

Addressing Research Data Management Needs as the Scientific Data Consulting Group

5th Annual University of Massachusetts and
New England Area Librarian eScience Symposium

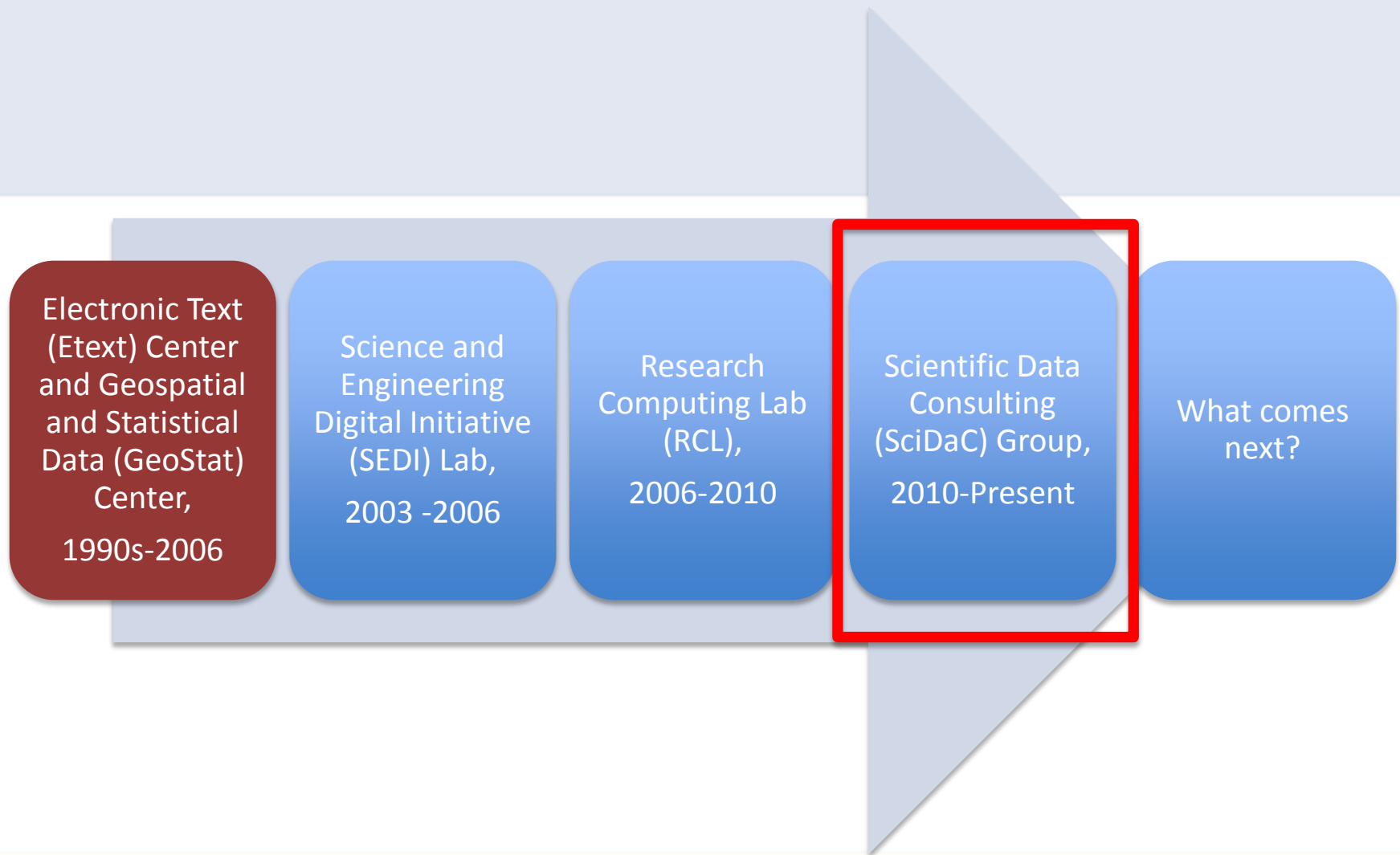
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Andrew Sallans,
Head of Strategic Data Initiatives,
University of Virginia Library

