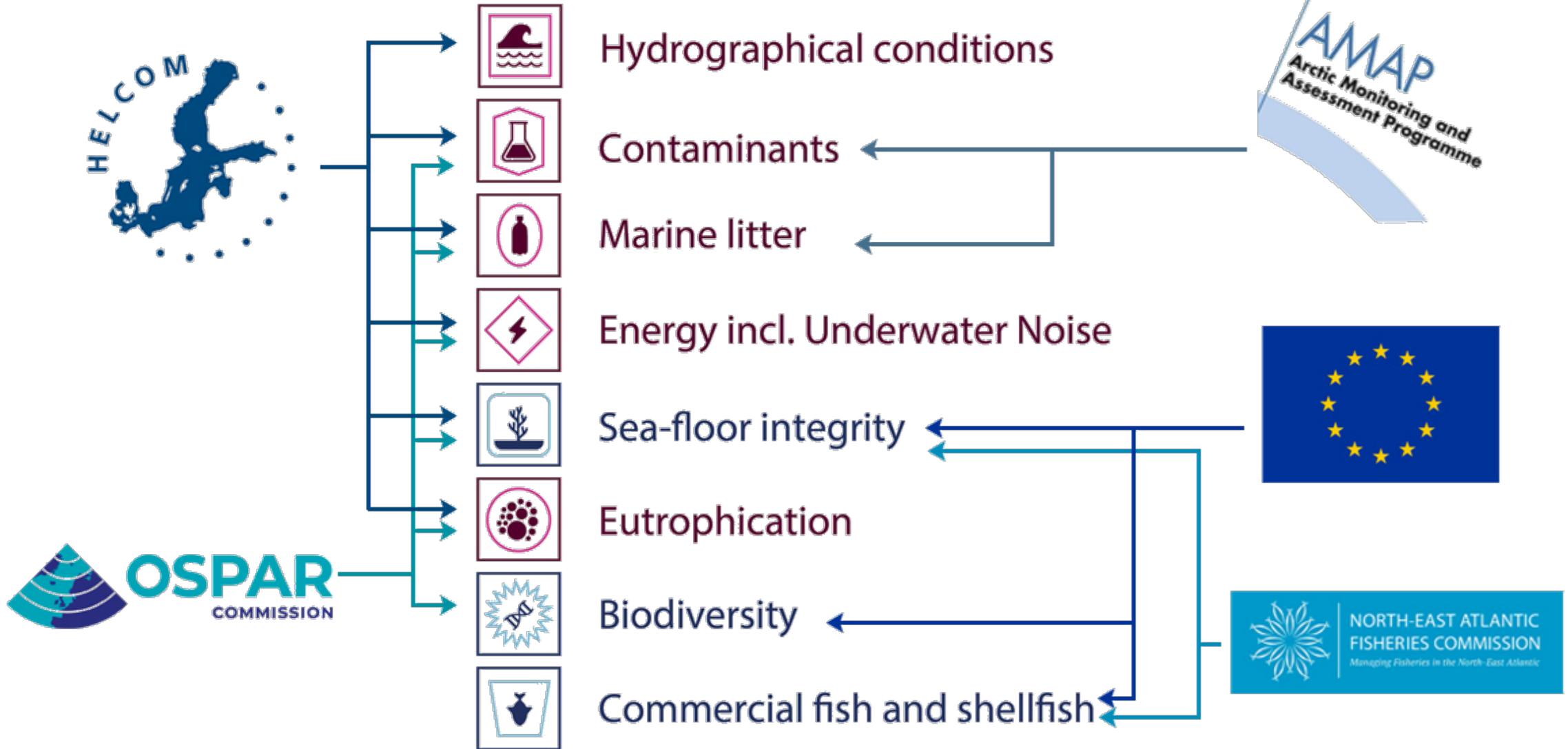
International Council for the Exploration of the Sea

Mission:

