EMODnet product catalogue

EMODnet Human Activities, Fisheries, Fishing Intensity

The datasets on fishing intensity in the EU waters by sea basin are created every year by the International Council for the Exploration of the Sea (ICES). In the 2020 Cogea started to collect and harmonize them according to the EMOdnet Human Activities dataset schema. The EMODnet dataset is updated yearly, as soon as new data from ICES Fishing Overviews are released, and is available for viewing and download on the EMODnet web portal (Human Activities, https://emodnet.ec.europa.eu/en/human-activities). Where and when available, the fisheries overview fishing intensity data concern: i) the spatial distribution of average annual fishing effort (mW fishing hours) by ecoregion (Azores, Bay of Biscay and the Iberian Coast, Baltic Sea, Barents Sea, Celtic Seas, Faroes, Greater North Sea, Icelandic Waters, Norwegian Sea and Oceanic Northeast Atlantic) and by gear type (Beam trawls, Bottom otter trawls, Bottom seines, Dredges, Pelagic trawls and seines, Static gears). Fishing effort data are only shown for vessels >12 m having vessel monitoring systems (VMS); ii) the average annual subsurface (top) and surface (bottom) mobile bottom contacting fishing gear (i.e. bottom otter trawls, bottom seines, dredges, beam trawls) disturbance by ecoregion in the Bay of Biscay and the Iberian Coast, Baltic Sea, Barents Sea, Celtic Seas, Faroes, Greater North Sea, Icelandic Waters, Norwegian Sea and Oceanic Northeast Atlantic, expressed as average swept-area ratios (SAR). Due to data confidentiality issues, VMS/logbook data are anonymized and aggregated in a 0.05×0.05 degree grid prior to submission to ICES, using the C-squares geocode system (polygons). The last data loaded into the database, from the ICES 2024 Fishing Overview update or revision (where available), report the 2019-2022 averages. Historical data area also included in the database, starting from the 2020 fishing overview, and reporting the 2015-2018, 2017-2020, 2018-2021, and 2019-2020 averages.

Simple

Date (Publication)	2020-02-26
Date (Revision)	2025-03-03
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Citation identifier	EMODnet_HA_Fisheries_Fishing_Intensity_20250303

Point of contact	Organisation name	Individual name	Electronic mail address	Role
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	ICES		info@ices.dk	Resource provider

GEMET - INSPIRE themes, version 1.0	• Agricultural and aquaculture facilities
GEMET - Concepts, version 2.4	• Fisheries
GDI-Vlaanderen Trefwoorden	• Metadata GDI-VI-conform
Access constraints	Other restrictions
Other constraints	No limitations on public access
gmd:useconstraints	otherRestrictions
Other constraints	Creative Commons CC-BY 4.0 https://creativecommons.org/licenses/by/4.0/
gmd:useconstraints	otherRestrictions
Other constraints	This data was downloaded from the EMODnet Portal (https://emodnet.ec.europa.eu/en/). The data originator is Cogea Srl.
Spatial representation type	Vector

Language	English
Topic category	• Economy

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Begin date	1950-01-01
End date	2016-12-31
Reference system identifier	EPSG:4326
Reference system identifier	ISO 19108 calendar
Distribution format	**Name** **Version** Esri geodatabase Esri shapefile
Transfer size	0

OnLine resource	Protocol	Linkage	Name
	WWW:LINK	https://emodnet.ec.europa.eu/en/human-activities	EMODnet Human Activities
	WWW:DOWNLOAD	https://ows.emodnet-humanactivities.eu/geonetwork/srv/api/records/d57fbdea-489e-4e11-9ff1-f0f706cfe783/attachments/EMODnet_HA_Fisheries_FishingIntensity_20250303.zip	EMODnet_HA_Fisheries_FishingIntensity_20250303.zip
	OGC:WMS	https://ows.emodnet-humanactivities.eu/wms?	fishingbeamtrawls
	OGC:WMS	https://ows.emodnet-humanactivities.eu/wms?	fishingbottomottertrawls
	OGC:WMS	https://ows.emodnet-humanactivities.eu/wms?	fishingbottomseines
	OGC:WMS	https://ows.emodnet-humanactivities.eu/wms?	fishingdredges
	OGC:WMS	https://ows.emodnet-humanactivities.eu/wms?	fishingpelagic
	OGC:WMS	https://ows.emodnet-humanactivities.eu/wms?	fishingstaticgears
	OGC:WMS	https://ows.emodnet-humanactivities.eu/wms?	fishingsubsurface
	OGC:WMS	https://ows.emodnet-humanactivities.eu/wms?	fishingsurface
	OGC:WFS	https://ows.emodnet-humanactivities.eu/wfs?	emodnet:fishingbeamtrawls
	OGC:WFS	https://ows.emodnet-humanactivities.eu/wfs?	emodnet:fishingbottomottertrawls
	OGC:WFS	https://ows.emodnet-humanactivities.eu/wfs?	emodnet:fishingbottomseines
	OGC:WFS	https://ows.emodnet-humanactivities.eu/wfs?	emodnet:fishingdredges
	OGC:WFS	https://ows.emodnet-humanactivities.eu/wfs?	emodnet:fishingpelagic
		https://ows.emodnet-humanactivities.eu/wfs?	

