

UCAR-NCAR Research Data Management Town Hall

March 19, 2013, 10:00am-noon, Foothills Laboratory, FL2 1022

Scientific progress is dependent on digital tools and digital data. Many of the most critical scientific questions in the geosciences can only be answered through sharing, integrating, and synthesizing digital data in new ways.

With strategic planning activities ongoing around the organization, and federal funding agencies instituting new data management requirements for grant recipients (see the Feb. 22, 2013, White House directive on "[Expanding Public Access to the Results of Federally Funded Research](#)"), this is an opportune time to evaluate how UCAR/NCAR's approach to research data management is, or is not, meeting scientific needs.

This town hall meeting brings together scientists, software engineers, data managers, and system administrators from across UCAR and NCAR to discuss research data management challenges and opportunities. What do UCAR/NCAR divisions need with regard to research data management? What are the big opportunities and priorities that will transform our ability to manage, access, and preserve research data now and into the future?

The town hall sessions, "Data Diversity" and "Big Data", will lead off with a number of short talks. Each session will then center on open discussion with the audience.

This meeting will feed into the NCAR and ITC strategic planning processes by identifying priorities for next generation data systems/services.

For more information, contact Matt Mayernik at ext. 1183, mayernik@ucar.edu.

AGENDA

10:00 AM

Data Diversity - Managing highly heterogeneous and complex data sets. What data management issues are slowing down scientific progress, and what opportunities exist to make improvements?

Panelists:

- Mike Daniels (EOL) – Field data – Real time data feeds and complex data streams.
- David Gochis (RAL) – Data heterogeneity – Working with university partners
- Bob Dattore (CISL) – Data Diversity in the Research Data Archive
- Don Middleton (CISL) - Advanced Cooperative Arctic Data and Information Service (ACADIS)
- Discussion - Moderated by Mohan Ramamurthy (Unidata)

11:00 AM

Big Data – Managing large-scale data sets and associated data management infrastructures. What data management issues are slowing down scientific progress, and what opportunities exist to make improvements?

Panelists:

- Gary Strand (NESL CGD) – Community Earth System Model (CESM)
- Seth McGinnis (IMAGe) – North American Regional Climate Change Assessment Program (NARCCAP)
- Dave Schneider (NESL CAS) – Climate Data Guide
- Steve Worley (CISL) – Research Data Archive - Big Data
- Discussion - Moderated by Matt Mayernik (NCAR Library)