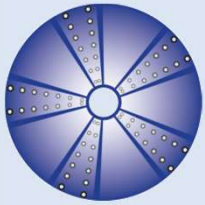


# The Wet Bit Around the Edge: Are Marine Data Different?

Dan Lear  
Head of Data & Information  
@danlear  
dble@mba.ac.uk



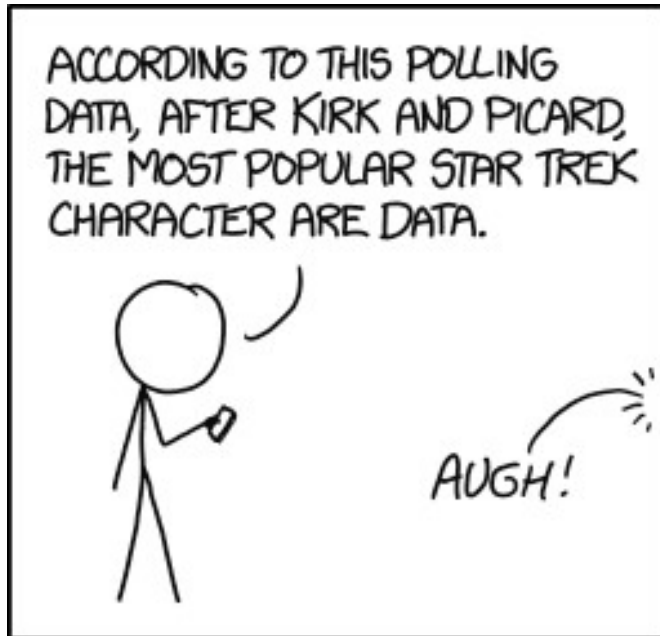
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# Data is/data are?



ANNOY GRAMMAR PEDANTS ON ALL SIDES  
BY MAKING "DATA" SINGULAR *EXCEPT*  
WHEN REFERRING TO THE ANDROID.

Dictionary

pedant



pedant

/ˈpɛd(ə)nt/

*noun*

a person who is excessively concerned with minor details and rules or with displaying academic learning.

"the royal palace (some pedants would say the ex-royal palace)"

synonyms: dogmatist, [purist](#), literalist, [formalist](#), [doctrinaire](#); [More](#)

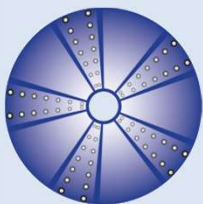


Translations, word origin, and more definitions

CC BY-NC - <https://xkcd.com/1429/>



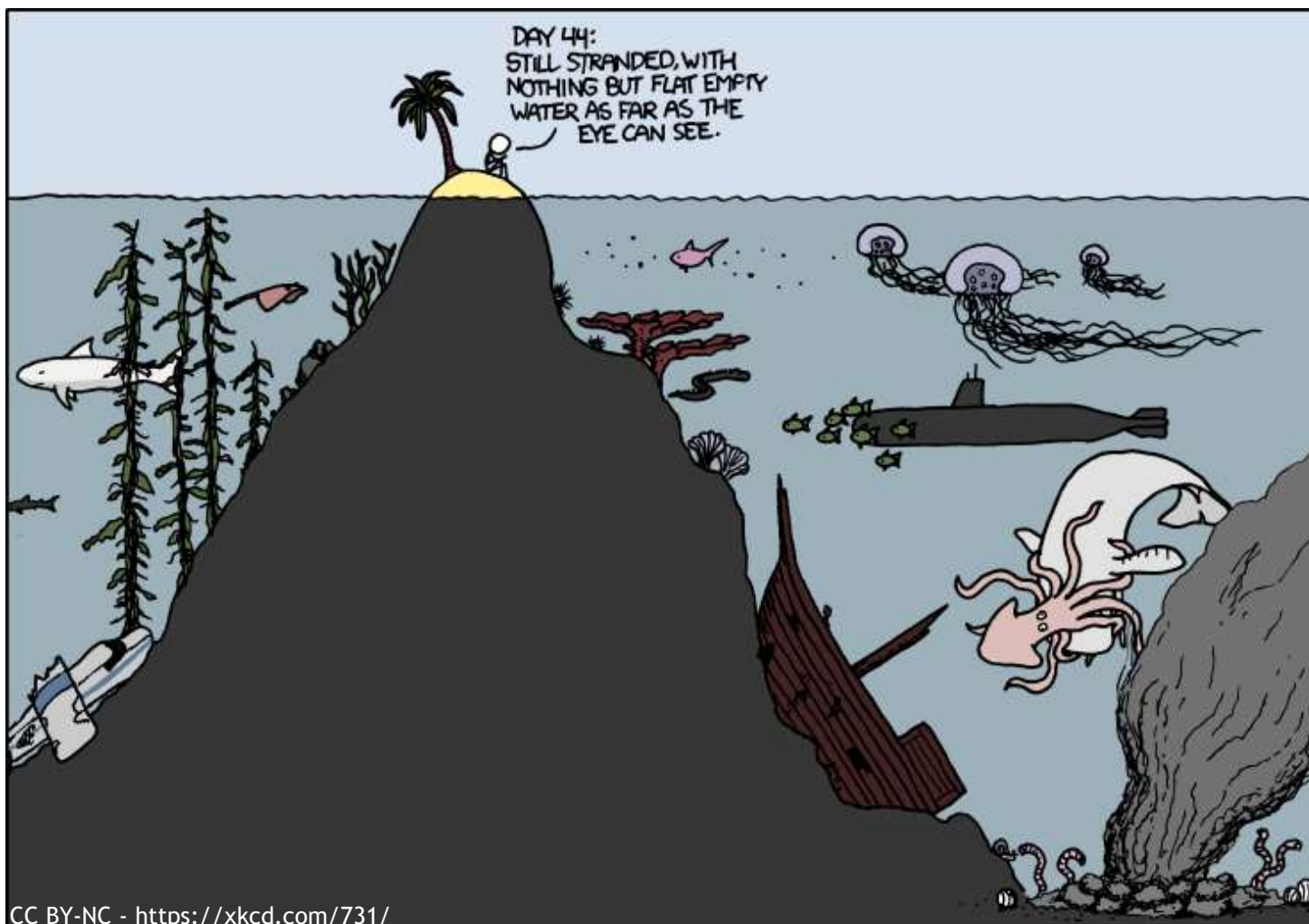
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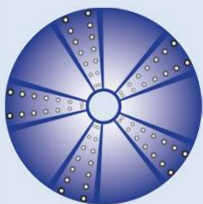
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# Are marine data different?



