The Realities of Research Data Management

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OCLC Research

Devoted to challenges facing libraries and archives since 1978

Community resource for shared Research and Development (R&D)

Engagement with OCLC members and the community around shared concerns

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The OCLC Research Library Partnership
Connecting you to a shared future.

~135 partnership institutions worldwide

Facilitates connections between OCLC Research and research libraries

Supports transnational sharing and peer to peer collaborative learning

Influences service design and future OCLC research

#OCLCEMEARC19
The Evolving Scholarly Record

Research data management

Outcomes

Discussion
Revision
Re-use

Method
Evidence
Discussion

PROCESS
AFTERMATH

#OCLCEMEARC19
The Realities of Research Data Management

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OCLC Project Team

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Case Studies

- Desk research followed by semi-structured interviews
- Selected four institutions with mature RDM offerings in four distinctive national environments
- Explored how institutions acquired RDM capacity
Report 1: Introduction & Framework

Report 2: Scope

Report 3: Incentives

Report 4: Sourcing & scaling

Build or buy?
Group-scale collaboration?

Incentives acting on RDM decision making

How are institutions offering services (scope)

Framework for discussing institutional RDM service offerings
Research Data Management
Service Categories

Educational
Raise awareness of RDM's importance, encourage RDM skill-building, and disclose RDM tools and resources

Expertise
Decision support for, and customized solutions to, specific research data management problems

RESEARCH DATA MANAGEMENT

"...fast, free, and confidential feedback on draft DMPs"

Educational
Expertise
Curation
Second report: in-depth case studies

RDM Service Bundle Highlights
University of Edinburgh

- EDUCATION
  - MANTRA
  - Courses & Workshops
  - RDM MOOC
  - Customized Training

- EXPERTISE
  - General Email Contact Point
  - Staff Contact Information
  - Digital Curation Centre

- CURATION
  - DataStore
  - DataVault
  - DataSync
  - Pure
  - DataShare

RDM Service Bundle Highlights
University of Illinois at Urbana-Champaign

- EDUCATION
  - Customized DMPTool
  - RDM Workshops
  - Outreach
  - Data Help Desk Drop-in
  - Data Nudge

- EXPERTISE
  - DMP Review/Feedback
  - General Email Contact Point
  - Staff Contact Information
  - Scholarly Communications
  - Digital Curation Network

- CURATION
  - Illinois Data Bank
  - Li & I Box
  - Active Data Management Support

RDM Service Bundle Highlights
Monash University

- EDUCATION
  - Online Resource Library
  - Professional Development Activities for Researchers & Students

- EXPERTISE
  - General Email Contact Point
  - Referrals to Campus Units
  - Australian National Data Service

- CURATION
  - Monash FigShare
  - VelaNode
  - Store Monash

RDM Service Bundle Highlights
Wageningen University & Research

- EDUCATION
  - Browse by Subject, FAQ
  - Online Resources
  - Training Courses
  - News Feed

- EXPERTISE
  - Online Contact Form
  - DMP Review/Feedback
  - Consultation for Data and Metadata Preparation
  - Mediated Deposit

- CURATION
  - DANS-EASY
  - 4TU Research Data
  - CORDAR
  - Pure
  - Monash
“RDM is not a monolithic set of services duplicated across universities; it is a customized solution shaped by a range of internal and external factors operating on local decision-making.”
Compliance with external policies is a strong driver in some locales.

Evolving scholarly norms are not uniform, disciplinary diversity is also a challenge.

Institutions built services in anticipation of rather than response to researcher demands.

Developing RDM expertise may be part of an institutional strategy to increase library support for research workflows.

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“Incentives to Acquire RDM Capacity” by OCLC Research, from The Realities of Research Data Management Part Three: Incentives for Building University RDM Services (https://doi.org/10.25333/C3S62F), CC BY 4.0
Fourth report: Sourcing & scaling choices

Strategic Sourcing of RDM Capacity in Four Case Study Universities

- **Build**: Maximize control, customization
- **Partner**: Share development costs, scale expertise
- **Buy**: Manage costs, relinquish some control

- 4 different universities, 4 different approaches to sourcing Curation services.

- Choices impacted by internal & external context.
Other conclusions

• Curation services are the most likely to be externalized

• Education & Expertise services usually sourced locally … so far

• Emergence of “community-scale” RDM infrastructure and services
Summary

The RDM service space can be broadly divided into three types of services: Education, Expertise, and Curation.

RDM is not a monolithic set of services duplicated across universities. Instead, it is a customized solution shaped by a range of internal and external factors.

RDM is driven by real incentives that influence university decision-making. But these incentives manifest differently in different university contexts, and can change over time.

There is no single, best model for acquiring RDM capacity. Decisions are based on local circumstances and institutional interests.
Learn more

Online curriculum
Resource for institutions to use the publications, webinars, learning guides, and syntheses of discussions for their own

oc.lc/rdm-guide

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RLP RDM Interest Group
Participants attended webinars & small group discussions about these case studies
THANK YOU

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