



COLORADO  
**ALLIANCE**  
OF RESEARCH LIBRARIES

## **Research Data Management 2014**

**Friday, July 11, 2014**

**8:45 AM to 4:00 PM**

Presented by the  
Colorado Alliance of Research Libraries

### **Website**

<https://www.coalliance.org/research-data-2014>

### **Twitter Hashtag**

[#allrdm14](#)

## **Conference Location**

### **[Holiday Inn Denver Cherry Creek](#)**

455 S Colorado Blvd  
Denver, CO 80246

- Main conference sessions will be held in the Cherry Creek room.
- The hotel has free parking.

## Conference Schedule

<b>8:15 - 8:45</b>	<b>Registration &amp; Continental Breakfast</b>
<b>8:45 - 9:00</b>	<b>Welcome &amp; Introduction</b> <i>George Machovec, Colorado Alliance of Research Libraries</i>
<b>9:00 - 9:45</b>	<b>Keynote</b> <i>Carly Strasser, California Digital Library</i>
<b>9:45 - 10:30</b>	<b>Lightning Talks: Data Curation in Practice</b>
<b>10:30 - 10:45</b>	<b>Break</b>
<b>10:45 - 11:45</b>	<b>Research Data Management: Perspectives from outside the library</b> Part 1: Institutional Perspective <ul style="list-style-type: none"> <li>• <i>Patricia Rankin, University of Colorado Boulder</i></li> </ul> Part 2: Researcher Perspectives Panel <ul style="list-style-type: none"> <li>• <i>Kateri McRae, University of Denver</i></li> <li>• <i>Heather Ryan, University of Denver</i></li> <li>• <i>Steve Williams, UCAR/NCAR</i></li> </ul>
<b>11:45 - 1:15</b>	<b>Lunch</b> (on your own -- order from hotel or see map of local restaurants)
<b>1:15 - 2:00</b>	<b>Lightning Talks: Tools &amp; Resources</b>
<b>2:00 - 2:10</b>	<b>Break</b>
<b>2:10 - 2:55</b>	<b>Breakout Session A</b> A1: Institutional Repositories (Rocky Mountain Room) <ul style="list-style-type: none"> <li>• <i>Facilitator: Robin Dean, Colorado Alliance of Research Libraries</i></li> </ul> A2: Privacy, Confidentiality, and Security (Cherry Creek Room) <ul style="list-style-type: none"> <li>• <i>Facilitator: Jane Monson, University of Northern Colorado</i></li> </ul> A3: Identifiers and Citations (Cherry Creek Room) <ul style="list-style-type: none"> <li>• <i>Facilitator: Heather Ryan, University of Denver</i></li> </ul>
<b>2:55 - 3:00</b>	<b>Break</b>
<b>3:00 - 3:45</b>	<b>Breakout Session B</b> B1: Faculty Outreach (Rocky Mountain Room) <ul style="list-style-type: none"> <li>• <i>Facilitator: Shea Swauger, Colorado State University</i></li> </ul> B2: Metadata for Data Curation (Cherry Creek Room) <ul style="list-style-type: none"> <li>• <i>Facilitator: Kevin Clair, University of Denver</i></li> </ul> B3: Data-Sharing Mandates (Cherry Creek Room) <ul style="list-style-type: none"> <li>• <i>Facilitator: Heidi Zuniga, UC Denver, Anschutz Medical Campus</i></li> </ul>
<b>3:45 - 4:00</b>	<b>Closing</b> <i>Robin Dean, Colorado Alliance of Research Libraries</i>

## Keynote: Carly Strasser, California Digital Library

[Dr. Carly Strasser](#) is the Data Curation Specialist at the [California Digital Library](#), part of the [University of California Office of the President](#). She works on projects and initiatives that promote data sharing and open science.

## Lightning Talks - Session 1: Data Curation in Practice

### L1. Data Management Support: Faculty Interviews

*Jennifer Bowers, Social Sciences Librarian, University of Denver*

### L2. Data Management Support: Part 2: Faculty Workshops

*Kathleen Gregory, Science and Engineering Librarian, University of Denver*

These back-to-back talks will give two perspectives on the role of academic libraries in developing research data management services.

