



How technology can support the marine community to deliver FAIR data.

An introduction to



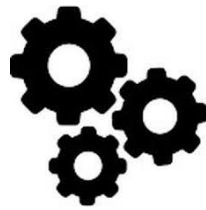
Clare Postlethwaite

cfpo@noc.ac.uk



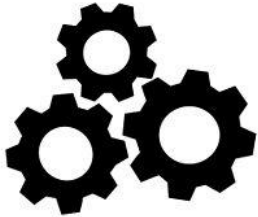
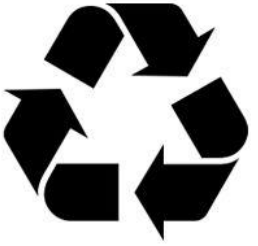
medin.org.uk

Technology is ...

... the sum of any techniques, skills, methods and processes used in the production of goods or services or in the accomplishment of objectives.



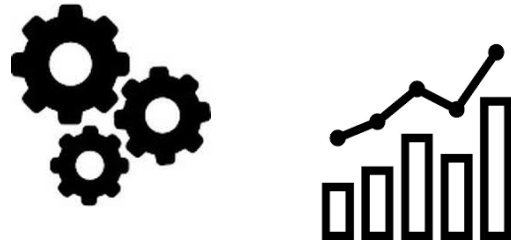
All UK marine data **and metadata** are

F indable	A ccessible	I nteroperable	R eusable
			

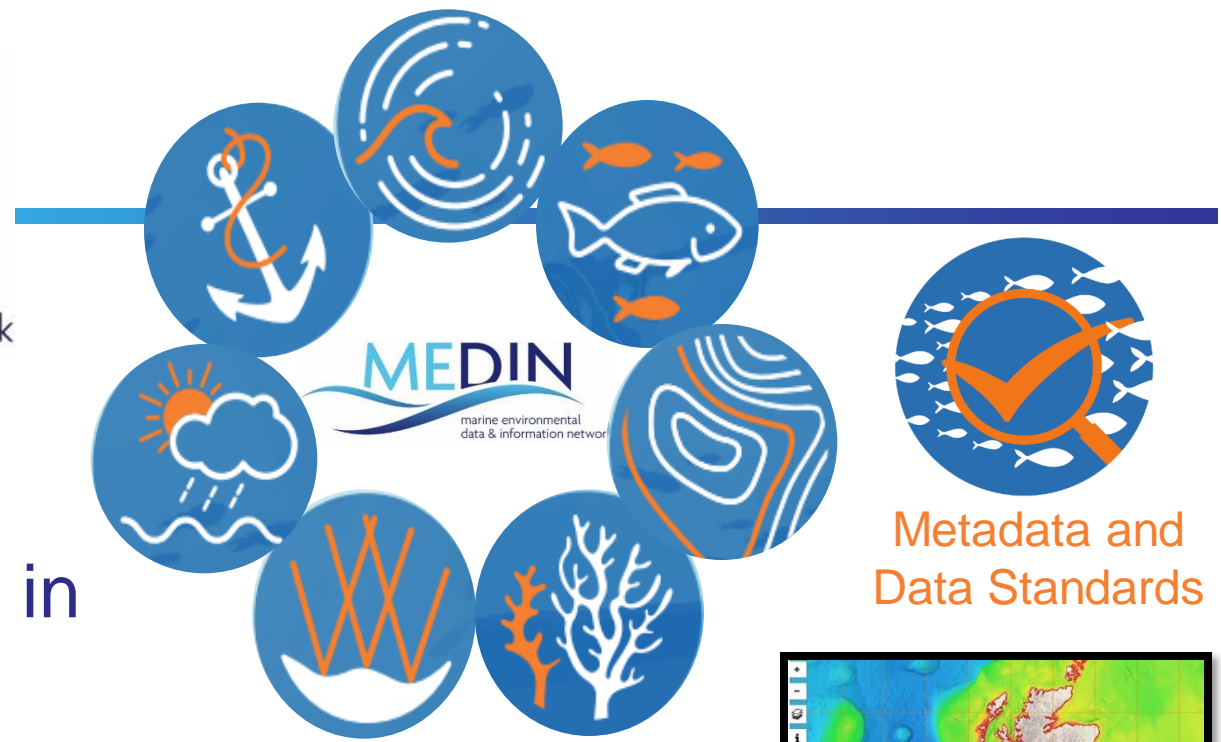




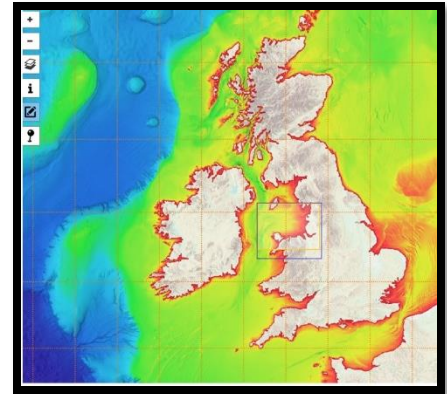
National framework for marine data management in the UK



