

The UK Marine Environmental Data and Information Network – MEDIN

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“Measure once use many times”

How Does MEDIN Help YOU?

www.oceannet.org



How Does MEDIN Help You?

MEDIN aims to save you time and money, by:

- Making it easier to search for and access marine data (source data, and reference data layers).
- Making it easier for you to make your data available for re-use.
- Providing long term data management.
- Helping you meet obligations for INSPIRE and data.gov.uk.
- Helping to coordinate monitoring programmes, and share resources

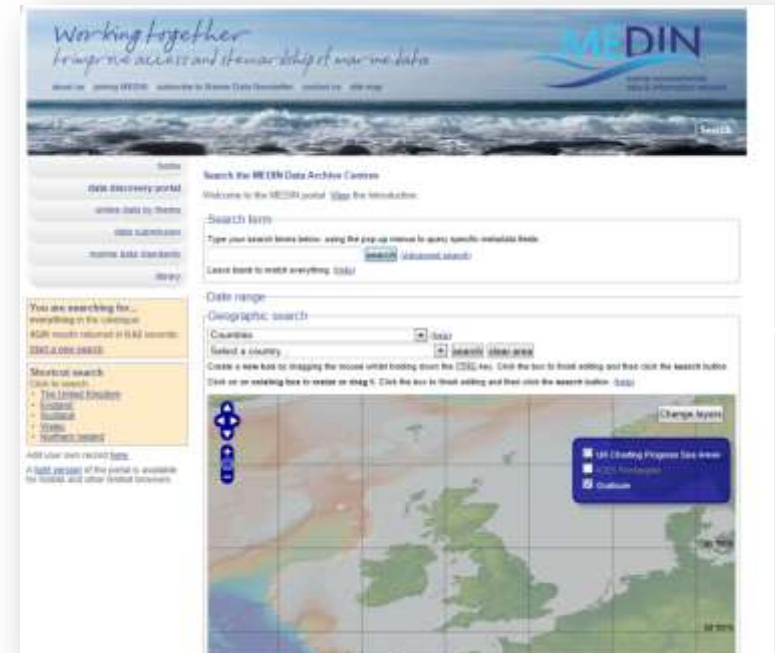
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MEDIN Discovery portal

- “A single point of access for UK marine data and information”
- The MEDIN Discovery portal offers a metadata discovery service providing users with access to a well-balanced, authoritative and comprehensive marine metadata catalogue
- Holds ~5000 discovery metadata records

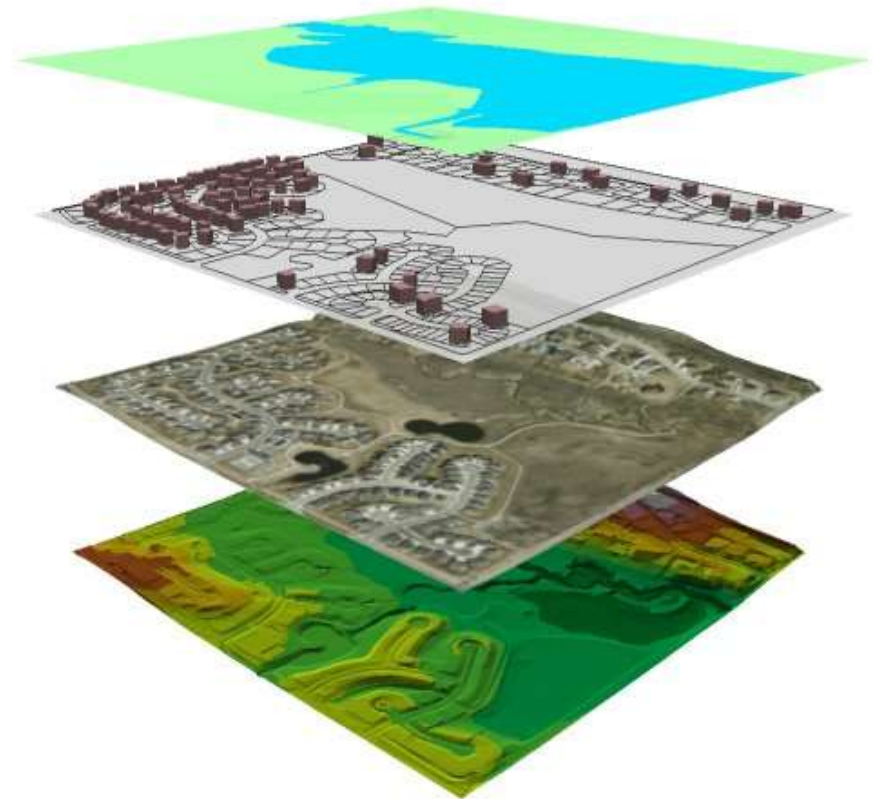


Reference Data Layers

• MEDIN is building a catalogue of “reference” data layers, available via an Open Government Licence:

