

26th June 2017

Putting preservation into practice using shared preservation infrastructure

- » Jisc Shared Service Overview – Dom Fripp
- » Preservation System Supplier – Arkivum: Matthew Addis
- and Artefactual (Archivematica): Peter Van Garderen
and Kelly Stewart
- » Preservation System Supplier – Preservica: Jon Tilbury
- » Coffee
- » Panel and questions

- » Policy compliance
- » Efficiencies
- » Better research
- » Better Discovery
- » Better Preservation



CAUTION

PRESERVATION
AT WORK

MAINTENANCE HELPS
• PRESERVE OUR
• HERITAGE

A
KEY

requirement

Can we identify our research data?

We ran Droid* over the research data deposited with us over the past year.
Out of 3752 individual files:

- only 37% (1382) of the files were identified (with varying degrees of accuracy)
- there were 34 different identified file formats in the sample

* Droid is a free tool from The National Archives that can be used to automatically identify file formats

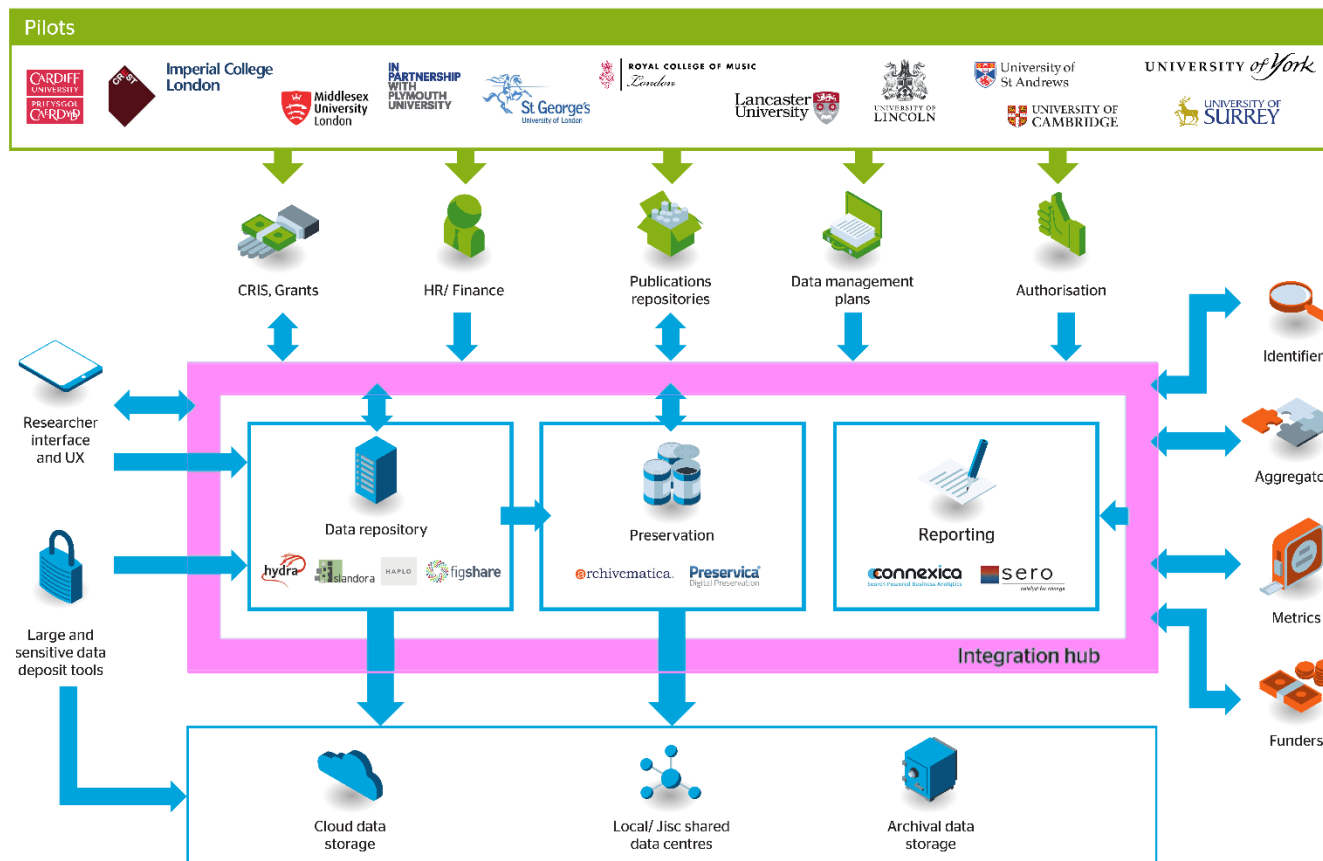
Identified research data files

Files identified by Droid (listed by file type)
...note that native files of the software in the previous graph of research data applications are not represented

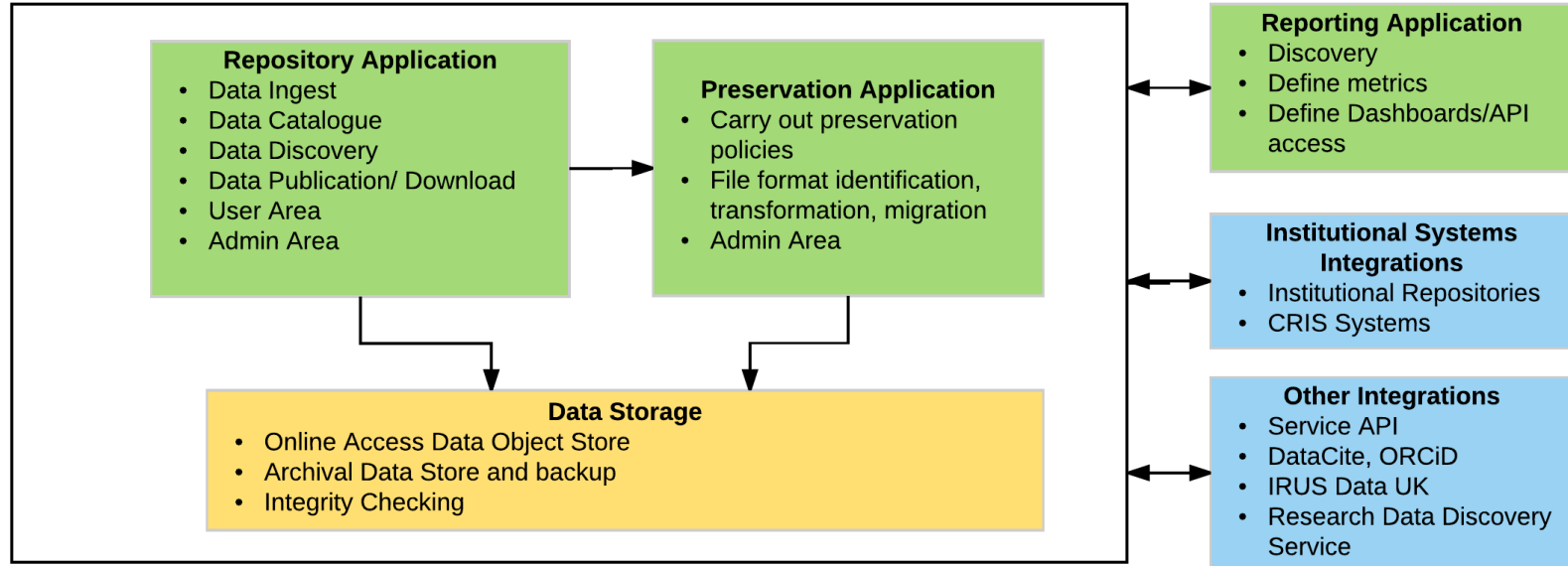
Unidentified research data files

- Files not identified by Droid (listed by file ext)
- 107 different file extensions not identified
 - huge number with no extension (help!)
 - how do we solve the .dat file problem?

