

May 2019

A celebration of the 50th anniversary of BODC

MEDIN

marine environmental
data & information network

10 years of improving access to marine data

MEDIN – working in partnership

Dr Clare Postlethwaite

cfpo@bodc.ac.uk

medin.org.uk

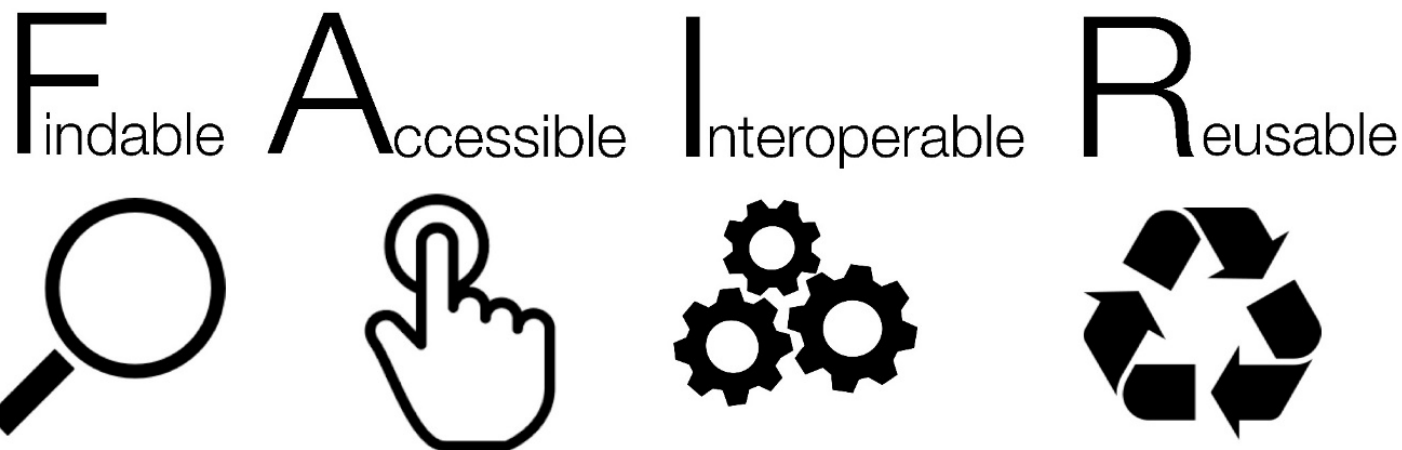
Measure once,
use many times





What is MEDIN?

Group of organisations, tools and resources that make UK marine data FAIR





What is MEDIN?

*Open partnership of UK organisations,
Funded by 14 sponsors,
Report to Marine Science Coordination Committee,
Hosted by BODC since 2008*



Cefas



Department of
Agriculture, Environment
and Rural Affairs
www.daera-ni.gov.uk



Department for
Business, Energy
& Industrial Strategy



Department
for Environment
Food & Rural Affairs





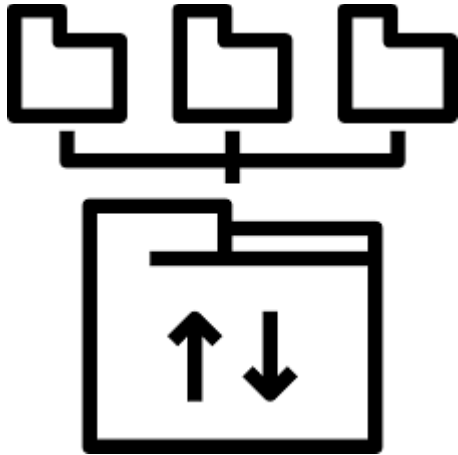
MEDIN's aim?

To improve access to, and management of, UK marine data and information.

National framework for marine data
+
Expertise



National framework



Coordinated
network of
data centres



Data Portal



Metadata
and data
standards

marine specific



Achievements

An operational network of specialist Data Archive Centres providing stewardship of a broad range of marine data

Objective:

Curate

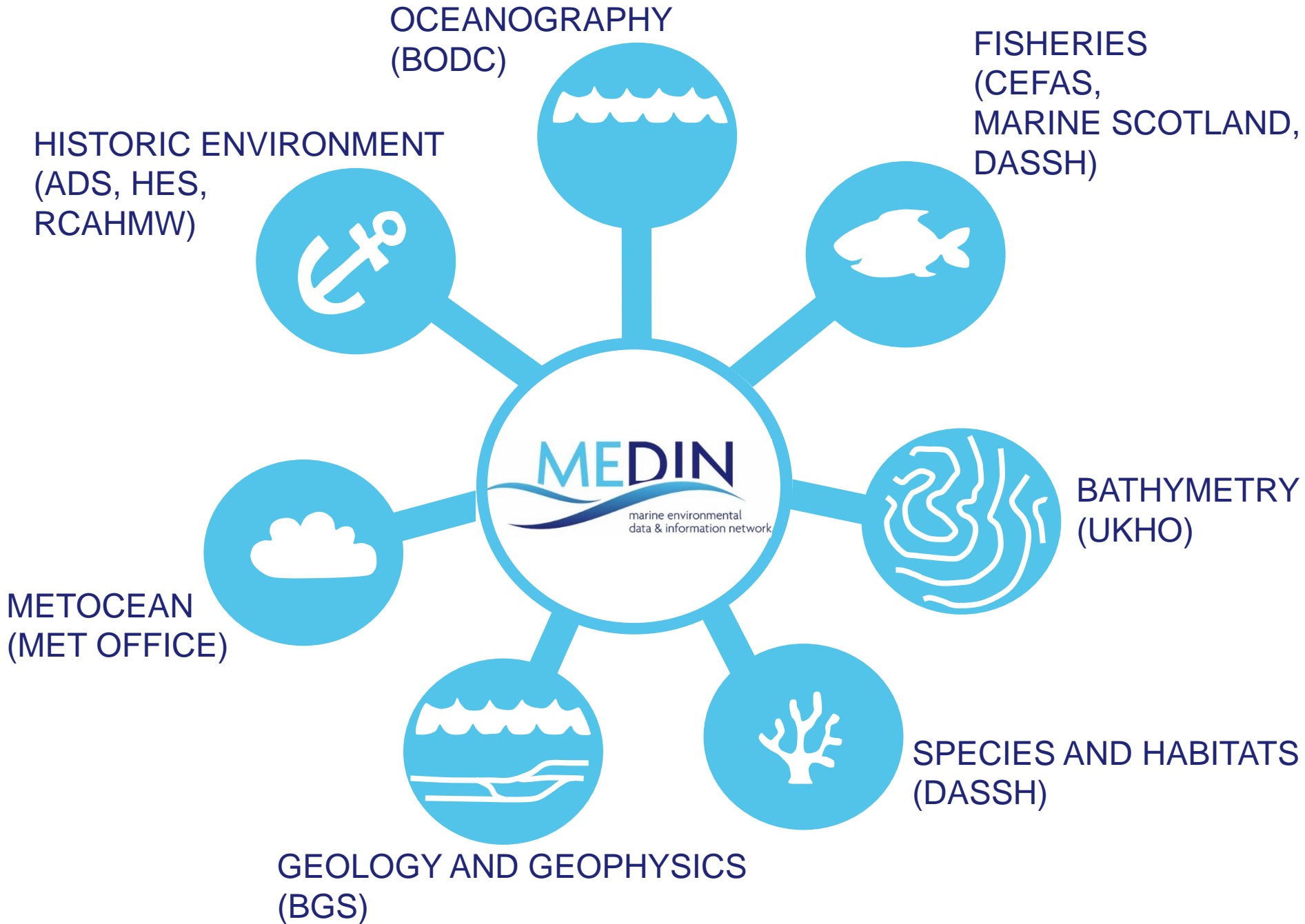
Upload and
Retrieve
Data

Searchable

Expertise

The MEDIN DAC Network







Achievements

