

TC_16 Description of a national marine biodiversity data archive centre

1. Background

1.1 Short description

The Marine Biological Association (MBA) coordinates the [DASSH Data Archive Centre](#), which is a national facility for the archival of marine species and habitat data. It needs to be integrated with other European marine biological data (e.g., data curated by EMSO, SeadataNet, JERICO and EMBRC) as a joint contribution to EMODNET Biology, the COPERNICUS provider. This is a typical test case. It will help improve the integration and the Reference Model.

1.2 Contact

Background	Contact Person	Organization	Contact email
RI-Domain	Dan Lear	Marine Biological Association	dble@mba.ac.uk
Reference Model	Abraham Nieva, Alex Hardisty	Cardiff University	nievadelahidalgaA@cardiff.ac.uk hardistyar@cardiff.ac.uk

1.3 Use case type

Test case

1.4 Scientific domain and communities

Scientific domain

Hydrosphere

Community (see <https://envrireferencemodel.atlassian.net/wiki/x/FYAO+> for a list of communities)

Data Acquisition | Data Curation | Data Publication | Data Service Provision | Data Usage

Behavior

2. Detailed description

Objective and Impact

This use case will enable a full description of the DASSH Data Centre, and its associated services. It will facilitate integration with the EU data infrastructure, and serve as a demonstration of how the ENVRI RM could benefit other data centres within [the UK MEDIN Partnership](#).

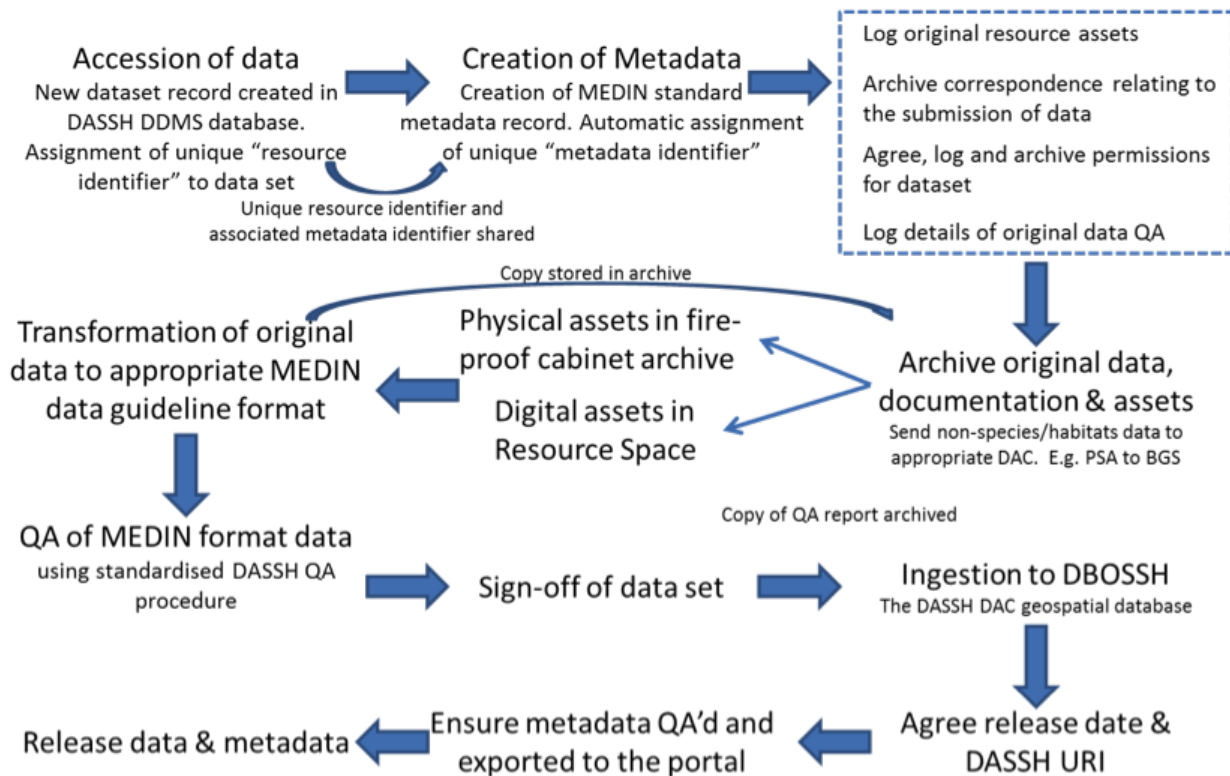
Challenges

The MBA staff involved have no prior experience with the ENVRI RM and are not ICT professionals. The implementation of the RM by domain-centric experts could highlight differences or uncertainty in definitions and terminology.

