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2016-12-07

Creating a campus-wide research data services committee: The good, The bad, and The..... Part 2: Launching your collaboration

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Ft al.

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Ippoliti C, Julian R, Kollen CE, Koshoffer AE, Minor D, Rozum B. (2016). Creating a campus-wide research data services committee: The good, The bad, and The...... Part 2: Launching your collaboration. National Network of Libraries of Medicine New England Region (NNLM NER) Repository. https://doi.org/10.13028/ c4jt-1e18. Retrieved from https://escholarship.umassmed.edu/ner/40

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Creating a campus-wide research data services committee: The good, The bad, and The...

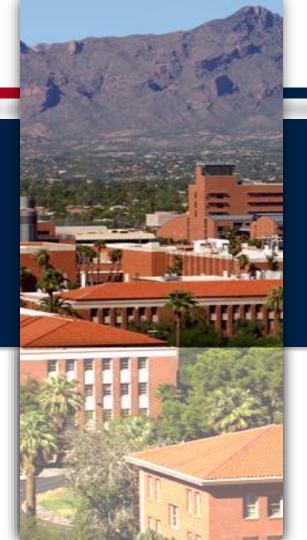
Part 2
Launching your collaboration

Chris Kollen, University of Arizona David Minor, UC San Diego Library and Betty Rozum, Utah State University

Reflections on our experiences in campus-wide collaborations...

- Different models
- Strategies
- Collaboration and program development

Chris Kollen, University of Arizona David Minor, UC San Diego and Betty Rozum, Utah State University



Working with a Campus Data Management Committee

University of Arizona's Experience



University of Arizona

- Land Grant, Doctoral Granting, Carnegie RU/VH (Research 1)
- ☐ FY15 \$587M in grant funding
- □ Faculty 3,158
- □ Undergraduates 33,732
- Graduate Students & 1st Professional Students 9,356



Campus Data Management and Curation Advisory Committee

- Dean of the Libraries and Vice-President for Research appoint advisory committee
- Members faculty, librarians, University Information Technology Services (UITS) staff, and Research, Development and Innovation (RDI) staff
- Results?
 - Libraries in collaboration with RDI provide integrated point of service
 - UITS in collaboration with Libraries and RDI develop short and long term strategy to address data storage, data access, and data preservation
 - Create ongoing campus committee to monitor institutional support and develop recommendations for data management services



Stand-alone Campus Committee

Campus Data Management Committee was formed in 2012 with faculty, librarians, UITS staff and RDI staff

- Committee reported to Libraries, RDI, and UITS
- □ Questions, questions!!
- □ Little political power who knows we exist?
- ☐ How to get the word out to researchers and graduate students about DM services —
 - Need help of library liaisons and RDI!
- What initiatives should we concentrate on?
- What services are needed who should provide them?

Campus changes

UA hires new Vice-President for Research

- Previous support for researchers was limited and decentralized
- New VPR negotiated more staff for her office to support researchers
 - Research Development Services provides grant proposal assistance for researchers
 - Responsible Conduct of Research (RCR) unit beefs up their training offerings including data management

UA Libraries hires new Dean

- Reached out to college deans on library services for example, presentation to the College of Science department heads
- New Dean negotiated for more library positions both faculty and staff



Research Computing Governance Committee (RCGC)

- RCGC guides development of central research computing resources – faculty, librarians, UITS
 - Sponsors: Dean of Libraries, CIO, VPR, Senior VP for Health Sciences
- Move CDMC to RCGC as subcommittee
- Appointed to RCGC provide feedback and participate in committee wide decisions; bring subcommittee's initiatives to RCGC for recommendation to sponsors
- □ As a subcommittee, have broader impact receive support from a wider community



Subcommittee Initiatives

Developed Research Data Management Survey

- RCGC helped distribute survey
- Survey helped us decide what services need to be developed or enhanced
- Developed recommendations
 - Continue current services and add the following data storage, data storage tools, data repository, data documentation and metadata, confidentiality and legal issues
 - Push-back from RCGC too general
 - We need more specific recommendations to take to the sponsors for a funding request



