

Changing Arctic Ocean Data Management

Robyn Owen
BODC Data Manager
rowen@bodc.ac.uk

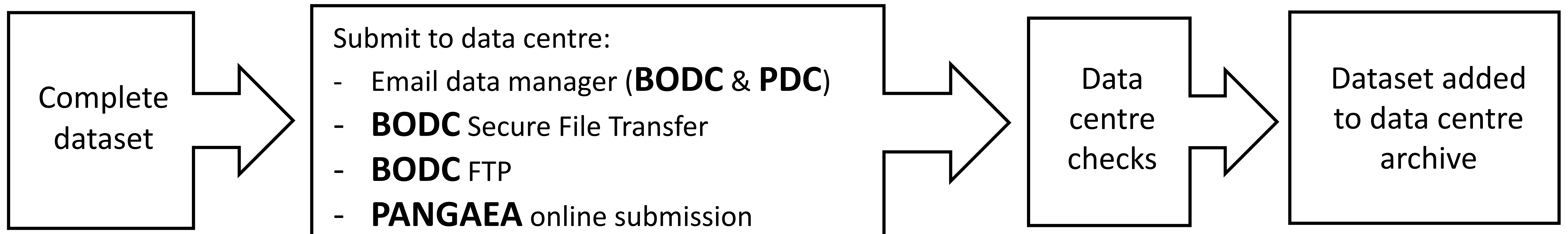


British Oceanographic Data Centre
NATURAL ENVIRONMENT RESEARCH COUNCIL

Joana Beja
BODC Data Manager
joja@bodc.ac.uk

Data generated in the Changing Arctic Ocean programme will be managed between three data centres: British Oceanographic Data Centre, Polar Data Centre (PDC-BAS) and PANGAEA. The data centre hosting the data will depend on the funding body and data type. Each data centre will apply in house procedures and make the dataset discoverable online.

DATA SUBMISSION



Which Data Centre?

Examples of some of the data types that will be hosted at each data centre are:

- Biological samples (trawls, nets)
- Cryosphere
- Bathymetry
- Acoustics

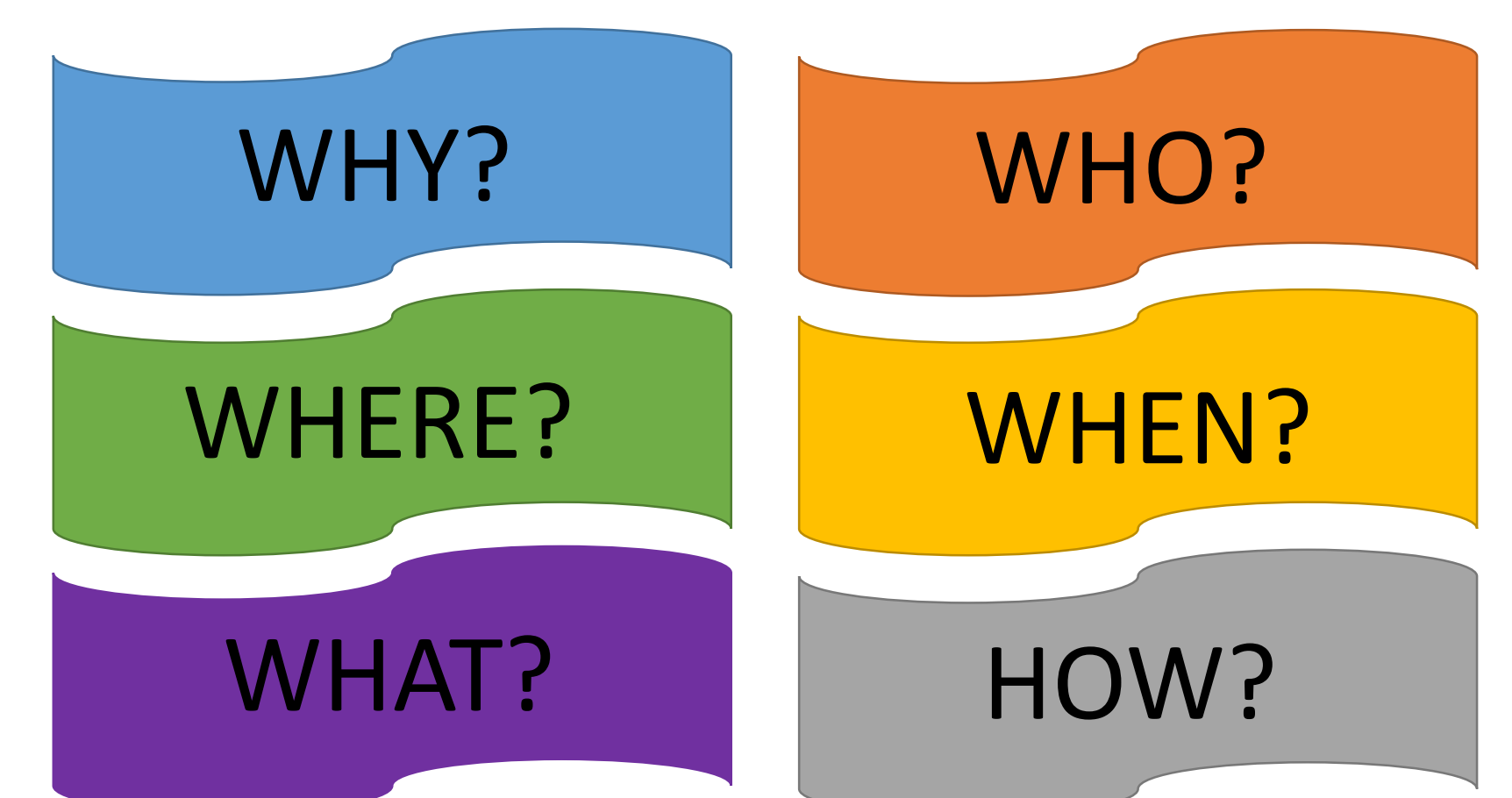
- Physical oceanography
- Non-biology samples (nutrients, chemistry, gases, tracers)
- Sediment samples
- Atmospheric (from ship)

- Data funded by the Federal Ministry of Education and Research (BMBF)



Data submissions must include both data and full

metadata.



BODC Data Management

Quality Control

Data ingested by BODC go through a number of quality control steps and checks completed by the Data Manager using software developed by BODC.

Controlled Vocabularies

BODC is home to the NERC Vocabulary Server and all data ingested by BODC have controlled vocabularies applied.

Metadata Standards

Data must be accompanied by comprehensive metadata to ensure the data can be reused and made discoverable.

Data Portal & Publication

Data ingested by BODC are made available through the BODC website where users can discover, select and download data. Data are also published through the *Published Data Library* where citations for datasets are requested.

DISCOVERABILITY

CAO data submitted to **BODC** will be available at https://www.bodc.ac.uk/data/bodc_database/nodb/data_collection/6777/.

BODC minted DOIs will be discoverable at https://www.bodc.ac.uk/data/published_data_library/.

For requests for samples data or general enquiries please email your data manager contact or enquiries@bodc.ac.uk.

PDC Discovery Metadata System (DMS) - <https://data.bas.ac.uk/>. Data requests can made through DMS or by emailing polardatacentre@bas.ac.uk.

PANGAEA data portal - <https://www.pangaea.de/>.