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# Developing Meaningful Data Services at the University of Massachusetts Amherst Libraries [poster]

Rebecca C. Reznik-Zellen, *University of Massachusetts - Amherst*

Maxine Schmidt, *University of Massachusetts - Amherst*

Jessica Adamick, *University of Massachusetts - Amherst*

MJ Canavan, *University of Massachusetts - Amherst*

Steve McGinty, *University of Massachusetts - Amherst*



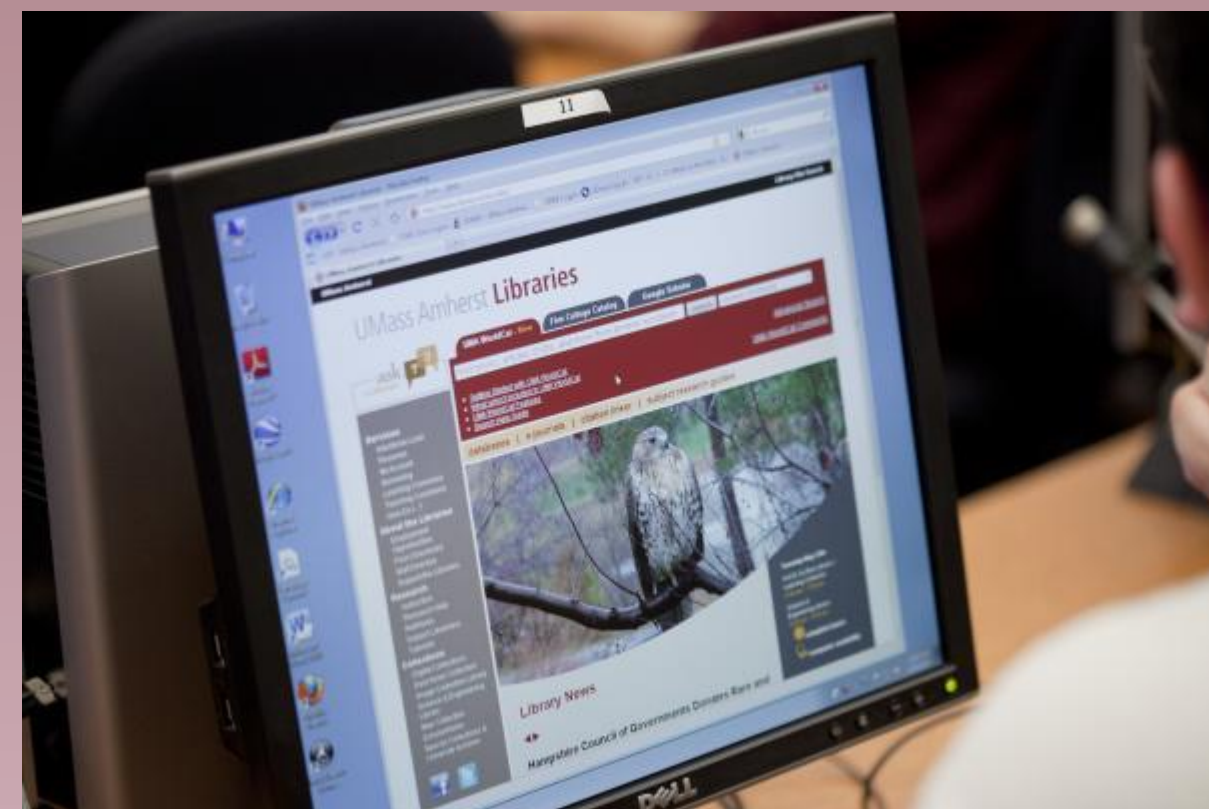
# Developing Meaningful Data Services at the University of Massachusetts Amherst Libraries

Jessica Adamick, MJ Canavan, Steve McGinty, Rebecca Reznik-Zellen, Maxine Schmidt  
University of Massachusetts Amherst Libraries' Data Working Group