Established 2008



Coordinated Network of Data Centres

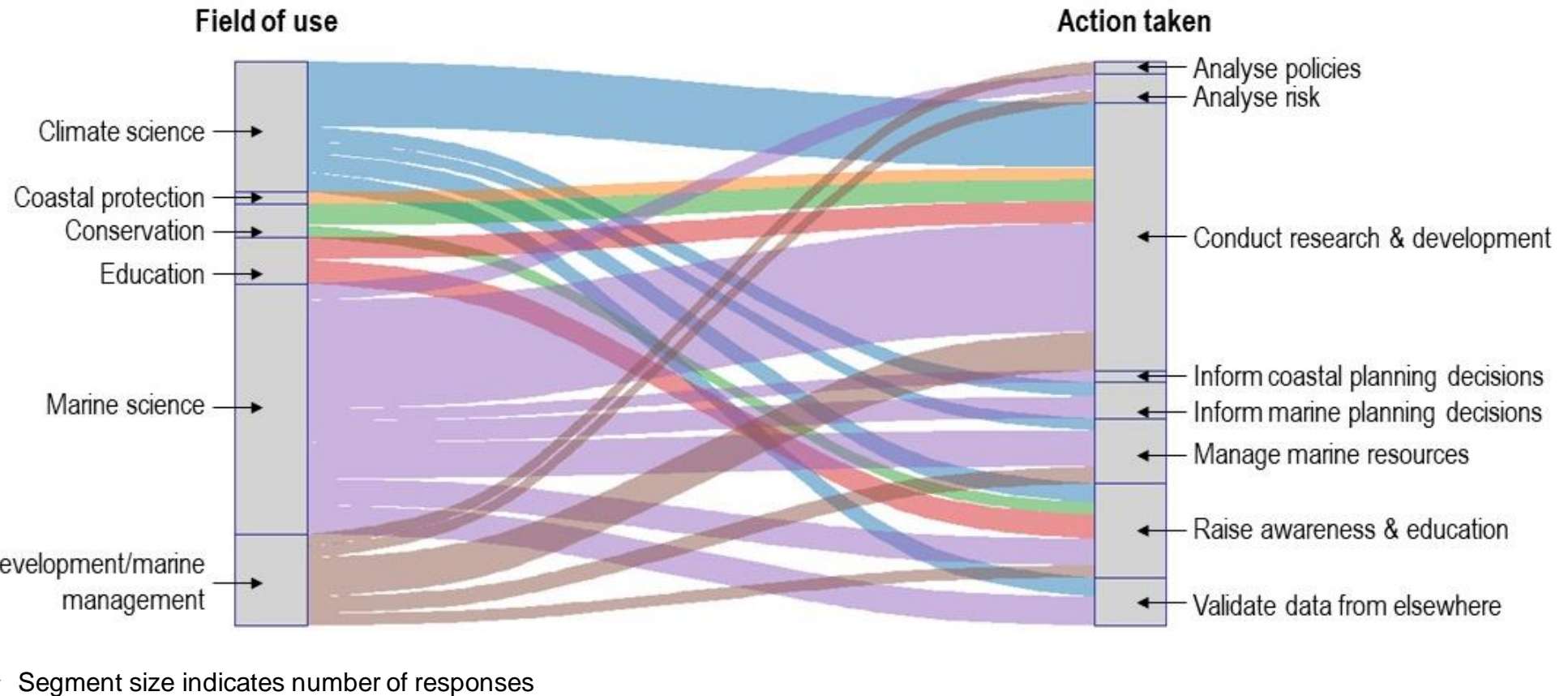


Data Portal



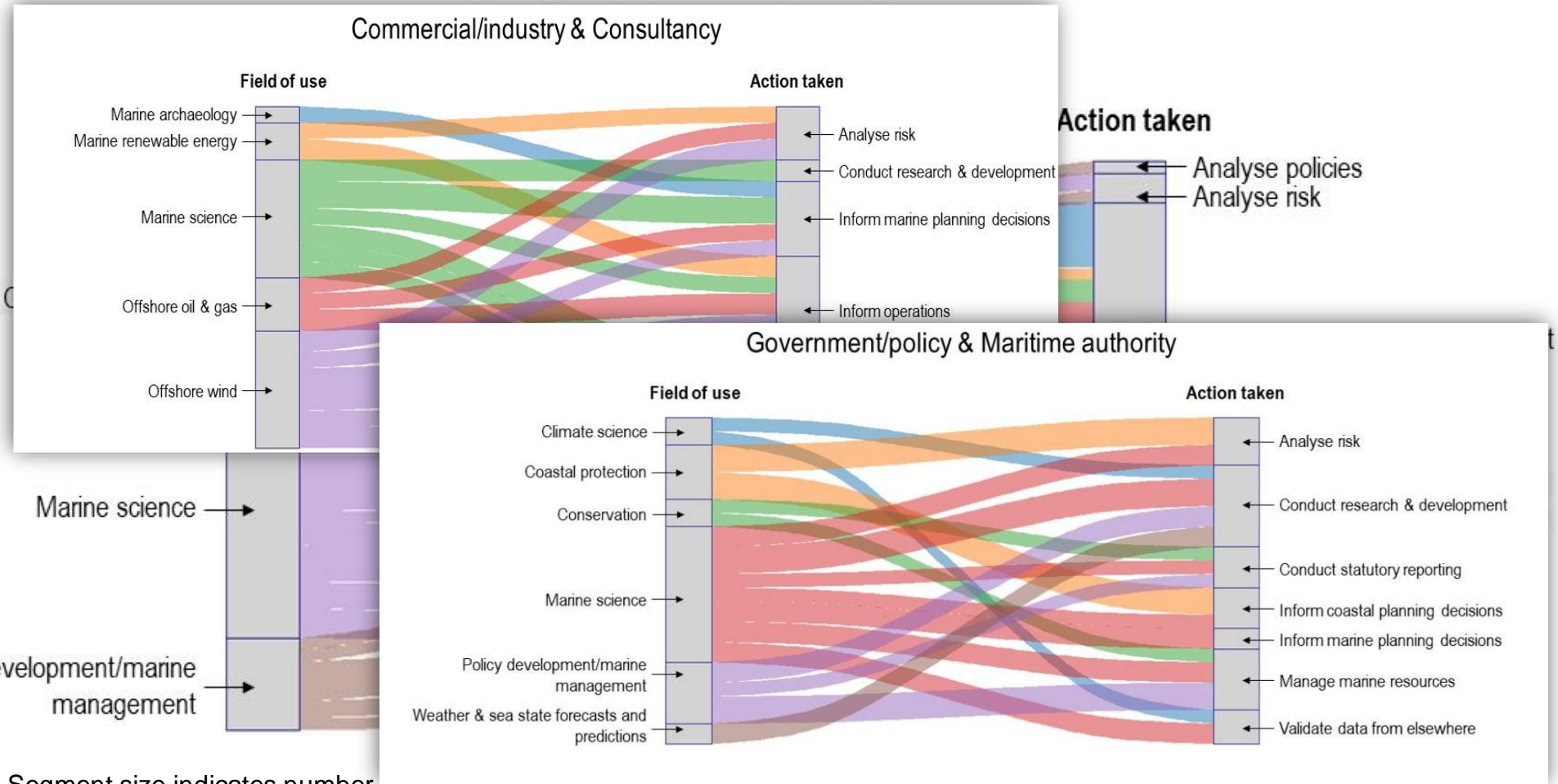
Why have national framework for marine data?

Marine data have significant reuse value



Why have national framework for marine data?

