



Norwegian Marine Data Centre

WP5

Data Catalogue

D5.3 – Online Data Catalogue - prototype

Revision: 0.2 /AM
Date: 2015-09-28

Revision history

Version	Date	Comment	Responsible
0.1	2015-07-01	First version of prototype	Arnfinn Morvik
0.2	2015-09-28	Updated version	Arnfinn Morvik

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Introduction

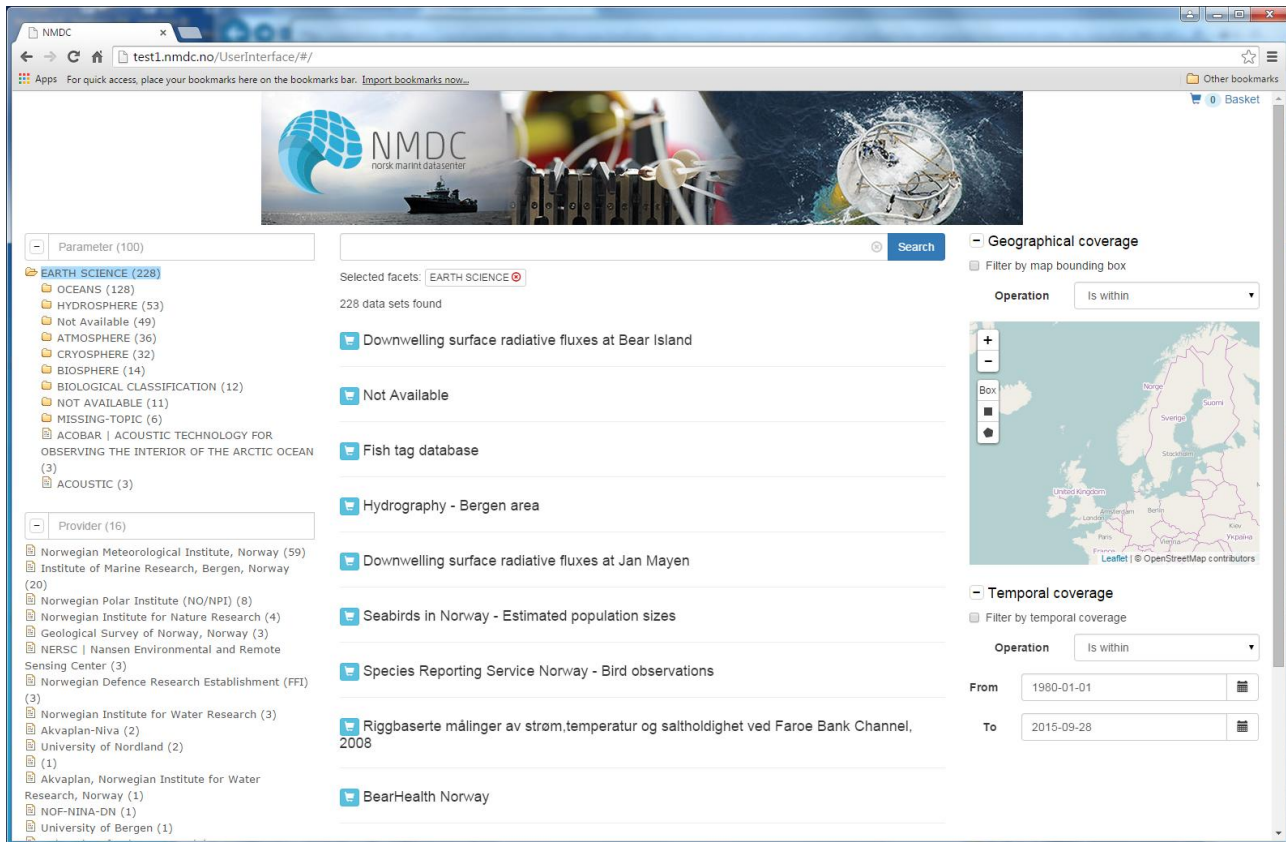
This document describes the prototype of the Online Data Catalogue

Applicable documents

- [1] NMDC System Requirements
- [2] NMDC Architecture Design Document
- [3] NMDC Use Cases
- [4] NMDC Data format and metadata structure
- [5] DMDC Data Catalogue Design

Online Data Catalogue

This is an update of the first version of the Online Data Catalogue. Development has been performed by CMR.