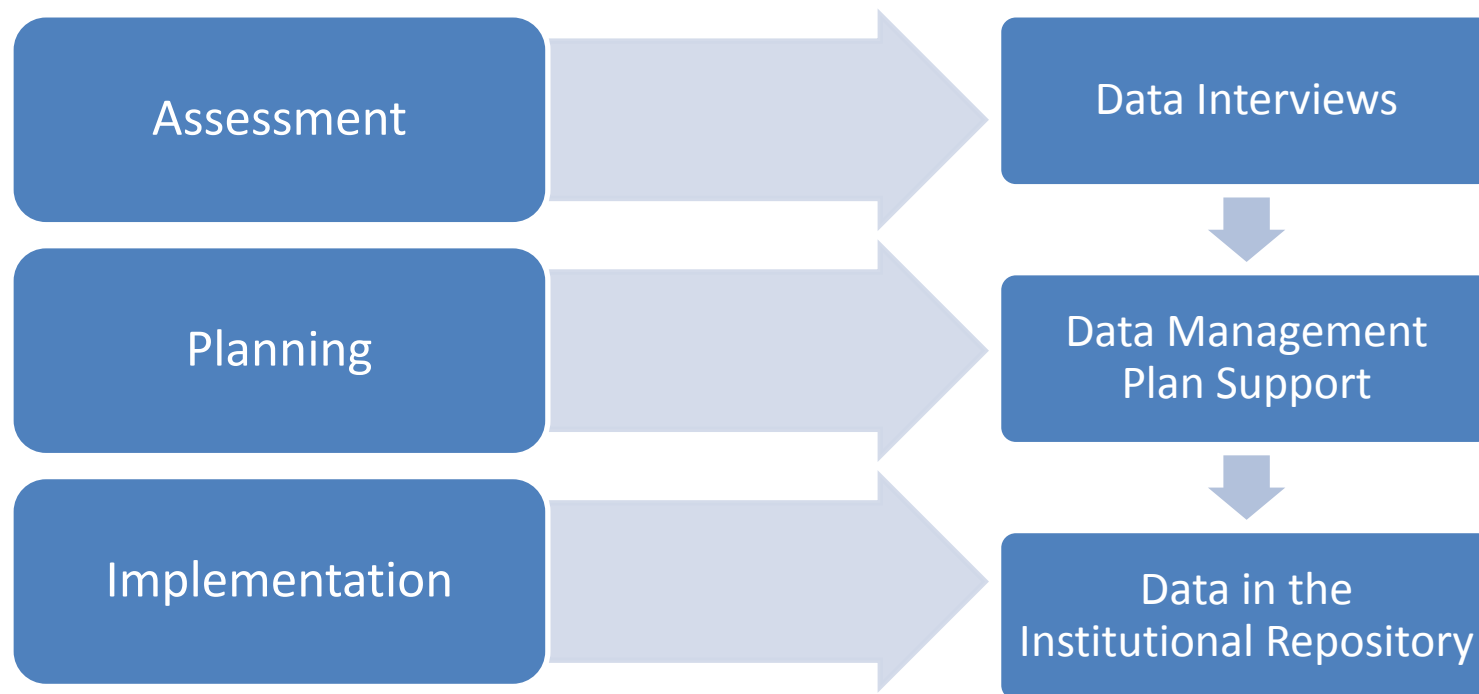
A need, and an opportunity

- May 2010 announcement of upcoming NSF DMP requirement
- UVA administrators recognize new requirement and insufficient researcher preparedness as a risk to future funding
- Library made case to take on support, and received support from research and IT leadership

An evolution of services



Getting SciDaC started: May 2010



Engaging on many fronts

Front-line Services

- Advising on data management planning
- Consulting on data management process improvement and curation
- Training on requirements and best practices

Process Improvement

- DMPTool for efficiency in offering DMP services and sharing best practices
- Policy revision and recommendations
- Serving as the bridge for institutional data management services

Infrastructure Development

- Repository services (Libra, Academic Preservation Trust, Digital Preservation Network)
- Contributing use cases and real requirements to development efforts