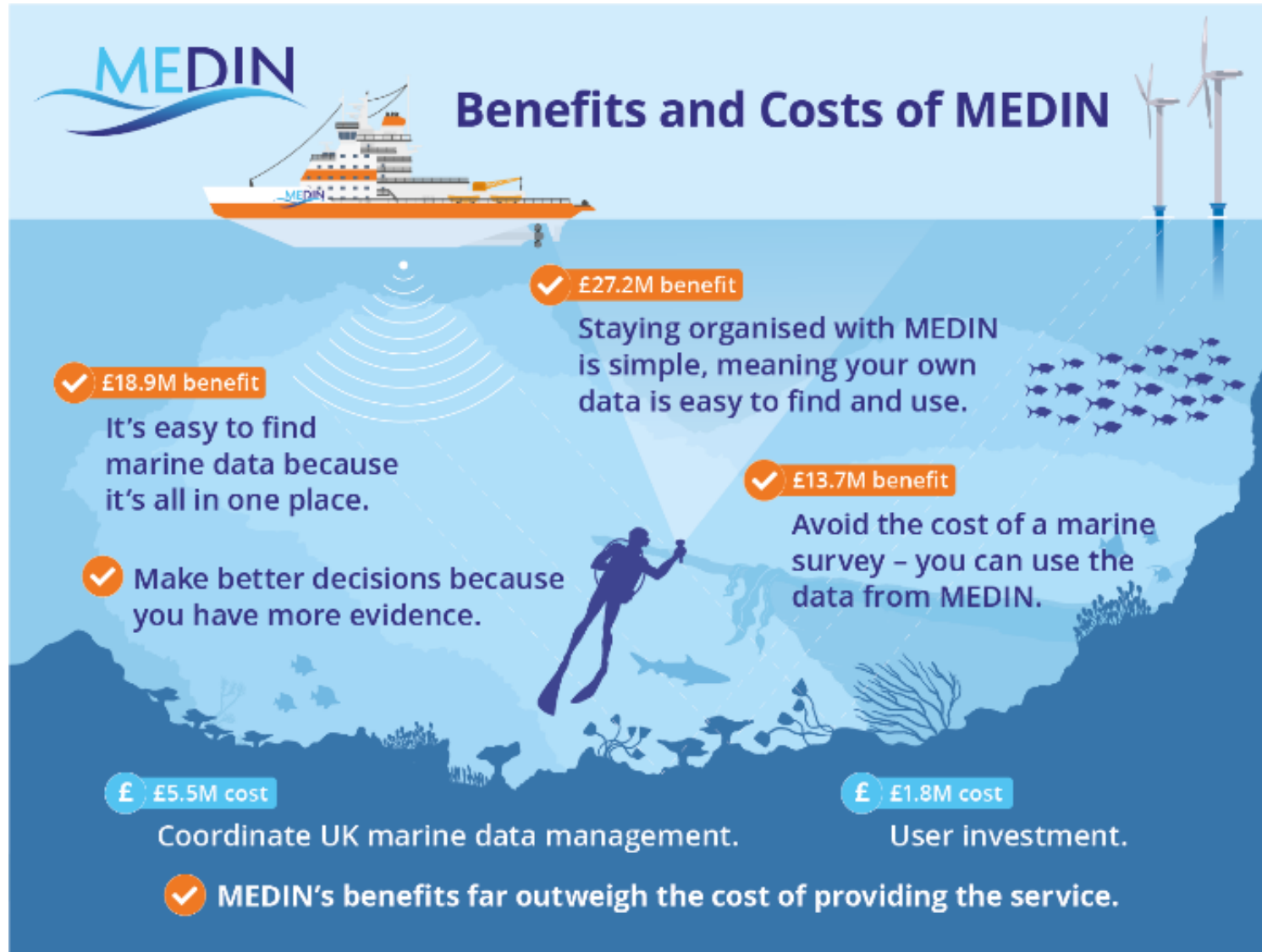
Marine data have significant reuse value