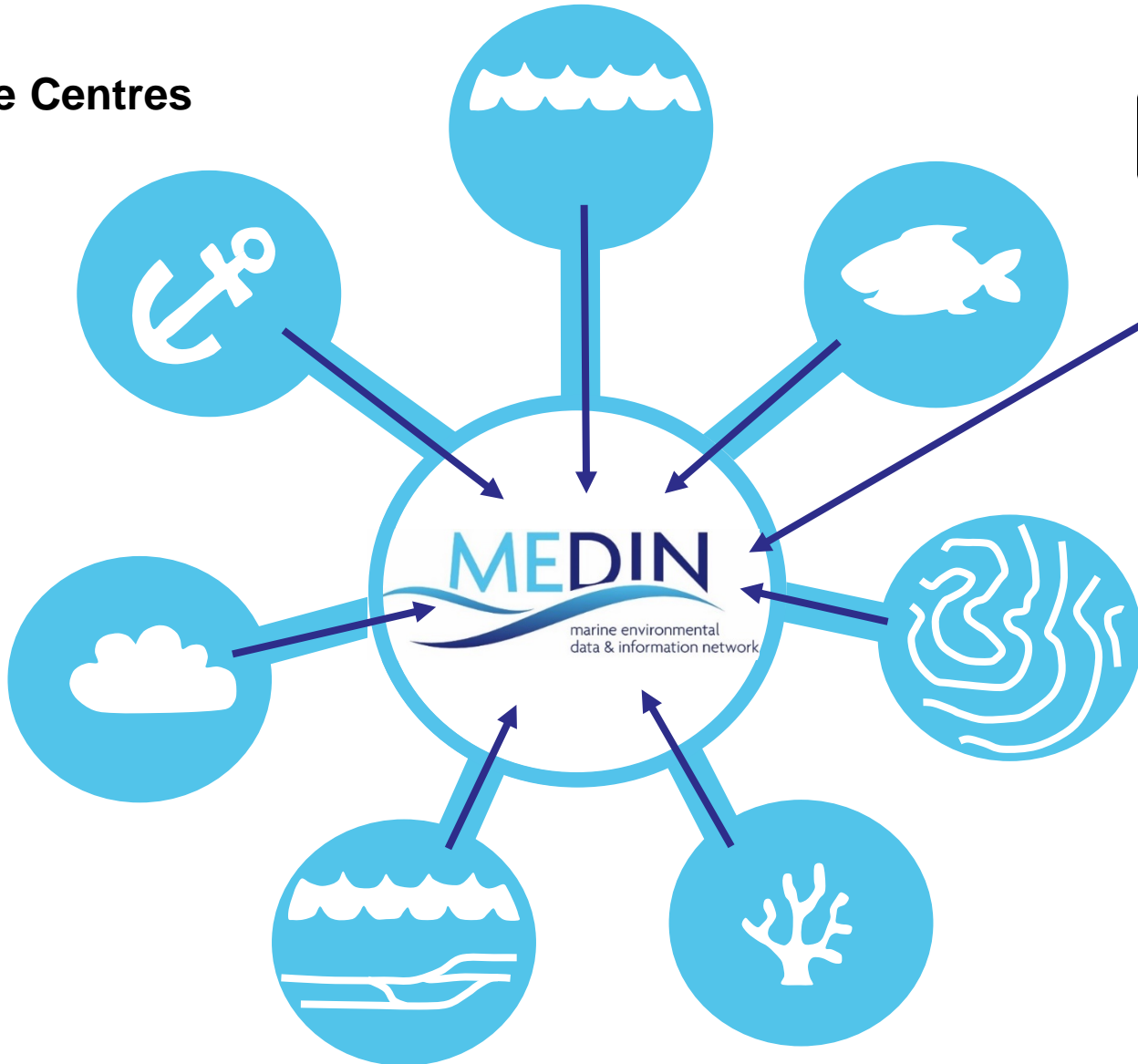
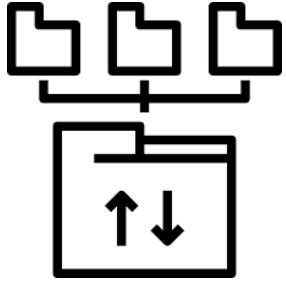
A central web portal to search the marine data collected or managed by over 600 UK organisations

