

Grant Agreement no: 817669

Acronym: MEESO

Project title: Ecologically and economically sustainable mesopelagic fisheries

H2020 project

Call: H2020-BG-2018-2020 (Blue Growth)

Topic: LC-BG-03-2018

Starting date: September 1, 2019

Duration: 48 months

D1.2

Title: Report on metadata catalogue for data resources

Date: August 2020

Organization name of lead participant for this deliverable: International Council for the Exploration of the Sea (ICES)

Dissemination level		
PU	Public	
CO	Confidential, only for members of the consortium (incl the Commission Services)	

Deliverable number:	D1.2
Deliverable title:	Report on metadata catalogue for data resources
Work package:	WP1
Lead participant:	ICES

Authors		
Name	Organisation	E-mail
Vaishav Soni	ICES	Vaishav.soni@ices.dk
Periklis Panagiotidis	ICES	Periklis.Panagiotidis@ices.dk

*corresponding authors

Keywords
Metadata catalogue, acoustic data, INSPIRE, FAIR

Executive Summary
<p>The MEESO project deliverable D1.2 <i>Report on metadata catalogue for data resources</i> is closely associated with the outputs of deliverable D1.3 on <i>Transfer of data to international data collection organizations</i>. The aim of deliverable D1.2 is to facilitate making every datatype metadata record associated to MEESO available in the ICES metadata catalogue system. For this, MEESO partners responsible for the data collection will update the metadata catalogue with all information once the actual data collection takes place.</p> <p>During the task 1.1 Data management workshop held on 18-20 February 2020, MEESO data collectors received training on the ICES metadata catalogue structure, guidelines, and practical exercises on how to insert new metadata records, how to validate them and make them INSPIRE-compliant. During the workshop's practical session a few metadata entries were already inserted as draft versions by MEESO partners in the catalogue https://gis.ices.dk/geonetwork.</p> <p>Identifying the different data types, and homogenizing the MEESO records in the ICES metadata catalogue is one of the objectives of D1.2 in order to get a structured documentation about the available datasets and services. The meta catalogue, and template for meta data will help data providers capture information about their data collection efficiently and consistently, thus enabling users to easily find and access datasets matching their needs. All future metadata information will be available on the metadata catalogue faceted search (filtered view).</p>



Contents

1 ICES metadata catalogue.....	4
2 MEESO metadata at ICES metadata catalogue in project life cycle.....	5
Annex 1. Template for MEESO metadata record	6



1 ICES metadata catalogue

All underlying datasets have to be accompanied by metadata records to allow data to be discovered. These records are going to be stored in the metadata catalogue maintained by ICES. All metadata information in the MEESO project have to be publicly available and easily discoverable. The catalogue can be found at this url: <https://gis.ices.dk/geonetwork>. The catalogue supports all the common standards for metadata (ISO19115, ISO19119, ISO19139 etc.) and it has all INSPIRE functionalities enabled (validation, editor, viewer).

Metadata are important for the project for a number of reasons. They provide information on where and how to access the data in question. For example which institute is providing them, what format are they in or how they can be used. Furthermore, generating metadata records and storing them within a single catalogue will significantly increase the accessibility and discoverability of the data with the use of key words, DOIs and persistent urls. This is especially important for data that are not hosted by ICES as they can still be accessed through their metadata via a single portal.

Prior to the workshop held in January 2020 a template (ANNEX 1) was created specifically for the project. The template aims to facilitate the data submitters to edit and validate their records according the INSPIRE directive requirements. The users can also create and edit metadata records without publishing them. This allows the data providers to record information about data records that are yet to be completed – giving the project team an overview of what is, and will be, available. Metadata of biological and acoustic, biochemical and oceanography, fishing industry and interview dataset will follow FAIR principle.



2 MEESO metadata at ICES metadata catalogue in project life cycle

Currently there are two records in relation to MEESO, both in draft form. Since they are not complete they can only be accessed by the editors.



During the next phases of the project as more data are identified/gathered, metadata records will be created by the MEESO partners. With support from ICES, these records will be then quality controlled and validated against the INSPIRE requirements. When all the quality checks have been applied, the records will then be published and publicly available and linked via the MEESO and ICES websites.



