



**National
Oceanography
Centre**

**British
Oceanographic
Data Centre**

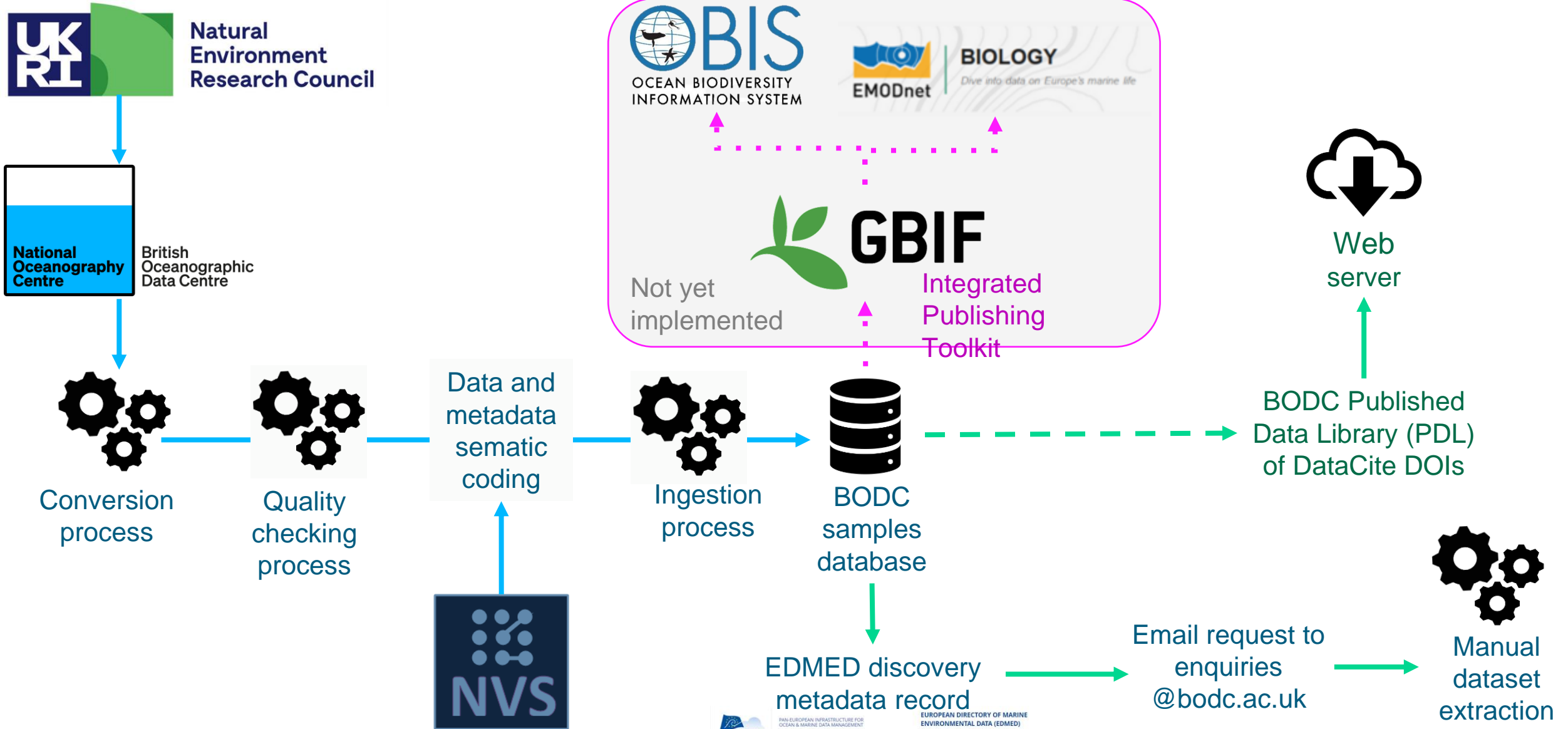
**PIPELINE FOR BIODIVERSITY DATA
FROM THE BRITISH OCEANOGRAPHIC
DATA CENTRE (BODC) TO THE OBIS
NETWORK AND EMODNET**

CURRENT CHALLENGES

- Lack of in-house skills and knowledge about the DwCA format and OBIS.
- BODC's infrastructures and data workflows are ill equipped to support biodiversity data management according to modern international standards.
- We do not currently have an operational crosswalk between our database schema and vocabularies, and DwCA format.



CURRENT SITUATION FOR BIODIVERSITY DATA AT BODC



OBJECTIVES

- To train and empower additional members of staff in the management of biodiversity data.
- To re-activate our instance of the GBIF Integrated Publishing Toolkit (IPT) currently hosted at VLIZ (<http://ipt.vliz.be/bodc/>) or install a new instance in-house (pros and cons to be evaluated).
- To create a crosswalk between BODC's database schema, vocabularies and the DwCA format.
- To create an automated pipeline from BODC to OBIS UK and EMODnet biology.
- To publish at least four plankton biodiversity datasets (abundance, biomass, and ancillary data) to OBIS as a test of the new pipeline.
- To enable BODC to become a regular contributor of biodiversity data to OBIS.



DATASETS

Plankton composition, abundance and biomass data from:

- **Marine Productivity Programme** Dataset (2000-2002)
(<https://edmed.seadatanet.org/report/222/>)
- **Atlantic Meridional Transect** Dataset
(<https://edmed.seadatanet.org/report/207/>)
- **Plymouth Marine Laboratory Bristol Channel Project** Dataset (1971-1983)
(<https://edmed.seadatanet.org/report/586/>)
- **PROcesses of Vertical Exchange in Shelf Seas (PROVCESS)** Dataset (1998-1999)
(<https://edmed.seadatanet.org/report/203/>)





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CREATING A SUSTAINED PIPELINE FOR BIODIVERSITY DATA FROM BODC & NOC

This initiative will allow us to fulfil our goal of improving the FAIRness of our biological data holdings and will enable current and future biodiversity data from UK-funded oceanographic research, as well as data from our parent organization, NOC, to seamlessly reach OBIS, EMODnet, and DTO.

NOC.AC.UK