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# Creation of a NOAA Standing Data Archiving and Access Requirements SAB Working Group

A Proposal for: NOAA's Science Advisory Board

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# Outline

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- Purpose of Working Group
- Rationale
- Immediate issues to address
- Working group member qualifications
- FY06 Priorities



# NOAA Standing Data Archiving and Access Requirements Working Group

## *Purpose*

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- **Purpose:** Provide recommendations to NOAA:
  - Help prioritize specific data sets & products that NOAA should archive and;
  - Make specific recommendations with respect to data access consistent with established principles and guidelines, e.g., see below.
- **SAB Working Group other reports**
  - NRC letter report to outline principles and guidelines as to what NOAA should archive (due May 2006)
  - Longer NRC report completed in FY07 would include principles and guidelines regarding data & information access
  - Government Internal Review of CLASS (May 2006)



# NOAA Standing Data Archiving and Access Requirements Working Group



## *Rationale*

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- **Dept. of Commerce directive:**
  - NOAA to complete study on data archive requirements with focus on Comprehensive Large Array Data Stewardship System (CLASS)
- **Exponential growth** in data volume projected:
  - Current and planned observing systems
  - NOAA and partners ability to generate new data products
- **Value of ongoing advice** from SAB group of external users and experts



# NOAA Standing Data Archiving and Access Requirements Working Group

## *Immediate Issue for Working Group*

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### **Evaluate: CLASS data archive/access requirements (Comprehensive Large Array Stewardship System)**

- CLASS is expected to evolve into the preferred architecture for all NOAA data archive and access systems
  - All NOAA Goals rely on data that will be within the CLASS data environment
- **CLASS will provide the storage, archive, and access to large-array data sets:**
    - Satellite (POES, DMSP, GOES, EOS-MODIS, NPOESS, NPP, Metop)
    - Radar (NEXRAD and future dual polarized and phased-array radars)
    - Model Data Sets (Weather and Climate)
    - Provide access to smaller scale ancillary data sets that are essential for these large array data sets
    - Build upon systems already in place and to coordinate with those being planned that contribute to an integrated GEO data environment



# NOAA Standing Data Archiving and Access Requirements Working Group

## *Membership Qualifications*



- Working Group Membership Qualifications
  - Representation from the many science disciplines across NOAA
  - Knowledge of data management principles

*Data Management consists of two major activities conducted in coordination: data management services and data stewardship. They constitute a comprehensive end-to-end process including movement of data and information from the observing system sensors to the data user. This process includes the acquisition, quality control, metadata cataloging, validation, reprocessing, storage, retrieval, dissemination, and archival of data.*

**NOAA Observing System Council  
Approved Definition**



# NOAA Standing Data Archiving and Access Requirements Working Group



## *FY06 Priorities*

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- Form SAB working group by April 2006 to coincide with May 2006 NRC report on archive principles and guidelines
- Address CLASS data requirements as first task
- Issue preliminary recommendations on CLASS by Fall 2006



# The End

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