Made possible by widespread adoption of MEDIN metadata standard



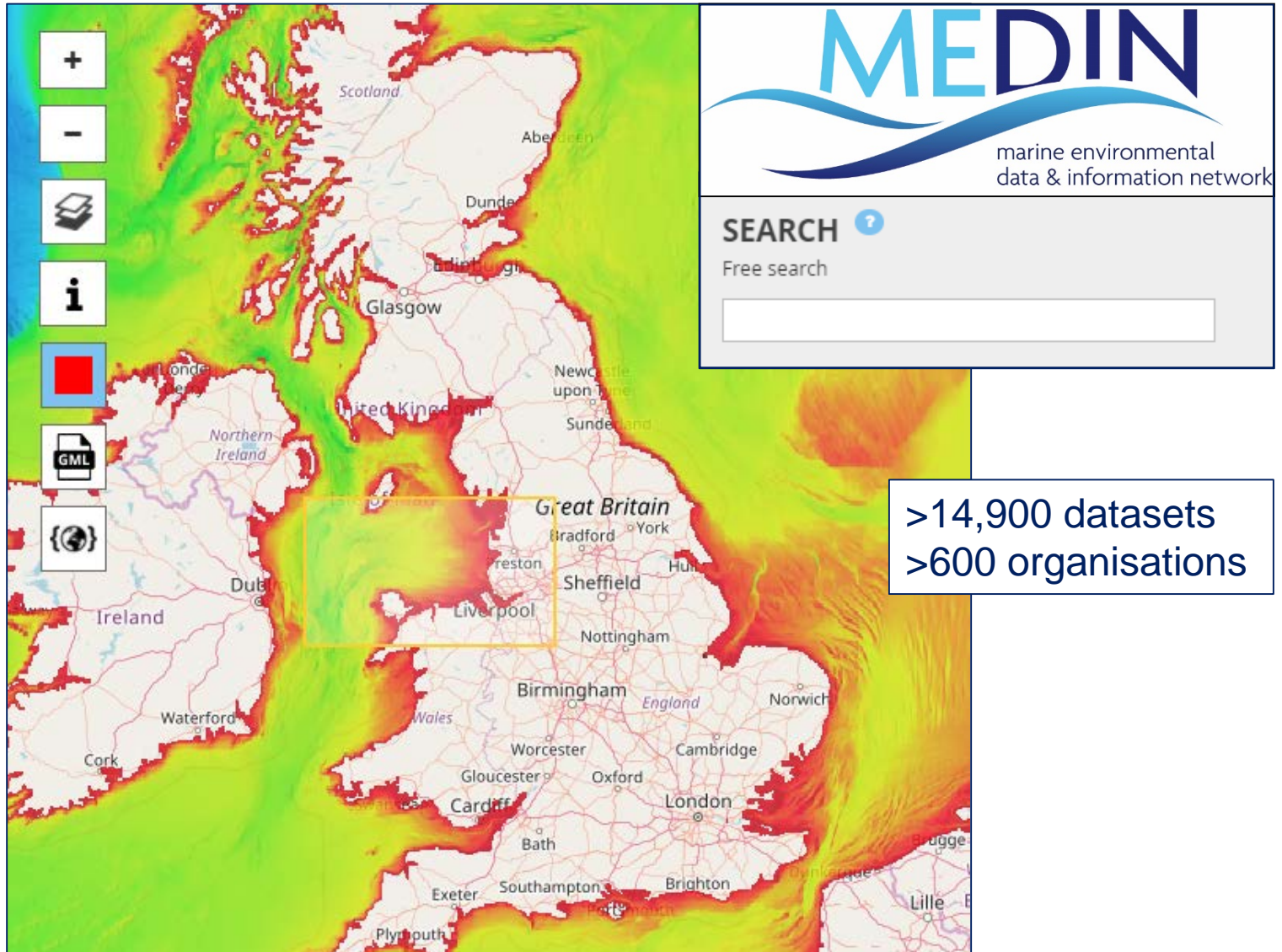
Hub for UK Marine Data – MEDIN Portal

Data Archive Centres



Local data holders
e.g. NRW,
Crown Estate

Hub for UK Marine Data – MEDIN Portal



The image displays the MEDIN Portal interface. On the left, a vertical toolbar contains icons for zooming in (+), zooming out (-), layer management, information (i), a red square, GML file upload, and a globe icon. The main area features a bathymetric map of the United Kingdom and Ireland, with colors ranging from green (shallow) to red (deep). Major cities like London, Glasgow, and Cardiff are labeled. In the top right, the MEDIN logo is accompanied by the text 'marine environmental data & information network'. Below the logo is a search bar with the text 'SEARCH' and a question mark icon, and 'Free search' below it. A statistics box on the right side of the map contains the text: '>14,900 datasets' and '>600 organisations'.

Marine Metadata Standard

UK Marine Standard:



UK Standard:
GEMINI2



European Standard:
INSPIRE Directive



International Standard:
ISO19115





Achievements

A network of over 50 partners committed to providing access to, and stewardship of, UK marine data

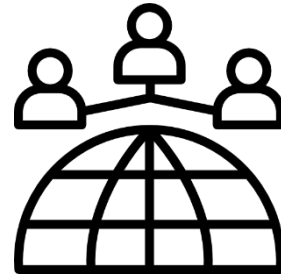
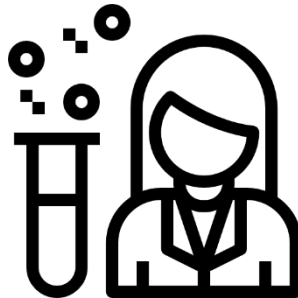