Data Management and Data Curation Pilot

Back to the drawing board! Developed specific recommendation with resourcing needs → Data Management and Data Curation Pilot (DMDC)

- RCGC supported overwhelmingly
- RCGC sponsors funded the pilot
- Subgroup implemented project planning
 - Once we were ready to identify pilot participants, used communications and application system provided by RDI
 - Selected pilot participants



DMDC Pilot

- ☐ Pilot started with 6 research groups from a variety of disciplines and at different stages of the research cycle
- Report progress to the Campus Data Management Subcommittee and RCGC
- Work with various groups and individuals on campus as needed
 - Previous connections through the subcommittee and RCGC helped facilitate work on the pilot



New Funding Agency Requirements

- Conversations on how UA should address the new requirements start with Associate VPR, Vice-Dean for Libraries, RDI staff, and several librarians
- Federal Open Access Policies Working Group is appointed and group is given a charge
- Members are from the Libraries and RDI
- Charge is to develop educational resources and promotional strategies in response to the new funding agency requirements
 - Developed website focusing on four top UA funding agencies: NASA, NSF, NIH, and DOE
 - Have presented two informational sessions this semester, will be doing additional sessions next semester

Politics

- Important to be aware of campus politics RDI, UITS, colleges/departments
 - Some colleges/departments provide a lot of support, others not as much
 - Who should you target? Sometimes it takes an advocate in that college or department



Politics (continued)

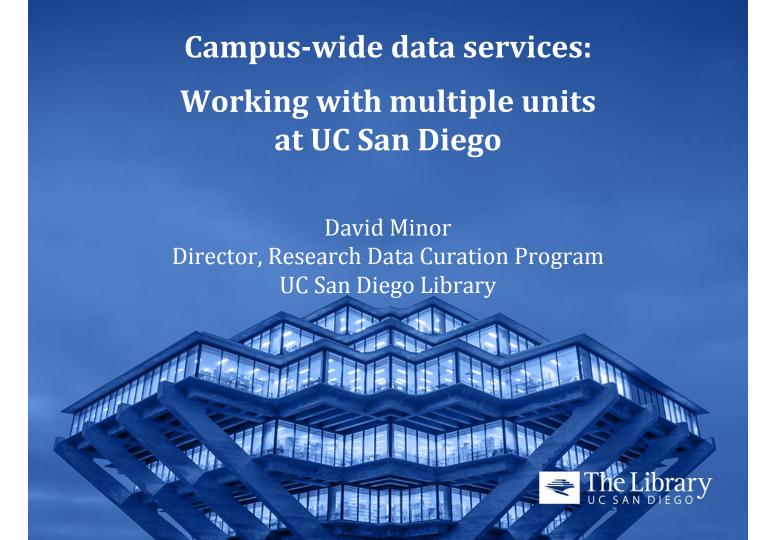
- What does the library have to offer? How can the library be integrated into support provided by RDI?
- Misunderstandings about who should be responsible for what technical vs. services; need an understanding of what's possible!
- Confusion on basic terminology –metadata, data management, data curation, preservation



Conclusion

- Was critical to have campus-wide participation
 - Be part of a larger campus-wide group
- Important to have specific projects/initiatives that committee members care about
- Important to work with others on RDI and UITS on related projects
- Look for other ways to collaborate!



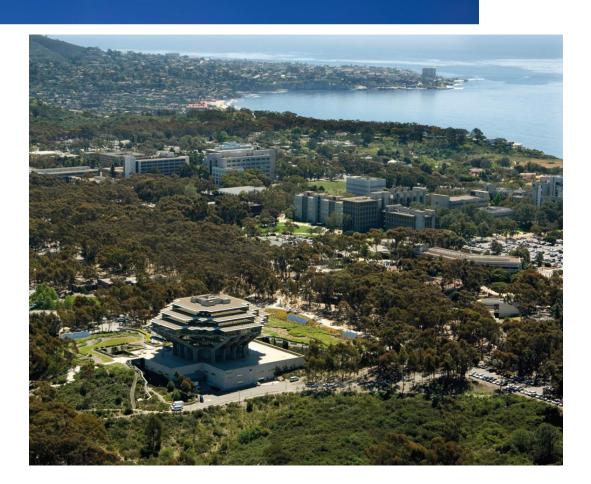


UC San Diego - Quick Facts

36,000ish enrolled students 27,000 undergrads 9,000 graduate students

1500ish faculty

\$1.07 billion in research funding



A brief history of our efforts...