The first talk will cover what we learned from a survey of data management plans submitted by our researchers to the National Science Foundation (NSF) between January 2011-February 2013. We also conducted interviews with faculty who had received funding from either the NSF or one of the agencies included in the OSTP memorandum of February 2013 about their data management practices, issues, or concerns and their opinions about the library's role in supporting their data management needs.

The second talk will cover new services we have developed, including workshops we created for faculty applying for or receiving NSF funding and a pilot project to offer data management planning consultations for researchers. In conjunction with these efforts, the university has opened a center for data analysis and information visualization housed within the library building.

### L3. Faculty Concerns about Tenure/Promotion and Data Sharing

*Shea Swauger, Data Management Librarian, Colorado State University*

I will present the preliminary findings of a research project aimed at articulating how faculty members feel about tying research data to their tenure and promotion evaluations. Data curation literature often suggests that people should be rewarded for sharing their research data through the tenure and promotion process. However, faculty and graduate students at CSU have expressed nuanced and legitimate concerns about such recommendations. These attitudes should inform how librarians, institutional repositories, and university policy makers approach data sharing incentives.

#### **L4. Paying for Long-Term Research Data Storage**

*Robin Dean, Digital Repository Director, Colorado Alliance of Research Libraries*

Before researchers can share data, they need a place to store data. I will give a brief overview of cost models for long-term data storage and offer tips for paying for data storage services, including how much it costs, who should pay, and the question of one-time or ongoing payment.

#### **L5. Data Security Policy for Research Projects**

*Jane Monson, Digital Initiatives Librarian, University of Northern Colorado*

I will discuss the "Data Security Policy for Research Projects" that was drafted at UNC last year with input from representatives of IT, the library, and university faculty. The policy defines different levels of security for various classes of research data. I will cover what is included in the policy and the process that went into creating it.

### **Research Data Management: Perspectives from outside the library**

#### **Part 1: Institutional Perspective**

- **Patricia Rankin**, *Professor/Associate Vice Chancellor for Research*  
University of Colorado Boulder

#### **Part 2: Researcher Perspectives panel**

- **Kateri McRae**, *Assistant Professor/Director, The AACT Lab*  
Department of Psychology, University of Denver
- **Heather Ryan**, *Assistant Professor*  
Department of Research Methods and Information Science, Morgridge College of Education, University of Denver
- **Steve Williams**, *Associate Scientist IV / Group Head*  
Earth Observing Laboratory (EOL) / Computing, Data and Software Facility / Data Management Group, NCAR

### **Lunch**

- Order forms for the hotel restaurant will be available at the registration desk throughout the morning if you would like to pre-order your lunch and have it ready in the hotel restaurant.
- Other dining options are available a short distance away from the hotel.  
[View a map of restaurants close to the Holiday Inn](#)

## Lightning Talks - Session 2: Tools and Resources

### **L6. REDCap Data Management Tool**

*Heidi Zuniga, Digital Resources Librarian, University of Colorado Health Sciences Library*

This lightning talk will provide an overview of a data management tool called [REDCap](#), which is designed to "support data capture for research studies." Attendees will learn what REDCap is and where to find more information about it. I will also provide a list of institutions within Colorado that support REDCap and discuss how librarians could have a role in supporting REDCap at their institution.

### **L7. Free Data Visualization Tools**

*Cassi Pretlow, Assessment Coordinator, Auraria Library*

Along with assisting with data management tools, librarians can help researchers display their data visually. Data visualization is a powerful way to simplify the complexity of big data sets, find relevance among variables, and communicate concepts and hypotheses. This presentation will include demonstrations of the latest free tools for data visualization.

### **L8. Altmetrics 101**

*Mike Buschman, co-founder, Plum Analytics*

What are people talking about when they say altmetrics? In this fast-paced presentation, attendees will get a primer on altmetrics and learn how customers from funders to research institutions are using them.

