



EDMC Report to CIO Council 2013-02-11

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EDMC Work Plan for FY 2013

- Finalize SAB Actions (due Q2)
- Host the 2013 EDM Conference
- Implement and monitor approved Procedural Directives
- Finish and approve new directives: Data Citation, Data Access
- Perform EDM Assessment of Observing Systems of Record
- Establish prototype EDM Dashboard

Finalize SAB Actions (#1 of 2)

- **Action #1: Respond to SAB report regarding the "urgent need to establish a NOAA-wide Environmental Data Management Framework"**
 - *Response: developed document describing NOAA EDM Principles, Governance, Resources, Standards, Architecture, Assessment, and Data Lifecycle.*
- **Status:**
 - 3 drafts circulated for comment to EDMC, NOSC, CIO Council
 - Draft v0.4 awaiting NEP/NEC review
 - Will be briefed to SAB March 28-29

Finalize SAB Actions (#2 of 2)

- **Action #2: Respond to SAB report which states, "A timely NOAA policy for the use of external data could improve NOAA's data activities and serve as a model for wider collaborative adoption by partners."**
 - *Response: Developed Best Practice*
- **Status:**
 - 3 drafts circulated for comment to EDMC, NOSC, CIO Council
 - Draft v0.4 awaiting NEP/NEC review
 - Will be briefed to SAB March 28-29

Host the 2013 EDM Conference

- Date: June 25-27 (2.5 days)
- Location: NOAA SSMC
- Program: under development
 - Draft list of topics at
<https://docs.google.com/a/noaa.gov/document/d/1U0tkYe12DP66YEzkd9-M954lk3z0KAzvDU4ExS0zX5M/edit?usp=sharing>

Implement and monitor approved Procedural Directives

- Directives issued pursuant to NAO 212-15, "Environmental Data Management"
 - **Data Management Planning** (2011)
 - Archive Procedure (2008)
 - **Data Documentation** (2011)
 - Data Sharing by Grantees (2011)
- New reporting mechanism established on Google Drive:
 - <https://docs.google.com/a/noaa.gov/spreadsheet/ccc?key=0AvDpNPgLE0tEdDhxUTVjWk5HbVo0ck5jcV85cDF1OXc&usp=sharing>
 - EDMC LO reps asked to indicate activities relevant to each PD before monthly EDMC meeting

Issue Data Citation Procedural Directive

- **Goal: Assign persistent identifiers to archival datasets, provide guidelines for citing data used in research or derived products**
 - License to issue Digital Object Identifiers (DOIs) available as of Feb 1
 - Working with Data Centers to start assigning DOIs and creating landing pages
 - See project plan at <https://docs.google.com/a/noaa.gov/document/d/1Ecz9zMiTNSwFQoZZb7JeEY5AuggLY4yjp-TIs43hWVQ/edit?usp=sharing>
 - Draft Procedural Directive to be completed based on implementation experience: https://docs.google.com/a/noaa.gov/document/d/1FXYZW1Ay6QNY_vvPNAJEDu38mpBvJmeoselBFul9XTU/edit?usp=sharing

Issue Data Access Procedural Directive

- **Goal: Encourage greater use of standardized online services for data access**
 - Draft outline available at
https://docs.google.com/a/noaa.gov/document/d/1m_Mdlj_fMbWo1yD4Wh0s0GNaA2l6VwPHrRef62NVCSsc/edit?usp=sharing

Establish prototype EDM Dashboard

- Initial prototype on Google Sites at <https://sites.google.com/a/noaa.gov/edm-dashboard/>

EDMC Terms of Reference

- Modified terms of reference developed for all CIO Committees
- EDMC also reports to NOSC -- will brief Feb 28 for concurrence
- Membership: suggest ToR be modified to add Geospatial Information Officer (currently Tony Lavoie) as voting member

Chair	Data Mgmt Architect	Jeff de La Beaujardière
Principal	Enterprise Architect	David Layton
Principal	NESDIS	Nancy Ritchey
Principal	NMFS	Mark Brady
Principal	NOS	Tony Lavoie
Alternate	NOS	Kim Jenkins
Principal	NWS	Harry Tabak
Principal	OAR	Michael Uhart
Principal	OMAO	Cecile Daniels
Principal	PPI	Thanh Vo Dinh
Exec Sec		Adam Steckel



NOAA EDM

Backup Slides

NOAA Environmental Data Management Framework

Data Management Framework

Principles				
Governance				
Resources				
Standards				
Architecture				
Assessment				
Data Lifecycle	Data Lifecycle	Data Lifecycle	Data Lifecycle	Data Lifecycle

- Purpose: To organize, guide and support NOAA environmental data management activities.
- Mandate: SAB recommendation to NOAA.
- Conforms to inter-agency DM Framework in *National Earth Observations (NEO) Strategy, ch. 4 (Data Mgmt)*.

Data Lifecycle

*Planning and
Production
Activities*

Requirements Definition
Planning
Development
Deployment
Operations

*Data
Management
Activities*

Collection
Processing
Quality Control
Documentation
Cataloging
Dissemination
Preservation
Stewardship
Usage Tracking
Final Disposition

*Usage
Activities*

Discovery
Reception
Understanding
Analysis
New Product Generation
User Feedback
Citation
Tagging
Gap Assessment

Data Lifecycle Activities

Obs. System of Record EDM Assessment

- Goal: For NOAA-owned Observing Systems of Record ($63 \leq N \leq 86$), determine
 - Data Management plan existence/location
 - Data Center used for long-term preservation
 - Metadata location & format
 - Data access services offered

**CORL=Consolidated Observing Requirements List.
NOSA=NOAA Observing Systems Architecture.*

- Schedule:

Task	Date
Extract information from CORL/NOSA* database	2012-12-14
Prepopulate assessment	2013-02-01
Present preliminary results to NOSC	2013-02-28
Issue Data Call (via NOSC)	2013-03-01
Load Data Call responses into database	2013-05-01
Brief results to NOSC	2013-05-23
Report results at EDM Conf	2013-06-04
Follow-up with Obs. Syst. owners	2013-06 onward