2008 - 2009: Research Cyberinfrastructure (RCI) Design Team

Broad campus participation

 Campus-wide survey of research cyberinfrastructure needs (2008)

Issued Blueprint for the Digital University
 https://libraries.ucsd.edu/services/data-curation/_files/Blueprint.pdf_____

Entities involved in RCI

- Library
- San Diego Supercomputer Center
- CallT2
- Administrative Computing & Telecommunications
- School of Engineering
- Scripps Institution of Oceanography
- Medical School
- Office of Research Affairs



And a cast of thousands



A brief history of our efforts...

2009 - 2010: CyberInfrastructure Planning & Operations Committee (CIPOC)

Developed a business plan with recommendations

Based on the principle of shared costs between PIs and campus investments



A brief history of our efforts...

2011: RCI Oversight Committee charged to implement something

January 2011 - Business plan accepted, oversight committee charged

Broad campus representation



2011: UCSD Research Cyberinfrastructure (RCI)

A campus-wide suite of services

- Data Curation
- Centralized Storage
- High Speed Networking
- Computing
- Data Center Colocation

http://rci.ucsd.edu (no longer there)





RCI Outcomes

 Money was distributed to the partner organizations, to build services, 2011-2014

We built a lot of cool services



...some people came and used them

...but we didn't get rich and famous.



2014: A BRAND NEW thing!

Integrated Digital Infrastructure - IDI

- Build on the RCI services
- Pay *researchers* to do things with them
- Program in place 2014-2016



http://idi.ucsd.edu (no longer there)



IDI Outcomes

 Money was distributed to some partner organizations, but mostly to researchers

We supported a lot of cool projects

...some people came and used them



... we again didn't get rich and famous.



2016: This year's BRAND NEW thing!

 Recognition from campus leadership that we've "done good work"

- Embedding of budget into organizations
 - Central campus IT http://research-it.ucsd.edu
 - Library https://libraries.ucsd.edu/services/data-curation



Parting thoughts

Pros:

It was really, really important to get campus-wide participation. It was helpful to get money to fund things.

Cons:

People expect to get something for their money.

Income often becomes the metric by which success is judged.

Funding-based metrics are hard with emerging services.



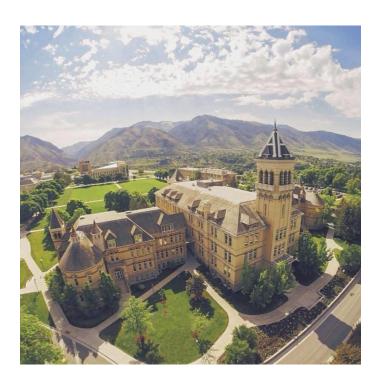




Betty Rozum

Data Services Coordinator

Utah State University: quick facts



- Land Grant, Doctoral Granting, Carnegie R2
- FY15: \$111M in grants
- FY15: 1125 new projects funded
- Faculty: 788
- Students (headcount):
 - Undergrad: 25,000
 - Grad: 3,3,00



Data Committee History

- ■Committee? Task Force? Vague from the start.
 - No real name even!
- Original group started in 2013
- ■Reinvigorated in 2015
- ■Initial representation
 - Library, Office
 - Research and Graduate Studies
 - Information Technology



Initial work (2013-2014)

- Reaction to OSTP Memo and a need to find storage solution for data sets and provide assistance for faculty
- Library was to be "Face of Data" for the campus
- •Accomplishments:
 - Implemented DMPTool
 - Discussed creation of a data storage policy and fees
 - A few joint trainings between Research Office and Library
 - Pilot project: deposit data in IR, DigitalCommons@USU