### **L9. Developing Our Own Data Management Tool**

*Sheila Yeh, Library Digital Infrastructure and Technology Coordinator, University of Denver*

One of the barriers to promoting data management on campus is the need to educate principal investigators about metadata and its importance to data management. The DU library's information technology department worked with faculty in the geography department to develop a metadata management tool that helps undergraduate students enter correct metadata for their observational datasets. The tool also allows students to search, retrieve, and share their datasets for reuse. What could be better than training scientists early on in data management?! In this lightning talk, the team will demonstrate the metadata management tool in action.

## **L10. Data Q: A Collaborative Knowledge Base about Research Data Management**

*Megan Bresnahan, Acting Head, Gemmill Library of Engineering, Mathematics, and Physics, University of Colorado Boulder*

The DataQ project is an effort by the University of Colorado Boulder Libraries, the Greater Western Library Alliance (GWLA), and the Great Plains Network (GPN) to develop a collaborative knowledge base of research data questions and answers curated for and by the library community. Library staff from any institution may submit questions on research data topics, with or without answers, to the DataQ website, where questions will be crowd-sourced and reviewed by an editorial team of experts. Answers to these questions, from both the community and the editorial team, will be posted to the DataQ website and will include links to resources and tools, best practices, and practical approaches to working with researchers to address specific research data issues. DataQ is currently in the fundraising and planning stage, but the project has already garnered formal commitments and statements of interest from dozens of libraries.

### **Breakout Sessions**

Breakout sessions are an opportunity to discuss a topic in detail with your colleagues and work collaboratively to come up with solutions. Each breakout session will have a discussion facilitator. One volunteer will take notes from each session and the notes will be shared on the conference website.

#### **Breakout Session A**

##### **A1: Institutional Repositories** (Rocky Mountain Room)

*Facilitator: Robin Dean, Colorado Alliance of Research Libraries*

- When and why should researchers contribute data to their institution's repository?
- What are the alternatives to institutional repositories for data deposit?

##### **A2: Privacy, Confidentiality, and Security** (Cherry Creek Room)

*Facilitator: Jane Monson, University of Northern Colorado*

- Dealing with private/confidential information in data sets
- Data security policies

##### **A3: Identifiers and Citations** (Cherry Creek Room)

*Facilitator: Heather Ryan, University of Denver*

- How can data sets be cited persistently and accurately?

## Breakout Session B

### **B1: Faculty Outreach** (Rocky Mountain Room)

*Facilitator: Shea Swauger, Colorado State University*

- Communicating with faculty about data management
- Articulating the benefits of good data management/sharing
- Mitigating common concerns or obstacles to sharing data

### **B2: Metadata for Data Curation** (Cherry Creek Room)

*Facilitator: Kevin Clair, University of Denver*

- Metadata issues with describing data sets
- How is cataloging data sets different from cataloging other digital collections?

### **B3: Federal and Publisher Mandates for Data Sharing** (Cherry Creek Room)

*Facilitator: Heidi Zuniga, UC Denver, Anschutz Medical Campus*

- Impact of recent Federal and publisher mandates for data sharing
- Reactions to PLOS One data sharing policy

## Program Committee

### **Robin Dean, Chair/Conference Organizer**

Digital Repository Director  
Colorado Alliance of Research Libraries

### **Kevin Clair**

Archival Processing & Digital Content Metadata Librarian  
Anderson Academic Commons, University of Denver

### **Andrew Johnson**

Assistant Professor/Metadata Librarian  
University Libraries, University of Colorado Boulder

### **Keith Maul**

Software Engineer/Programmer III  
NCAR/UCAR Library

### **Jane Monson**

Assistant Professor/Digital Initiatives Librarian  
University of Northern Colorado

### **Rose Nelson**

Assistant Director  
Colorado Alliance of Research Libraries

### **Heather Ryan**

Assistant Professor  
Department of Research Methods and Information Science, Morgridge College of Education  
University of Denver

### **Shea Swauger**

Data Management Librarian  
University Libraries, Colorado State University

### **Heidi Zuniga**

Electronic Resources Librarian  
Health Sciences Library, University of Colorado Anschutz Medical Campus

Questions about the conference? Email [events@coalliance.org](mailto:events@coalliance.org)