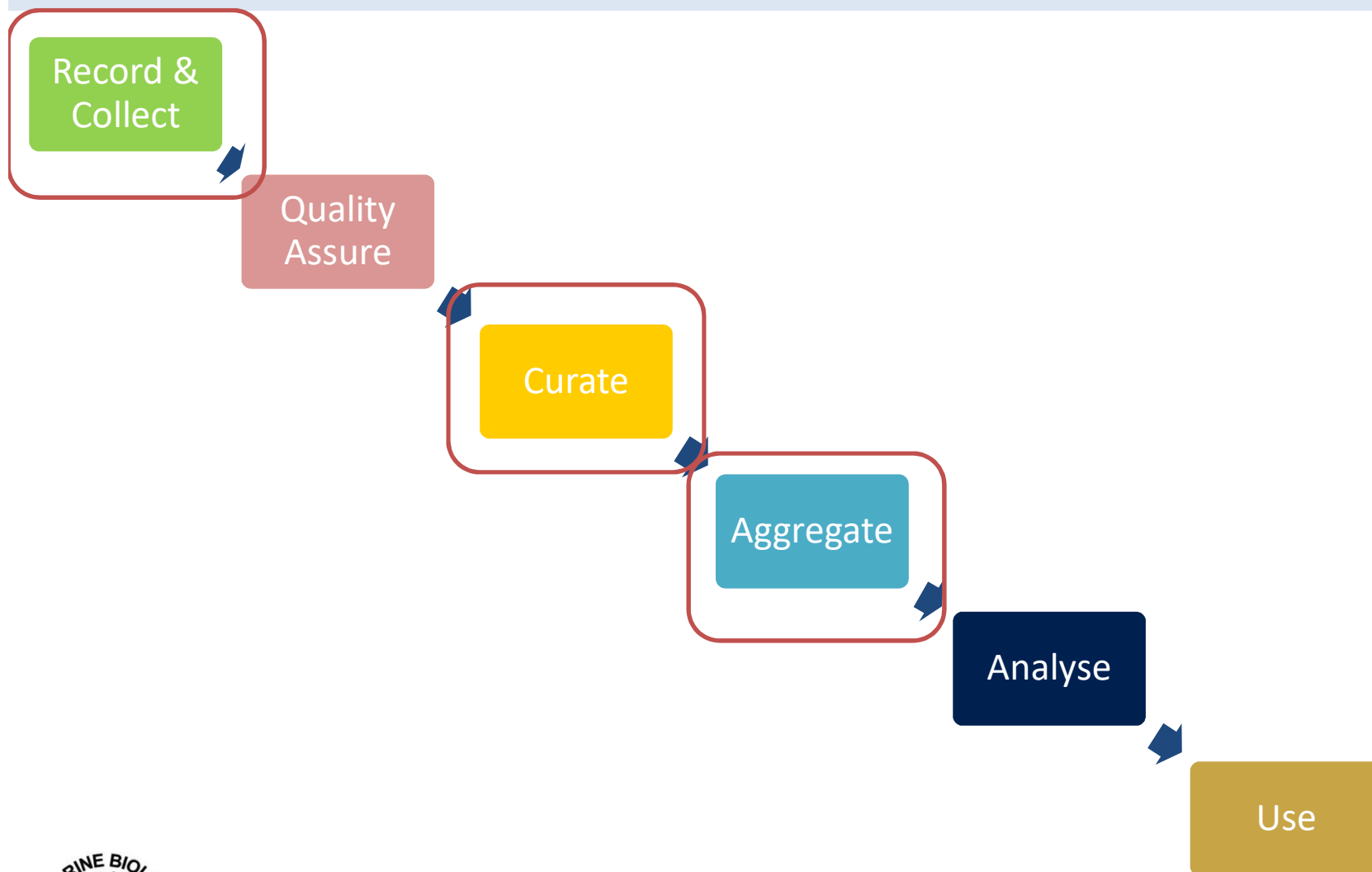
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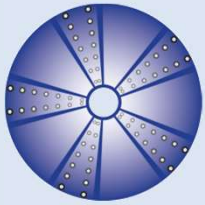
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# NBN Data Flow Pathway



