



RCD-CM Kickoff – UAF

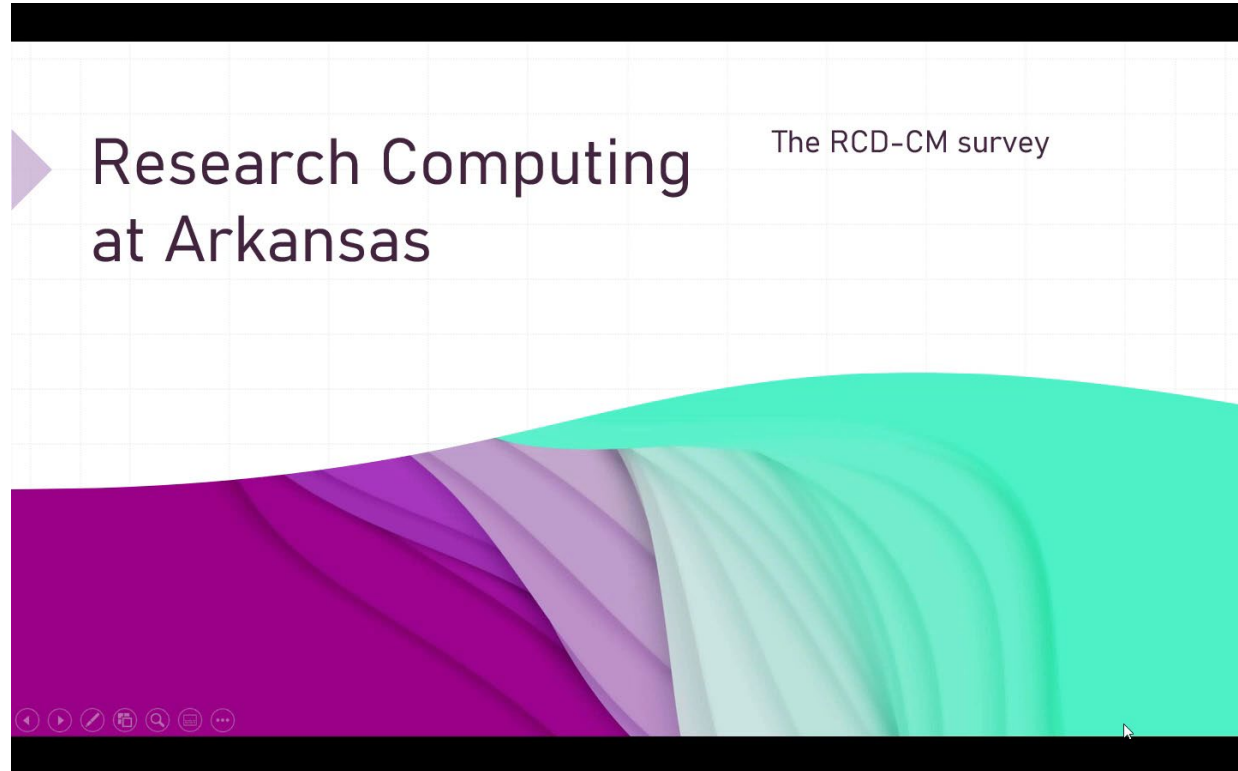
January 12, 2024

SHARP CCI

Shared Arkansas Research Plan for Community Cyber Infrastructure (SHARP CCI)

- **Goals**
 - Cyberinfrastructure alignment with DART / ARP
 - Create a Cyberinfrastructure Plan (CI Plan) at each SHARP CCI institution
 - Provide “A Day in the Life of a Research Project” use case from SHARP CCI institutions
- **Timeline**
 1. Shortened RCD-CM survey (January – March 2024)
 2. SHARP CCI + DART annual retreat (February 2024)
 3. CI Plans (February - April 2024)
 4. Review Shortened RCD-CM results and CI Plans (May 2024)
 5. Feedback review, data analysis, and documentation (June – July 2024)
 6. Finally report (August 2024)

RCD-CM Overview Video



Video available online: https://video.uark.edu/media/RCD-CM/1_sjoqwykr

RCD-CM Overview

Research Computing and Data (RCD) Capabilities Model

The Research Computing and Data (RCD) Capabilities Model allows institutions to assess their support for computationally- and data-intensive research, to identify potential areas for improvement, and to understand how the broader community views Research Computing and Data support.

The Capabilities Model was developed by a diverse group of institutions with a range of support models, in a collaboration among Internet2, CaRCC, and EDUCAUSE with support from the National Science Foundation.



EDUCAUSE



Shortened RCD-CM Overview

Created Shortened RCD-CM due to the scope and complexity

- Increase ability to complete the RCD-CM
- Still able to compare results to national RCD-CM results

Facing	Shortened	Full
Researcher	5	17
Data	8	29
Software	8	25
Systems	12	57
Strategy and Policy	7	24
Total	40	152

Shortened RCD-CM survey

RCD-CM SURVEY LINK:

https://uark.qualtrics.com/jfe/form/SV_09aGmseG54YpUbk



As part of SHARP CCI Team, we are conducting this survey to evaluate the Research Computing and Data Capabilities at each campus.

