US Perspectives on Data Management Planning

Recent Activities of Funders and Library Support Organizations

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US Funding Agencies

• Big Drivers
  – National Science Foundation
  – National Institutes of Health

• Other Funders that Require DMP’s
  – US Dept of Energy
  – Office of Naval Research
  – US Dept. of Education
  – US Environmental Protection Agency
  – Agency of International Development
  – National Oceanographic and atmospheric research
  – American Heart Association
  – Alfred P. Sloan Foundation
  – Institute of Museum and Library Services
  – National Endowment of Humanities – office of digital humanities
NSF

• Began requiring DMP as of January 18, 2011

• Initially, high level of guidance and requirements, now 2 years later many of the individual directorates offer guidance and requirements specific to their programs, and sometimes, to specific solicitations

• NSF now allows and encourages citing products, such as data sets in biosketch.
  – Products must be citable and accessible
Many Funders – Many requirements

- Great article - examines 22 Data Management requirements from 10 common STM funders

“De-mystifying the data management requirements of research funders”


[http://www.istl.org/12-summer/refereed1.html](http://www.istl.org/12-summer/refereed1.html)

DOI:10.5062/F44M92G2
White House Policy

• Office of Science & Technology Policy
  – DataJams – value of open government data
    • http://www.whitehouse.gov/blog/2013/01/03/datajam-innovators-and-entrepreneurs-unleash-open-data-global-development
  – Will soon require that data created by government not only be open, but MACHINE READBALE
    • http://www.federalnewsradio.com/239/3182982/OMB-OSTP-finalizing-policy-to-mandate-data-be-open-computer-readable-
Library Organizations

• Encouraging Collaboration
• Providing opportunities to create a shared awareness of the complexity of issues
• Creating a DMP should not be a “check-box” administrative process – opportunity to think strategically about the library and the role it plays in a data driven research environment.
  – Association of Research Libraries (ARL)
  – Council on Library and Information Resources (CLIR)
  – ASERL (Association of Southeastern Research Libraries)
ARL/DLF Escience Institute

- **Goal:** to create a strategic agenda that would inform data management policy and services
  - Early Investing 70 insitutions put in $ to develop institute
  - First webinars offered in July 2011
  - Interactive modules took small teams of individuals from academic institutions through a dynamic learning process to strengthen and advance their strategy for supporting digitally dependent research.
  - **Goal:** to create a strategic agenda that would inform data management policy and services
  - Institute experience being offered in partnership with Duraspce
    - additional 22 insitutions have participated
      - [http://duraspace.org/e-science-institute](http://duraspace.org/e-science-institute)
ASERL/SURA

- Developing model language for their member universities to consider when drafting policy to support data management practices and infrastructure at their institutions

- Draft available here:
Digital Preservation Network

- [www.dpn.org](http://www.dpn.org)
- Network of over 50 Academic Institutions
- Distributed networked approach
- Long-term preservation solution shared collectively across the academy
CLIR: Digital Library Federation

- Data Curation Post Doctoral Program
  Creating a professional career path for data specialists aligned with the discipline but grounded with data curation community.
  - Science and Social Sciences
    - Funded by Alfred P. Sloan
      http://www.clir.org/fellowships/postdoc/applicants/dc-science
  - Medieval Studies
    - Funded by Mellon Foundation
      http://www.clir.org/fellowships/postdoc/applicants/dc-medieval
Challenges

• Resisting the urge to “do the process”
• Take the time have the hard conversation about priorities and strategy and how the library fits in.
• Avoid trying to provide comprehensive solutions locally – take advantage of “The Network”
• Data provides a transformative moment for libraries – let’s not waste it!