Policy development/marine management

Segment size indicates number of responses

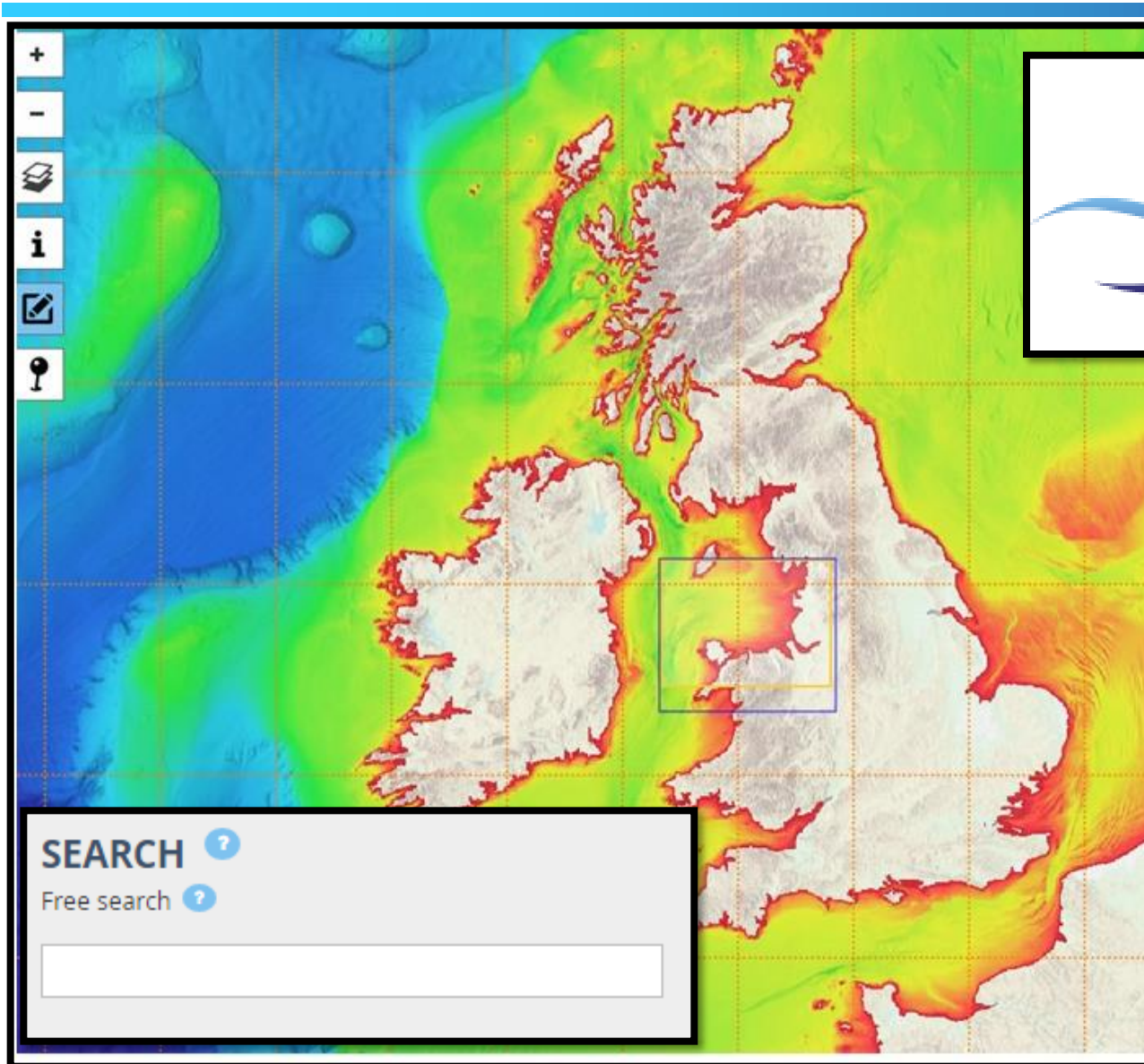
Why have national framework for marine data?



Significant benefits for data collectors and data (re)users

Benefit : Cost
8 : 1

A single place to “Find” UK marine data



SEARCH ?

Free search ?