- Base reference data layers
- Application specific datasets of general interest e.g: species distributions.

Plus links to data layers from other sources



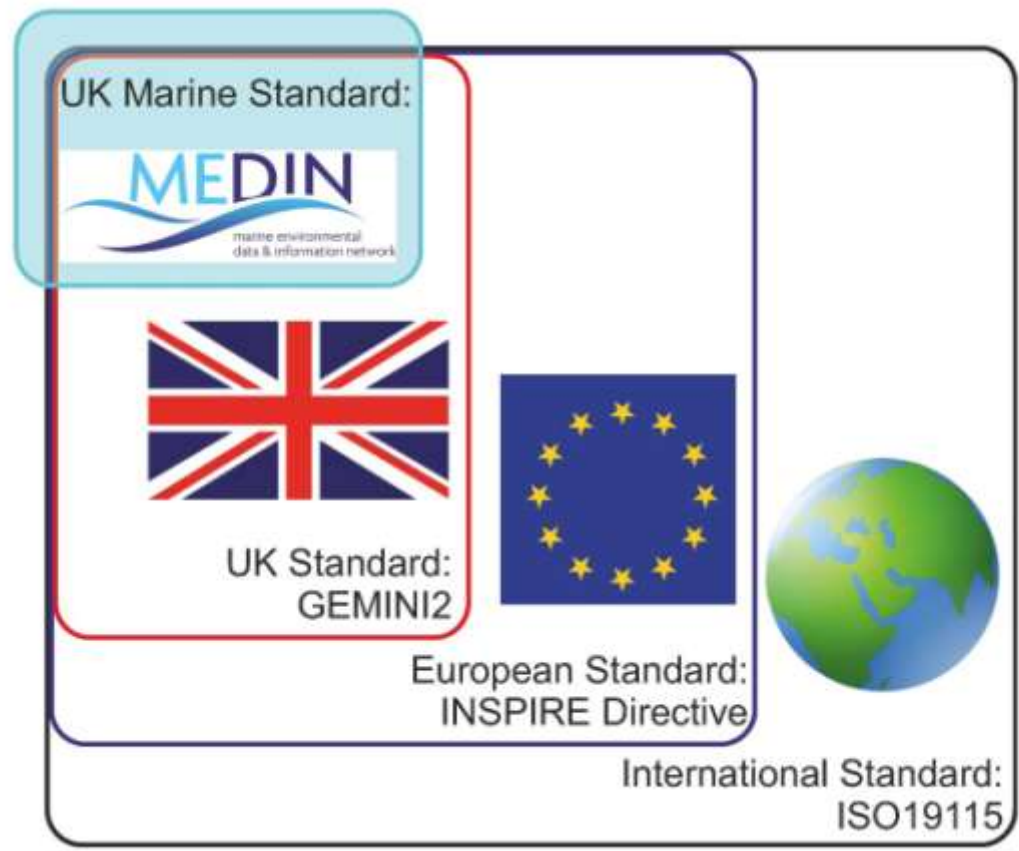
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MEDIN Discovery Metadata Standard

Widely adopted discovery metadata standard
3 tools to produce MEDIN discovery metadata
Metadata Helpdesk
Workshops



MEDIN Data Guidelines

Data Archive Standards

What information should be provided with a dataset to ensure it can be used by others

25 data guidelines for different methods

General Metadata common to all guidelines

Detailed Metadata specific to particular method

Product guidelines

Seabed Survey Data Products



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Data Archive Centres (DACs)



DAC Network Objective

To provide secure long-term storage for marine data

To provide the capability to upload and retrieve data

Contributors have free access to their data within the DAC framework

To make available clear, searchable information on their data holdings, through the MEDIN portal

