

Data Sharing 101: the 5 w's and some opportunities to share marine mammal data.

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What is data sharing?

- Students / Collaborators
- Website
- Funder requirements
- Publishing requirements
- The gold standard

Who should share data?

- Everyone

Why should I share my data?

- Benefits to self – collaborations, answering bigger questions, DOIs, legacy
- Benefits to society – integrated ecosystem assessments and meeting the challenge of climate change will require thinking beyond self
- Other benefits - maximizing the value of data already collected esp. important w/ decreasing budgets, time series, animals

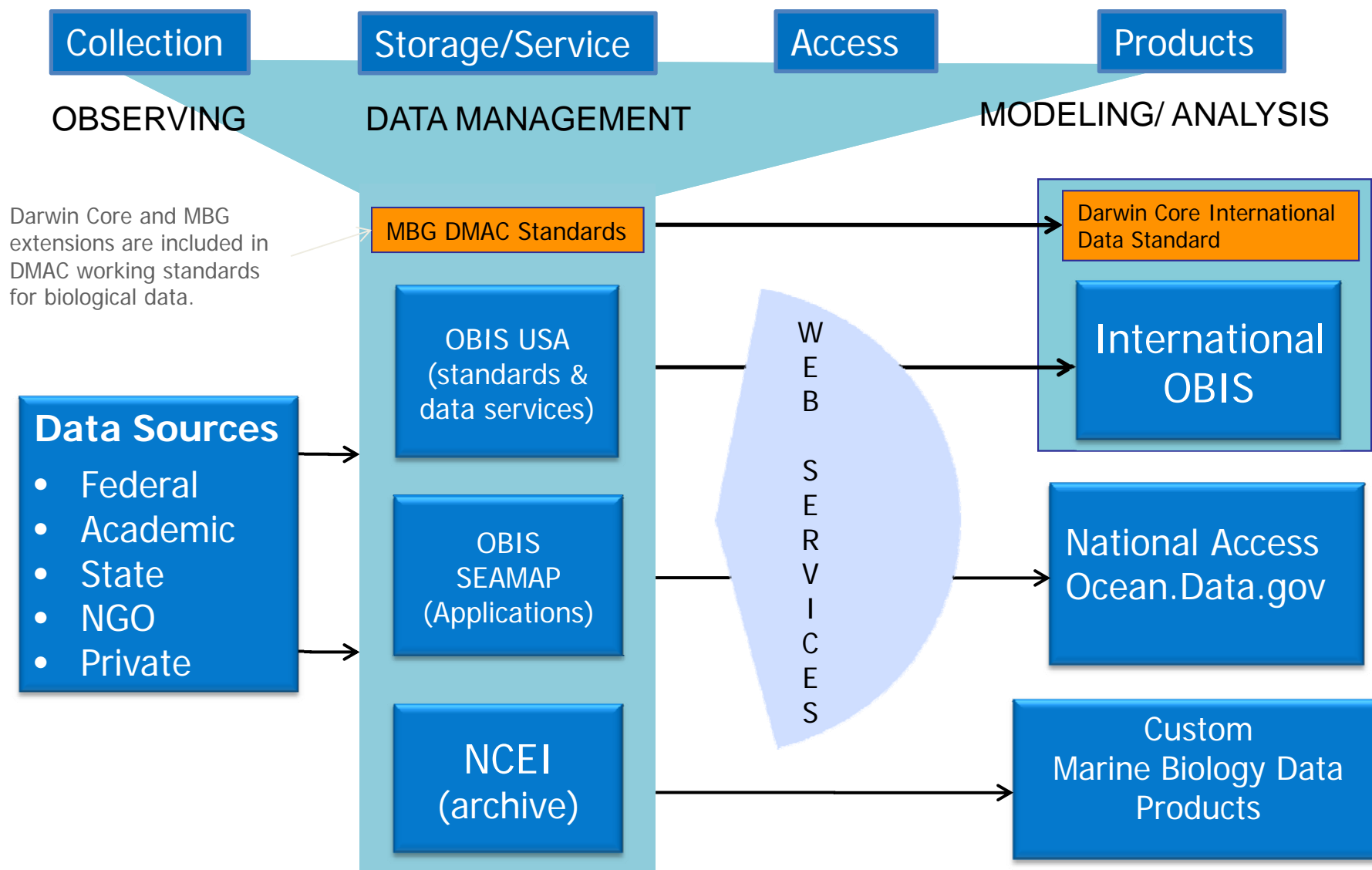
When do I share my data?

- ASAP
- Data holds / limited access is feasible (time for publication)
- **How often** do I share my data? Do I have to share it in multiple places?
- Metadata and web services - increase interoperability and data discovery (capital investment)

Where or how do I share my data?

- Plethora of options: build your own portal/database, find the right portal, what about archives?
- A developing federal architecture for marine biological data (FMBDA)
- Some examples to share marine mammal data to get the conversation started

US Federal Data Architecture



http://www.ioos.noaa.gov/biological_observations/welcome.html

Where or how do I share my data?

- Occurrence data – species, location (& abundance): OBIS, iTag, OTN, ATN
- Behavior (& environmental) data – ATN
- Acoustics: Tethys, &....?
- Genetics – GenBank, Dryad
- Photo-ID – GoMDIS (OBIS-SEAMAP)
- Health data - MMHMAP

What about ERMA and MC?

- Wildbook
- GRIIDC

Questions?

OBIS: <http://www.usgs.gov/obis-usa/>

OBIS SEAMAP: <http://seamap.env.duke.edu/>

ATN: <http://oceanview.pfeg.noaa.gov/ATN/>

GoMDIS: <http://sarasotadolphin.org/2013/02/20/introducing-gomdis-the-gulf-of-mexico-dolphin-identification-system/>

MC: <http://marinecadastre.gov/data/>

ERMA: <http://response.restoration.noaa.gov/maps-and-spatial-data/environmental-response-management-application-erma>