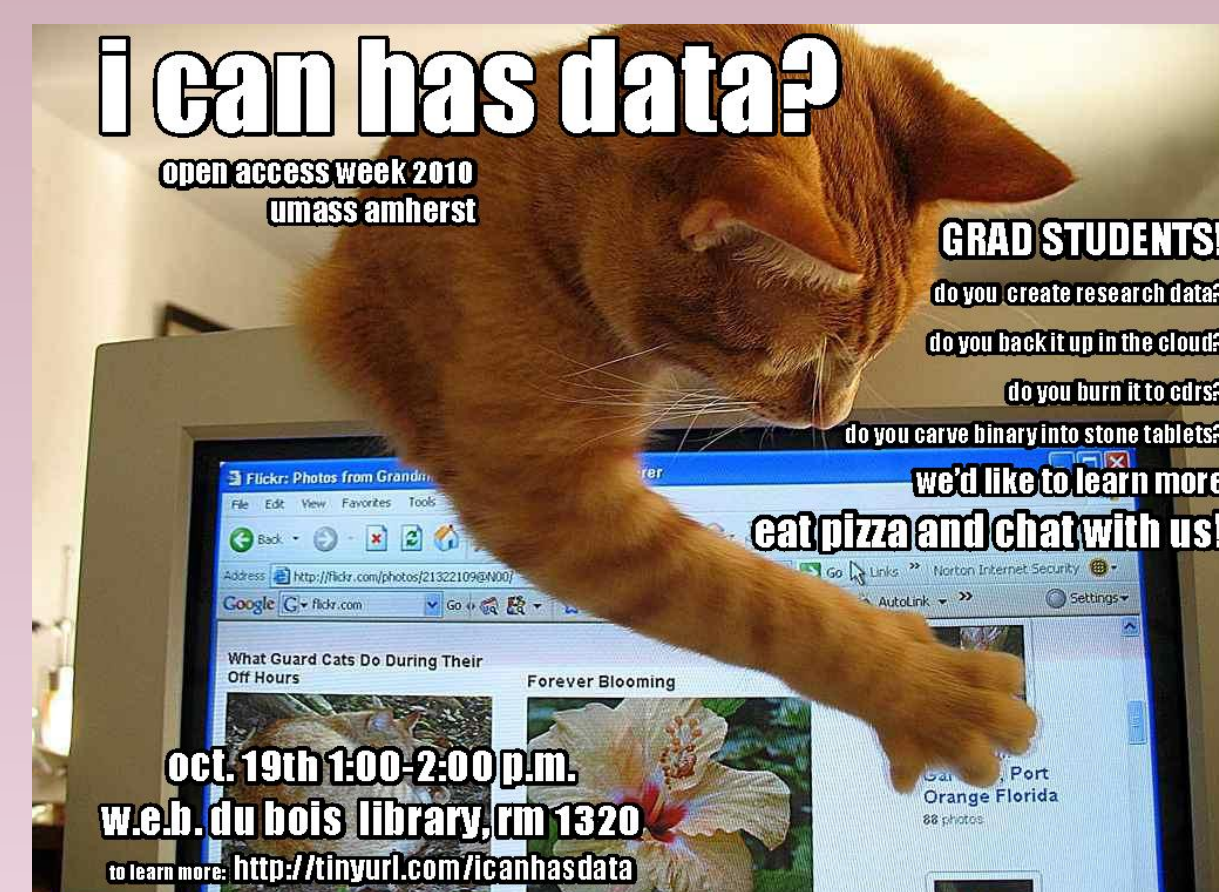
## Faculty Interviews

Pre- and post-submission conversations about the NSF mandate



## Web Audit

Inventory of peer and model institutions' data management services



## Grad Student Focus Group

Conversation about students' data management needs and issues

Understand local practice  
and national trends

## Tier 1: Education

Educate campus communities on data management

- LibGuide or other online guides with data management plan templates, information about standards and best practices, and links to funding agency policies
- Data management basics workshops