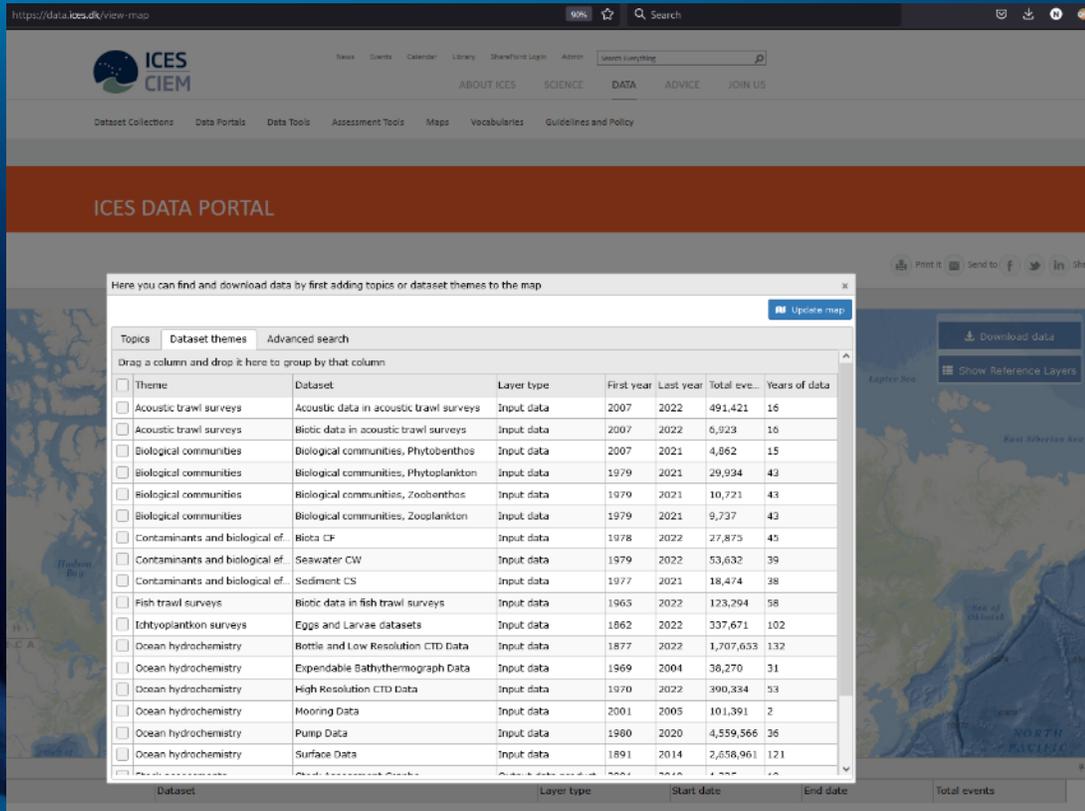
To advance and share scientific understanding of marine ecosystems and services they provide and use this knowledge to generate state-of-the-art advice for meeting conservation, management, and sustainability goals



ICES managed data flows



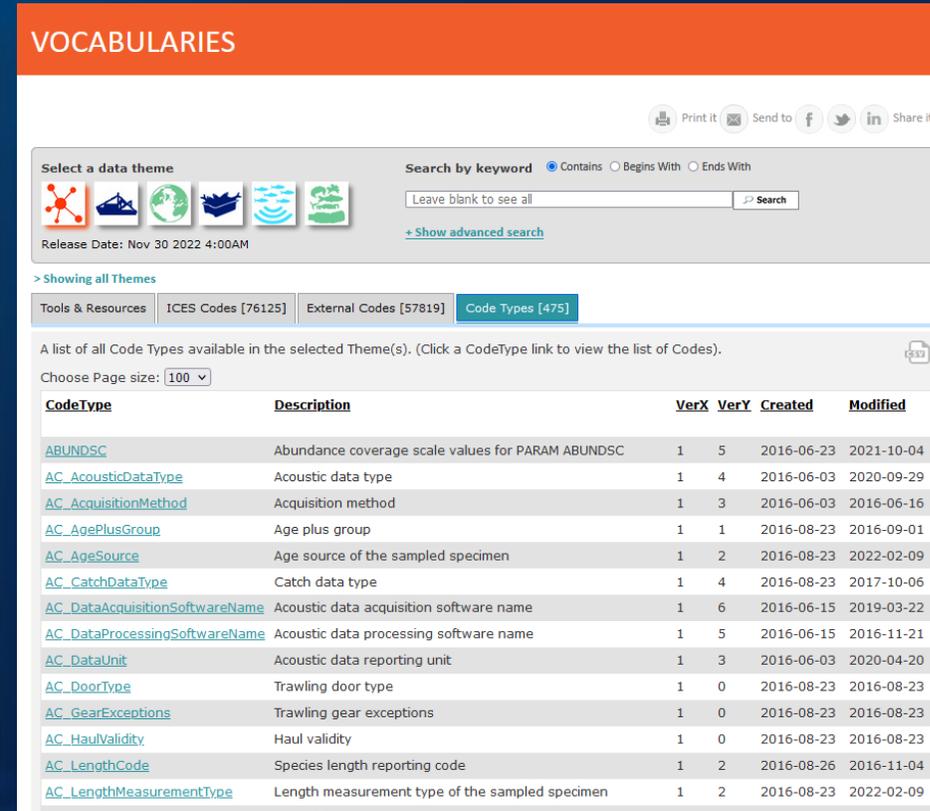
31 Managed dataflows, 475 Code Collections



ICES DATA PORTAL

Here you can find and download data by first adding topics or dataset themes to the map