OGC:WFS			emodnet:fishingstaticgears
OGC:WFS	https://ows.emodnet-humanactivities.eu/wfs?		emodnet:fishingsubsurface
OGC:WFS	https://ows.emodnet-humanactivities.eu/wfs?		emodnet:fishingsurface

Hierarchy level	Dataset

Conformance result

Title	COMMISSION REGULATION (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata
Date (Publication)	2008-12-04
Explanation	See the referenced specification

Conformance result

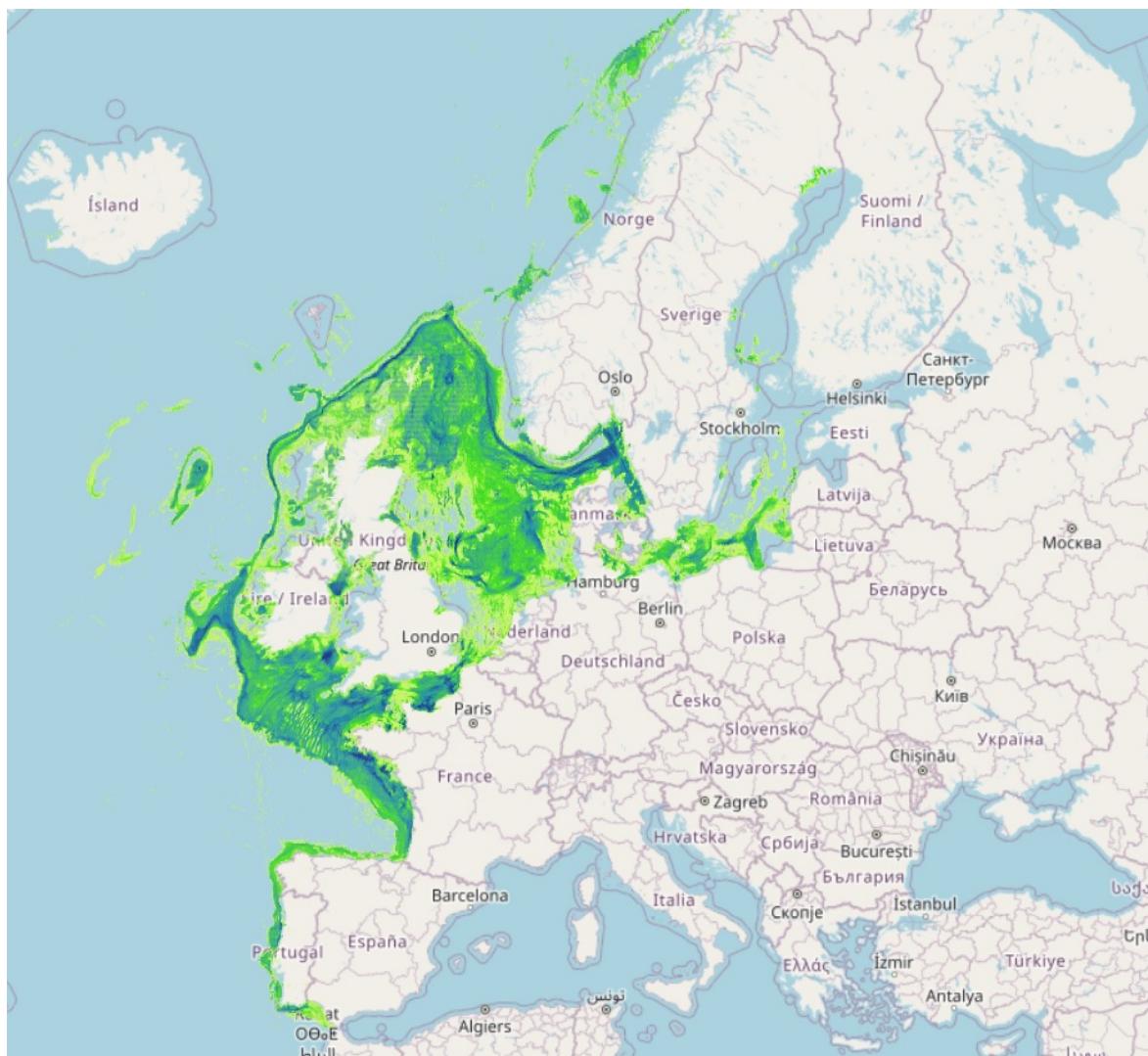|	
Title	Corrigendum to INSPIRE Metadata Regulation published in the Official Journal of the European Union, L 328, page 83
Date (Publication)	2009-12-15
Explanation	See the referenced specification

Conformance result

Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	Validation and quality assurance remain up to primary data sources, e.g. ICES, while the harmonization is carried out by Cogea. For further information on validation and quality assurance, it is suggested that primary data sources are contacted. Generally speaking data are to be considered very reliable, because they come from the source officially in charge for their collection.The yearly Ecoregions ICES's data (shapefiles) on fishing intensity are harmonized, imported into a single geodatabase, organised in two different tables (Effort: Average MW fishing hours by gear type, SAR: Average surface and subsurface swept area ratio) and a single C-Squares feature class (polygons). The tables are related to the feature class via relationship classes (C-square field). Date fields have also been added. All information is pre-validated by ICES.

Metadata

File identifier	d57fbdea-489e-4e11-9ff1-f0f706cfe783 XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2025-09-03T10:24:16.11653Z
Metadata standard name	ISO19115
Metadata standard version	2003/Cor.1:2006

Metadata author	Organisation name	Individual name	Electronic mail address	Role

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Point
of
contact

Overviews

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