

CODATA, Göttingen – March 2018

# The Realities of Research Data Management

**Annette Dortmund, PhD**  
Sr Product Manager,  
Research Consultant

**OCLC**

on behalf of

**Rebecca Bryant, PhD**  
**Brian Lavoie, PhD**  
**Constance Malpas**

**OCLC Research**

## OCLC Project Team

Rebecca Bryant, PhD,  
Senior Program Officer

<https://orcid.org/0000-0002-2753-3881>



Brian Lavoie, PhD, Research Scientist

<https://orcid.org/0000-0002-7173-8753>

Constance Malpas, Research Scientist

<https://orcid.org/0000-0002-9312-8294>



- 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](#)
- [oclc.org/research](https://oclc.org/research)

## The Realities of Research Data Management



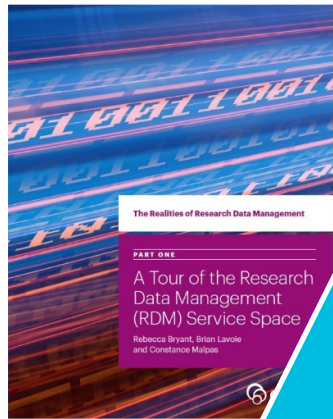
[oclc.org/esr](https://oclc.org/esr)

[oclc.org/rdm](https://oclc.org/rdm)

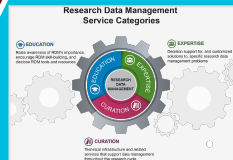
## Case Studies

- Desk research followed by semi-structured interviews
- Selected four institutions with **mature RDM offerings** in four distinctive national environments





## Report 1: Introduction & Framework



## Report 2: Scope

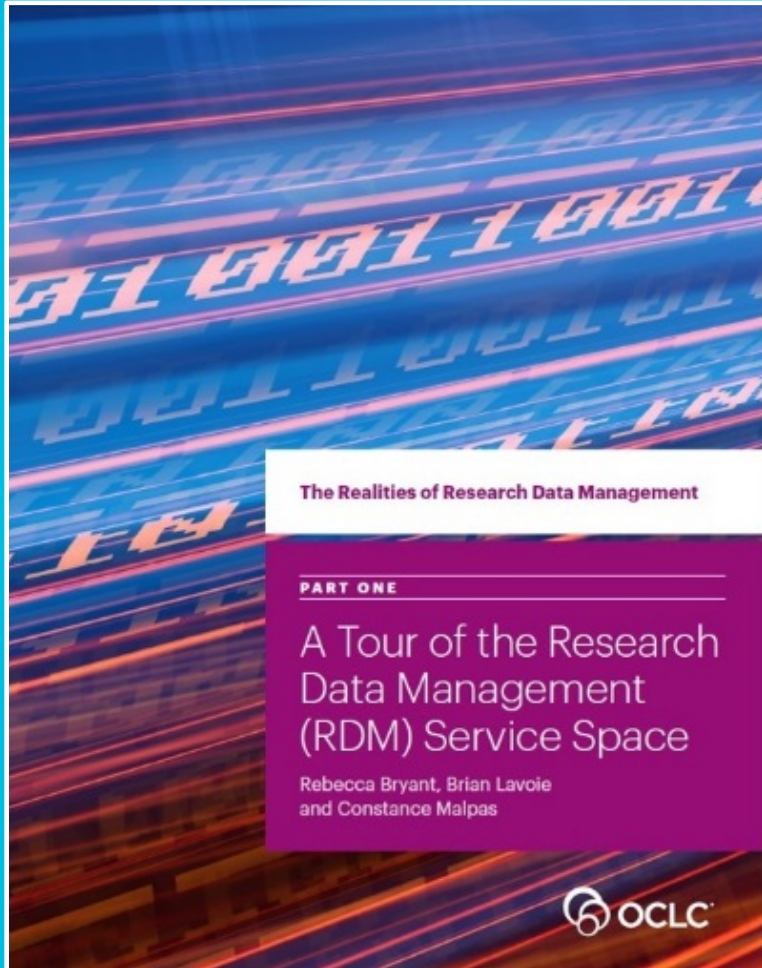


## Report 3: Incentives

## Report 4: Sourcing & scaling

- Build or buy? Local or external?
- Institution scale or scaled above the institution?
- Institutional problem to be solved
- Internal and external incentives
- Scope of the RDM capacity in each of the four universities
- Specific services in each cluster





# The Framework

# Research Data Management Service Categories

## **EDUCATION**

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

## **CURATION**

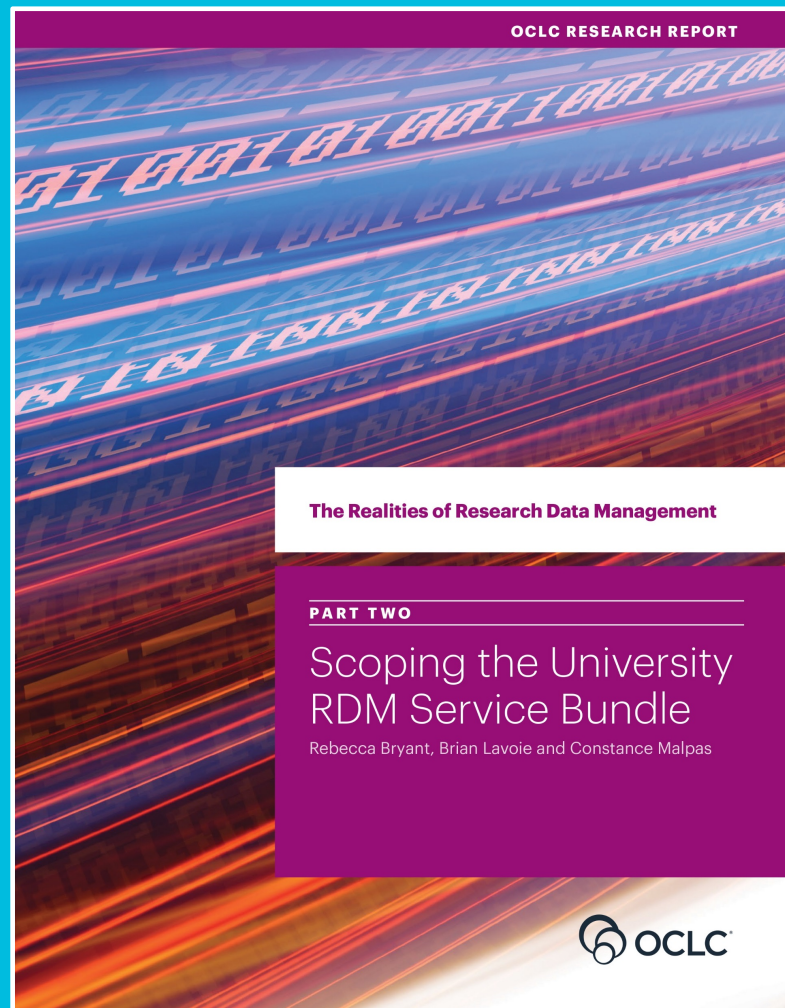
Technical infrastructure and related services that support data management throughout the research cycle



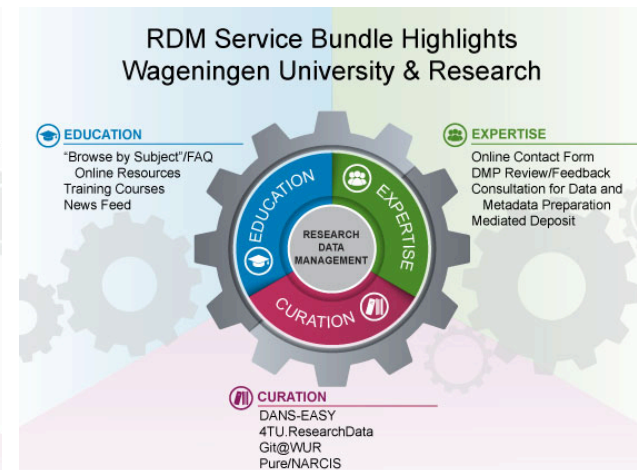
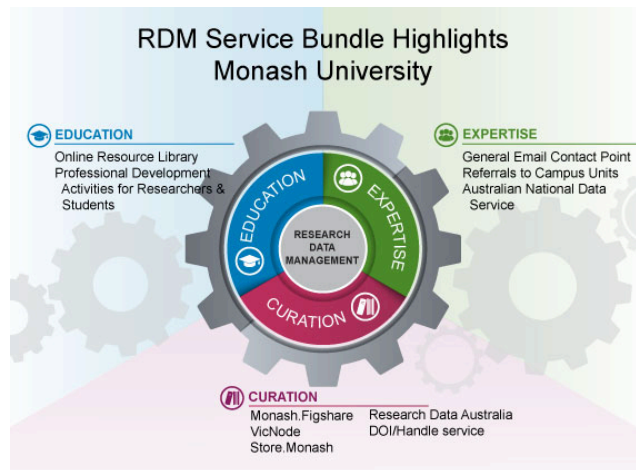
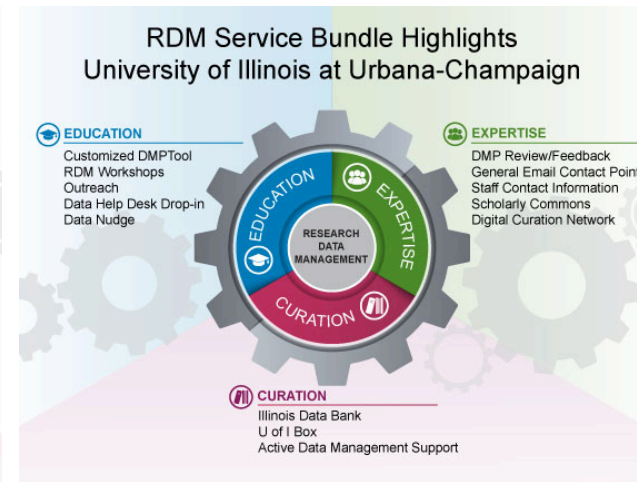
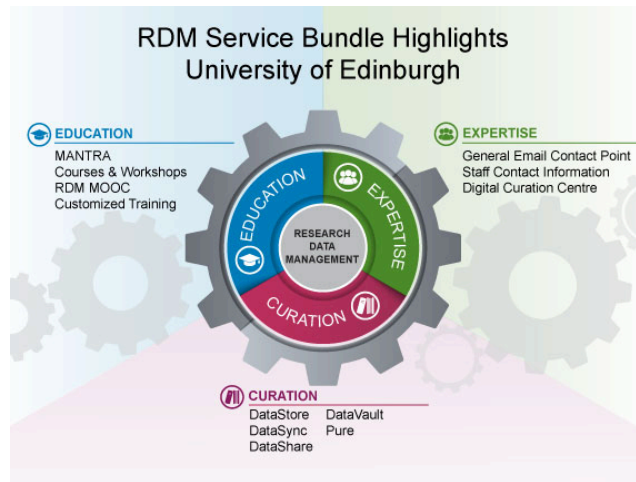
"RDM Service Categories" by [OCLC Research](#), from  
[The Realities of Research Data Management, Part One: A Tour of the Research Data Management \(RDM\) Service Space \(https://doi.org/10.25333/C3PG8J\)](https://doi.org/10.25333/C3PG8J), CC BY 4.0







# Scope



"RDM Service Bundle Highlights" by [OCLC Research](https://doi.org/10.25333/C3PG8J), from  
[The Realities of Research Data Management Part Two: Scoping the University RDM Service Bundle \(https://doi.org/10.25333/C3PG8J\)](https://doi.org/10.25333/C3PG8J), CC BY 4.0



# RDM Service Bundle Highlights University of Edinburgh



"RDM Service Bundle Highlights: University of Edinburgh" by [OCLC Research](#), from  
[The Realities of Research Data Management Part Two: Scoping the University RDM Service Bundle \(https://doi.org/10.25333/C3PG8J\)](https://doi.org/10.25333/C3PG8J), CC BY 4.0



# 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.ResearchData
- Git@WUR
- Pure/NARCIS



"RDM Service Bundle Highlights: Wageningen University & Research" by [OCLC Research](#), from  
[The Realities of Research Data Management Part Two: Scoping the University RDM Service Bundle \(https://doi.org/10.25333/C3PG8J\)](https://doi.org/10.25333/C3PG8J), CC BY 4.0



# 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 Commons
- Digital Curation Network



### CURATION

- Illinois Data Bank
- U of I Box
- Active Data Management Support



"RDM Service Bundle Highlights: University of Illinois at Urbana-Champaign" by [OCLC Research](#), from [The Realities of Research Data Management Part Two: Scoping the University RDM Service Bundle \(https://doi.org/10.25333/C3PG8J\)](https://doi.org/10.25333/C3PG8J), CC BY 4.0





# RDM Service Bundle Highlights Monash University



## EDUCATION

Online Resource Library  
Professional Development  
Activities for Students  
& Researchers



## EXPERTISE

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



## CURATION

Monash.Figshare  
VicNode  
Store.Monash  
Research Data Australia  
DOI/Handle service



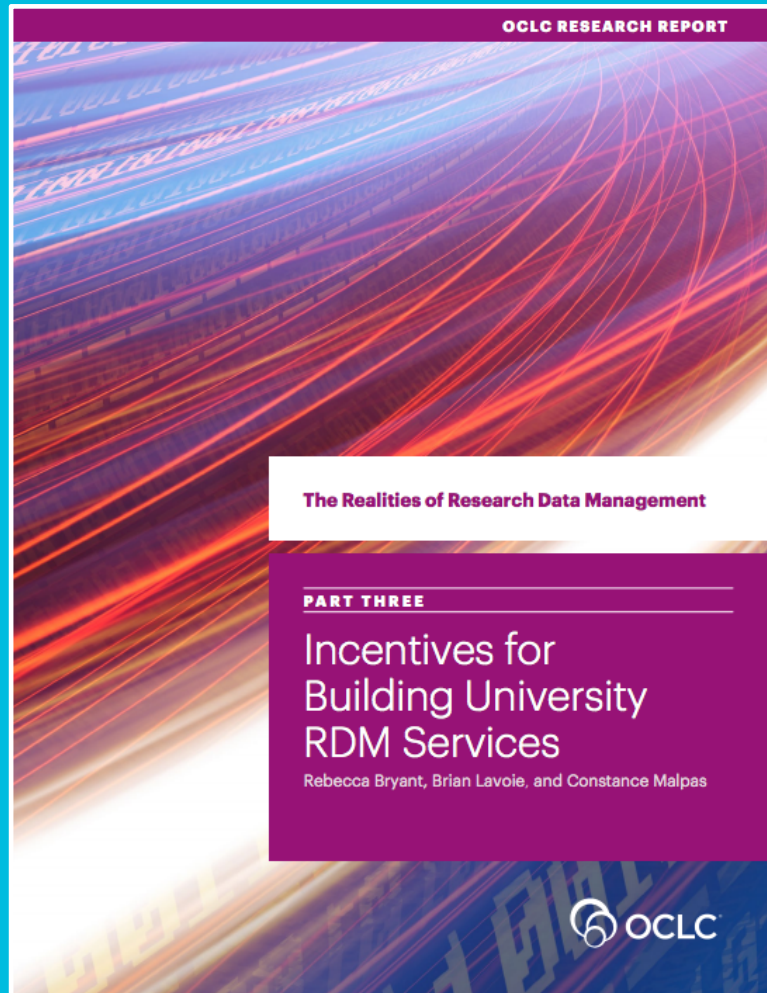
"RDM Service Bundle Highlights: Monash University" by [OCLC Research](#),  
[The Realities of Research Data Management Part Two: Scoping the University RDM Service Bundle \(https://doi.org/10.25333/C3PG8J\)](https://doi.org/10.25333/C3PG8J), CC BY 4.0



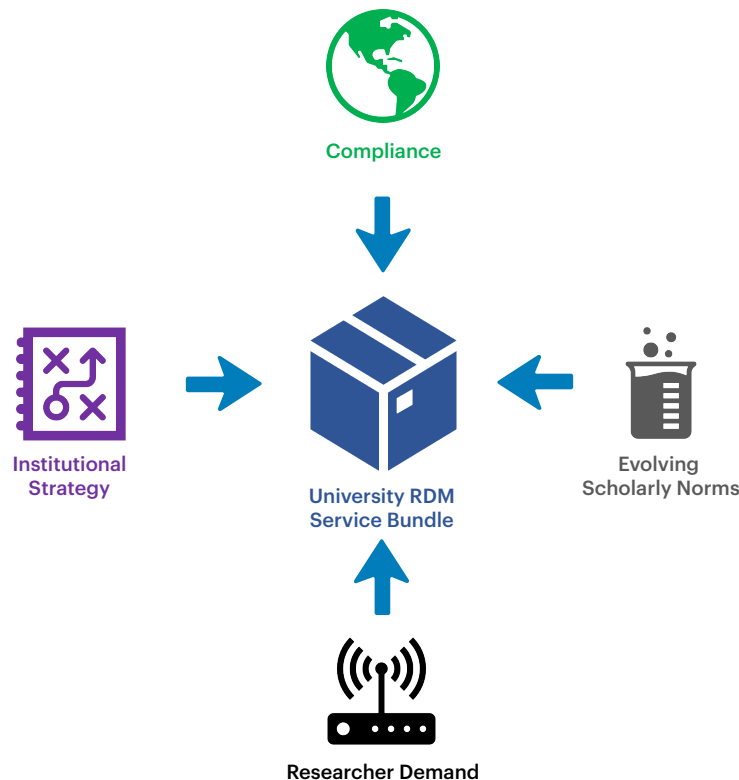


***“RDM is **not a monolithic set of services duplicated across universities;**  
it is a **customized solution** shaped by a range of internal and external factors operating on local decision-making.”***

***“An RDM service bundle includes not just what is built and deployed locally, but the full range of services, **sourced locally and externally**, that the institution manages, or to which it brokers access.”***



# Incentives



**Compliance** with external policies is a strong driver in some locales

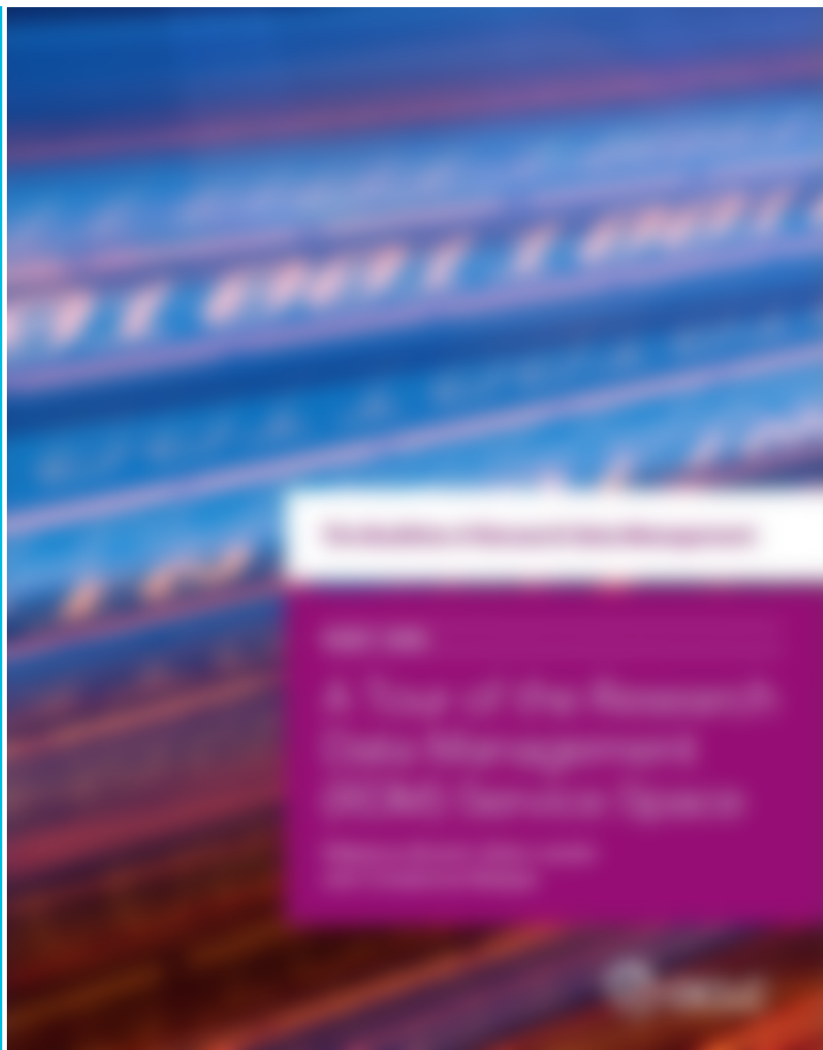
**Evolving scholarly norms** are not uniform, disciplinary diversity is also a challenge

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



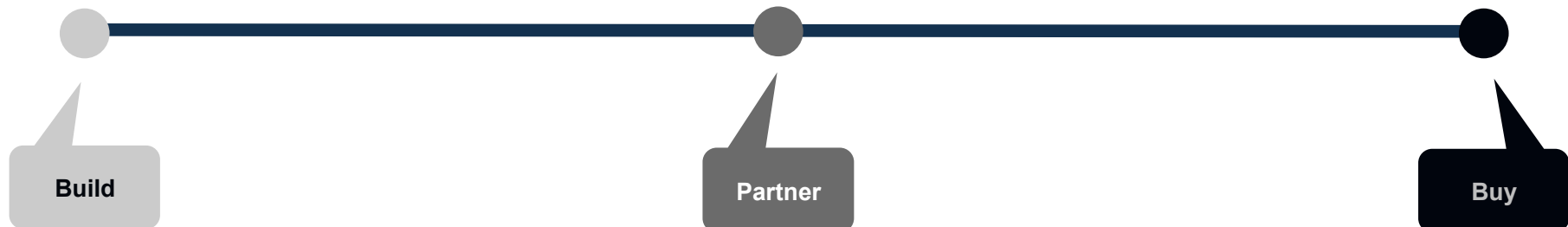
"Incentives to Acquire RDM Capacity" by [OCLC Research](#), from [The Realities of Research Data Management Part Three: Incentives for Building University RDM Services](#) (<https://doi.org/10.25333/C3S62E>), CC BY 4.0



# Sourcing & Scaling Choices

*Coming April 2018*

# Strategic Sourcing of RDM Capacity in Research Universities







# Summary

[oclc.org/rdm](https://oclc.org/rdm)



***“It would be a mistake to imagine  
that there is a single, best model  
of RDM service capacity,  
or a simple roadmap to acquiring it.”***

## Questions for discussion

- What is a „good“ RDM service bundle?
- Is there a notion you have to „tick all the boxes“ to be a credible RDM player? Is the strategic absence of certain services a „gap“?
- Do you dare partner or source externally?
- Do you dare make strategic choices to NOT do certain things, to free up resources to focus on what is most relevant or impactful in *your* circumstances?



# Thank you!

**Annette Dortmund, PhD**

OCLC EMEA

<http://orcid.org/0000-0003-1588-9749>

[dortmuna@oclc.org](mailto:dortmuna@oclc.org)

@libsun