Theme	Dataset	Layer type	First year	Last year	Total eve...	Years of data	
<input type="checkbox"/>	Acoustic trawl surveys	Acoustic data in acoustic trawl surveys	Input data	2007	2022	491,421	16
<input type="checkbox"/>	Acoustic trawl surveys	Biotic data in acoustic trawl surveys	Input data	2007	2022	6,923	16
<input type="checkbox"/>	Biological communities	Biological communities, Phytoplankton	Input data	2007	2021	4,862	15
<input type="checkbox"/>	Biological communities	Biological communities, Phytoplankton	Input data	1979	2021	29,934	43
<input type="checkbox"/>	Biological communities	Biological communities, Zoobenthos	Input data	1979	2021	10,721	43
<input type="checkbox"/>	Biological communities	Biological communities, Zooplankton	Input data	1979	2021	9,737	43
<input type="checkbox"/>	Contaminants and biological ef...	Biota CF	Input data	1978	2022	27,875	45
<input type="checkbox"/>	Contaminants and biological ef...	Seawater CW	Input data	1979	2022	53,632	39
<input type="checkbox"/>	Contaminants and biological ef...	Sediment CS	Input data	1977	2021	18,474	38
<input type="checkbox"/>	Fish trawl surveys	Biotic data in fish trawl surveys	Input data	1965	2022	123,294	58
<input type="checkbox"/>	Ichthyoplankton surveys	Eggs and Larvae datasets	Input data	1862	2022	337,671	102
<input type="checkbox"/>	Ocean hydrochemistry	Bottle and Low Resolution CTD Data	Input data	1877	2022	1,707,653	132
<input type="checkbox"/>	Ocean hydrochemistry	Expendable Bathythermograph Data	Input data	1969	2004	38,270	31
<input type="checkbox"/>	Ocean hydrochemistry	High Resolution CTD Data	Input data	1970	2022	390,384	53
<input type="checkbox"/>	Ocean hydrochemistry	Mooring Data	Input data	2001	2005	101,391	2
<input type="checkbox"/>	Ocean hydrochemistry	Pump Data	Input data	1980	2020	4,559,566	36
<input type="checkbox"/>	Ocean hydrochemistry	Surface Data	Input data	1891	2014	2,658,961	121



VOCABULARIES

Select a data theme

Search by keyword Contains Begins With Ends With

Leave blank to see all

Release Date: Nov 30 2022 4:00AM

[+ Show advanced search](#)

> Showing all Themes

Tools & Resources | ICES Codes [76125] | External Codes [57819] | **Code Types [475]**

A list of all Code Types available in the selected Theme(s). (Click a CodeType link to view the list of Codes).

Choose Page size:

CodeType	Description	VerX	VerY	Created	Modified
ABUNDSC	Abundance coverage scale values for PARAM ABUNDSC	1	5	2016-06-23	2021-10-04
AC_AcousticDataType	Acoustic data type	1	4	2016-06-03	2020-09-29
AC_AcquisitionMethod	Acquisition method	1	3	2016-06-03	2016-06-16
AC_AgePlusGroup	Age plus group	1	1	2016-08-23	2016-09-01
AC_AgeSource	Age source of the sampled specimen	1	2	2016-08-23	2022-02-09
AC_CatchDataType	Catch data type	1	4	2016-08-23	2017-10-06
AC_DataAcquisitionSoftwareName	Acoustic data acquisition software name	1	6	2016-06-15	2019-03-22
AC_DataProcessingSoftwareName	Acoustic data processing software name	1	5	2016-06-15	2016-11-21
AC_DataUnit	Acoustic data reporting unit	1	3	2016-06-03	2020-04-20
AC_DoorType	Trawling door type	1	0	2016-08-23	2016-08-23
AC_GearExceptions	Trawling gear exceptions	1	0	2016-08-23	2016-08-23
AC_HaulValidity	Haul validity	1	0	2016-08-23	2016-08-23
AC_LengthCode	Species length reporting code	1	2	2016-08-26	2016-11-04
AC_LengthMeasurementType	Length measurement type of the sampled specimen	1	2	2016-08-23	2022-02-09

<https://data.ices.dk>

<https://vocab.ices.dk/>

cetaceans.ices.dk

Current data providers

6

Number of surveys

323

Kilometres of survey effort

255 062

Number of unique species

31

Temporal coverage

2005 - 2022

Number of observations

15 954

Cetaceans

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Cetaceans (whales, dolphins and porpoises) data to understand their abundance and distribution

This portal assembles at-sea effort-related data collected via ship-based or aerial methods, collated under the Joint Cetacean Database Programme (JCDP).

The JCDP aims to streamline the process of accessing and utilising these data by collating the existing and forthcoming cetacean evidence base into a single resource. These data have a wide range of applications and have the potential to support analyses at a range of spatial and temporal scales. For more information, visit the JCDP hub (see links)



How to Cite

Joint Cetacean Data Programme (JCDP) (<https://cetaceans.ices.dk>), 2022. ICES, Copenhagen

View [full dataset](#) meta-record



Joint Cetacean Data Programme

Development of this portal was funded by DEFRA (UK)

