NOS Data Management Working Group:

Governance and Accomplishments

NOAA Environmental Data Management Workshop
23 April, 2018
Background

- Convened by the NOS Deputies, March 2017
- Coordinated by NOS Information Management Office (ACIO)
- Appointed representatives
  - Program Offices
  - NOS EDMC rep
  - NOS GIS Committee rep
  - Subject matter experts as needed
Current Membership

- **CO-OPS**  Shawn Maddock, backup: Todd Ehret
- **IOOS**    Tiffany Vance
- **NCCOS**   Jessica Morgan
- **NGS**     David Grosh
- **OCM**     Anne Ball → Jim Boyd
- **OCS**     Patrick Keown
- **OR&R**    Michele Jacobi*
- **ONMS**    Mimi D’Iorio**, backup: Jonathan Gordon

Tyler Christensen, coordinator

* acting NOS EDMC representative
** acting NOS GIS Committee representative
Purpose and Goals

**Purpose:** to help to increase the value of NOS environmental data by expanding awareness, accessibility, and archiving.

**Goals:**
- Understand the mandates that govern NOS data management
- Measure baseline conformance
- Measure progress
- Increase efficiency and decrease duplication across LO
- Raise awareness through data success stories
- Serve as the bridge between the NOAA EDMC and NOS Programs

Not setting policy -- consistently and efficiently apply NOAA policies

**Terms of Reference** for the working group
FY17 Inventory & PARR Conformance

Methods:

● Inventory: 2015 and forward (dates of PARR and EDMC mandates)
● Understand what actions are required for publications? datasets?

Results:

● 1,499 scientific publications: 62% PARR / NIR compliant
● 252 data sets: 85% PARR / EDMC compliant
FY17 Baseline PARR Conformance - Datasets

- Data Accessible: 91%
- Data Management Plan: 67%
- ISO Metadata: 82%
- Grant FFOs require DMPs: 100%
FY17 Baseline PARR Conformance

Overall: 74% PARR conformity

- Details in our first annual report
- Baseline for improvement in future years
Archive Improvement Project

Current status: Archiving is a patchwork of agreements and work flows

Started a joint NOS-NCEI initiative to streamline the archiving of NOS data

Example Goals:

- Consolidate archiving of similar data types
- Document best practices
  - NOS data preparation
  - NCEI archive process
- High-level SLA?

Detailed talk: session 3C, 1:30pm - What, When, Where, and How to archive
Future Plans…..

- Second annual inventory & PARR assessment
- Simple data checklist & training for scientists
- Measuring data use
- Success stories
- Connecting with…
  - EDMC, NOAA Obs Systems Council, NOAA Research Council
  - Other line offices
  - Chief Data Officer
- Long-term NOS data strategy
Best of all…. We are building a community of practice for data management within NOS.
Questions or Suggestions?

data.management.working.group@noaa.gov

THANK YOU!
Backup Slides
FY17 Conformance - How to measure?

- PARR conformance measured via...
  - Data: EDMC Procedural Directives
  - Publications: NOAA Public Access Policy for Scientific Publications

- Publications: publically available via NOAA Institutional Repository

- Data:
  - Available to the public
  - Data Management Plan (DMP)
  - ISO metadata at data.gov
  - Grants: require DMP (future: data & publications available to the public)

- Data: also measured NCEI archiving and DOIs
FY17 PARR Conformance - Publications

- NOAA Tech Reports/Memos: 81%
- Journal Publications: 44%