

Good morning and welcome to ALCTS/LITA Metadata Interest Group Data Management Program. My name is Maura Valentino and I am the metadata Librarian at Oregon State University. OSU Libraries has a history of innovation and our University Librarian, Faye Chadwell expresses it as Innovation with Intention. With regard to Data Management, our intent is to provide a service to our patrons. With that in mind, in 2009, OSU Libraries began investigating what type of data management services would be helpful to the faculty and other researchers on campus. While the initial thought was to investigate housing data sets and making them accessible, it was determined that what the library was more suited to provide was our expertise. For example, many projects have multiple sponsors and multiple primary investigators. A librarian with expertise in copyright can be helpful in this situation by helping to determine who owns the data and what requirement may exist for data sharing. Another example is researchers who need help describing their data, so that it is useful to future researchers. This is where a metadata librarian is useful.

Granting agencies were already starting to require data management plans and of course more and more of them are requiring it now. Oregon State University is a campus with a strong emphasis on campus. A large portion of university funding comes from grants. So not only is this requirement an opportunity to provide a service, it's an opportunity to provide a service that can be assessed and the value can be measured. If OSU Libraries provides consultation on data management plans for a particular number of grants and hopefully some are successful, and as a result of these grants money was awarded the university that is a concrete way to show the value of the library.

Once it was determined that OSU Libraries would begin an effort to provide data management services, the first step was to promote the fact that OSU Libraries would provide data management services. A data management web page was created. There are links to our institutional repository, which can serve as a data repository for small data sets. There is also a link to MIT's site, with links to other data repositories. We created a guide to data management planning, to which we also link from this page. Again, contact information is prominent and there is some information on the requirements for NSF and NIH. We also display the data management lifecycle and have a page with links to examples and still more data repositories. On both pages there is a link to DMP Tool.

The University of California Curation Center and the California Digital Library have created a tool that helps in the creation of data management plans. It offers templates for many of the granting agencies that require data management plans. We added customized information so that users from OSU could have more specific information and find their way to our site and our contact information if they needed more help.

We also created a brochure promoting data management services. I have some copies of the brochure here. There is some information on why it is important to manage your data and again, contact information. We also explain what someone can gain from a data management consultation.

In order to be sure we would be able to support increased requests for data management help, we decided to add two positions: a metadata librarian with responsibility for helping faculty describe their data and a data management specialist with full time responsibilities related to data management.

In order to further inform the type of help we would provide we began a pilot project working with 5 graduate students and helping them manage their data. We also held 2 Introduction to Data Management Workshops that were well attended. Here is the description. We had extra time, so we discussed each participant's data as a group, which was valuable for everyone. We had one request for a follow up consultation and were able to give even more personalized help.

We are still analyzing the first interviews with the five students and the results from our workshops, but a few things have become clear. The good news is researchers love to talk about their data. We had no trouble extracting the information we needed to provide help. The other good news is that every data management situation is unique and people in different roles have varying perspectives. So, while generic tools like DMPTool and a basic data management workshop are helpful, they cannot be the only tools available if the libraries want to provide data management as a service. And this is an opportunity to provide a service. We concede that people who attend a data management workshop and those that volunteer for a data management study are not a random audience. With that said, the people we have met with and the participants in our workshops are aware of data management. However, they don't always know how to proceed. For example, some graduate students work in labs with other people and everyone manages the data differently. Others are using data sets from multiple sources and are confused by differing metadata schemes. Everyone seems to agree that education on data management early in the process would help.

To that end, we are considering some very basic data management workshops, such as setting up a lab notebook and setting up a collaborative online workspace. We will continue to allow for discussion in these workshops to further inform our future work. We are considering an advanced workshop and hope that more people will request consultations. We are also providing a more prominent link to the data management services page from the libraries' home page. We are also creating our own list of data projects and portals.

At OSU Libraries, we consider data management an opportunity to provide a service to our patrons. As we learn from our patrons and from other institutions providing this service, we will continue to modify our services and hope for a research campus where data is organized and managed from the beginning and we go from this to this.