VISUALISE ON MAP

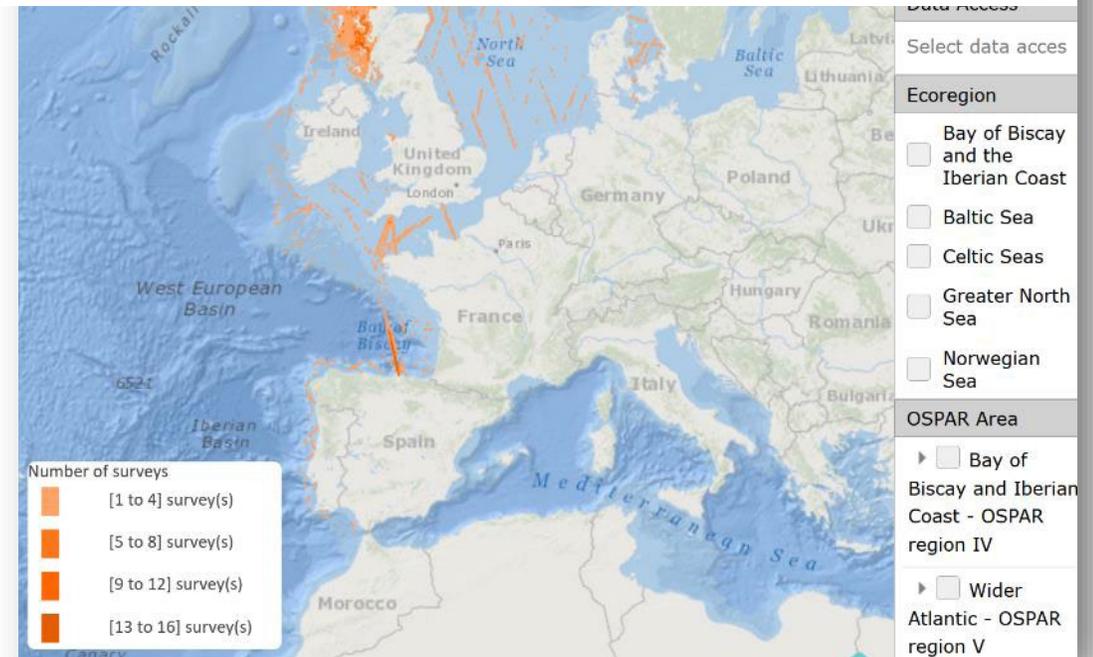
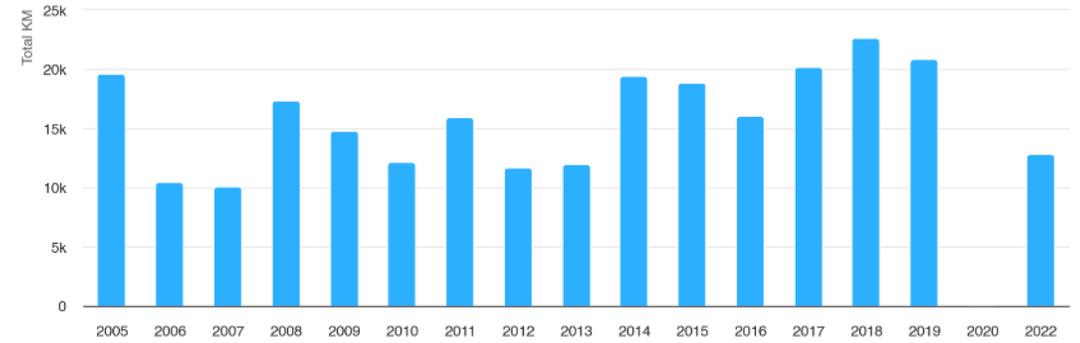
VIEW DATA INVENTORY

SUBMIT DATA

GUIDES AND STANDARDS

- > [Feedback form](#)
- > [Data format](#)
- > [JCDP hub](#)
- > [JCDP Data Standard and Resources](#)

Total survey effort in kilometres per year



Wider membership to WGJCDP



Data Management Accreditation



ICES
CIEM

Well described



SUMMARY LINKS

- > [ICES Data Policy](#)
- > [CC BY 4.0 Licence](#)
- > [ICES Biodiversity Licence \(restricted data\)](#)
- > [RDB/RDBES Licence \(restricted data\)](#)
- > [ICES VMS/Logbook Licence \(restricted data\)](#)

DATA QUALITY

DATA LABELLING

DATA FORMAT

DATA STORAGE, ACCESS

DATA SHARING

DATA LINEAGE

European Seabirds At Sea

Monitoring data on seabirds and marine mammals

European Seabirds At Sea (ESAS) assembles offshore monitoring data on seabirds and marine mammals. This international database mostly includes data from the North Sea, yet large parts of the Northeastern Atlantic Ocean are covered as well. It finds its origin in the 'Seabirds At Sea' project, which was initiated in 1979 following the discovery of major oil potential in the North Sea and an urgent need to gain more knowledge on the occurrence and distribution of seabirds in their offshore habitat. This led to the execution of large-scale ship-based surveys across the North Sea using a standardized data collection method and a first European wide data assembly in 1991.

ESAS data are collected by various partners during aerial or ship-based surveys at sea and according to a methodology that allows to calculate georeferenced seabird densities. Standard practice further implies collecting as much information as possible on animal age, plumage and behaviour as well as observation conditions and distance to the observed individuals.

As part of the WOZLP research project, ESAS data were migrated in 2022 from its former host JNCC (UK) to ICES. The ICES infrastructure allows partners to submit new data and users to download or request data.

How to cite

European Seabirds At Sea (ESAS). 2022. ICES, Copenhagen, Denmark. <https://esas.ices.dk>

View full [metadata](#) record for European Seabirds At Sea (ESAS).