16,000 datasets
600

organisations

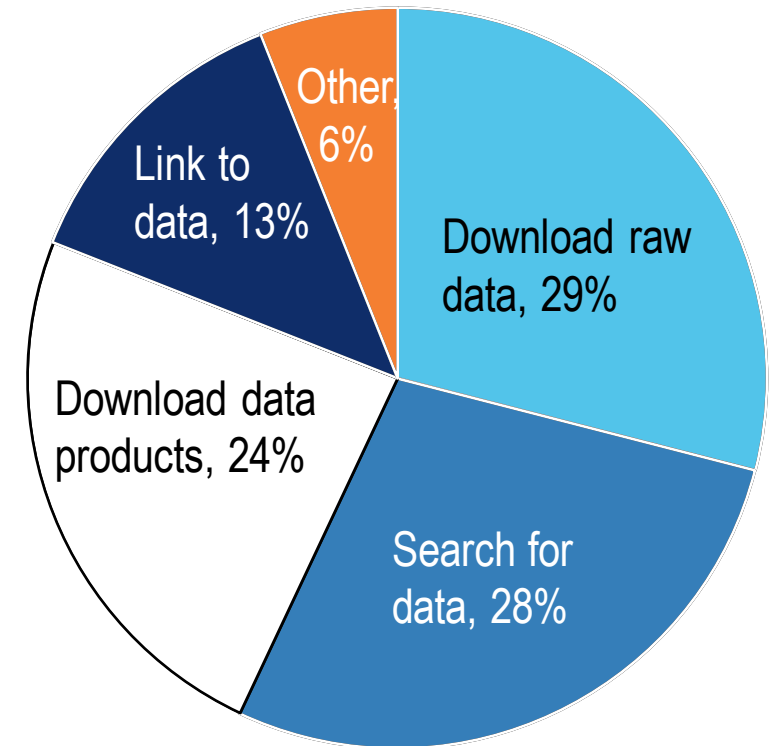
Further dissemination



data.gov
schema.org
+ ...

A network of accredited Data Archive Centres

Accessible

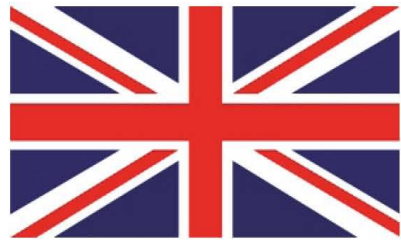


Why visit a data centre?



Internationally interoperable tools/data flows

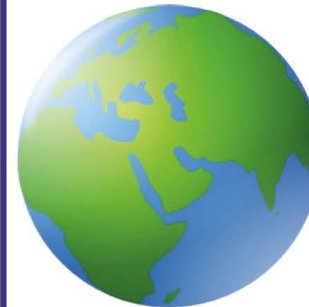
UK Marine Standard:



UK Standard:
GEMINI2

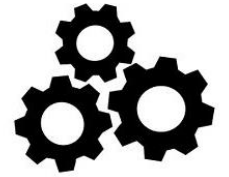


European Standard:
INSPIRE Directive



International Standard:
ISO19115

Interoperable



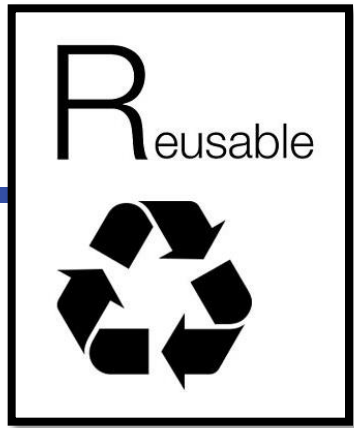
Standard



Controlled
vocabularies



Tools to ensure data are reusable



Data Guidelines

list of information that should be collected with your data to ensure they can be re-used in the future.

Tailored to >25 different methods/data types



Guidelines



Metadata



Standard



Standard



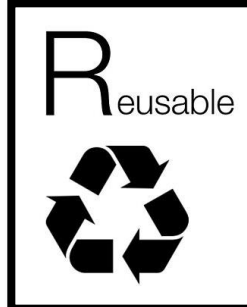
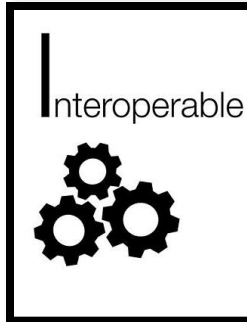
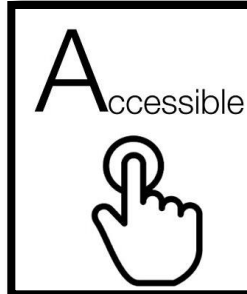
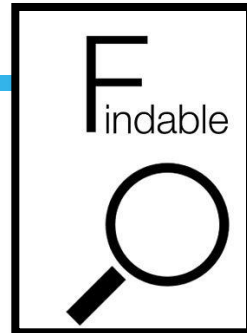
Controlled vocabularies



Standard



Guidelines



Data



Current focus



Open licenses



Guidelines



Thank you

