GCOOS DATA MANAGEMENT

Data Management Foundations:

- **Community-based Vocabulary**: Use of Climate-Forecast (v59) of [CF Standard Names](https://cfconventions.org/), and [IOOS-OBIS Marine Biogeography](https://ioos.org/obis/) terms (v2.1)
- **Data format**: CSV+ISO 19115-2 Metadata, and netCDF4 compliant to IOOS/NCEI requirements ([CF](https://cfconventions.org/), [GCMD Science Keywords v8.6 rel.](https://gcmd.nasa.gov/), ACDD 1.3)
- **Data Services**: Direct Access (interactive interface available), OGC SOS (Sensor Observation Service), ERDDAP/TDS (supports many data endpoints and formats), and CKAN
- **Data Access**: Internet-based (HTTP/HTTPS, SFTP, RESTful, WMS/WCS)
- **Data Policy**: Employs [QARTOD QA/OC recommendations](https://www.ncoo.nos.noaa.gov/QAQC/), archive to NCEI and Open Data policies