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SUBMIT DATA

DOWNLOAD DATA

VIEW FILE FORMAT

RESOURCE LINKS

- > [Data Model](#)
- > [Web Services \(API\)](#)

DATA ACCESS COND

- > [ICES Data Policy](#)



QUALITY CONTROL CHECKS

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QC ID	Short Title	Link	Initiated	Revoked	Source	Level	Severity	Nature
577	Implement the latest reporting format changes	http://www.ices.dk/nea...	6/1/2013		DATSU	Field	Information	Validity (logical)
578	Implement the latest reporting format changes	http://www.ices.dk/nea...	6/1/2013		DATSU	Field	Information	Validity (logical)
579	Implement the latest reporting format changes	http://www.ices.dk/nea...	6/1/2013		DATSU	Field	Information	Validity (logical)
580	Implement the latest reporting format changes	http://www.ices.dk/nea...	6/1/2013		DATSU	Field	Information	Validity (logical)
581	Implement the latest reporting format changes	http://www.ices.dk/nea...	6/1/2013		DATSU	Field	Information	Validity (logical)

VOCABULARIES

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Select a data theme

Search by keyword

Reference Date: Feb 7 2023 4:00AM

Showing all Themes

Tools & Resources ICES Codes (76254) Fafnet Codes (57827) Code Types (177)

A list of all Code Types available in the selected Theme(s). (Click a CodeType link to view the list of Codes).

Choose Page size: 100

CodeType	Description	VerX	VerY	Created	Modified
ABUNDSC	Abundance coverage scale values for PARAM ABUNDSC	1	5	2016-06-23	2021-10-04
AC_AcousticDataType	Acoustic data type	1	4	2016-06-03	2020-09-29
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AC_CatchDataType	Catch data type	1	4	2016-08-23	2017-10-06
AC_DataAcquisitionSoftwareName	Acoustic data acquisition software name	1	6	2016-06-15	2019-03-22

Dataset: **Baltic International Trawl Survey**

Format / Checks / Species

Record: **CA - SMALK**

Start	FieldCode	Datatype	Code List	Mandatory	Additions
1	RecordType	char(2)		<input checked="" type="checkbox"/>	
2	Quarter	int(3)		<input checked="" type="checkbox"/>	
3	Country	char(6)	ISO_3166	<input checked="" type="checkbox"/>	
4	Ship	char(4)	SHIPC	<input checked="" type="checkbox"/>	
5	Gear	char(6)	Gear	<input checked="" type="checkbox"/>	
6	SweepLgt	int(3)		<input type="checkbox"/>	
7	GearLx	char(2)		<input type="checkbox"/>	
8	DoorType	char(2)	TS_DoorType	<input type="checkbox"/>	
9	Site	char(6)		<input checked="" type="checkbox"/>	

ICES Metadata Catalogue

Search Map

Back to search Previous Next

Download on 13 copy mode

DATRAS Central Northeast Atlantic Deepwater Trawl Surveys (DWS)

Overview

The dataset includes length-based catch per unit effort data for deep-water fish species collected during the Central Northeast Atlantic Deep-water trawl surveys by Ireland and Scotland.

Download and links

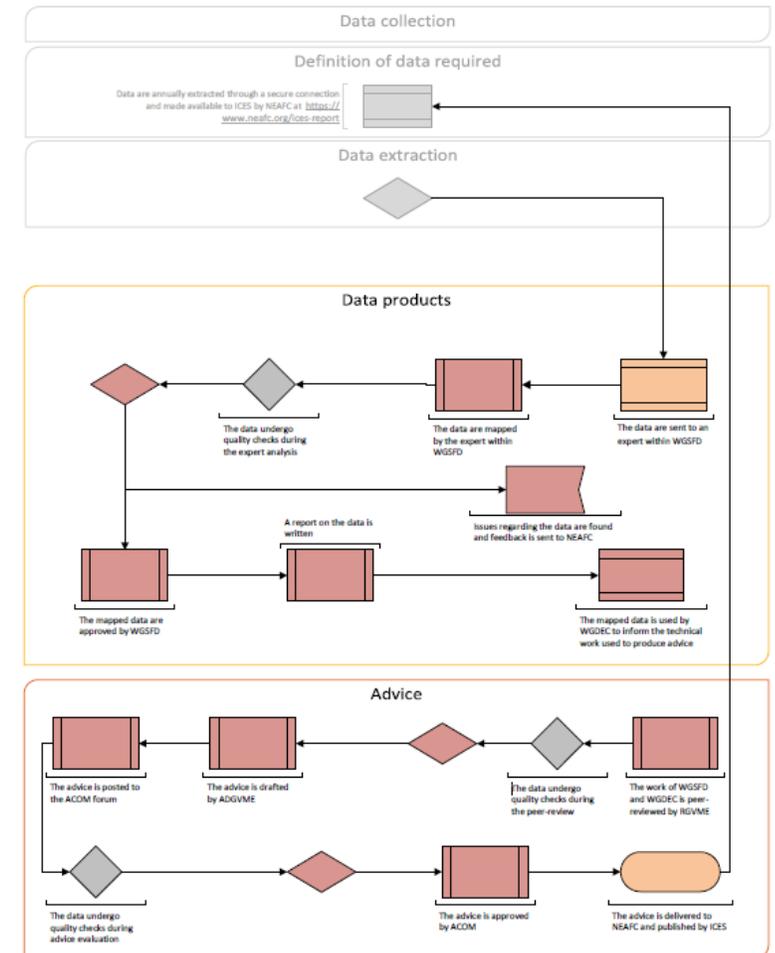
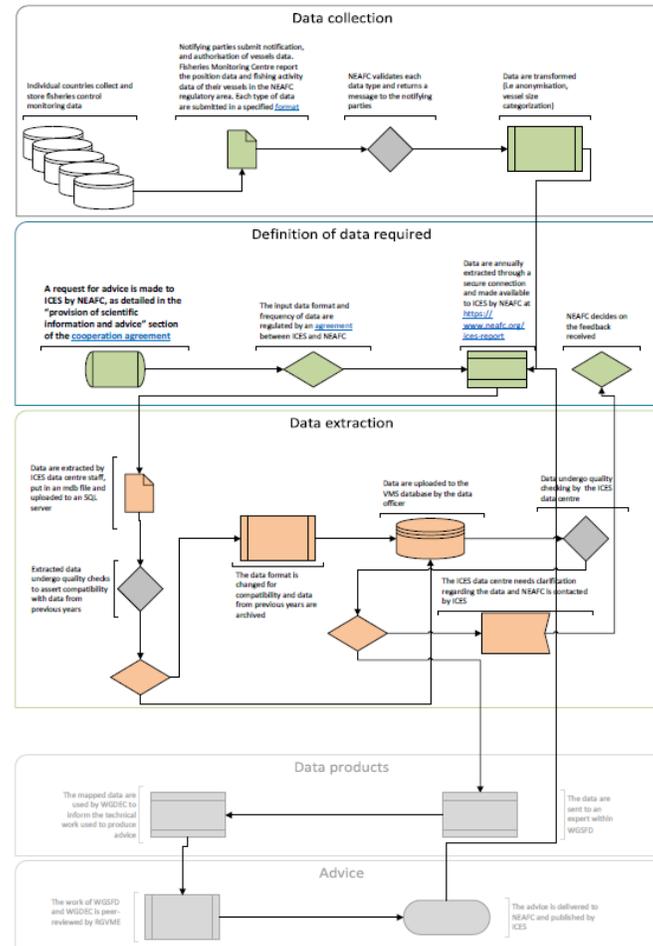
- DATRAS home page: DWS information and data can be accessed from here <http://datras.ices.dk>
- Direct link to download DWS data https://datras.ices.dk/data-products/download/download_data_public.aspx
- DATRAS web services page: Explore web services for DWS <https://datras.ices.dk/WebServices/WebServices.aspx>

