

# Developing and Implementing an Online Research Data Repository for Your University or College Campus

Raymond J. Uzwyszyn

Follow this and additional works at: <http://digital.sandiego.edu/symposium>

 Part of the [Data Storage Systems Commons](#)

---

# Developing and Implementing an Online Research Data Repository for Your University or College Campus

**Presenter 1 Title**

Developing and Implementing an Online Research Data Repository for Your University or College Campus

**Session Type**

Panel Session

**Abstract**

Data-driven research is becoming increasingly important on university and college campuses. Most US federal and many international granting agencies mandatorily require that researchers applying for public grants possess a data management plan and make their research and data publically available through online access. This presentation overviews online research data repositories and implementation strategies for university and college campus libraries. The presentation pragmatically surveys this newer technology landscape and how organizations can begin to think about and implement an online data research repository. This session will survey the landscape but also makes use of practical example from Texas State University and the Texas Data Repository, a large state consortial data repository customizing and utilizing Harvard's open source Dataverse infrastructure.

**Keywords**

Research Data Repository, Data Management, Open Data, Federal Grant Compliance, Dataverse, Texas State University, Open Educational Resources

---

# Developing and Implementing an Online Research Data Repository for Your University or College Campus

## (45 minute concurrent session)

Data-driven research is becoming increasingly important on university and college campuses. Most US federal and many international granting agencies mandatorily require that researchers applying for public grants possess a data management plan and make their research and data publically available through online access. This presentation overviews online research data repositories and implementation strategies for university and college campus libraries. The presentation pragmatically surveys this newer technology landscape and how organizations can begin to think about and implement an online data research repository. This session will survey the landscape but also makes use of practical example from Texas State University and the Texas Data Repository, a large state consortial data repository customizing and utilizing Harvard's open source Dataverse infrastructure.

## Online Research Data Repositories Presentation Outline

1. Research Data Repositories: What are they?
  1. Data Management Plans and Repositories
  2. The Research Data Repository Lifecycle
  3. Types of Data Repositories
2. Why are Data Repositories and Data Management Plans Necessary?
  1. Federal Funding Requirements
  2. Collaboration and Sharing Data
  3. The Current Global Research Community
3. Current Software Platforms
  1. Harvard Dataverse (Texas Digital Repository)
  2. Purdue Hubzero/Purr
  3. Figshare
  4. Other Platforms
4. Size Considerations (Storing Data, S, M, L, XL)
5. Policy Considerations (Faculty, Offices of Sponsored Research etc)
6. Environmental Scans and Pragmatic Timelines to Implementation
7. Other Considerations
  1. Data Visualization (Tableau, Two Ravens, Other)
  2. HR Considerations and Communication
  3. The Many Angles for Implementing a Repository on a University
  4. Document/Article/Journal/Thesis/Dissertation Connection Possibilities

## Learning Objectives

- Participants will learn how to select, customize and/or build an online research data repository for their university or college campus
- Participants will learn about the parameters and possibilities of an online data research repository for their campus (policy, technology)
- Participants will learn about the technical requirements and wider interconnection possibilities of online research data repository (data visualization, larger information ecological framework of data repositories within university and college campuses)

## Keywords

Research Data Repository, Data Management, Open Data, Federal Grant Compliance, Dataverse, Texas State University, Open Educational Resources

## About the Presenter

Dr. Ray Uzwyshyn is currently Director of Collection and Digital Services for Texas State University Libraries. Previously, he served as Director of Online Libraries for American Public University System, Head, Digital and Learning Technologies for the University of West Florida and Web Services Librarian for the University of Miami. Ray possesses a Ph.D. (NYU, Media Studies), MBA (IT Management) and MLIS from the University of Western Ontario. He has chaired the American Society of Information Science & Technology, SIG in Information Visualization, and served as a reviewer for the Bill & Melinda Gates Foundation Global Access to Learning Technology Awards. Ray's interests encompass new library IT infrastructure implementation, , online education, information visualization and multimedia possibilities for digital libraries. Contact Info: [ruzwyshyn@txstate.edu](mailto:ruzwyshyn@txstate.edu) (512)245-5687