Committee changes (2015)

- Creation of my position (Data Services Coordinator)
- My job: chair committee, help set agenda, direction and goals based on the needs of the stakeholders
- •Increased meeting frequency (quarterly, then bimonthly)



"New" Committee: "Data Task Force"

- Our Top Priorities
 - Providing resources for Data Management Planning
 - Tracking and ensuring compliance with Federal Mandates



Providing Resources for Data Management



- ■Consensus this is the Library's territory
- Added to the resources available to the campus
 - LibGuide more resources
 - Consultation Services
 - Outreach



Tracking & Ensuring Compliance

- Are YOUR researchers doing what they promise to do with their data in the DMPs they submit?
 - It's essentially a contract your institution enters into with the agency
- This is what kept our VPR up at night
- We needed two things:
 - Research Data Policy
 - What is research data and Who owns the data produced at USU
 - Process to track outputs of research promised to be made publicly available in DMPs

Research Data Policy

- Purpose of the Policy: "To describe the rights and responsibilities or individual researchers and the institution in the use, retention, maintenance, and sharing of data produces as part of research enterprise."
- I gathered example policies, researched, wrote initial draft
- Research Office (Federal Compliance Manager and Associate VPR)
 reviewed, edited, "translated" into policy language and format
- Three of us reviewed, edited, presented to entire committee
- Currently under campus review



Research Data Policy

- So What? How was this good for the Library?
 - Sharing data is now in University Policy and encouraged, regardless of funding source
 - PUT YOUR DATA in a repository
 - Discipline specific or our IR DigitalCommons@USU
 - If faculty use DigitalCommons@USU, they must abide by our Terms of Deposit



Process for Tracking Compliance

- Develop a process that allows USU to verify and publicly and permanently record that researchers have met the expectations stated in their DMP.
- Subcommittee
 - Associate VPR
 - Data Services Coordinator
 - Director for Research Development
 - Director of Sponsored Programs
 - Library's Metadata Specialist
 - Systems Analyst for Research Office



Compliance Project

- ■Deadline: implement by Fall 2016
- Approach:
 - Meet frequently, report back to larger committee
 - [Meet, discuss, revise, repeat] x5, sandbox, evaluate, [Meet, discuss, revise, repeat]x3, evaluate, present, go live
- Collaborative and cooperative with all parties taking ownership

Compliance Project

- Importance: meets a critical need for our campus
- Library: verifies data and publication deposits, creates records in IR
- Sponsored Programs: sends info to Library, nags researchers
- Research Office: able to show data/publications have been deposited (compliance met)
- Distributed workload, coordinated effort, builds great network on campus

Biggest Challenges

- No formal committee charge
 - Existence has always been nebulous
 - Work diligently to establish your value and develop strong, enduring relationships
- How to keep connections in the future
 - Committee has now "sun downed"
 - Not necessarily bad!
 - Major tasks accomplished
 - But...How will I keep communication and relationships strong?
 - What happens when I am gone?

Challenges

- Communication!
- ■VBP: Very Busy People!
 - Campus leaders have tight schedules
 - Must work efficiently and effectively
 - Various communication preferences and styles (go through the Administrative Assistant first? Call directly? Email? Voice Mail?



Challenges

- New kid on the block
- Breaking into the world of the Research Office takes time and patience
 - Cultural differences
 - Perspectives vary open versus closed/protective of research



Addressing (some) challenges

- Get to know individuals (meet one on one)
- Ask people about their concerns
- Ask questions from committee members, other librarians, anyone who will help education you about issues, culture, possible solutions
- Recognize that you are part of someone else's "turf"



Benefits

- Campus connections!!
- ■Improved visibility, reputation, and value of Library
- Library seen as valued partner



Highly Successful

- "RGS, IT and the Library are all partners in developing a research data management strategy for campus and I only see our relationships strengthening in the years ahead." Mark McLellen, Vice President for Research
- "We are all friends!" Eric Hawley, Chief Information Officer



Questions?

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