About this resource

Understanding the flow



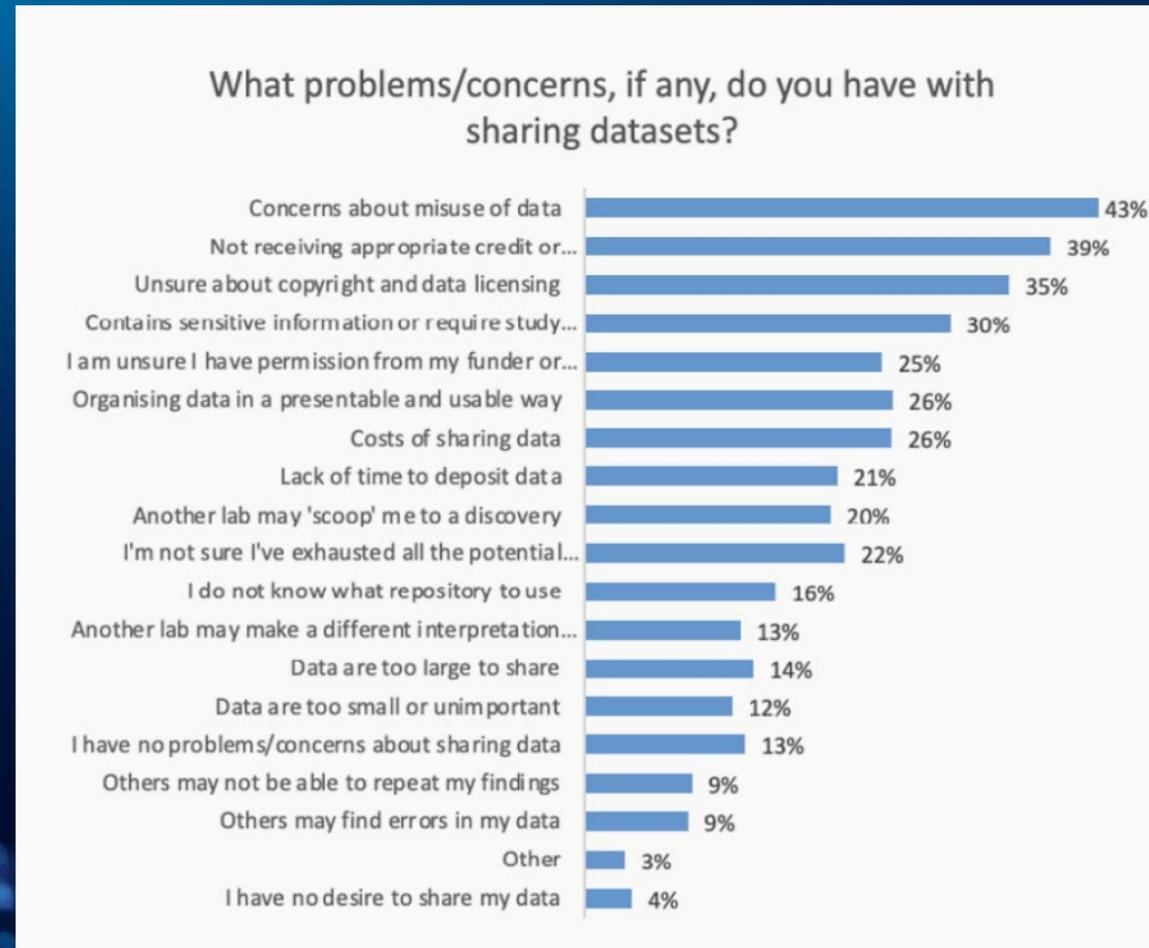
<http://ices.dk/publications/library/>



Data Challenges – a wider perspective



<https://doi.org/10.6084/m9.figshare.17081231>



Concerns of Misuse
 Appropriate Credit
 Sensitive information
 Ownership/permission
 Costs of sharing
 Time to share