Count of file extensions of unidentified files
(includes extensions represented 10 or more times)



User Experience: Principles, Governance, Testing and Development



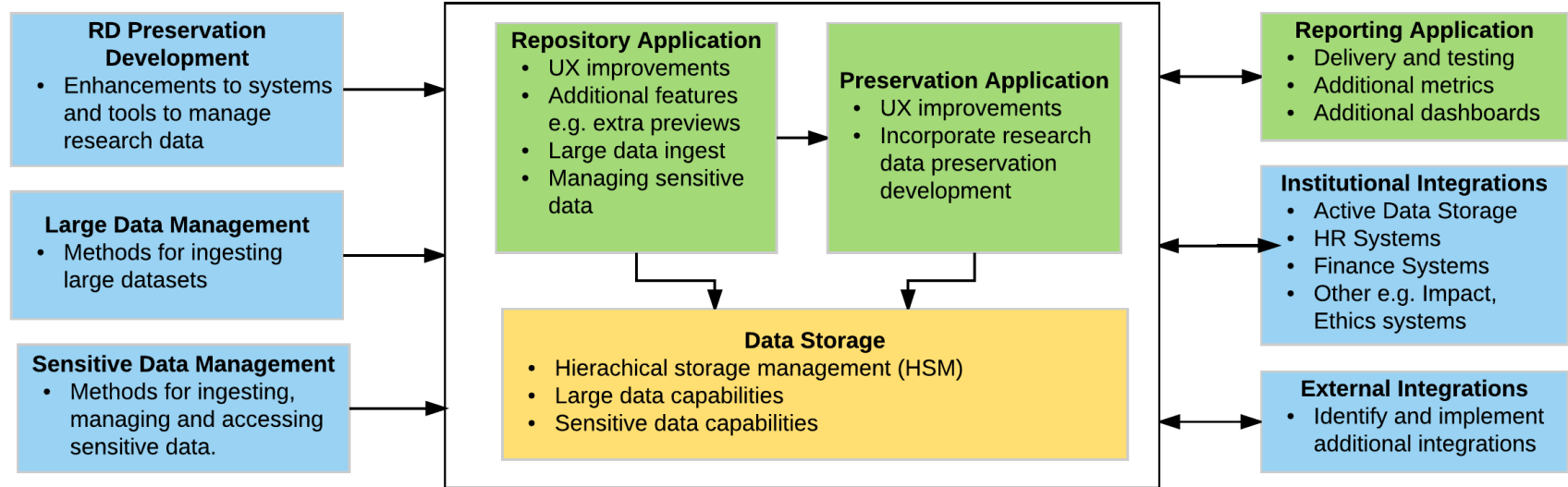
Technical underpinning: data model & architecture: event notification, APIs, infrastructure as code, micro-services, authentication & security.

Provided by RDSS Framework - Platforms

Provided by RDSS Framework - Development

Provided by Jisc / Other Jisc procurement route

User Experience: Principles, Governance, Testing and Development



Technical underpinning: Testing and improvements to data model & architecture for scalability, robustness and security

Provided by RDSS Framework - Platforms

Provided by RDSS Framework - Development

Provided by Jisc / Other Jisc procurement route

There is no
“One size fits
all”



Results of the survey



HEIs' role

75% of respondents look first to their institution to preserve their data



Advocacy

Only 16% of respondents are currently accessing university RDM support services



Public data

>70% recognise that research is a public good and should be open to all



Use of DMPs

Only 40% of respondents have a Research Data Management plan



Metadata

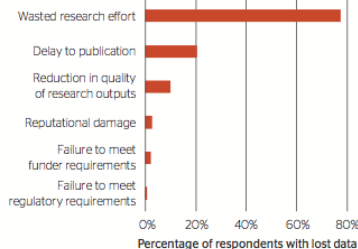
Only 18% of respondents say they follow established metadata guidelines



Sensitive data

41% of respondents have some form of sensitive data

17% of respondents had lost data, resulting in...

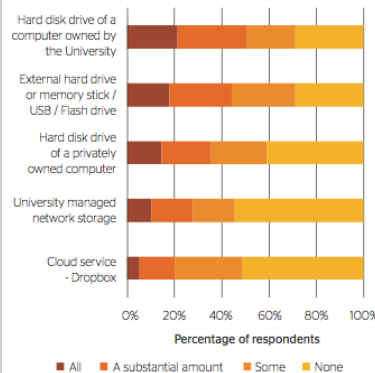


Top three causes for loss of data

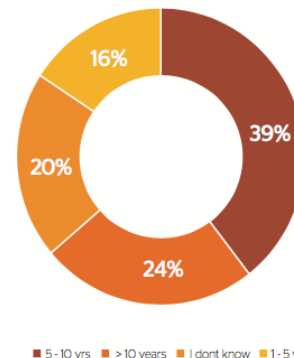
1. Hardware failure
2. Human error
3. Equipment stolen

Where do respondents store their research data?