Community-wide

- Involvement in national initiatives to develop parts of our support model
- Developing collaborations to share and gain expertise

Data interviews

- Two goals
 1. Gain deeper knowledge of specific research behaviors, and
 2. Promote our intention to provide data management support
- Conducted around 30 interviews across many domain areas, in partnership with subject liaisons
- Identified tremendous challenge of balance between fully-customized versus commodity/scalable solutions

Improving assessment through DMVitals

Conduct Data Interview

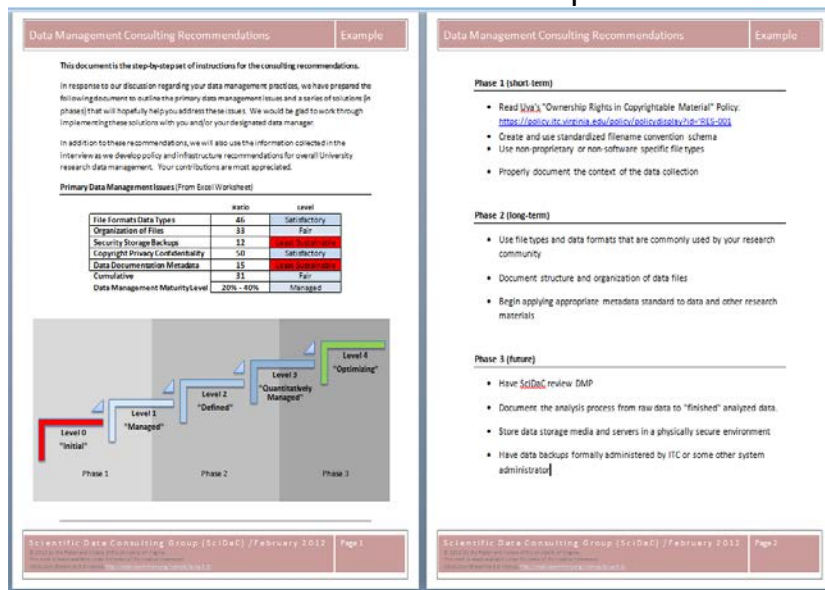
Send initial report to researcher for approval/review

Distribute final report and begin DM Implementation with Researcher

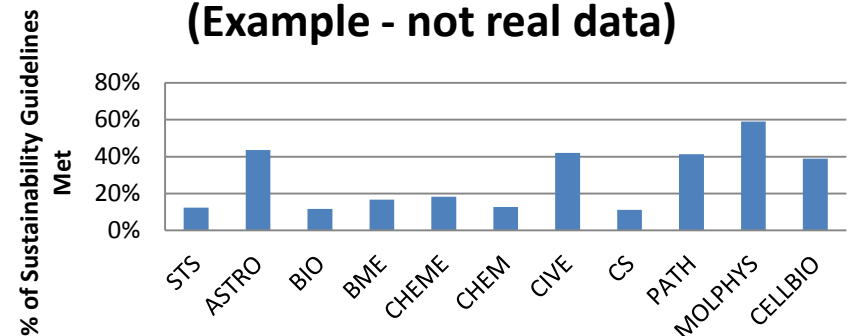
Produce "Data Interview Report"

Code Data Interview answers in the "DM Vitals" tool

Extract action statements from "DM Vitals Recommendations Report"



DMVitals Sustainability Rating (Example - not real data)