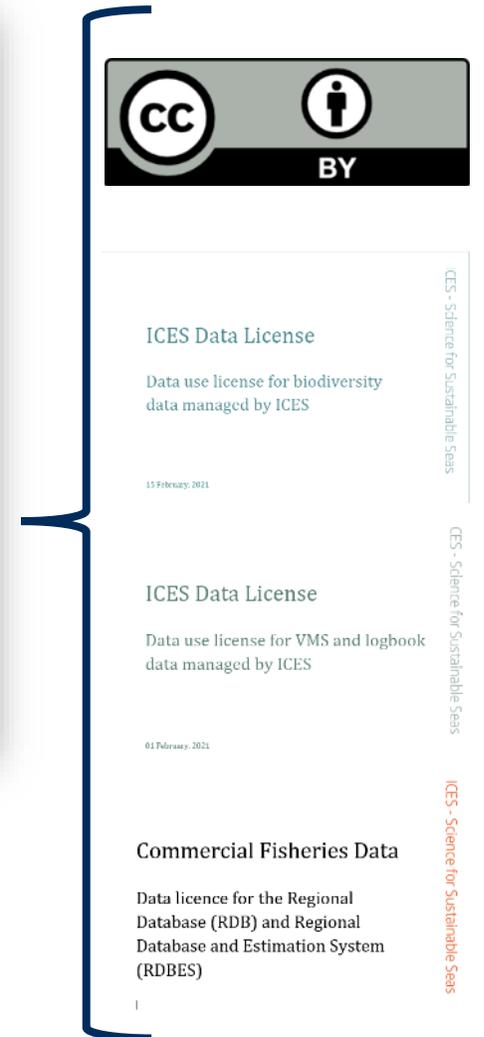
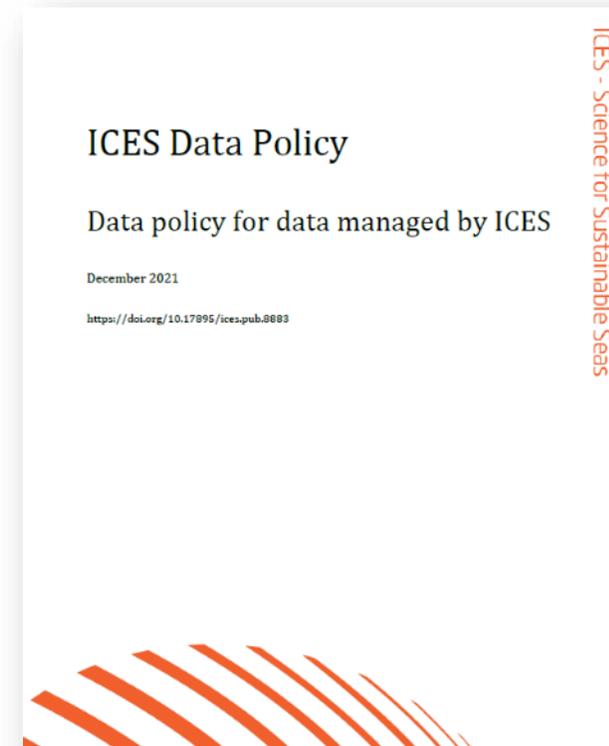
Data policy

Public Open Access

- Typically collected with public funds but also industry derived
- 85% of data holdings at ICES
- Acknowledgement/Citation
- No commercial restriction
- No moratoriums

Restricted Access

- Related to legislation i.e. EU Data Collection Framework
- Economically or biologically sensitive
- Governance groups including data providers
- Access is determined by use-case