It is **very important** to read [Capabilities Model Introduction and Guide to Use](#) before you response these questions below.

Your feedback will help us greatly. Thank you for your time!

The survey is organized into sections that reflect different roles that staff fill in supporting Research Computing and Data, and are named to reflect who or what each role is "facing". You have the flexibility to choose which facing(s) you would like to complete. Please indicate which facing(s) you would prefer to fill out.

- Researcher Facing
- Data Facing
- Software Facing
- Systems Facing
- Strategy and Policy Facing

Which of the following perspectives best represents your view / role?

- Multi-institutions
- Multiple Departments / Colleges
- Department / College
- Customer / User / Lab
- Others (Please indicate below)



In **Data Facing**, there are **eight** questions to assess your institution based on [Deployment at Institution](#), [Multi-Institutional Collaboration](#) and [Service Operating Levels](#).

It is **very important** to read [Capabilities Model Introduction and Guide to Use](#) before you response these questions below.

Data Creation

Do researchers have access to consulting on data lifecycle requirements during data creation (e.g., anticipating metadata, storage, reuse, publisher requirements, funder requirements)?

Deployment at Institution	<input type="text"/>
Multi-Institutional Collaboration	<input type="text"/>
Service Operating Levels	<input type="text"/>

Data Discovery and Collection

Consider the following questions as a framework to assess your institution.

1. Do researchers have access to data discovery consulting, i.e., to help them identify appropriate data repositories (on campus, in domains, and more generally)? Note: this may come from Research Computing and Data staff, library staff, or other partners.
2. Do researchers have access to expertise about common Terms of Service for frequently crawled websites/data repositories and best practices guidance? E.g.,:
 - i. library or other staff with knowledge about common Terms of Service for frequently crawled websites/data repositories and best practices guidance?
 - ii. library or other staff with skills and capacity to inform policies and educate researchers on data use agreements (DUAs)?
3. Do researchers have access to software supporting data collection (i.e., for data crawling, scraping, gathering, etc.)? Are researchers made aware of research computing

Shortened RCD-CM survey facing

Facing examples

<i>Facing Area</i>	<i>Description</i>	<i>Example roles</i>
Researcher Facing Roles	Includes research computing and data staffing, outreach, and advanced support, as well as support in the management of the research lifecycle.	Research IT User Support, Research Facilitators, CI engineers, etc.
Data Facing Roles	Includes data creation; data discovery and collection; data analysis and visualization; research data curation, storage, backup, and transfer; and research data policy compliance.	Research Data Management specialists, Data Librarians, Data Scientists, etc.
Software Facing Roles	Includes software package management, research software development, research software optimization or troubleshooting, workflow engineering, containers and cloud computing, securing access to software, and software associated with physical specimens.	Research Software Engineers, Research Computing support, etc.
Systems Facing Roles	Includes infrastructure systems, systems operations, and systems security and compliance.	HPC systems engineers, Storage Engineers, Network specialists, etc.
Strategy- and Policy Facing Roles	Includes institutional alignment, culture for research support, funding, and partnerships and engagement with external communities.	Research IT leadership

Shortened RCD-CM survey response

<i>Support Level</i>	<i>Description</i>
Strong Support, Awareness, Commitment	There is a high level of support and awareness of this practice, with a high-level of response to requests, and associated staff have sufficient resources and commitment/buy-in for regular, significant extensions of the practice.
Basic Sustained Support and Awareness	There is good support and awareness of this practice and there is ongoing significant development or enhancement. Associated staff <u>are able to</u> respond to some special requests, or extensions of the practice.
Minimum Resources & Commitment	There is <u>support</u> or awareness of this practice at a minimum viable level. There is no significant investment in developing or growing the practice. While support for the practice is not at a significant risk of failure, any reductions in required funding or leadership commitment could reduce the level to "Very limited Support, and At Risk."
Very limited Support, and At Risk	There is very little support or awareness of this practice, and no meaningful development or improvement. The support/awareness is at significant risk, generally due to insufficient resources, but perhaps as well due to lack of commitment or buy-in.
No existing support or awareness	No support is in place, and/or there is no awareness of this practice; no work is under way and/or no resources are committed to provide or develop this support/awareness.

Completing the survey

Keep in mind

- Answer from your perspective
- Be consistent (High, Average, Low)
- No “right” or “wrong” answers

Resources

- We will share this presentation
- Office Hours every Wednesday
10:30 – 11:30am
- Schedule dedicated time
- Don’t hesitate to reach out



Next steps

You will receive an email with the survey link

- Feel free to join Office Hours every Wednesdays 10:30 – 11:30am
- We can schedule dedicated time
- Don't hesitate to reach out

We will share your institutions results

- Compare to national data
- Compare to other SHARP CCI institutions

Shortened RCD-CM will be helpful in developing a CI Plan