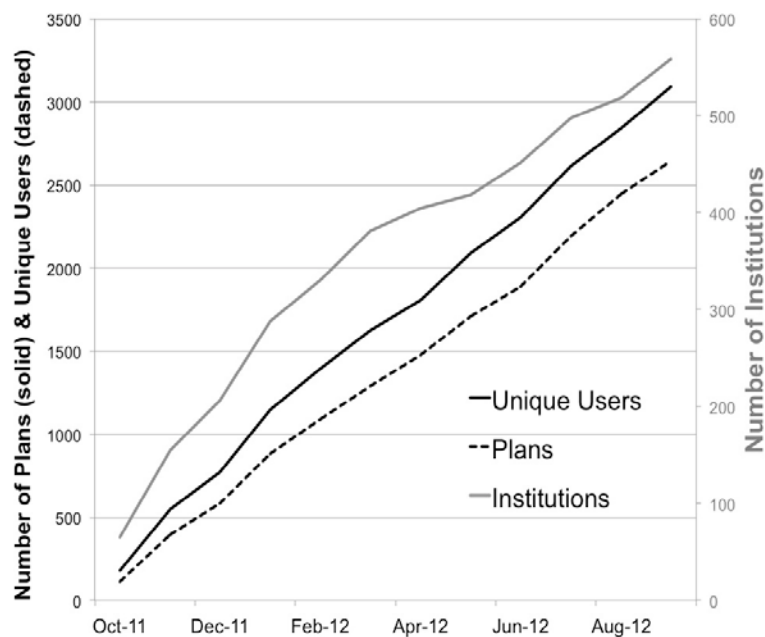
Data management plan support

- Initially asked to provide boilerplate text for researchers, we resisted this approach
- Began providing services by developing a very user-centered template approach, incorporating Q&A and guidance
- Heavy focus on collaborative development with our team and iterative revision

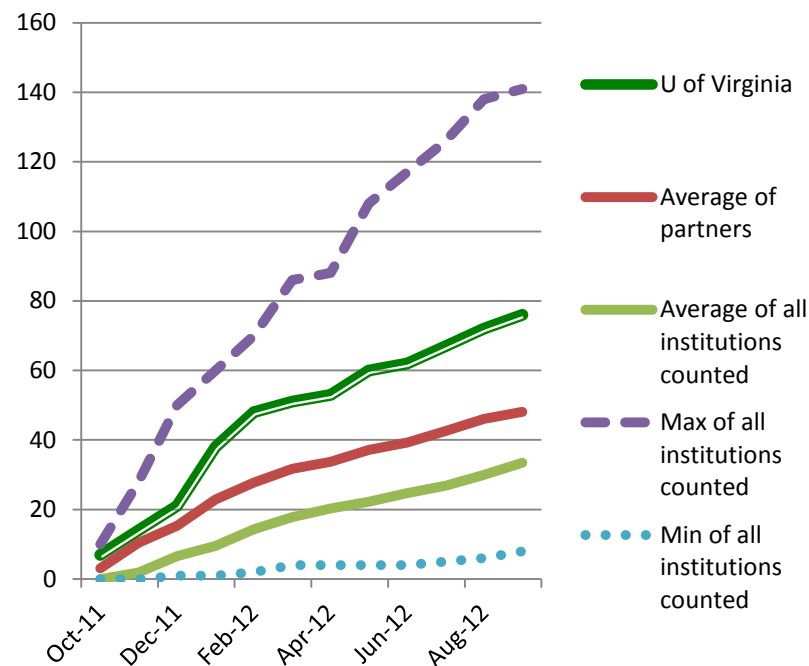
Scaling the DMP consulting service



DMPTool Uptake: October 2011 - September 2012

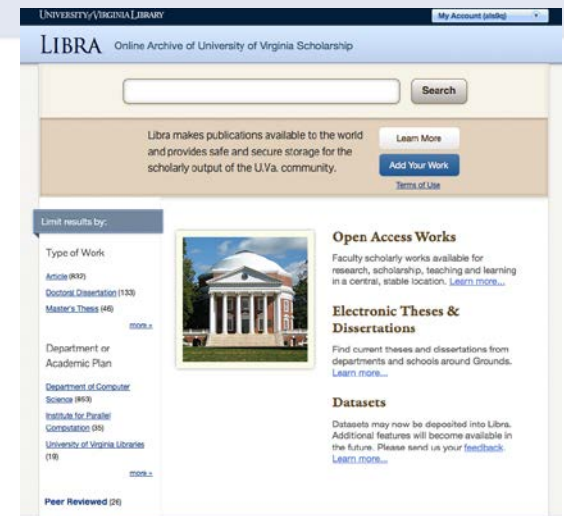


Growth of DMPTool Plans by Institution



Guiding data management support within our institutional repository

- Improvement of upstream data management practices to improve quality in downstream preservation
- Development of mechanisms for preservation of data



