

***Building a Community of Practice for Research Data Services***  
Experience of CLIR/DLF E-Research Peer Network & Mentoring Group

Presentation for DLF Forum 2014  
Atlanta, GA



# Background & Presentation Outline



- E-Research Peer Network & Mentoring Group (ERPNUMG)
  - CLIR/DLF program – 8 peer institutions from US and Canada
  - Inter-institutional Community of Practice for professionals in research data services, facilitated by ERPNUMG faculty and postdoctoral fellows
  
- 4 ERPNUMG Peer Institutions (30 min)
  - Current state – ERPNUMG experience – future plans
  
- ERPNUMG Postdoctoral Fellows (10 min)
  - Program outcome
  
- Q&A / Discussions (15 min)
  - Interactions & collaborations with other Communities of Practice

# + ERPNMG-Peer Institutions



- Chris Kollen (University of Arizona)
- Sarah Williams (University of Illinois at Urbana-Champaign)
- Mayu Ishida (University of Manitoba)
- Kathleen Fear (University of Rochester)



# University of Arizona

Christine Kollen, Data Curation Librarian

# Research Data Management – Current state

UA Libraries, in collaboration with the Office for Research and Discovery, provides research data management services (RDM) to researchers. The following services are currently provided:

- ❑ Data Management Resources website at <http://data.library.arizona.edu>
- ❑ Consultation on data management plans and metadata standards
- ❑ Customized data management workshops
- ❑ Data management tutorial at [http://www.library.arizona.edu/tutorials/data\\_management\\_plan](http://www.library.arizona.edu/tutorials/data_management_plan)
- ❑ DMP Tool implemented for campus
- ❑ Campus started to offer box.com implemented for faculty, staff, and students



# University of Arizona's Experience

In addition to the data curation librarian, two UA liaison librarians participated in ERPNUMG

- ❑ Helped us to more fully understand RDM and related issues
- ❑ As a group, we have started to discuss future RDM plans

Made connections with other institutions in ERPNUMG who have excellent ideas and experience that will help move us forward

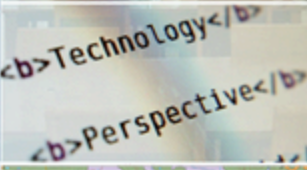
- ❑ Other institution's experience with Digital Assets Management Systems and data repositories
- ❑ Ideas for training liaison librarians in RDM
- ❑ Range of outreach activities other institutions have implemented



# Future Plans

- ❑ How does research data management fit into the Library's broader research services?
- ❑ Develop research data management workshops
  - ❑ For liaison librarians
  - ❑ For researchers and graduate students through Office for Research and Discovery and relevant colleges and units
- ❑ Present and discuss the Research Data Management Survey Report and Recommendations with the Research Computing Governance Committee and the Committee's sponsors for support and next steps
  - ❑ Publish an article about the survey and its results
- ❑ Looking forward to continuing our connections with ERPNUMG institutions





# University of Illinois at Urbana-Champaign

Sarah C. Williams  
Life Sciences Data Services Librarian

UNIVERSITY LIBRARY  
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN



# Current State of Research Data Services at UIUC

- Developing a Research Data Service (RDS) to provide expertise, tools and infrastructure to manage and steward research data. The RDS builds on and expands what has previously been done by individuals and committees in the Library.
  - Provide a series of data management workshops
  - Customize the DMPTool
  - Investigate storage for active data

# ERPNUMG Experience

- Successes
  - Created opportunities for UIUC team members to meet regularly.
  - Connected with new individuals and institutions that are working on similar initiatives.
- Challenges
  - UIUC did not have a specific project or outcome in mind for ERPNUMG participation.
  - ERPNUMG covered a wide variety of topics, so it was difficult to go into great detail on all topics.

# Future Plans at UIUC

- Will continue to develop the RDS. The initial goal is to ensure that researchers are able to comply with funding agency and publisher requirements for data management and sharing.
- Aided by our ERPNUMG experience, we will focus on:
  - Outreach and engagement
  - Assessment plans

# University of Manitoba

Mayu Ishida

Research Services Librarian



## Current State of Research Data Services @ U of Manitoba Libraries

- SoSci Data Librarian & GIS Librarian
  - Access to aggregate, survey, and GIS data
  - Visualization services by GIS Librarian
- Digital Archivists
  - Preservation of digitized and born-digital content
- Research Services Librarian
  - Workshops, coordination with other campus units
- Institutional repository (MSpace)
  - Small datasets (spreadsheets)
- Faculties, departments and labs managing data on their own



## ERPIMG Experience

- Learned from peer institutions about:
  - Teaching data management
  - Consulting on data management plans
  - Assessing, promotion/marketing
- Assessed our own services
  - Education: NECDMC pilot, workshops, DMP template
- Started building a communities of practice
  - Shared purpose, shared experience
  - Mutual learning, learning by doing



## Future Plans @ U of Manitoba Libraries

- Education
  - Data management training for library staff
  - More outreach to grad students & faculty
- Assessment
  - Assessment of data management needs on campus
  - Metrics to measure our service outcome/success
- Infrastructure
  - Data repository pilot (Dataverse)
  - Proposal for a visualization studio by GIS Librarian



# University of Rochester

*Kathleen Fear*



UNIVERSITY *of* ROCHESTER



# Current State

- Developing data services (research as well as numeric/spatial)
- Main activities:
  - Data and GIS workshops (2x monthly)
  - DMP consultation and resources
  - Data archiving pilot





# ERP NMG Experience

- **Successes**

- Opportunity for librarians who aren't typically involved in data to join in on webinars
- Other institutions have great ideas that we will copy :)

- **Challenges**

- Easy to put participation on the back burner. We did our assignments but did not contribute much to discussions on the listserv, etc.





# Future Plans

- **Revise our e-Science agenda**
  - First e-Science agenda focused heavily on starting research data services, but we want to think bigger now. How does research data fit in with the rest of our activities in the science library and the library as a whole?
- **ERPNUMG experience has specifically prompted us to:**
  - Start doing more thorough assessment of our services
  - Create new opportunities for outreach (implement a data purchase program, train subject liaisons to review data management plans, etc.)





# ERPNUMG Postdoctoral Fellows



- Inna Kouper (Indiana University)
- Kendal Roark (University of Alberta)

# + Program Outcomes

## Awareness

- Interactions with library and university administration
- Attention to library services and infrastructure capabilities (tasks, scope, goals)
- Evaluation metrics and analyses

## Resources

- Best practices and examples
- Professional development

## Action

- Survey design, feedback and launch
- Outreach and instruction (workshops, seminars, one-on-one meetings)
- Drafting policies (data use agreements, strategic plans)

## Community

- Platform for communication
- Library of solutions
- Peer / alumni mentorship
- Collaborative project

# + Q&A / Discussions



- Any chance to collaborate among the ERPNMG-peer institutions and involve other institutions?
- How can this Community of Practice learn from and benefit from other Communities of Practice in research data services?