

Changing Arctic Ocean data management

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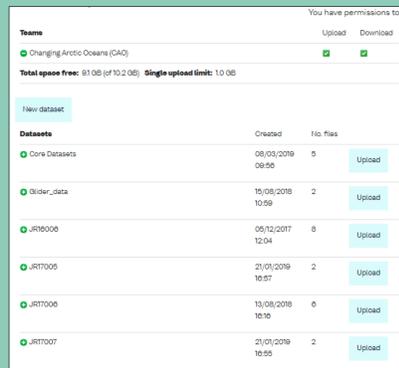
*johert@bodc.ac.uk

1 Where to submit data

- Secure file transfer (SFT) http://www.bodc.ac.uk/my_account/secure_file_transfer/
- By email (rowen@bodc.ac.uk; enquiries@bodc.ac.uk)
- Only submit the **final quality controlled version** of your data, along with **metadata**
- The metadata contextualise the dataset, and need to cover the who, what, where, when, and how

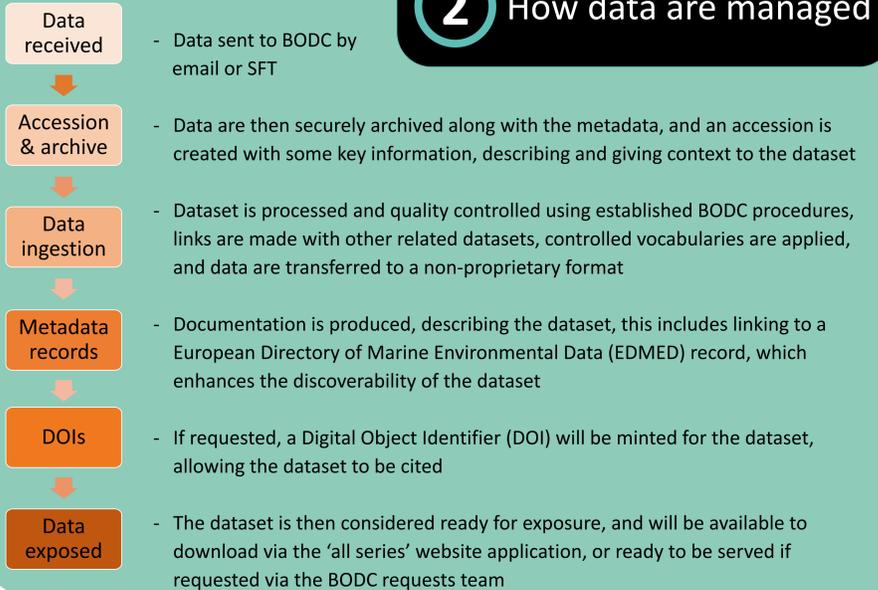
Which data types?

- CTD
- Moorings
- ADCP
- Sediment samples
- Underway
- Gliders
- Non-biology samples (nutrients, chemistry, gases, tracers)



Name	Created	No. files
Changing Arctic Oceans (CAO)		
Core Datasets	08/03/2019 08:50	5
Glider_data	15/08/2018 10:59	2
JR8006	05/12/2017 12:04	8
JR7005	21/01/2019 10:57	2
JR7006	13/08/2018 10:10	0
JR7007	21/01/2019 10:59	2

2 How data are managed



3 Digital Object Identifiers (DOIs)

The BODC 'Published Data Library' provides snapshots of specially chosen datasets that are archived using rigorous version management. This enables **citation in journal papers** through the assignment of a DOI in collaboration with the British Library.

There is increasing pressure from the scientific community for an intimate **linkage** between **papers** published in the scientific literature and the **data** upon which they are based, and for a mechanism to **reward data collection** through citation.

The publication process exposes a **fixed copy** of an object and then manages that copy in such a way that it may be located and referred to over an **indefinite period of time**. There is a fundamental assumption that the copy of the object will be exactly the same each time it is referenced.

- Provides a **persistent** link to your dataset
- Allows **credit** to be attributed to your work
- Allows data **reuse** and **interoperability**
- Currently **42** downloads from the **23** Changing Arctic Ocean DOIs

4 Dataset status

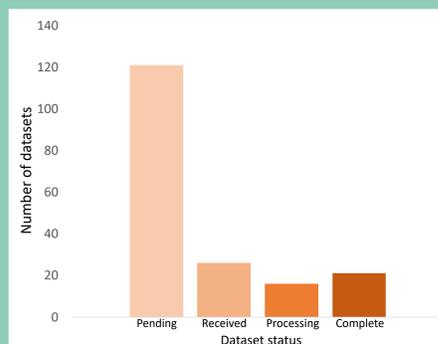


Fig. 1. Number of Changing Arctic Ocean datasets submitted to BODC, anticipated, in processing, and those available to download

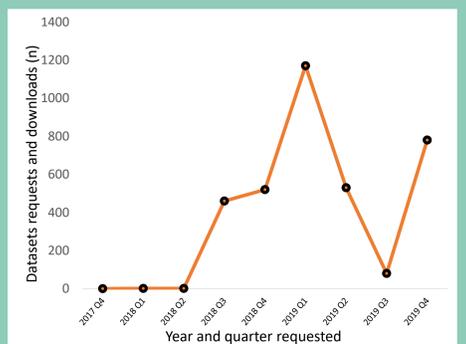


Fig. 2. Number of Changing Arctic Ocean datasets downloaded and requested from BODC

5 How to discover &/or request data

Data are available and discoverable in a number of ways. On demand data downloads can be serviced through the web as detailed below. Alternatively, data can be requested from the CAO data manager as the first port of call for manual requests (rowen@bodc.ac.uk) or through the BODC requests team (enquiries@bodc.ac.uk)

A European Directory of Marine Environmental Data (EDMED) record has been created, grouping together all CAO data submitted to BODC:

<https://www.bodc.ac.uk/resources/inventories/edmed/report/6777/>

Datasets that contribute to time series are made available through the 'All data series' online application as a data collection:

https://www.bodc.ac.uk/data/bodc_database/nodb/data_collection/6777/

DOIs minted by BODC are discoverable via the Published Data Library:

https://www.bodc.ac.uk/data/published_data_library/



Changing Arctic Ocean Programme Oceanographic dataset (2017-present)

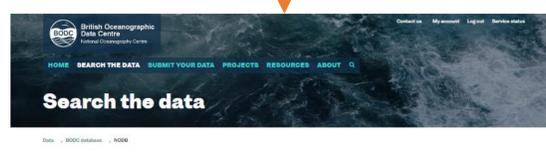
Data set information

Query EDMED

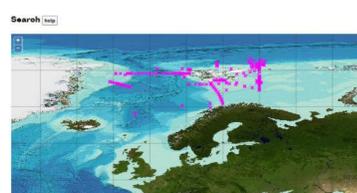
Contact

Data holding: British Oceanographic Data Centre

- QUICK LINKS
- BODC holdings
- On-line inventory



All data series



- QUICK LINKS
- CTD profiles
- Current meter series
- Glider inventory
- Samples data
- Wave data series



Published Data Library (PDL) catalogue

This catalogue provides access to snapshots of specially chosen datasets that are archived using rigorous version management. This enables citation in journal papers through the assignment of a Digital Object Identifier (DOI) in collaboration with the British Library.

Not all data held at BODC have been allocated DOIs. The data within a DOI are freely available. Please see where to find data for more information about BODC's other data holdings.

Your search criteria

Please use the search tab filters below or an independent [Eas Sea Search](#) to find data sets of interest.

- QUICK LINKS
- UK Tide Gauge Network
- Historical UK tide gauge data
- International sea level
- Historical BPR data