Issues resolved since presentation of first version on the NMDC yealy project meeting in Nordheimsund 25-27 August:

- Parameter list is hierarchical.
- Datasets are listed by title only. More details are available by selecting the dataset.
- Parameter search with word prediction
- Map is updated and reset to show area of selected dataset

Below shows screendump where one dataset in the list is selected. Boundingbox of the dataset is shown in the map.

Below this is a screendump of the dataset details. Dataset(s) can be downloaded from the list of URL's

The screenshot shows the NMDC web interface with search results for 'COASTAL PROCESSES' and 'FJORDS'. The left sidebar lists various categories like 'EARTH SCIENCE (228)', 'OCEANS (128)', and 'HYDROSPHERE (53)'. The main content area displays 5 data sets found, including 'Hydrography in the Salten area, Northern Norway, between 1994 and 2005', 'Løssassemektighet, Oslofjord', 'Marine biotoper i Sør-Troms', 'CTD data Kongsfjorden', and 'Ecological role of polar cod in the marine food web of Kongsfjorden (MariClim)'. A map on the right shows the geographical coverage of the results.

The screenshot shows the details page for 'Marine biotoper i Sør-Troms'. The page includes a metadata table with the following information:

Entry_ID	MGMarinBiotopSorTroms
version	1513505437344858112
Data_URL_Type	[GET DATA GET SERVICE GET SERVICE , GET DATA GET SERVICE GET SERVICE , GET DATA GET SERVICE GET SERVICE]
Start_Date	Thu Jun 14 02:00:00 CEST 2012
PersonFirstName	[Aave]
Data_URL	ftp://ftp.ngu.no/pub/NMDC/BiotopSorTroms.zip http://www.mareano.no/kart/mareano.html?language=no#maps/649 http://geo.ngu.no/mapserver/MarineGrunnkartWMS?
PersonLastName	[Lepland]
Entry_Title	Marine biotoper i Sør-Troms
Data_Summary	Biotoper i Sør-Troms. En biotop er et område med en bestemt sammensetning av plante- og dyrearter som lever under ensartede miljøforhold. Datasettet er blitt laget av NGU i samarbeid med 12 kommuner i Sør-Troms, og er en av mange produkter av Astafjordprosjektet. Klassifiseringen er basert på Naturtyper i Norges (NIN) retningslinjer for klassifisering på natursystem-nivå (Halvorsen et al., 2009).
Parameter	[EARTH SCIENCE>BIOSPHERE>AQUATIC ECOSYSTEMS>MARINE HABITAT, EARTH SCIENCE>OCEANS>MARINE SEDIMENTS, EARTH SCIENCE>OCEANS>COASTAL PROCESSES>FJORDS, EARTH SCIENCE>OCEANS>OCEAN TEMPERATURE>WATER TEMPERATURE]
Provider	[Geological Survey of Norway, Norway]
location_rpt	POLYGON((17.91 68.52,15.7 68.52,15.7 69.68,17.91 69.68,17.91 68.52))

Below the table, there is a 'Go to search' button and a footer containing logos of various research institutions and partners, including HAVFORSKNINGSINSTITUTTET, Akvaplan, CMR, FFI, Forsvarets forskningsinstitutt, NINA, Meteorologisk institutt, NORSK METEOROLOGISKE Tjeneste, GEOLOGICAL SURVEY OF NORWAY, NIVA, UNIVERSITETET I BERGEN, and ARTSDATABANKEN.