

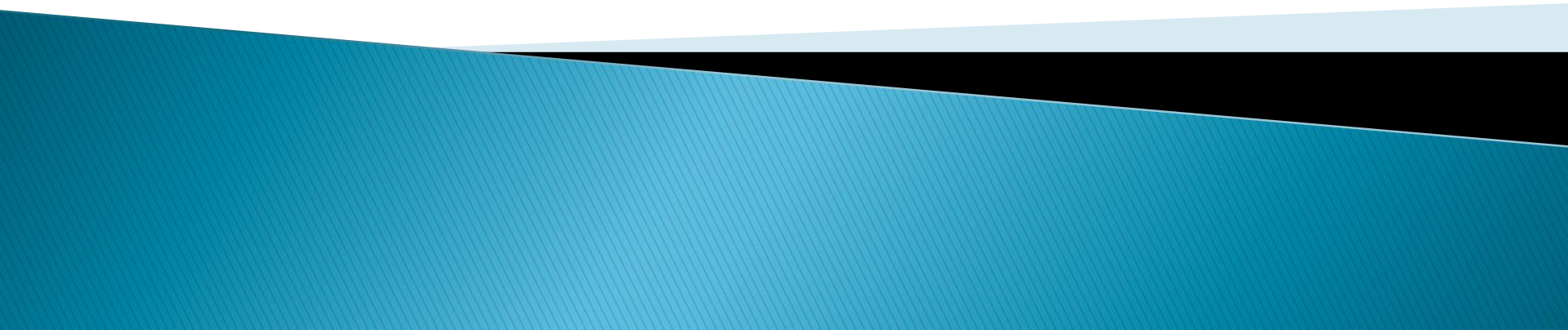
UCAR/NCAR Research Data Management Town Hall

3/18/2013



Introduction

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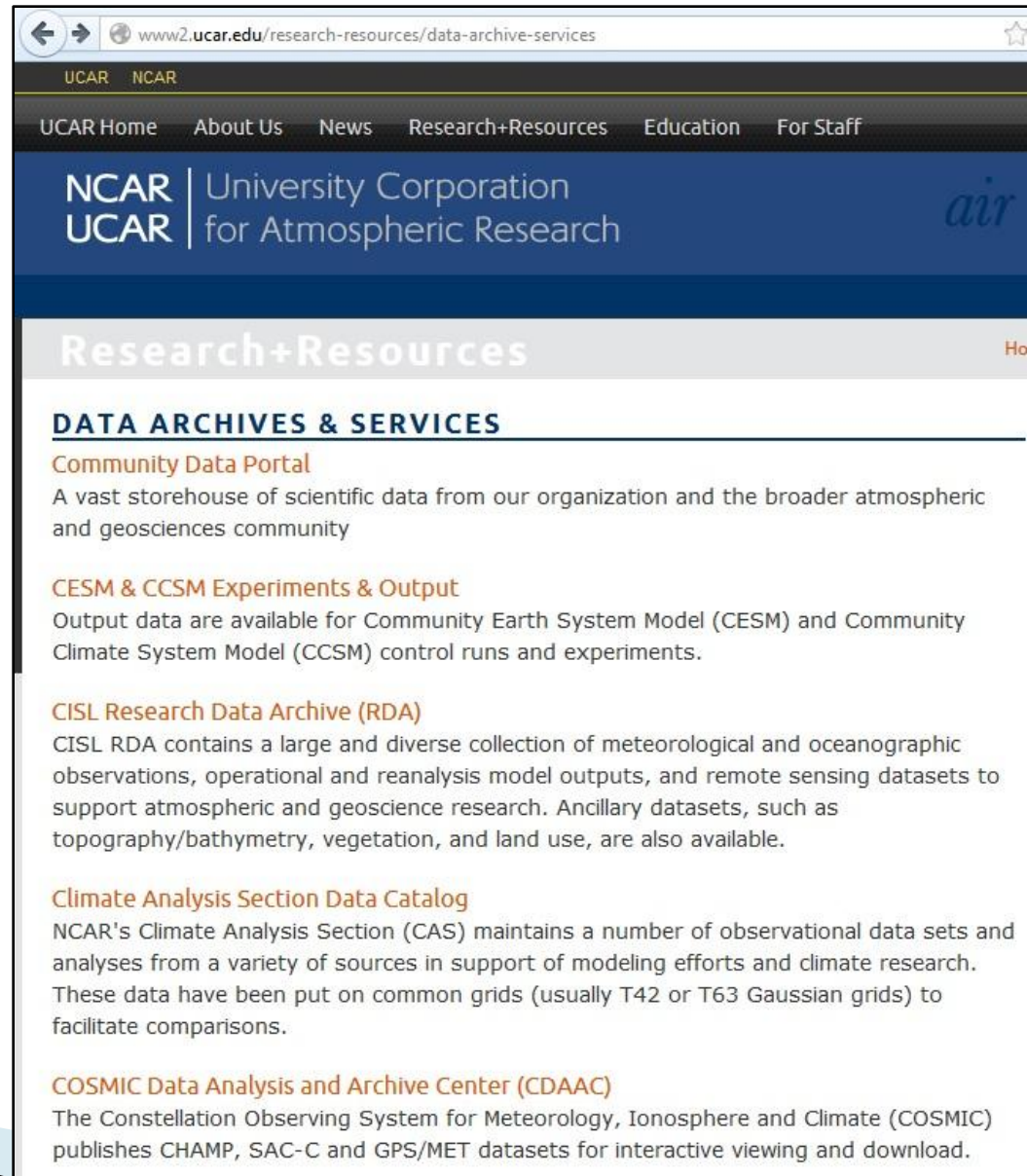
Vision

“The UCAR data management vision is to make data and information services uniformly available to the UCAR community with transparent wide area access to these services – and thus provide seamless access to data independent of how and where they are collected and stored.”