Focus of expertise for the management of marine data

The MEDIN DAC Network



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Seabed and sub-seabed geology, geophysics

British Geological Survey (BGS)



Marine flora, fauna and habitats

The Archive for Marine Species and Habitats Data (DASSH)



British Oceanographic Data Centre
NATURAL ENVIRONMENT RESEARCH COUNCIL

Water column oceanography

British Oceanographic Data Centre (BODC)



Bathymetry

United Kingdom Hydrographic Office (UKHO)



Met Office

Marine meteorology (metocean)

The Met Office



Marine historic environment

Archaeology Data Service (ADS)

marinescotland

Marine fisheries

Centre for Environment, Fisheries and Aquaculture Science (CEFAS) & Marine Scotland Science (MSS)



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Meeting INSPIRE Obligations



MEDIN is providing coordination across the Marine Sector for INSPIRE compliance.

Discovery Metadata Standard: The MEDIN standard is INSPIRE compliant and conforms to the (data.gov implementation of) the GEMINI2 profile.

Metadata Tools: To help you generate valid INSPIRE metadata records

Metadata Publishing: MEDIN will, on request, publish your metadata to data.gov.uk (and hence to INSPIRE).

View and Download Services: The MEDIN DACs are committed to providing INSPIRE compliant view and download services

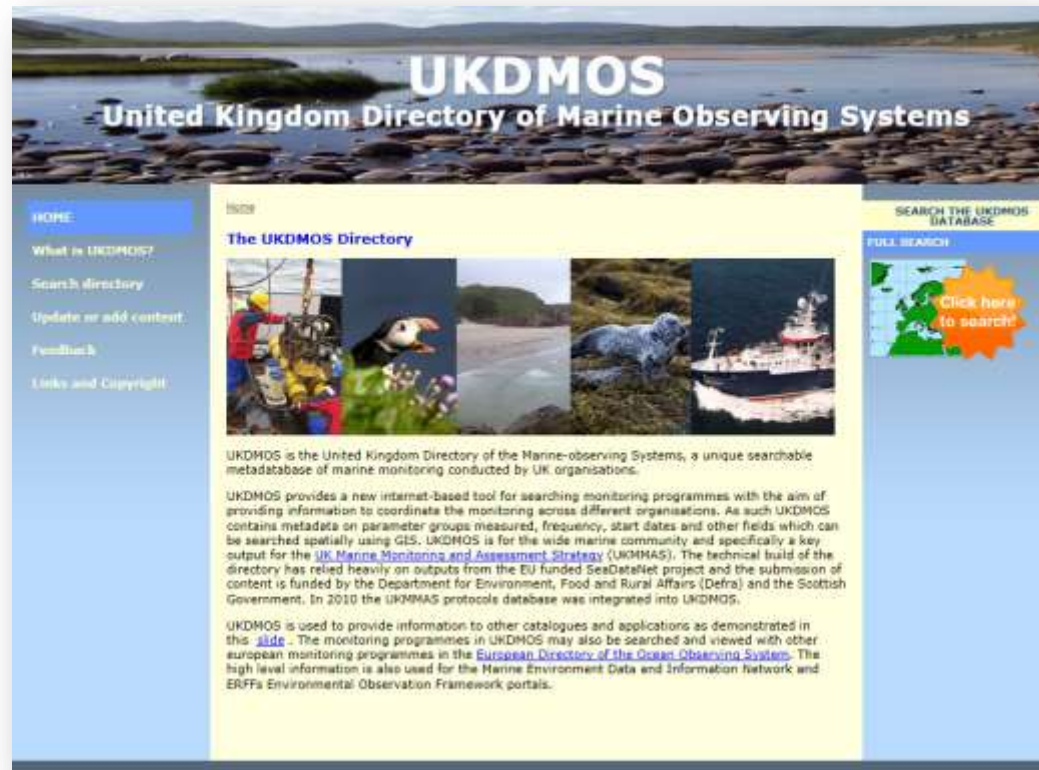
INSPIRE Data Specifications: MEDIN is monitoring the data specifications for marine data and will provide guidance.

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UKDMOS – UK Directory of Marine Observing Systems



- Searchable database of monitoring programmes carried out by UK marine organisations
- Developed to help coordinate and plan marine monitoring in the UK.
- <http://www.ukdmoss.org>

MEDIN

*Helping to share data, meet policy requirements and
save money*

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