Research Funder Requirements for Data Management
Norlin Learner's Lunch, April 1, 2015
Background
National Science Board (2005):
The NSF should require that research proposals for activities that will generate digital data, especially long-lived data, should state such intentions in the proposal so that peer reviewers can evaluate a proposed data management plan.
National Science Foundation (2011):
Proposals submitted or due on or after January 18, 2011, must include a supplementary document of no more than two pages labeled ‘Data Management Plan’.
Office of Science and Technology Policy (2013):

Digitally formatted scientific data resulting from unclassified research supported wholly or in part by Federal funding should be stored and publicly accessible to search, retrieve, and analyze.
Office of Science and Technology Policy (2013):

Ensure that all extramural researchers receiving Federal grants and contracts for scientific research and intramural researchers develop data management plans.
Links to and analysis of all OSTP responses:

Office of Science and Technology Policy (2014):

Indeed, the great majority of the attention to these policies has focused on making scientific publications available. But we believe that even larger societal benefits will be gained through Federal efforts to make scientific data available for analysis and reuse.
Office of Science and Technology Policy (2014):

Requiring federally funded scientific researchers to detail how and where they will make their data available in data-management plans is an important first step for increasing access to valuable scientific data, but it is not sufficient to drive the desired sea change in practice across scientific disciplines.
Office of Science and Technology Policy (2014):

We are therefore working with Federal Departments and Agencies now to implement policies that require the deposition of research data underpinning the results described in scientific publications of federally funded scientific research in publicly accessible repositories.
CU-Boulder requirements:

- Innovative Seed Grants now require Data Management Plans
- Best Digital Data Management Plans and Practices competition
- 2014 Best DMP winning plans: https://data.colorado.edu/cudmpguidance
- 2015 Best DMP competition this summer
Updated list of current DMP guidelines (not just Federal agencies):

https://dmptool.org/guidance
How to Meet DMP Requirements
Basic DMPs address:

- What types of data will you produce?
- What (if any) standards will you use?
- When and how will you share data?
- What can people do with your data?
- How will you archive and preserve data?
DMPTool

- http://dmptool.org
- Tool for creating custom data management plans to meet specific funder requirements
- Log in with IdentiKey
Research Data Services

- Collaboration between Libraries, Research Computing, and OVCR
- http://data.colorado.edu
- data-help@colorado.edu
- Support for DMPs and any other research data questions
Also keep an eye on...
...publishers

- Many now have data archiving/access policies (e.g., Nature, PLOS, Science, AGU, etc.)
- Joint Data Archiving Policy: http://datadryad.org/pages/jdap
- Require data deposited in public archives
Thanks! Questions?
References

- Slides 5-6: http://www.whitehouse.gov/sites/default/files/microsites/ostp/ostp_public_access_memo_2013.pdf
References