Starting the Conversation

University-wide Research Data Management Policy

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Overview

- Genesis and approach
- Benefits and advocacy
- Stakeholders
- The conversation
Source

- OCLC
  - OCLC Research
    - OCLC Research Library Partnership
      - Advancing the Research Mission
        - Library’s Role in Data Curation
          - Data Curation Working Group
Data Curation Working Group

- Daniel Tsang, University of California, Irvine (Chair)
- Anna Clements, University of St. Andrews
- Joy Davidson, Digital Curation Centre
- Mike Furlough, Pennsylvania State University
- Amy Nurnberger, Columbia University
- Sally Rumsey, University of Oxford
- Anna Shadbolt, University of Melbourne
- Claire Stewart, Northwestern University
- Beth Forrest Warner, Ohio State University
- Perry Willett, California Digital Library
Distribution

- Data Curation Working Group
- OCLC Research Library Partnership Listservs
  - OCLC Publication
  - EDUCAUSE Review Online
  - CNI Fall Briefing
  - ???
Benefits of data management

- Validation of results
- Reuse in new areas of research
- Curation throughout data lifecycle
- Efficiencies of scale
- Clear expectations for data managers
- Uniform requirements for researchers
- Consistent standards foster harmony
- Ease compliance and improve access
- Benefit all research
Stakeholders

- The University
- Office of Research
- Research Compliance
- IT Department
- Researchers
- Academic Units
- Library
The University

- Assets from research mission
- Safeguard investment
- Balance commercialization with sharing
- Responsible steward
- Economical and sustainable
- Contribution to the public good
- Ensure future research funding
- Commitment to open access
- Contribute to academic integrity and responsible stewardship
Office of Research

• Administers sponsored research
• Key contact with funding agencies
• Responsibility for technology transfer, patent, IP
• Tracks awards, progress reports, and completion
• Point of coordination
• Interest in funding, policy, and governance
• Assists researchers with data mgmt costs
• Embed data management into workflows
Research Compliance

• Compliance with policies and regulations
• Reviews policies, weighs benefits and risks
• Training, communication, and enforcement
• Uniformity of data management expectations, requirements, and standards
• Measures of validation
• Responsibilities to data housed elsewhere
• Impacts of changing data retention requirements
IT Department

• Data acquisition, storage, management, security, integration, mining, and visualization
• Systems for documenting, depositing, managing, archiving, and preserving data
• Search and retrieval and access
• Economies of scale, integration
• Coordinating technology and expertise
• Integration with CRIS, VRE to make data management part of the researchers' workflow
Researchers

• Career advancement depends on research outputs.
• Confront a mix of requirements
• Negotiate publishing agreements
• May deposit data in external repositories
• Resist new administrative burdens
• Trust is critical
• Must be informed of decisions and procedures
Academic Units

- Manage research projects
- Support proposal writing, budgets
- Administration and tracking
- Some have their own technology infrastructure
- Close relationships with the researchers
- Good conduits for communication
- Might welcome guidance and infrastructure
The Library

- Experience with selection, repositories, preservation, and access
- Subject area and functional liaisons
- Help with appraisal, deposit, retention, metadata
- Researcher name disambiguation
- Copyright and privacy issues
- Guidance for deposit in external repositories
- Creation of data-management plans
- Who Owns the Data? University? Funding agency? Researcher?
- What Requirements are Imposed By Others? Funders? Publishers? Other institutions?
- Which Data Should Be Retained? Only data worth keeping. Data from failed experiments? Data derived from secondary analysis?


• Are there Ethical Considerations? IRB or grant conditions? IP, privacy, or access restrictions? Consent forms? Risk management?


• How Open Should the Data Be? Constraints? Share case-by-case? Embargoes? Justification provided?
• How Will Costs Be Managed?

• What are the Alternatives to Local Data Management?
  National, international, or discipline-based data center? Other institutions? Local metadata for external data? Multiple homes?
Changes ahead

- Office of Science and Technology Policy mandate
- ARL, AAU, and APLU’s proposal, "SHared Access Research Ecosystem (SHARE)
- 30 organizations that archive scientific data released a call for action urging the creation of sustainable funding streams
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