Top 5 locations



How long do respondents expect data to be kept?

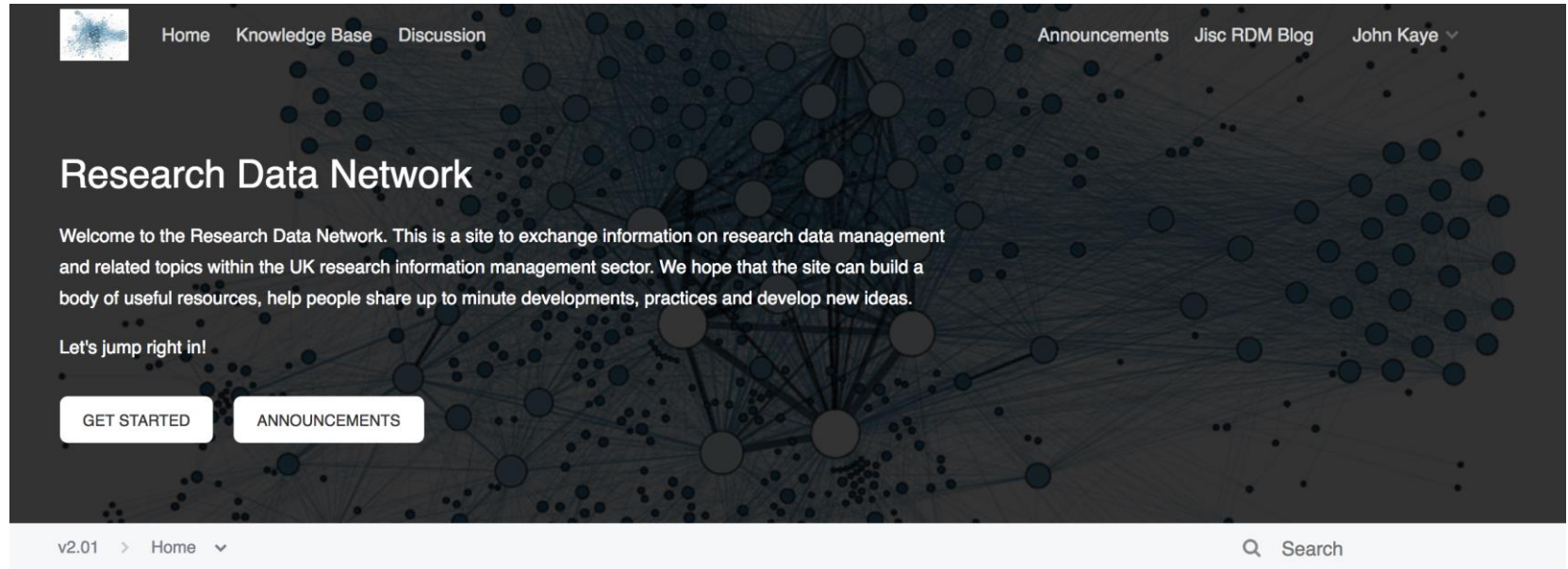



"Support is woeful in the university currently, in particular long-term data archiving is critically required. Most of my non-current data is rotting on CD's and hard-drives."

"Please, individualise the support. Workshop are useless, emails with information are useless, brochures are useless, posters are useless."

"I currently spend about £1,200 pa on data storage from my own salary. I have the highest data needs in my School, and there is no plan in place for storing my data."

"It would be helpful to clarify the rules for storing anonymised data on cloud services. My departmental rules say this is never OK, however this seems to contradict University rules."




[Home](#)
[Knowledge Base](#)
[Discussion](#)

[Announcements](#)
[Jisc RDM Blog](#)
[John Kaye](#)

Research Data Network

Welcome to the Research Data Network. This is a site to exchange information on research data management and related topics within the UK research information management sector. We hope that the site can build a body of useful resources, help people share up to minute developments, practices and develop new ideas.