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# Why are marine data different?

- 35 Phyla in the sea vs 15 terrestrially
- Habitats tend to be animal 'dominated' or characterised
- More varied ecological pressures (wave, tides, turbidity)
- Natural and extensive connectivity
- Overall knowledge is poor

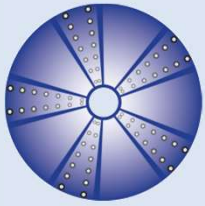


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# Record & Collect

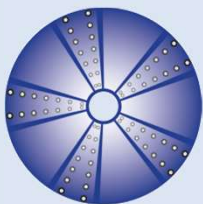


Image: Benjamin Blonder (@benjaminblonder)



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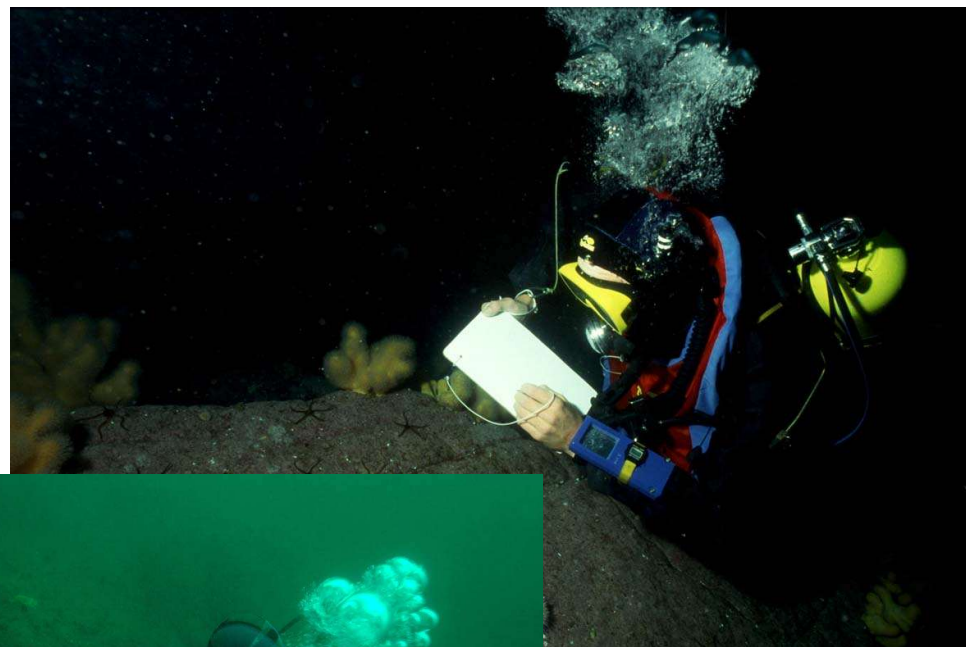
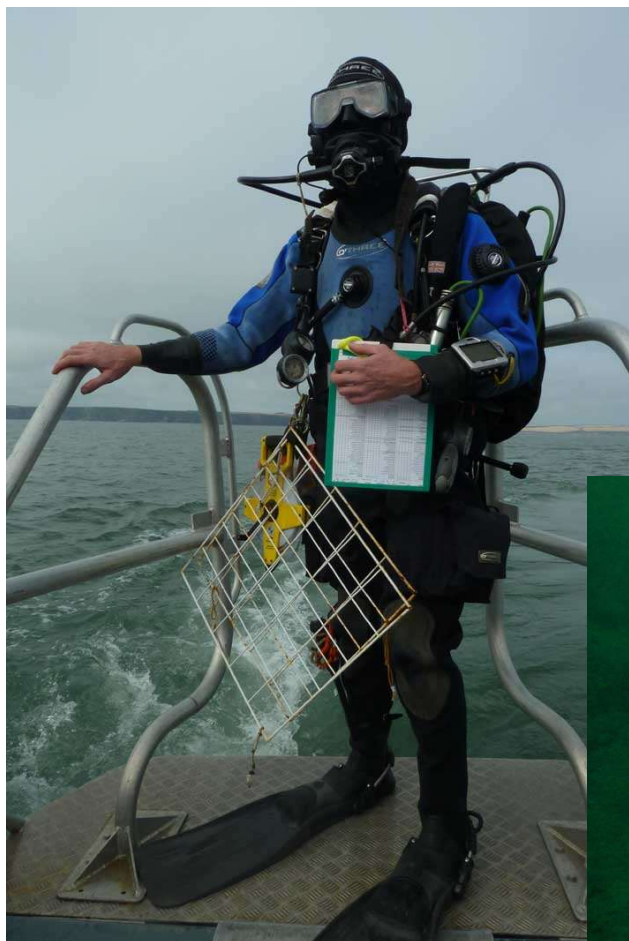