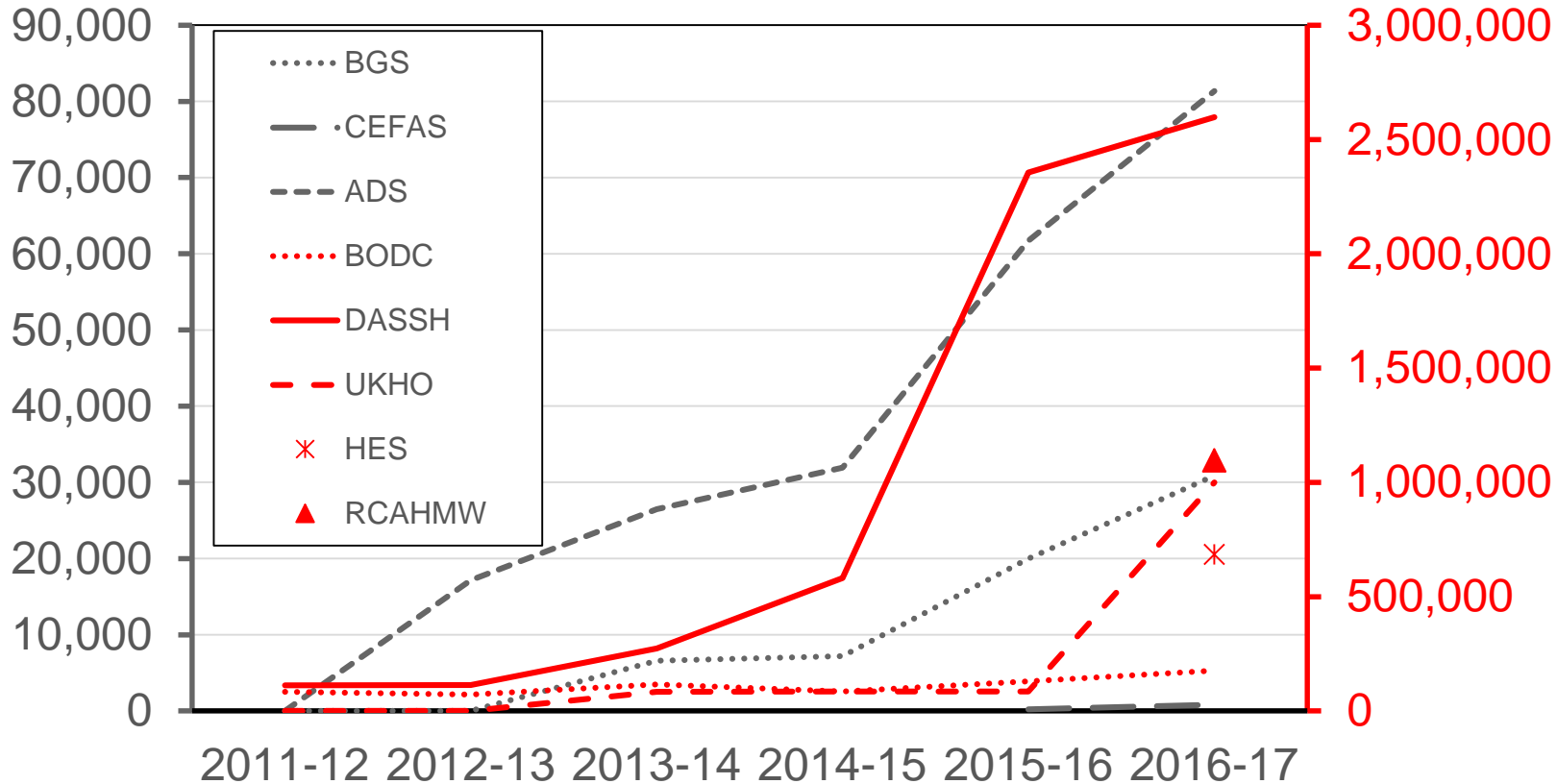


Achievements

Created a legacy by training hundreds of current and next generation of marine experts.



Is it working? – are data being re-used



Requests for data at the MEDIN Data Archive Centres

>5 million requests for data

>30 times more than 2011-12

MEDIN's relationship with BODC



Symbiotic

Benefits to MEDIN



- Embedded in a large team of dedicated and enthusiastic people
- Access to world class expertise (data managers, IT, oceanographers)
- Allowed to thrive as an independent network
- Exposure to new data management concepts
- Major user and promoter of BODC services e.g. NERC Vocabulary Server



Benefits to BODC



- Opportunities to influence and work with other sectors (policy, industry, conservation)
- Cross pollination of ideas with other marine data centres
- Greater exposure of data holdings
- Platform to demonstrate the services and capabilities at BODC
- Direct feedback on services (e.g. NERC Vocabulary Server)



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**Thank you for being
our anemone**

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medin.org.uk