<https://doi.org/10.17895/ices.pub.8883>

CC-BY 4.0



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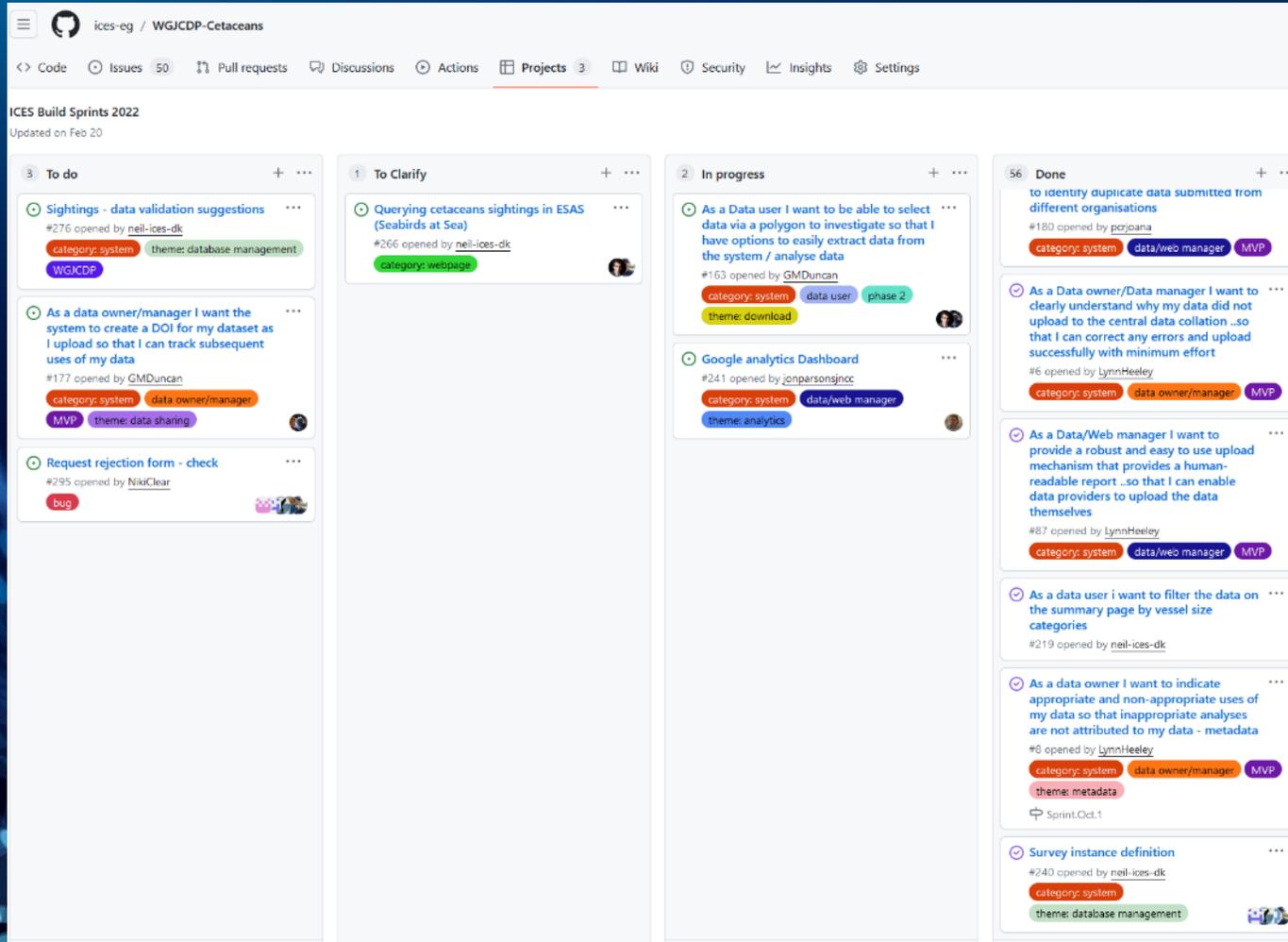
It's not quantum physics



Unlike Schrödinger's cat, data cannot be **simultaneously** open access and restricted, you need to choose.

On user stories

Focus on 'features' and don't think about the detail (not yet anyway)



ices-eg / WGJCDP-Cetaceans

<> Code Issues 50 Pull requests Discussions Actions Projects 3 Wiki Security Insights Settings

ICES Build Sprints 2022
Updated on Feb 20

- To do**
 - Sightings - data validation suggestions
#276 opened by neil-ices-dk
category: system theme: database management
WGJCDP
 - As a data owner/manager I want the system to create a DOI for my dataset as I upload so that I can track subsequent uses of my data
#177 opened by GMDuncan
category: system data owner/manager
MVP theme: data sharing
 - Request rejection form - check
#295 opened by NikiClear
bug
- To Clarify**
 - Querying cetaceans sightings in ESAS (Seabirds at Sea)
#266 opened by neil-ices-dk
category: webpage
- In progress**
 - As a Data user I want to be able to select data via a polygon to investigate so that I have options to easily extract data from the system / analyse data
#163 opened by GMDuncan
category: system data user phase 2
theme: download
 - Google analytics Dashboard
#241 opened by jonparsonsinc
category: system data/web manager
theme: analytics
- Done**
 - to identify duplicate data submitted from different organisations
#180 opened by porjoana
category: system data/web manager MVP
 - As a Data owner/Data manager I want to clearly understand why my data did not upload to the central data collation ..so that I can correct any errors and upload successfully with minimum effort
#6 opened by LynnHeeley
category: system data owner/manager MVP
 - As a Data/Web manager I want to provide a robust and easy to use upload mechanism that provides a human-readable report ..so that I can enable data providers to upload the data themselves
#87 opened by LynnHeeley
category: system data/web manager MVP
 - As a data user i want to filter the data on the summary page by vessel size categories
#219 opened by neil-ices-dk
 - As a data owner I want to indicate appropriate and non-appropriate uses of my data so that inappropriate analyses are not attributed to my data - metadata
#8 opened by LynnHeeley
category: system data owner/manager MVP
theme: metadata
Sprint.Oct.1
 - Survey Instance definition
#240 opened by neil-ices-dk
category: system
theme: database management

Example

<https://github.com/ices-eg/WGJCDP-Cetaceans/issues/32>