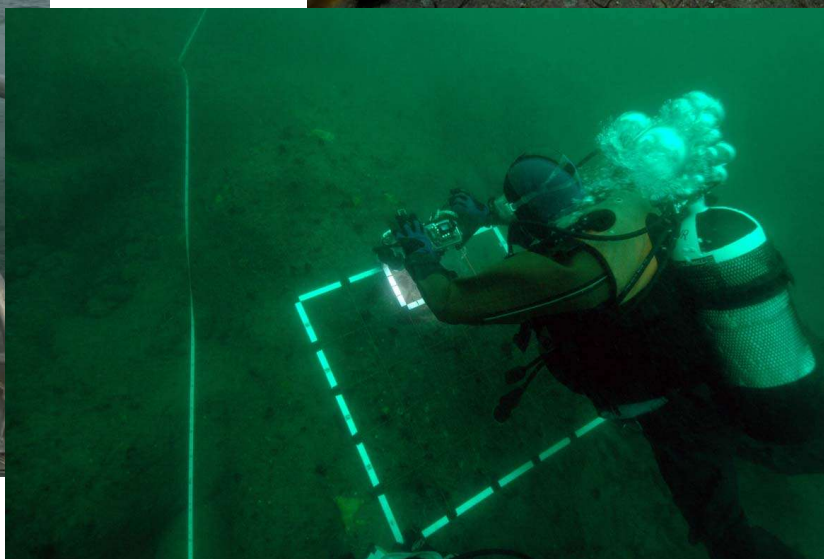
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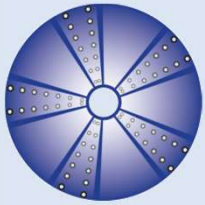
# Record & Collect



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# NBN Data Flow Pathway

Record &  
Collect

Quality  
Assure

Curate

Aggregate

Analyse

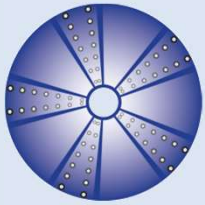
Use

- Describe
- Standards
- Metadata
- Archive



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# Curate

## UK

MEDIN - Open Partnership >30 organisations

Discovery metadata standard (*UK GEMINI 'flavour' for Marine*)

Data guidelines - [www.oceannet.org](http://www.oceannet.org)

**“Measure once, use many times”**

## Global

BODC Vocab

World Register of Marine Species (MSBIAS is UK context)