DIGITAL PRESERVATION NETWORK DPN
creating long-term preservation of the complete scholarly record

Shifting into “operational” support

- Implementation of grant-driven data management plans
- Plans for the sake of doing better research
- Using notebook approach

Selected additional efforts

- Data Rights and Responsibilities Guidance
 - <http://www.lib.virginia.edu/brown/data/datarights.html>
- Data Management Day at UVA
- Graduate Student Data Management Portal
 - http://pages.shanti.virginia.edu/SciDaC_Grad_Training/
- Graduate Student Data Management Bootcamp (in partnership with Virginia Tech Libraries)
- ASERL/SURA Model Language for Research Data Management Policies
 - http://www.aserl.org/wp-content/uploads/2013/01/ASERL-SURA_Model_Language_RDM_Policy_Language_FINAL.pdf
- ARL SPEC Kit on Research Data Management Services (in collaboration with JHU, data presently being collected)

Core team composition

Name	Title	Training	Percent Time	Area of Focus
Andrew Sallans	Head of Strategic Data Initiatives	MLIS MSMIT	Full-time	Management, planning, IT, budgeting
Sherry Lake	Senior Data Consultant	MLIS	Full-time	Planning, programming, storage, metadata
Bill Corey	Data Consultant	MLIS	Full-time	Policy, ownership, metadata
Andrea Denton	Health Sciences Data Consultant	MLIS	4 hours per week	Clinical research, IRBs
Ricky Patterson	Data Consultant	PhD Astronomy	Half-time	Scientific data, methods, funded research
Summer interns		MLIS	Full-time for 10 weeks	Project based

What comes next?

UNIVERSITY OF VIRGINIA LIBRARY

Data Management Consulting Group

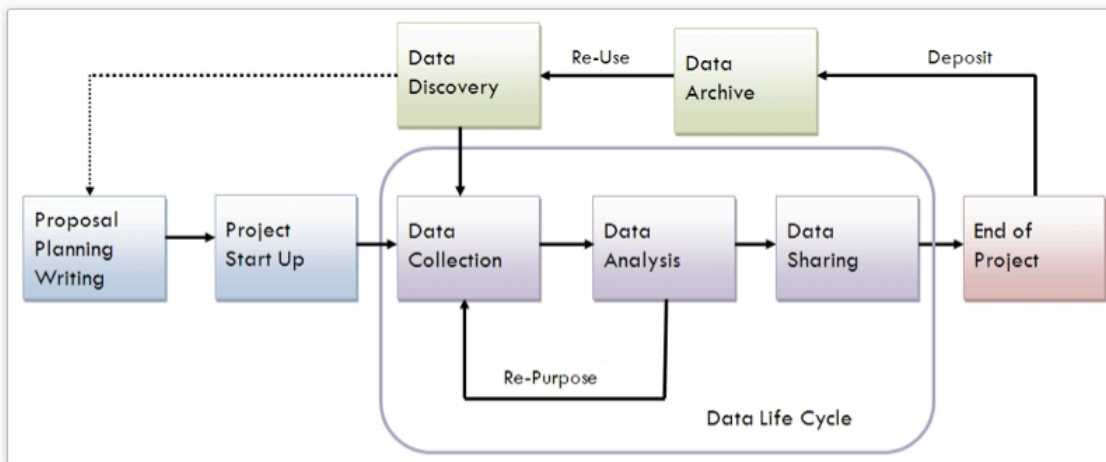


Making Data Management Easier

Libraries have been managing information for 4,000 years. Today, your libraries are evolving and building expertise to continue this tradition so that they can help you preserve research data of the past, present, and future.

The Data Management Consulting Group is ready to consult with you on your entire data life cycle, helping you to make the right decisions, so that your scientific research data will continue to be available when you and others need it in the future. [Contact us](#) now to start a conversation about your research.

Research Life Cycle



LATEST NEWS

[Research data event for VA librarians on May 16](#)

[Data Management Training Sessions](#)

[Seeking applications for summer 2013 DMPTool interns](#)

Data Management Home

Why Manage Your Data?

Data Management Plan Support

Data Management Plan Components

Questions?

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