Annex 1. Template for MEESO metadata record

Identification info

Title * Template for MEEBO

Date * Publication 01/01/2011 11:10 AM ☺ ☻

Edition 2010/11

Citation identifier

Code *

Presentation form Digital profile ▾

Abstract * Some Abstract

Purpose Purpose

Status On going ▾

Point of contact



Organisation name	Individual name	Electronic mail address	Role
ORG	Name	admin@ices.dk	Point of contact ▾

+ Add contact 🔍 Search for a contact ...


Maintenance and update frequency * Continual ▾

Contact + Add maintainer 🔍 Search for a contact ...

▼ Graphic overview

Keyword	ICES
	MEESQ
	
Type	Theme
Keyword	North Sea
	Baltic Sea
	Northeast Atlantic
	
Type	Place

GMET - DSPRE themes, version 1.0

 Choose keywords from thesaurus + Add new keywords

▼ Resource constraints

Use limitation	Data is available under the terms of the ICES Data Policy (See: http://ices.dk/marine-data/guidelines-and-policy/Pages/ICES-data-policy.aspx)
Access constraints	Other restrictions
Use constraints	Other restrictions
Other constraints	Data is available under the terms of the ICES Data Policy (See: http://ices.dk/marine-data/guidelines-and-policy/Pages/ICES-data-policy.aspx)

Spatial representation type: Text, table

Spatial resolution: +

Language: eng

Character set: UTF8

Topic category: [Media](#) [Search](#)

~ Extent

~ Temporal Extent

Begin date: 1965-01-01T14:03:00

End date: mm/dd/yyyy

~ Extent

~ Geographic bounding box

Choose a region [Draw extent](#)

WGS84 (EPSG:4326)

-61.05468392 W 76.20650311 N 55.66406608 E 34.80593094 S

OpenStreetMap contribution

~ Reference System Information

Unique resource identifier * WGS 1984

~ Distribution Information

~ Distribution format

Name	Version
ZP	1

Distributor +

~ OnLine resource

Protocol	Linkage	Name
WWW/LINK-1.0-http-related	Recommended values	http://urlToDataset.com
		ICES data portal

~ Data quality info

Hierarchy level * Dataset

~ Domain consistency

~ Conformance result

Title * COMMISSION REGULATION (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament

%URL http://data.europa.eu/eli/reg/2010/1089

Full reason Link type

Date * Publication 12/09/2010

Explanation * This data set is conformant with the INSPIRE Implementing Rules for the interoperability of spatial data sets and services

Lineage

Statement

ICES is a receiver of Marine Data from national [programmes](#) and other marine institutes, therefore ICES is not the primary collection point of marine evidence that it holds and disseminates to the users of the data.

Data are quality assured using internal and external [programmes](#). For example, the national laboratories that take part in monitoring [programmes](#) related to contaminants and biological effects that submit information to ICES, subscribe to the Quality Assurance of Information for Marine Environmental Monitoring in Europe (QUASIMEME) or the Biological Effects Quality Assurance in Monitoring [Programmes](#) (BECQAM). Inter-laboratory proficiency-testing schemes and perform internal quality assurance. ICES operates through a network of scientific expert and advisory groups. These groups, and the processes they feed into, act as a quality check on the marine evidence, both in terms of how the evidence was gathered and how the evidence has been subsequently treated. The groups, in cooperation with regional [programmes](#) under the Regional Sea Conventions, set standards and guidelines for the collection, transmission and analysis of these data.

In addition, the ICES Secretariat provides supplementary quality assurance through its internal [programmes](#) related to the different types of marine data collection datasets, which is [feedback](#) to the participating national and regional [programmes](#). These internal and external [programmes](#) and procedures have been established over a period of 30 or more years. They continue to evolve and strive to reflect the best available practices in the collection and treatment of marine data relevant to the ICES community.

Metadata

File identifier

3549063e-b794-4a36-90a7-ed2d59982136

Metadata language

eng

Character set

UTF8

Hierarchy level

Dataset

Date stamp *

2020-08-27T10:31:57

Metadata standard name

ISO 19115 2003/19139

Metadata standard version

1.0

Contact

Organisation name

ICES

Individual name

ICES Data manager

Electronic mail address

accessions@ices.dk

Role

Point of contact

Add contact

Search for a contact