Marine Regions

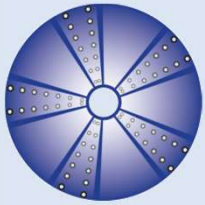
Ocean Biogeographic Information System



Marineregions.org  
towards a standard for georeferenced marine names



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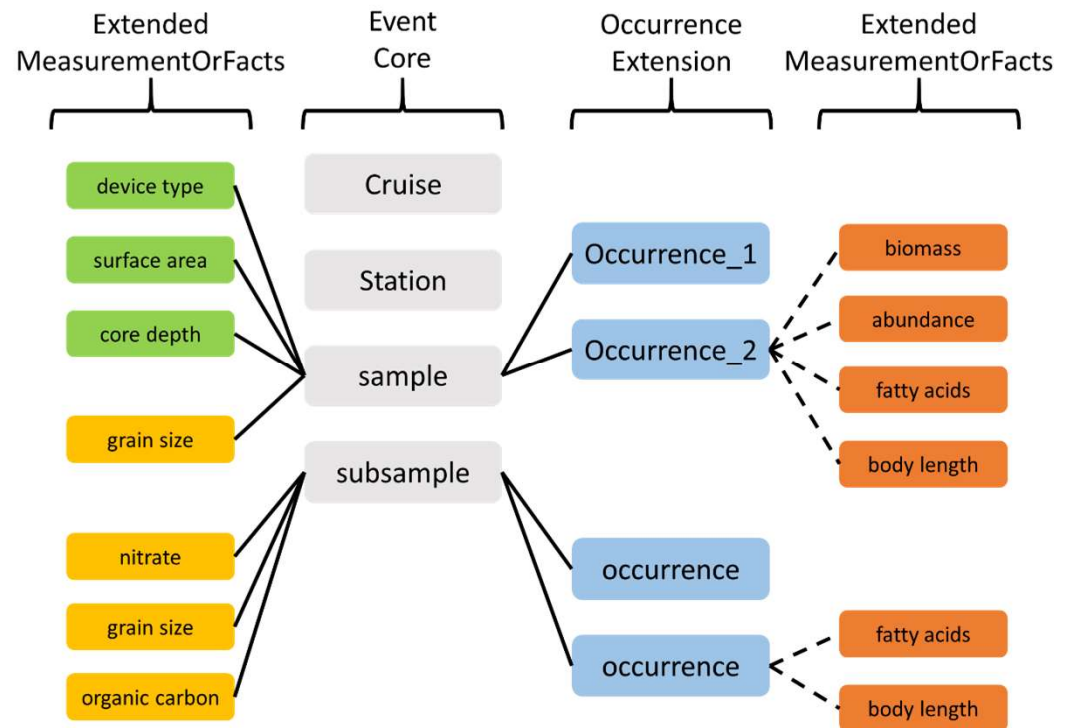
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# Curate

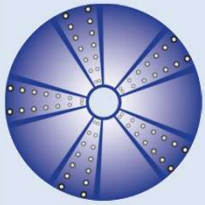
## Standards & Metadata

- GBIF / DwC (and NBN Atlas)
- OBIS / OBIS-ENV (DASSH/EMODnet Biology)



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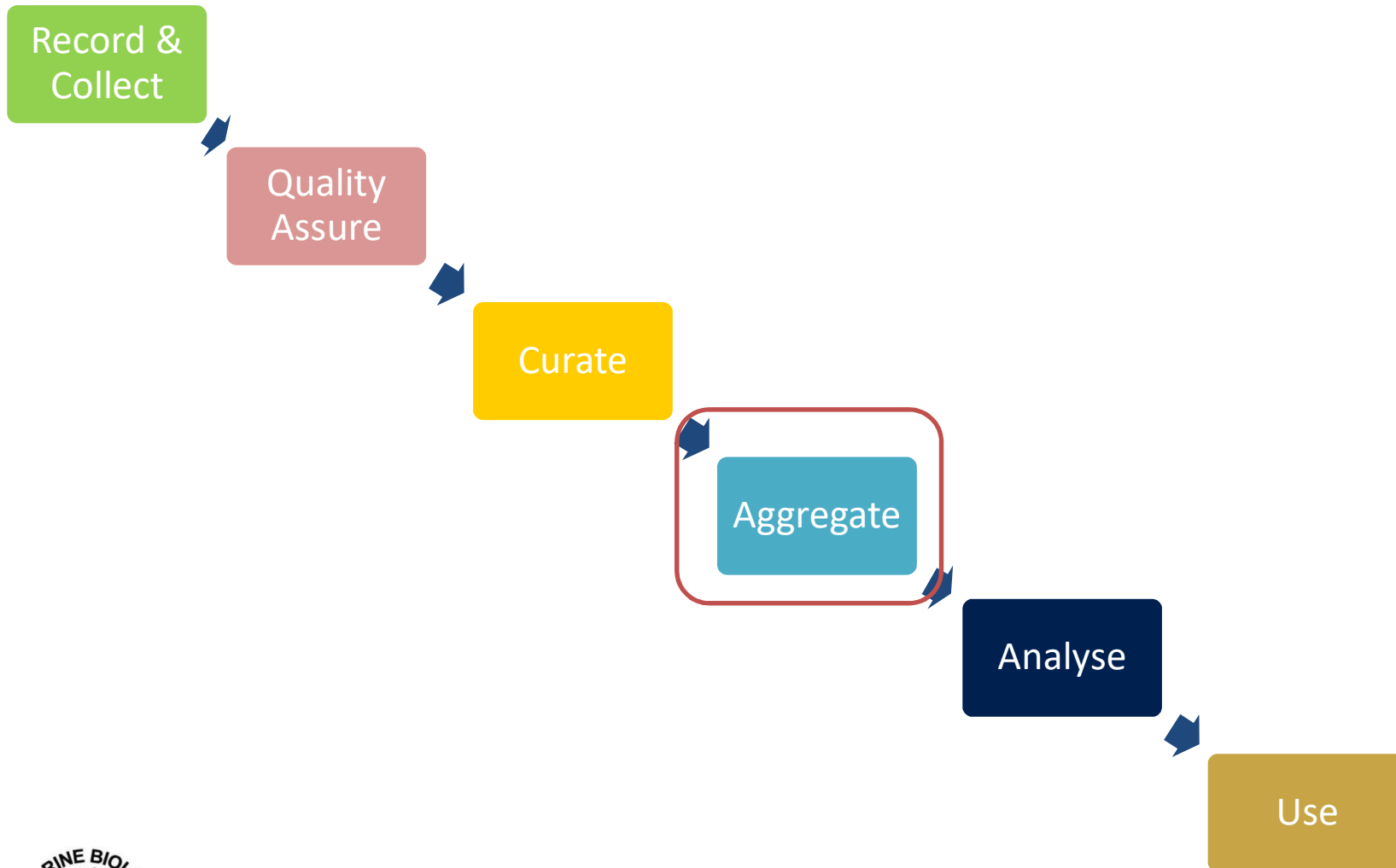




