MEDIN
marine environmental data & information network

An open partnership reporting directly to the MSCC

Sponsors
3 Key Roles

Hub for UK Marine Data

Marine Data Standards

Expertise in Managing Data

Easier data sharing
Marine Metadata Standard

UK Marine Standard: MEDIN

UK Standard: GEMINI2

European Standard: INSPIRE Directive

International Standard: ISO19115
### Data Archive Centres (DACs)

<table>
<thead>
<tr>
<th>Seabed and sub-seabed geology, geophysics</th>
<th>Marine meteorology (metocean)</th>
<th>Water column oceanography</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bathymetry</td>
<td>Marine flora, fauna and habitats</td>
<td>Marine historic environment</td>
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Marine fisheries
The British Oceanographic Data Centre

How can we help?

http://www.bodc.ac.uk/
enquiries@bodc.ac.uk
88122 data series

- are available immediately to everyone
- are available immediately for academic purposes
- are restricted to the originator and/or project for a limited time or will require negotiation before their release
• Acoustics
• Bathymetry and topography
• Currents — horizontal and vertical velocity, Lagrangian currents and water transport rates
• Meteorology — Radiosonde, Met. stations and data buoys
• Optical properties — pigments, turbidity, irradiance
• Sea level
• Water column temperature and salinity
• Water column chemistry — nutrients, carbons, oxygen
• Waves — statistics and spectra
• NERC data licences are based on the UK Open Government Licence for Public Sector Information

• Anyone is allowed to access NERC-funded data, regardless of the purpose for which they intend to use them, including commercial gain.
Who is using our data?
• Coastal Protection and design and construction of coastal defence schemes
• Wind farm assessments and water levels at offshore wind farms
• Investigating sea height variation on bird mortality at wind farms
• Modelling tidal flow for marine renewables
• Feasibility study for tidal energy project
• Calculation of oil platform mean sea level
• flood risk management
• Numerical modelling of the Mersey
• Computer modelling of design options
Working with industry

• SIMORC
• Parameter dictionary and controlled vocabularies
SIMORC objectives:

• To create a central index and database of past and present metocean data sets collected globally by the oil and gas industry

• To standardise data quality control, data format, storage and retrieval of these industry metocean datasets for use by industry partners and scientific users
- Quality control and processing of supplied data
- Securing harmonized data quality and standard QC procedures for future updates
- Coordinating the production of metadata
- Contributing to dissemination and exploitation activities