

# NOAA Environmental Data Management Workshop

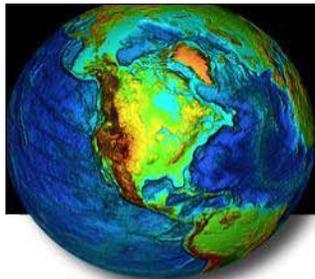
---

**Helen Wood**

Chair, Environmental Data Management Committee

May 26, 2010





# Environmental Data Management Lifecycle

## Overarching all Aspects of the Data Management Life Cycle

**Governance, Requirements Management, Architecture Management**

**Developing and maintaining rich metadata to accompany the data**

**Establishing mechanisms that allow for user requirements and feedback**

### Planning of New Observing or Data Management Systems

- Requirements Definition
- Analysis of Alternatives
- System Design
- Integration with observing systems (NOAA, Interagency/ State, International)
- Determining what to archive and associated funding
- Buy/build

### Stewardship Overarches Observing Operations, Archive, Access, Use

-All ongoing, iterative processes that improve:

- a) data & metadata content (includes reprocessing data)
- b) access & user understanding

### Observing Operations

- Actual Observation
- Transmission / Processing / QA
- Integration with other data to create products (e.g., models)
- Dissemination to real-time Subscribers
- Delivery to Archive

### Archive

- Ingest (Receipt)
- Archival Storage
- Data management (populating catalogs, registries, metadata)
- Preservation Planning (migration to new technologies)

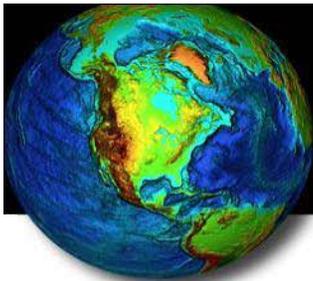
### Access

- Discovery (catalogs, registries, metadata)
- Dissemination to Users (web services, legacy systems, standard formats)

### Use

- Integration w/other information (NOAA, others)
- Assimilation into models
- Product creation
- Make decisions (Policy, emergency, others)
- Scientific discovery
- Feedback to NOAA





# May 26 Agenda

<b>Session</b>	<b>Location</b>	<b>Time</b>
<b>Direction/Charge for Breakout Sessions</b>	NOAA Auditorium	8:30-9:15
<b>Morning Breakout Sessions</b> 1. Documenting Environmental Data 2. Data Access Services	1. SSMC 3, 4527 2. Auditorium	9:30-12:00
<i>Lunch</i>		12:00-1:00
<b>Afternoon Breakout Sessions</b> 1. Data Interoperability and Use 2. Long-term Preservation and Stewardship	1. Auditorium 2. SSMC 3, 4527	1:00-3:30
<b>Closing Session/Wrap up</b>	NOAA Auditorium	4:00 -5:00

