

Use Cases from WHOI

Biogeographic Use Cases

- Biogeographic information can be used for a variety of things...
 - Oceanographic purposes...
 - Migratory Patterns
 - Food Resources
 - Population Density/Variability
 - Non-specialist purposes...
 - Avoiding sharks on your surfing/beach vacation
 - Avoiding/spotting whales on your leisure cruise

Biogeographic Resources

- [OBIS](#) – Ocean Biogeographic Information System
- [OntoSpecies](#) - uBio

Geology & Geophysics Use Case

- Worked with G&G dept. to enumerate needs for pre-cruise data discovery...
- Mostly interested in deployment metadata
- Particularly...
 - What deployments have visited an area before?
 - What equipment did they have?
 - i.e., Single-beam vs. Multi-beam Sonar (bathymetry)
 - i.e., are there any dredging samples?

G&G Resources

- [MGDS](#) – Marine Geoscience Data System
- [BCO-DMO](#) – Biological & Chemical Oceanography Data Management Office
- [R2R](#) – Rolling Deck to Repository

Be Creative!

- There's lots of flexibility to these use cases...
- The better you define the use case, the easier it will be to scope and design project.