Let's jump right in!

[GET STARTED](#)
[ANNOUNCEMENTS](#)

v2.01 > [Home](#)

Search



Announcements

[VIEW ALL](#)

- New site features added
- Google Doc for UKSG 2017 Research Data Shared



Guides

[VIEW ALL](#)

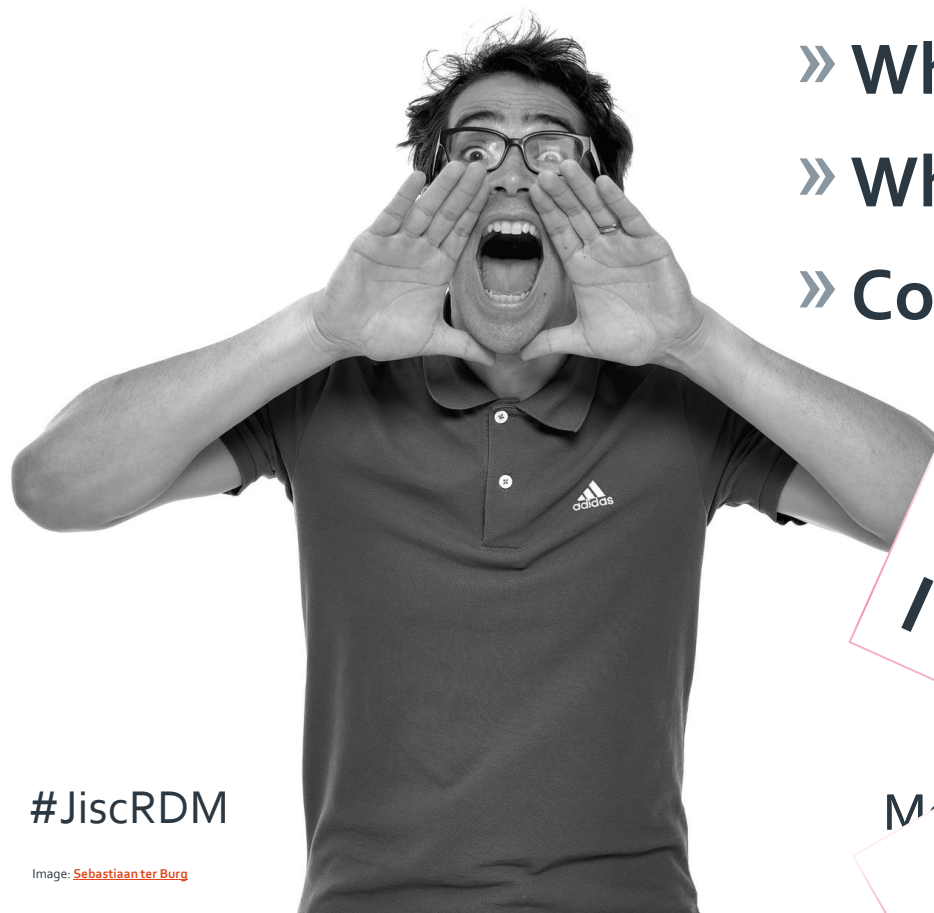
- How to use the network site
- Research Data Network Workshops



Discussion

[VIEW ALL](#)

- What features would you like to see on the RDN site?



- » **When:** 27th to 28th June 2017
- » **Where:** York, Ron Cooke Hub
- » **Cost:** Free!

#JiscRDM

Image: [Sebastiaan ter Burg](#)

I know the organiser...
But... open
the
http://researchda

- » Blog: <https://researchdata.jiscinvolve.org/wp/>
- » Research Data Network: <http://researchdata.network>
- » Shared Service web page:
<https://www.jisc.ac.uk/rd/projects/research-data-shared-service>
- » Github <https://github.com/JiscRDSS>
- » Zenodo Community: <https://zenodo.org/communities/rdn>
- » Kaye, J., Bruce, R. & Fripp D, (2017) Establishing a shared research data service for UK universities. Insights
<http://doi.org/10.1629/uksg.346>