

ICES Data Portal (<https://data.ices.dk>)

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ICES Data Portal

- ✓ Our current portal is over 12 years
- ✓ Does not support products (only raw data)
- ✓ Does not have new technologies like:
 - ✓ Microservices
 - ✓ Angular
 - ✓ Services API

<https://data.ices.dk>

ICES DATA PORTAL

Data inventory

- > by dataset
- > by ICES areas
- > by HELCOM sub-basins
- > by OSPAR regions
- > by species
- > by parameter

Map

Web services

ICES Datasets

Metadata	Dataset	Measurements	No of years	Last Updated
	Biological community	1 983 073	38	29/06/2018
	Contaminants and biological effects	12 629 656	41	12/06/2018
	Eggs And Larvae	1 073 423	95	03/11/2015
	Fish predation (stomach contents)	1 149 608	12	16/03/2011
	Fish trawl survey	7 686 784	53	19/09/2018
	Historical datasets	334 837	58	21/02/2012
	Oceanographic	159 098 461	129	18/02/2018
	Vulnerable Marine Ecosystems	26 376	44	06/03/2018

What is new in the version 3.0 of EcoSystemData, see [here](#)
For the most up to date data please check the individual databases

See the complete inventory of data

ICES OCEAN
For more detailed information and data products related to the physical conditions of the marine environment, visit [OCEAN](#)

ICES DATRAS
For more detailed information and data products related to Fish Trawl surveys, visit [DATRAS](#)

ICES DOME
For more detailed information and data products related to biological communities or Contaminants and biological effects, visit [DOME](#)

ICES HISTORICAL DATASETS
For more detailed information and data products related to ICES Datasets, click [HERE](#)

ICES STOMACH DATA
For more detailed information and data products related to stomach data, visit [STOMACH DATA](#)

ICES EGGS AND LARVAE
For more detailed information and data products related to Fish egg and fish larvae dataset, click [HERE](#)

ICES Data Portal (Objective)

Our objective was to put all data and related in the data portal, including:

- ✓ Raw data
- ✓ Indicators
- ✓ Layers
- ✓ Links to the metadata
- ✓ Products
- ✓ DOI's



Data Portal (demonstration time)

The screenshot displays the ICES Data Portal interface. On the left, a map shows the North Sea region with various data layers overlaid. A legend and search criteria panel are visible. The main area features a search results table and a metadata panel for a selected dataset.

Search Criteria:

- Acoustic data in acoustic trawl surveys
- Date: (Year >= 1977) and (Year <= 2021)
- Sediment CS
- Date: (Year >= 1977) and (Year <= 2021)

Dataset Themes: Acoustic trawl surveys (AS), Contaminants and biological effects (CON), Stock assessments (SA)

Search Results Table:

Theme	Dataset	Layer type	First year	Last year	Total events...	Years of data
<input checked="" type="checkbox"/>	Acoustic trawl surveys	Acoustic data in acoustic trawl surveys	2007	2021	348,177	15
<input type="checkbox"/>	Acoustic trawl surveys	Biotic data in acoustic trawl surveys	2007	2020	4,124	14
<input type="checkbox"/>	Contaminants and biological effects	Biota CF	1978	2019	25,480	42
<input type="checkbox"/>	Contaminants and biological effects	Seawater CW	1985	2020	88,550	36
<input checked="" type="checkbox"/>	Contaminants and biological effects	Sediment CS	1977	2020	16,389	37
<input type="checkbox"/>	Fish trawl surveys	Biotic data in fish trawl surveys	1965	2021	93,626	57
<input type="checkbox"/>	Ichthyoplankton surveys	Eggs and Larvae datasets	1862	2021	333,723	101
<input type="checkbox"/>	Ocean hydrochemistry	Bottle and Low Resolution CTD Data	1877	2020	1,681,927	130
<input type="checkbox"/>	Ocean hydrochemistry	Conductivity-Temperature-Depth (Pressure...)	1970	2020	367,572	51
<input type="checkbox"/>	Ocean hydrochemistry	Expendable Bathothermograph Data	1969	2004	38,270	31
<input type="checkbox"/>	Ocean hydrochemistry	Mooring Data	2001	2005	101,391	2
<input type="checkbox"/>	Ocean hydrochemistry	Pump Data	1980	2019	3,587,172	35
<input type="checkbox"/>	Ocean hydrochemistry	Surface Data	1891	2014	2,658,961	121
<input type="checkbox"/>	Stock assessments	Stock Assessment Graphs	2001	2019	1,235	19
<input type="checkbox"/>	Underwater noise	Impulsive noise indicator	2014	2019	6	6
<input type="checkbox"/>	Underwater noise	Impulsive Noise Register	2008	2019	29,587	11
<input type="checkbox"/>	Vulnerable marine ecosystems	ICES Vulnerable Marine Ecosystems	1894	2019	55,445	51

Metadata Panel:

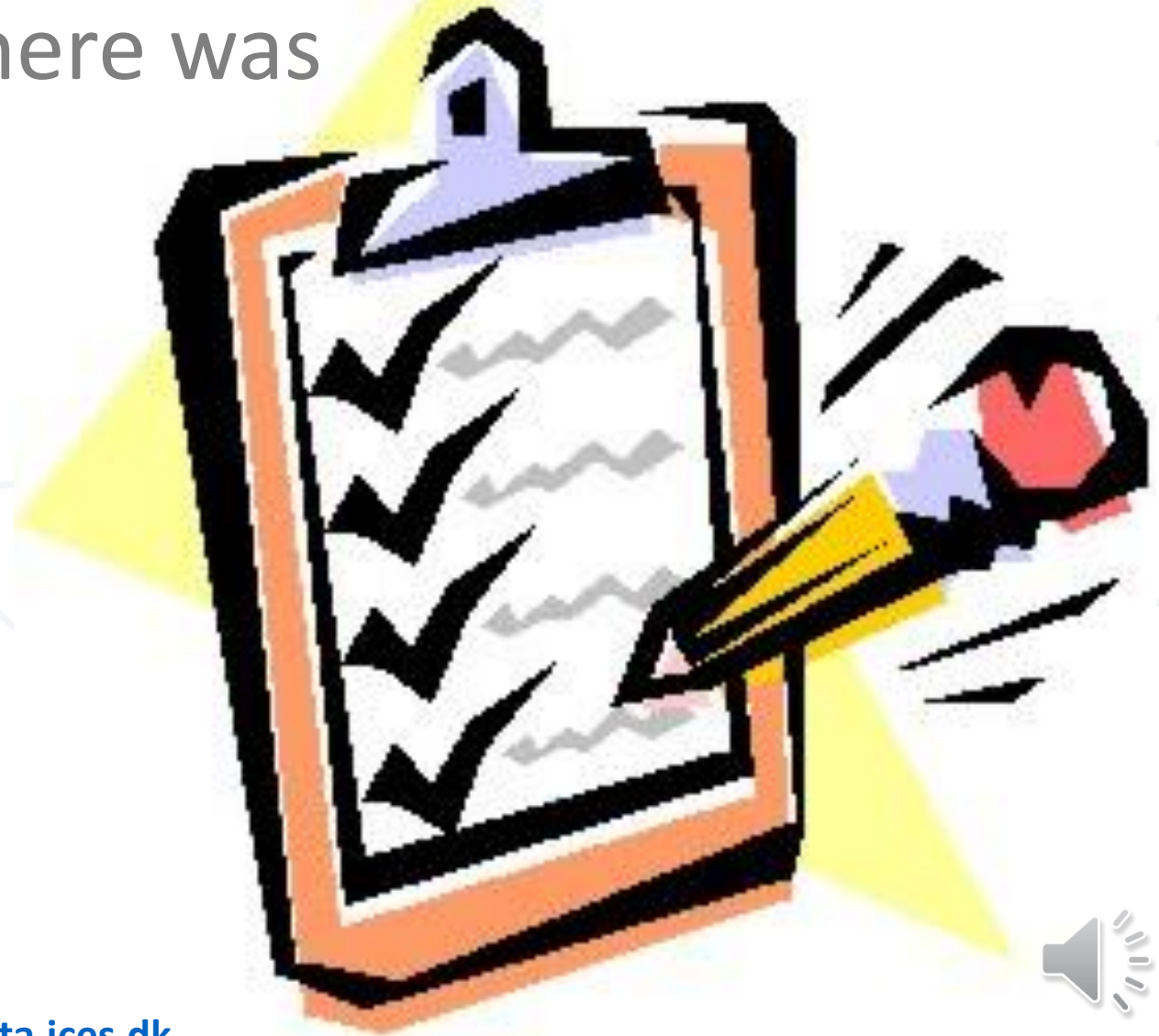
Field	Value
Theme	Acoustic trawl surveys
Metadata	https://gis.ices.dk/geonetwork/srv/eng/catalog.search#/metadata/8f4651a7-904c-4bac-95dc-414312f24527
LocalID	Acoustic_LOG_123781
DateTime	2016-07-08 04:01
LogDistance	280569
Validity	Valid(V)
Platform/Ship	Solea(06SL)
Country	GERMANY(DE)
Dataset	Acoustic data in acoustic trawl surveys(AAC)
Survey	International Acoustic Survey in the North Sea, West of Scotland, and Malin Chalf(HFRAS1)

Summary Cards:

- Habitat:** 8,490,738
- Plankton:** Total events: 333,723
- Selective extraction of species:** Total events: 447,162
- Fish:** 779,650
- Coastal development:** Total events: 160,012

Data Portal (Conclusion)

- ✓ In terms of technology there was a major upgrade;
- ✓ We can have now:
 - ✓ Raw data;
 - ✓ Data products;
 - ✓ Reference layers;
 - ✓ Link to the metadata;
 - ✓ Custom legend(s);
- ✓ WebApp is responsive;



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THANK YOU



In case of any questions or
comments please write to
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