



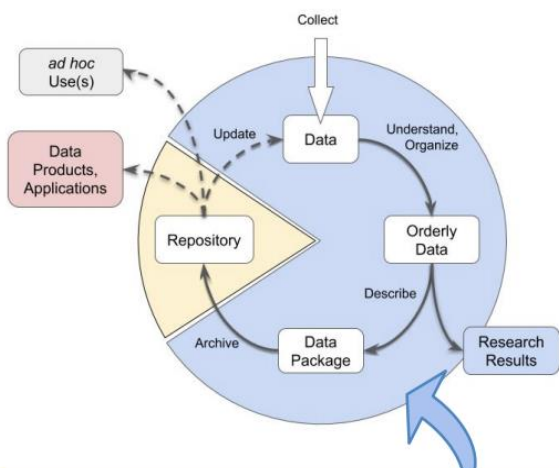
Southern California Bight MBON Data Management System

Margaret O'Brien, Bob Miller, Li Kui | University of California, Santa Barbara
mobrien@ucsb.edu, rjmiller@ucsb.edu, lkui@ucsb.edu



Introduction

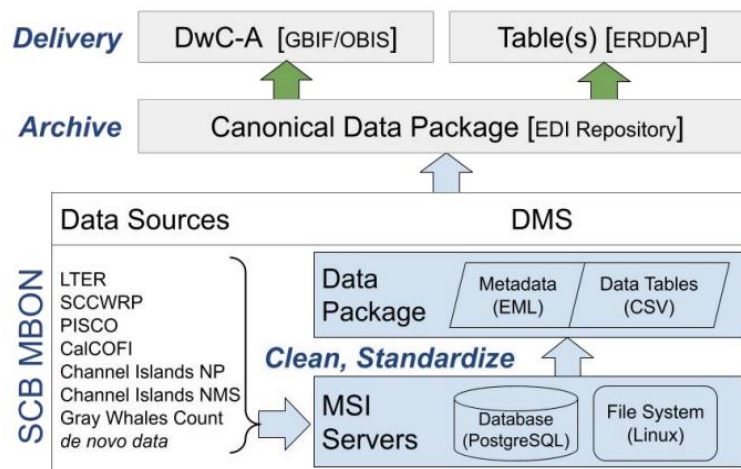
The Southern California Bight Marine Biodiversity Observation Network provides a complete picture of marine biodiversity in the region. We are developing a widely applicable research model that integrates new information with existing data to improve current research and monitoring programs.



Data in each stage of a research life cycle requires specific treatment and expertise.

A local Data Management System links local expertise to broader efforts, producing “EBV-ready” data sets.

Approach



SCB MBON...

Cleans, standardizes ad hoc data; creates a canonical data package

Repository...

Archives the canonical package to ensure reliable, long-term access

DwC-A or ERDDAP...

Provides easy **delivery** or specialized query interfaces for multiple uses

Conclusions & Recommendations

- Leverage existing systems and data management expertise.
- Archive a canonical data package in a repository that supports immutability, strong revisioning and citation.
- Use a layered approach; one format does not serve all uses.
- Transform the canonical version as needed for targeted access (e.g., by GBIF, OBIS)

<https://sbc.marinebon.org/data>