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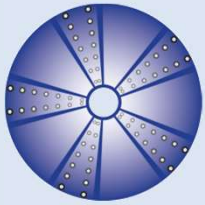
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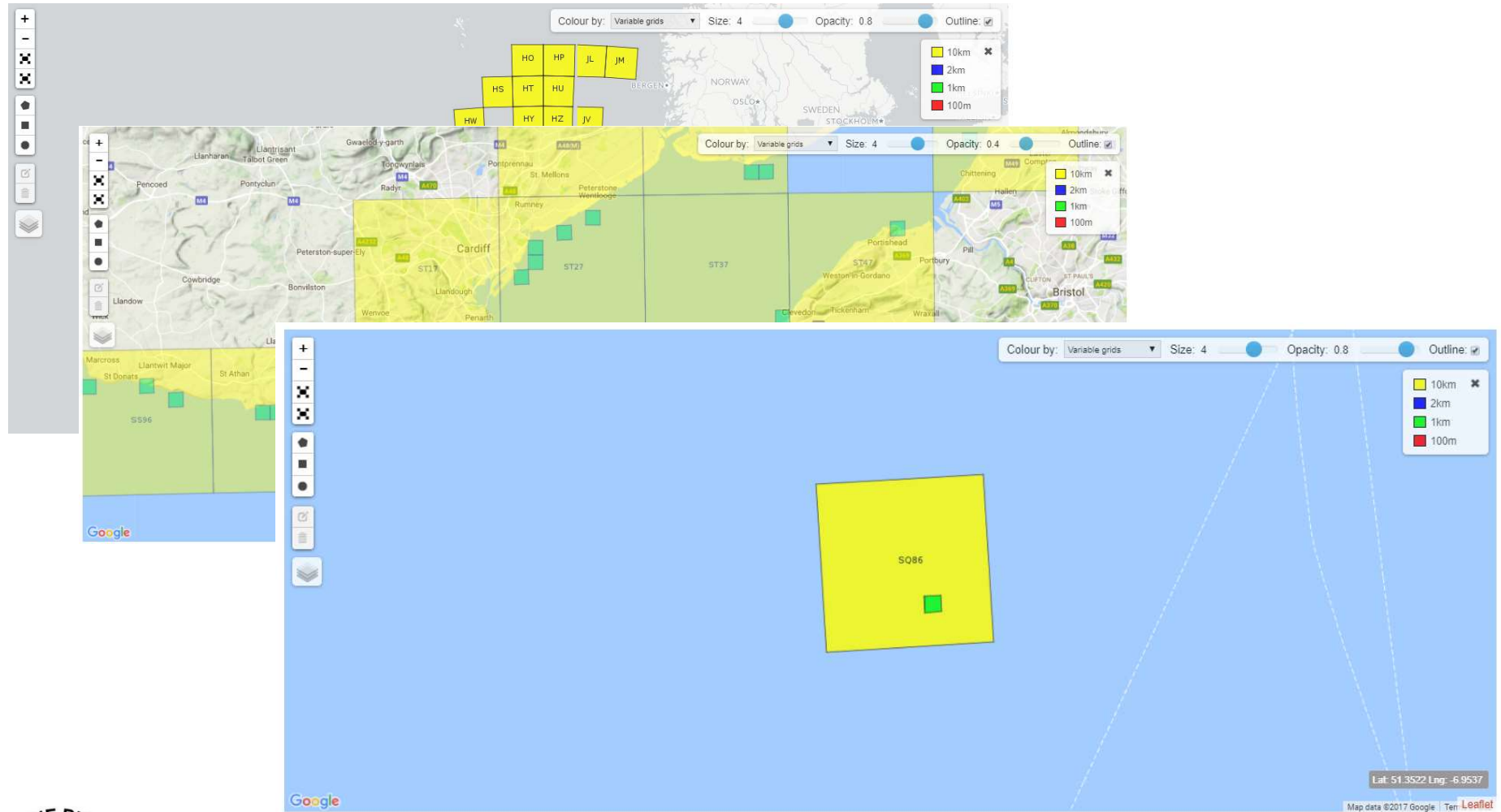




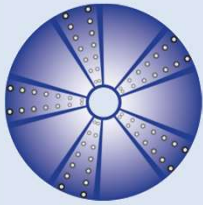
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# Aggregate



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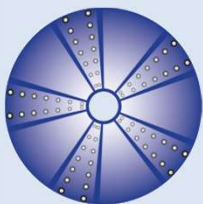
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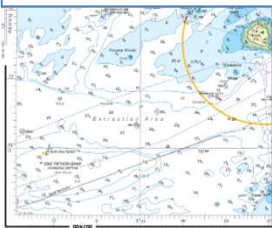
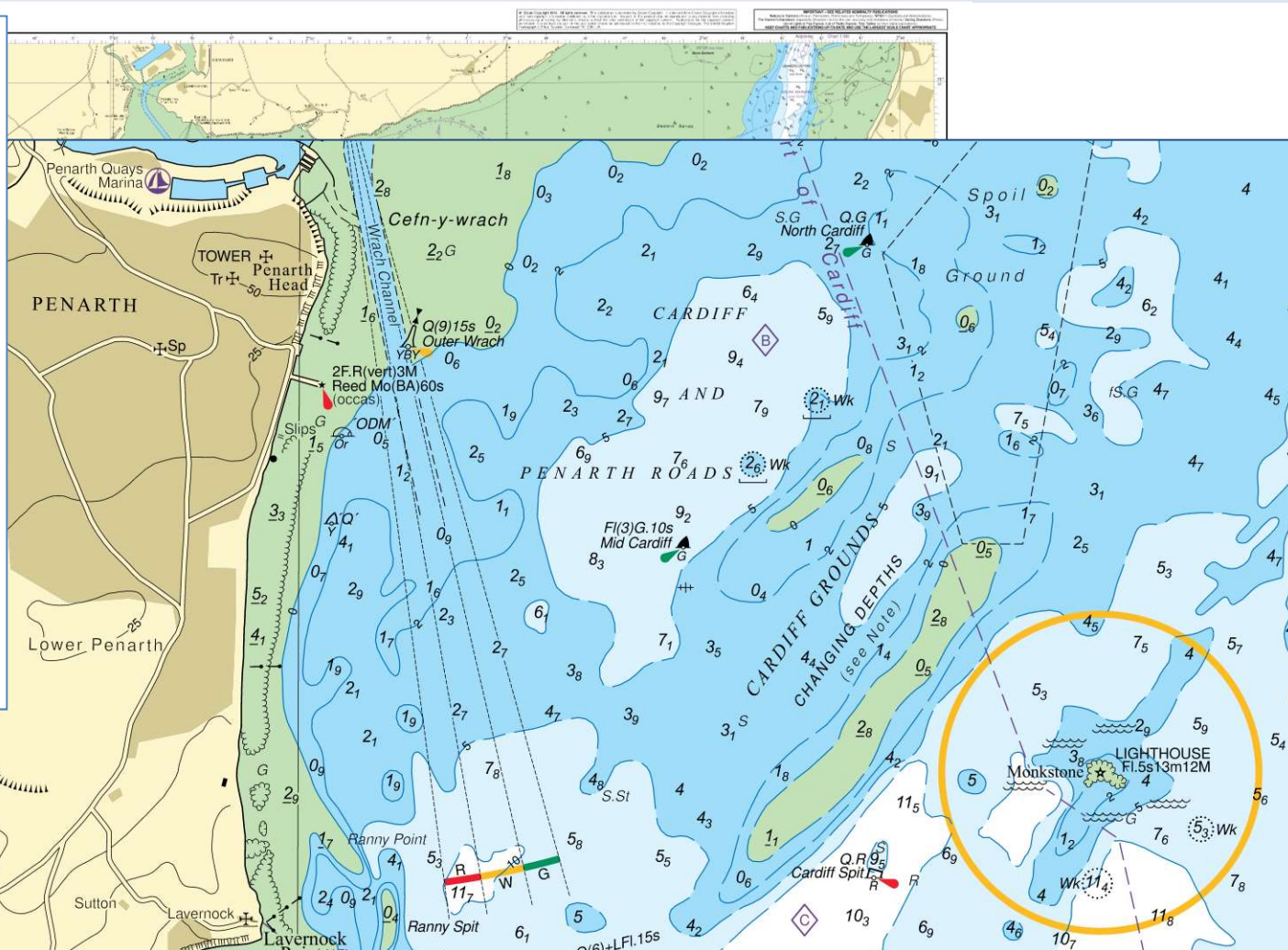
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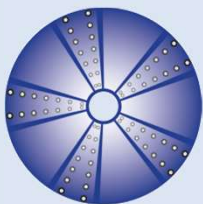
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1176 available to The Marine  
Biological Association\* (MBA)  
for a period of 3 months  
from the 10th November  
2017 solely for the purpose  
of presentation at a National  
Biodiversity Network  
Conference scheduled  
November 2017.