## Tier 2: Consultation

Consult with faculty and researchers on a variety of data management issues

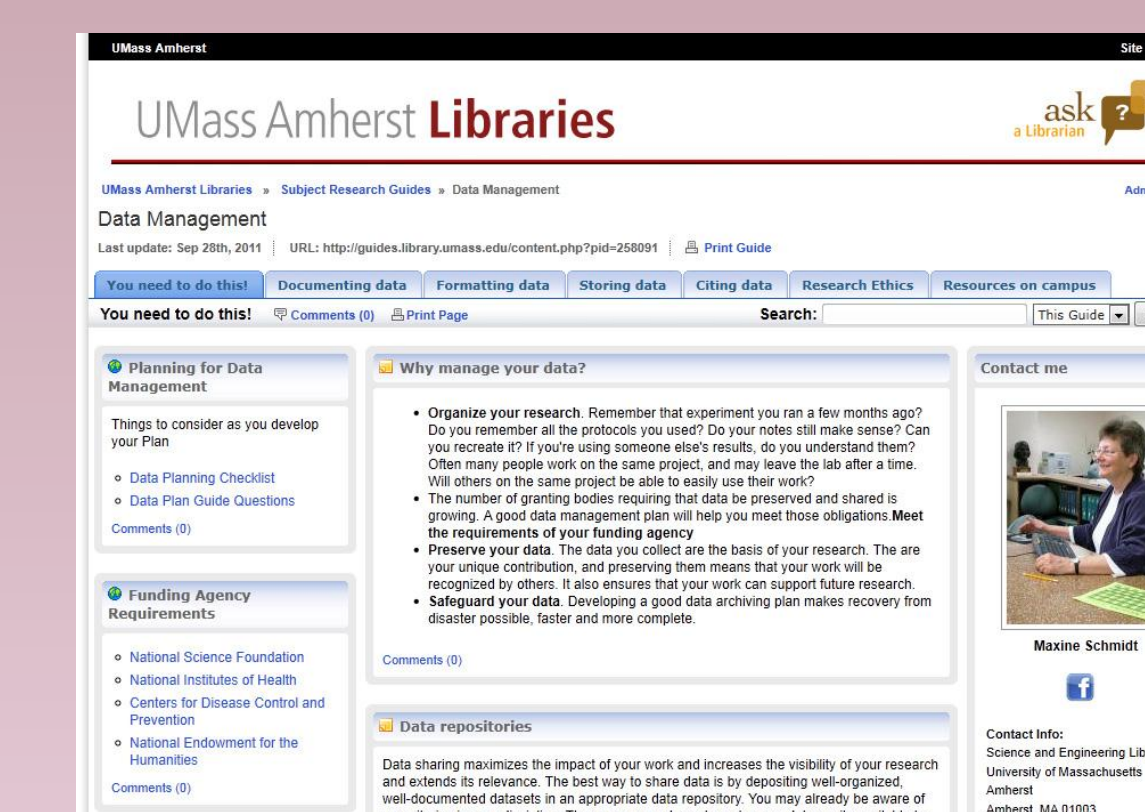
- Funder requirements for data management plans
- Best practices for description and organization
- Long and short-term preservation strategies