- Data Management Strategic Plan
(Lawrence Buja, et al., May 1, 2001)

Why?

- ▶ Lots of data
- ▶ Inconsistent services
- ▶ Uneven coordination



The screenshot shows a web browser window with the URL www2.ucar.edu/research-resources/data-archive-services. The page header includes "UCAR" and "NCAR" logos, and a navigation menu with links for "UCAR Home", "About Us", "News", "Research+Resources", "Education", and "For Staff". The main content area is titled "Research+Resources" and features a section for "DATA ARCHIVES & SERVICES". This section lists several data services:

- Community Data Portal**: A vast storehouse of scientific data from our organization and the broader atmospheric and geosciences community.
- CESM & CCSM Experiments & Output**: Output data are available for Community Earth System Model (CESM) and Community Climate System Model (CCSM) control runs and experiments.
- CISL Research Data Archive (RDA)**: CISL RDA contains a large and diverse collection of meteorological and oceanographic observations, operational and reanalysis model outputs, and remote sensing datasets to support atmospheric and geoscience research. Ancillary datasets, such as topography/bathymetry, vegetation, and land use, are also available.
- Climate Analysis Section Data Catalog**: NCAR's Climate Analysis Section (CAS) maintains a number of observational data sets and analyses from a variety of sources in support of modeling efforts and climate research. These data have been put on common grids (usually T42 or T63 Gaussian grids) to facilitate comparisons.
- COSMIC Data Analysis and Archive Center (CDAAC)**: The Constellation Observing System for Meteorology, Ionosphere and Climate (COSMIC) publishes CHAMP, SAC-C and GPS/MET datasets for interactive viewing and download.

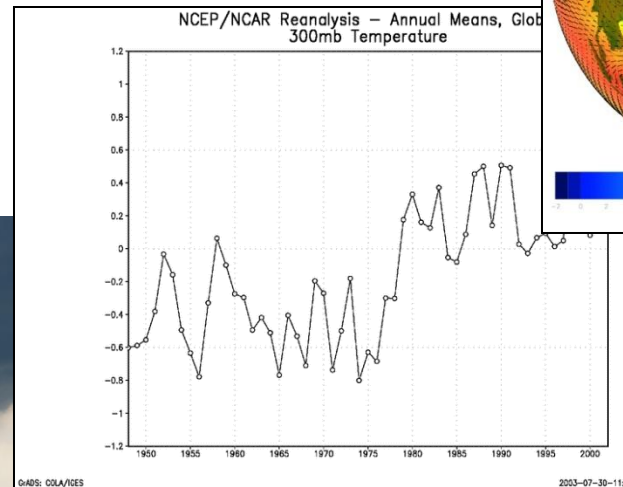
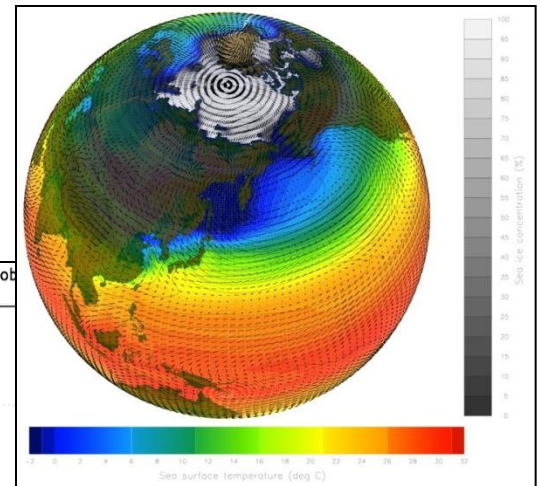
Why Now?

- ▶ Strategic plans
 - NCAR Strategic Plan
 - ITC Strategic Plan – Data Services working group
- ▶ Funding agency requirements
 - 2011 NSF data management planning requirement
 - 2013 White House Directive, “Opening Up Access to Scientific Research”

<http://www.whitehouse.gov/blog/2013/02/22/expanding-public-access-results-federally-funded-research>

Meeting Topics

- ▶ Data Diversity
- ▶ Big Data



Outcomes and Next Steps

- ▶ Inform and feed into strategic plans
- ▶ Organizational data management survey
- ▶ Identify opportunities and priorities for cross-cutting initiatives
- ▶ Kick start interest and activity related to data
 - Share tips and tools and identify collaborators/partners
 - Quarterly data management seminar series
 - Revive Data Management Working Group?
 - Email list already exists:
<http://mailman.ucar.edu/mailman/listinfo/dmwg>

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