\*Represented by Dan Lear,  
Head of Data, Information &  
Technology, MBA



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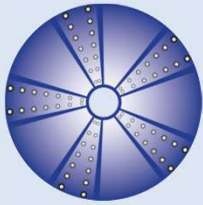
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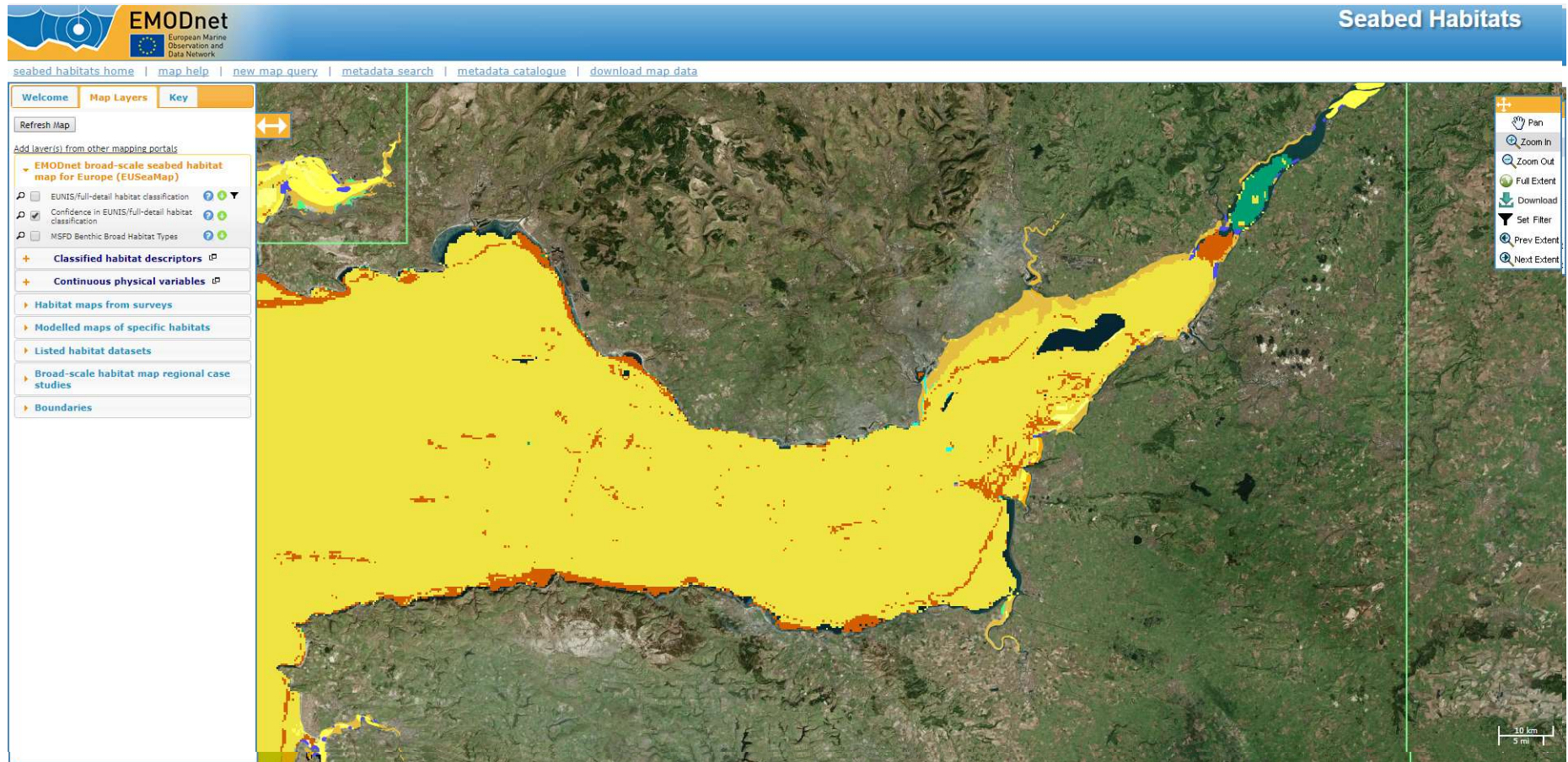




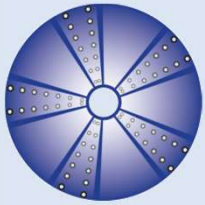
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## Different but the same...

### *Common Challenges...*

Funding – especially for time  
series

Taxonomy skills

Data “protectionism”



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# Thank you

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