## Tier 3: Infrastructure

Provide infrastructure for data management and curation to campus communities

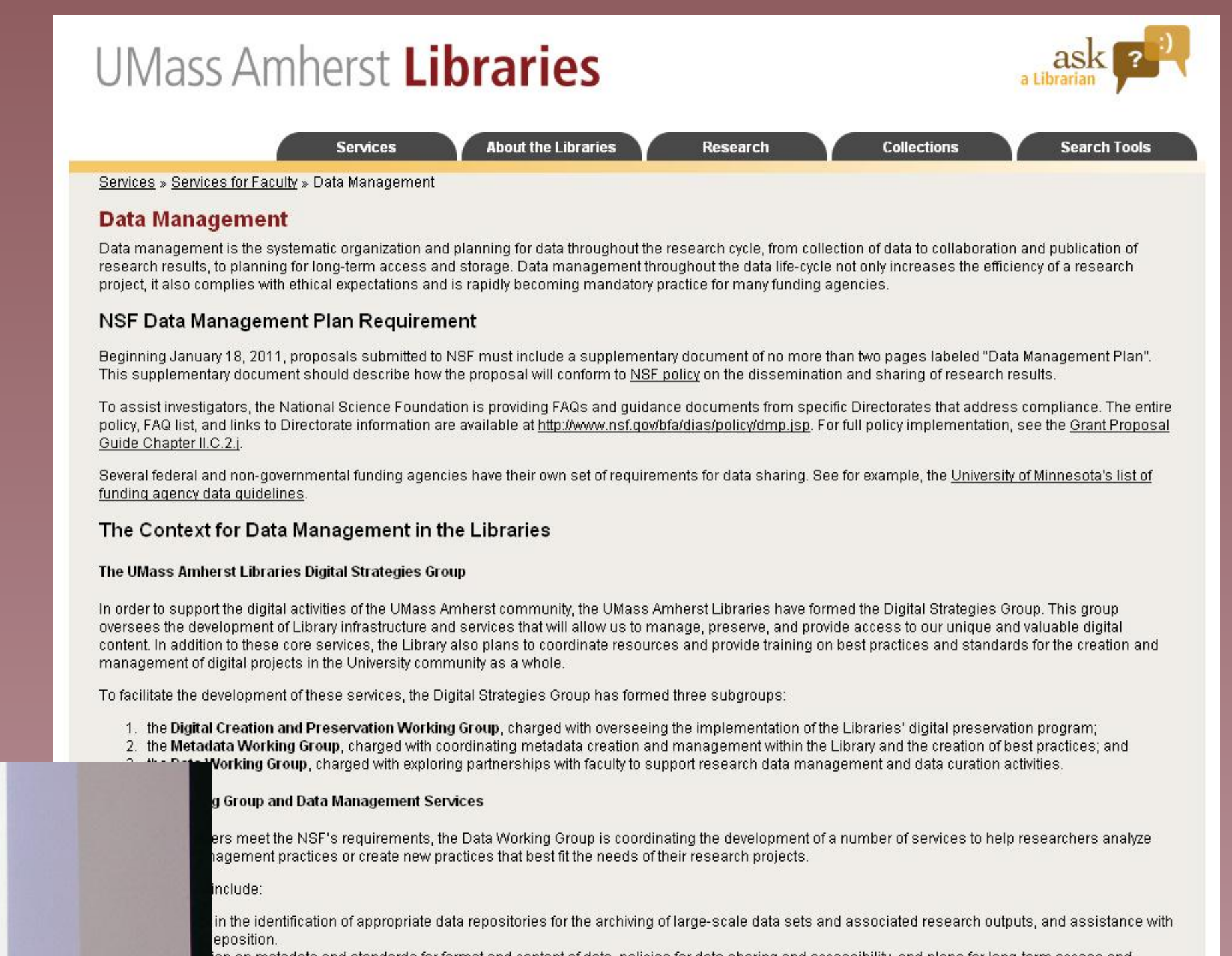
- Data staging platforms for active datasets
- Repositories for publication and long-term storage of completed datasets
- Mass storage

Identify current and desired levels of  
service for data management.



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Build services and products that match capacity,  
mirror national trends, and fulfill local needs.



## University of Massachusetts Amherst Data Management Plan Template

A data management plan describes data generated or used for a given project and states how that data will be created, managed, stored, accessed, and shared during and after a research project. The details of a data management plan will vary depending on the circumstances of the project, but each data management plan should strive to accurately describe the characteristics and context of the data and to outline the parameters for its preservation, access, and dissemination.

This is a general template designed to inform the development of a data management plan. The elements below respond to the requirements of the National Science Foundation mandate for Data Management Plans and are based on several similar guidance documents (see below). A given data management plan may not need to include each element listed below; however, it is helpful to think about each element when crafting a plan.

### Project Overview:

**Authors/Investigators:**  
Proposed/Project Name (reference to main proposal):  
Narrative description of data to be created/used:

### Data Description:

Type (observational, computational, experimental):  
Size of data sets:  
How is the data created/acquired:  
What format/s are the data in (what are the file types being used):  
What are the required software/facilities/equipment/hardware to access and analyze the data:  
Describe any metadata or standards that will be applied to this data:  
What procedural documentation exists for the creation/management of data:

### Data Storage:

What systematic backup procedures, including systems description, are in place for the data:  
How long will data be stored:  
What security mechanisms are required for the data and how will they be implemented:

### Access and Dissemination:

Who owns the data (intellectual property rights information):  
Are there privacy or confidentiality constraints on the data being used/generated:  
Who will have access to the data during the project/after the project:  
What data will be shared (raw/derived/published):  
How will you provide access to the data: