

# Research Data Management

VALA2016 L-Plate Session 3b

#vala16 #lp6

**Presented by**

Katrina McAlpine @katreeena

Research Data Manager



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I ♥ DATA

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WEPT

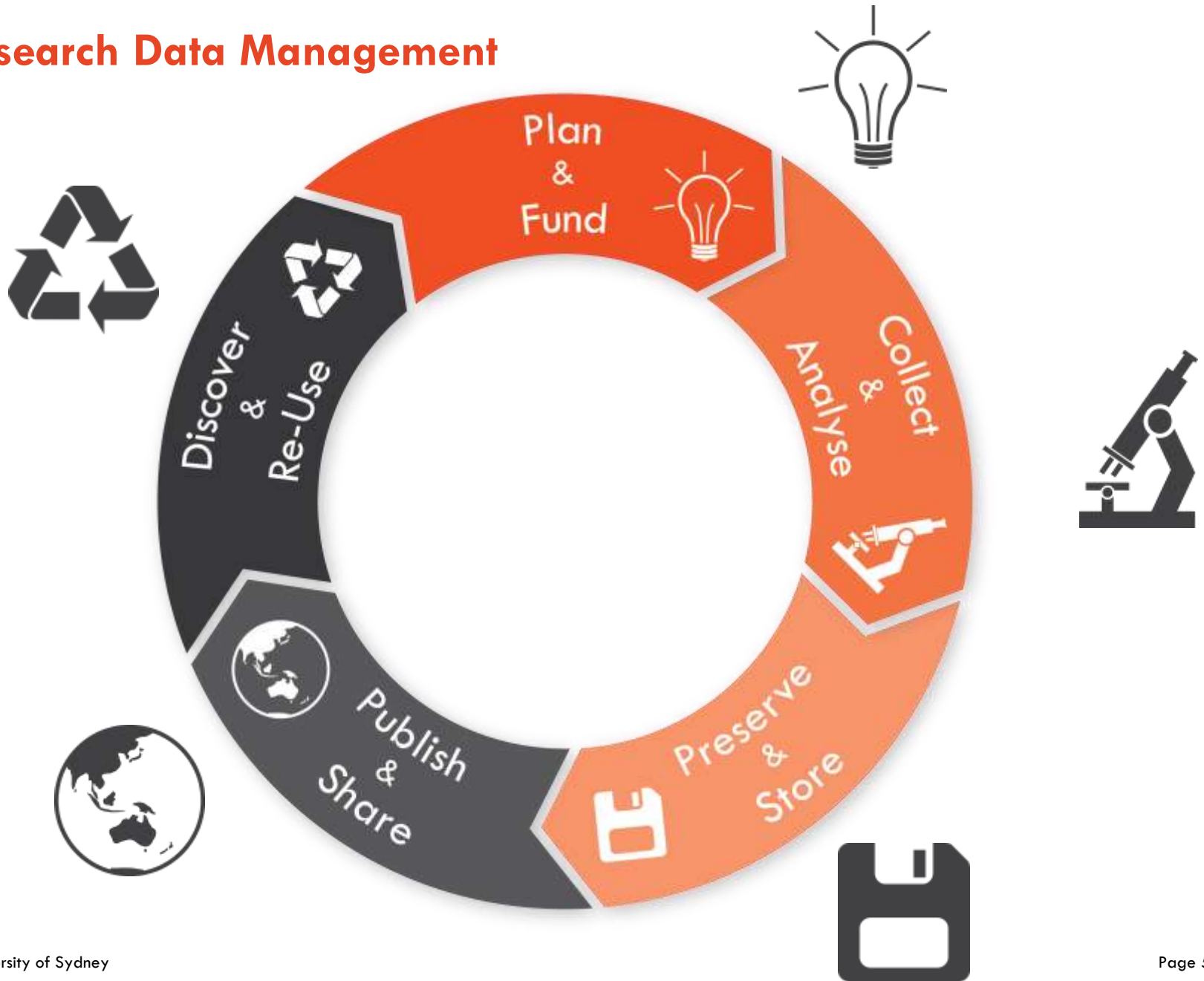
## Defining Research Data

**images, Documents** (text, Word), **spreadsheets,**  
**Laboratory notebooks,** field notebooks, diaries  
Questionnaires, **transcripts,** codebooks  
**Audiotapes, videotapes,** Photographs, films,  
**Slides,** artefacts, **specimens, samples** Data files  
Database contents **video, audio, text**  
**Models,** algorithms, **scripts, Test responses**

# DMP Bingo card 1

Data access is not by request	No data documentation details	Does not specify which data will be preserved	"Preservation" on research machines/local servers	No preservation plan
At least 1 off-site backup	Sharing documentation with the data	Uses proprietary file format or software	Can't tell which data will be shared	Data deposited in multiple repositories
Sets a FIRM sharing date	Mentions file types & file formats <sup>†</sup>	 <p>- Wrote a DMP -</p>	Names a data repository	Not using a data repository
Sharing files in proprietary file format	Back-ups are primarily on researcher machines	Does not specify reuse license or restrictions.	Uses a flash drive, removable drive, or DVDs	Confuses publication & conferences with data sharing
Mentions metadata	Describes the data that will be created/utilized	Sharing data via SI <sup>†</sup> with publication	Does not commit to a minimum retention period	Undefined acronym(s)

# Research Data Management





**Atif Kukaswadia, PhD**

@DrEpid



Follow

We don't know how the results were obtained. The postdoc who did all the work has since left to start a bakery.

[#overlyhonestmethods](#)



**Morgan Edwards**

@mangoedwards



Follow

I can't send you the original data because I don't remember what my excel file names mean anymore [#overlyhonestmethods](#)



**Liz Batty**

@embatty



Follow

We grew the cells in DMEM not GMEM because I couldn't read the handwriting of whoever froze them last time.

[#overlyhonestmethods](#)

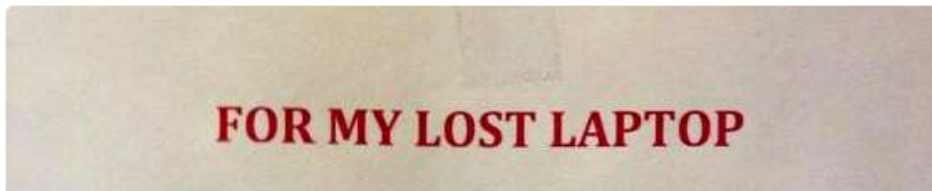
# Why does it matter?



**Whitney**  
@arieswym

Rutgers PhD student is looking for stolen laptop w/ 5 years of research for dissertation.

#phdchat



Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

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Journal of Business Venturing 25 (2010) 445–464



## Externally commercializing technology assets: An examination of different process stages

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### Abstract

Businesses applying technological knowledge to products and services may externally leverage their technology assets, e.g., by means of technology licensing. Despite its increasing managerial and theoretical importance, external technology transfer has been relatively neglected in prior research. We use data from 152 external technology licensing transactions to analyze how different levels of proficiency in managing different stages of the external technology licensing process influence a firm's out-licensing performance. With the trend towards open innovation and crowdsourcing, research represents an important complement to the large number of success factor studies into new product development. © 2009 Elsevier Inc. All rights reserved.

**Keywords:** External technology commercialization; External technology licensing; Technology exploitation; Technology transfer

### 1. Executive summary

External technology exploitation refers to commercializing technological knowledge exclusively or in addition to its application in a firm's own products. Outward technology transfer through various contractual forms, particularly out-licensing agreements, has recently become a major trend in industrial firms. Thus, it goes far beyond a marginal activity of commercializing residual technological knowledge. By licensing out technology, firms attempt to realize the strategic benefits of external technology exploitation. Concerning monetary benefits, various pioneering firms (e.g., 3M and DuPont chemicals) generate hundreds of millions dollars in annual licensing revenues. Despite the enormous success of pioneering companies, however, most other firms face considerable difficulties in managing successful technology exploitation.

This discrepancy between a few successful pioneering firms on the one hand and many unsuccessful companies on the other can be explained by prior research. The limited understanding of successfully managing external technology exploitation underlines the strong research deficit. Prior research into technology exploitation has focused on the application of technological knowledge inside the firm, i.e., new product development. Research into technology transactions, by contrast, has mainly studied the acquisition of external technology. Thus, external

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Retraction Watch

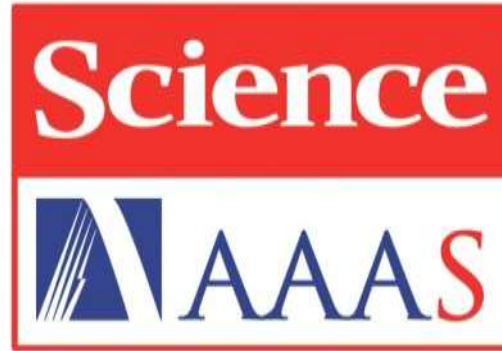
# funding

A11.5.2 Researchers and institutions have an obligation to care for and maintain research data in accordance with the Australian Code for the Responsible Conduct of Research (2007). The ARC considers data management planning an important part of the responsible conduct of research and strongly encourages the depositing of data arising from a Project in an appropriate publically accessible subject and/or institutional repository.

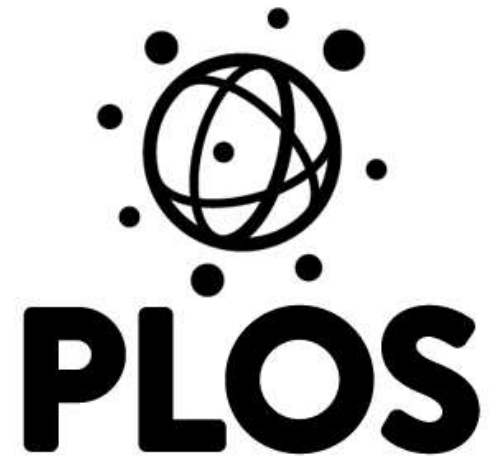
*ARC Funding Rules for schemes under the Discovery Programme*



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- Copyright and licensing
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- Citizen Science

re3data.org  
REGISTRY OF RESEARCH DATA REPOSITORIES

ands  
AUSTRALIAN NATIONAL DATA SERVICE



Research Data Australia

data.gov.au

GALAXY ZOO

# Questions?

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