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

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*Oklahoma State University*

*Et al.*

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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

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- 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)

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- 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

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- 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!





# Campus-wide data services: Working with multiple units at UC San Diego

David Minor  
Director, Research Data Curation Program  
UC San Diego Library



The Library  
UC SAN DIEGO

# 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](https://libraries.ucsd.edu/services/data-curation/_files/Blueprint.pdf)

# Entities involved in RCI

- Library
- San Diego Supercomputer Center
- CalIT2
- 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.



UC San Diego  
Research Cyberinfrastructure



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.



# Campus Wide Data Collaboration @ Utah State University

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: 3,300



# 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 of individual researchers and the institution in the use, retention, maintenance, and sharing of data products 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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