Detailed scenarios

We would like to describe the entire data flow from acquisition to publication. Existing flow diagrams are included below, with both internal and external flows and process illustrated.

Data Management Process of the MEDIN Biodiversity Data Archive Centre



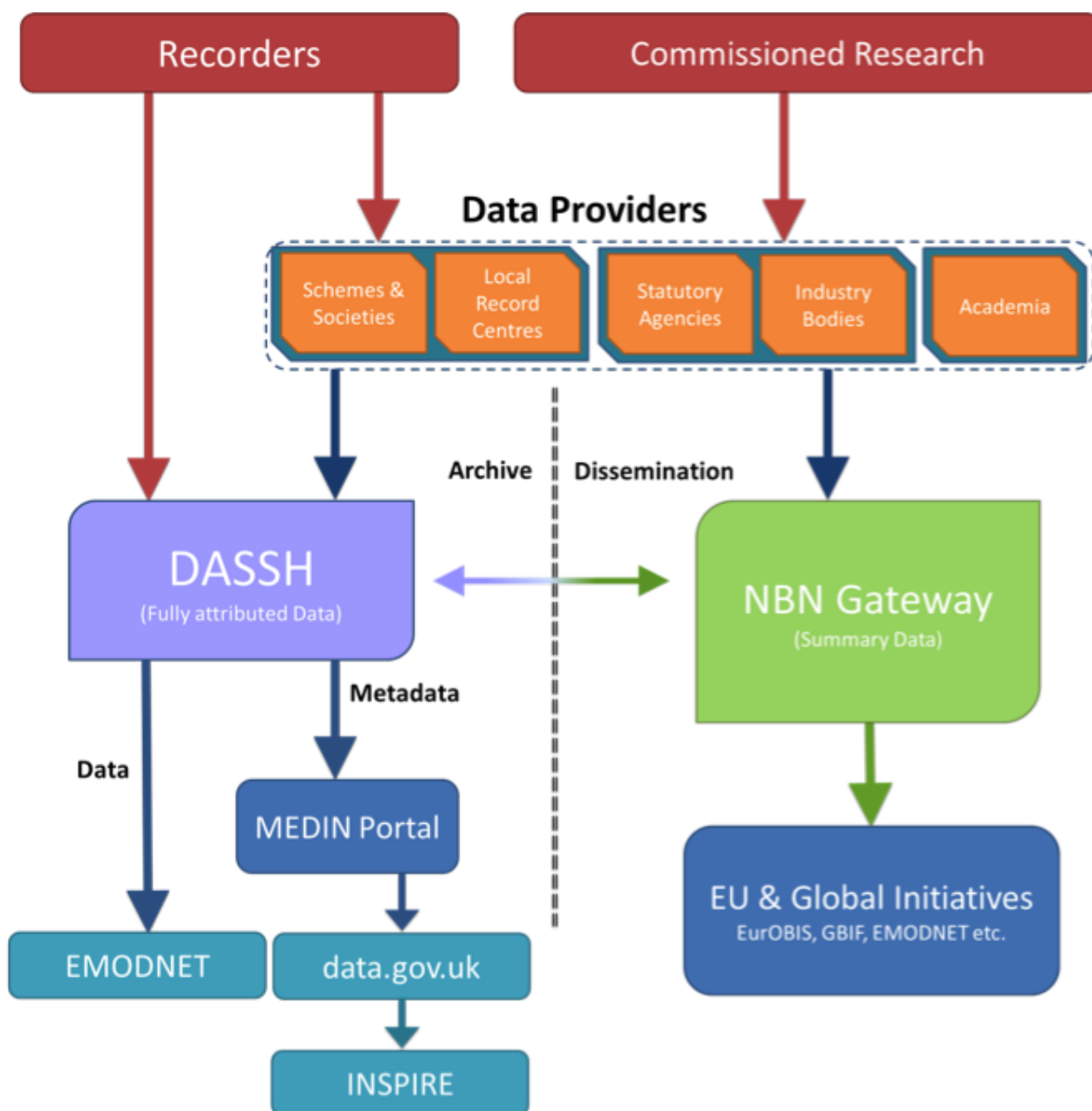


Figure 2. Recommended Data Flow within the UK

Technical status and requirements

[tbd]

Implementation plan and timetable

This use-case forms part of Task 5.2 of ENVRI+ and therefore needs to align with these deliverables. D5.2 is due at M18. This case study should form part of that deliverable. Further details to be added.

Expected output and evaluation of output

We expect a fuller understanding of the RM, how it can be implemented to describe the workings of a marine biodiversity data centre, and whether these experiences can be adopted within the wider MEDIN community. As well as a case study report, some lessons learned should also be reported.

External Links:

1. TC_16 Notebook: <https://envriplus.manageprojects.com/projects/wp9-service-validation-and-deployment-1/notebooks/650+>