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# Introducing the DataVault

#### • Practice paper:

- 1. What is the DataVault
- 2. Use cases
- 3. How does it work
- 4. Demo
- 5. What do you think?









# Research Data Management Services

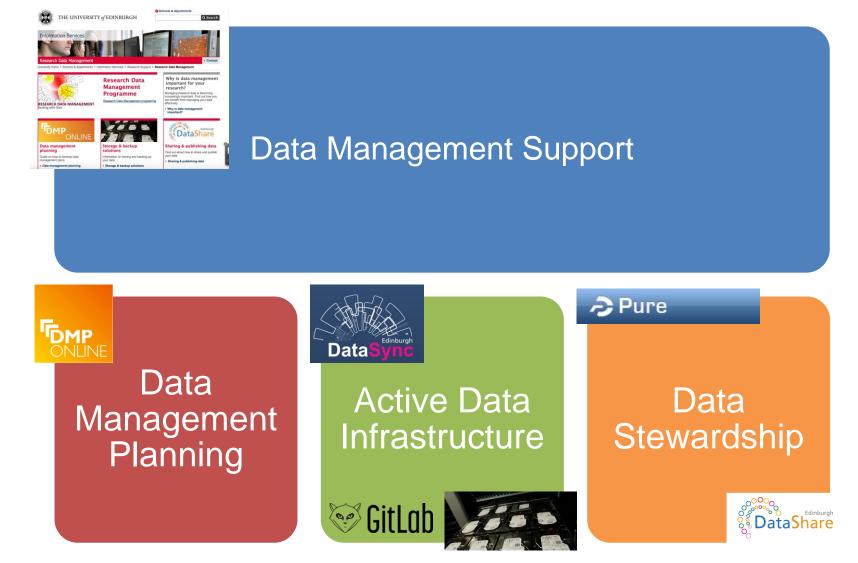
Data Management Support

Data
Management
Planning

Active Data Infrastructure

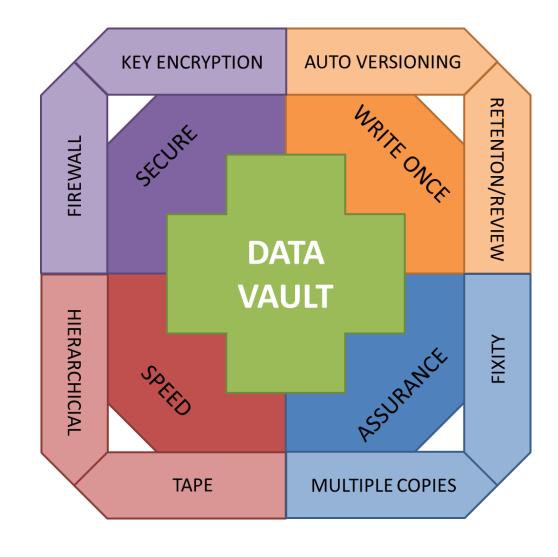
Data Stewardship

# Research Data Management Services



# Data Stewardship

- DataVault
  - Long term archival storage
  - First envisaged a few years ago...











# What is the DataVault - Analogies











# What is the DataVault - Analogies











### Where does it sit?

**Active Storage** 

Lab Equipment



Archival Storage

Other Media









### What is the DataVault?

- It's a platform (a bit of web-based software), not a storage system
  - You still need an archival storage system

- It is provided via a RESTful API
  - But also comes with a default web user interface application

- It's doesn't undertake any active preservation activities
  - It does collect metadata and package the data for long-term storage









### DataVault use cases

• Store golden-copy data so that it can't be changed

Storing finalised data that can't be openly shared (or 'everything else')

Retaining old data in case it can be re-analysed later on

Retention to meet funder requirements

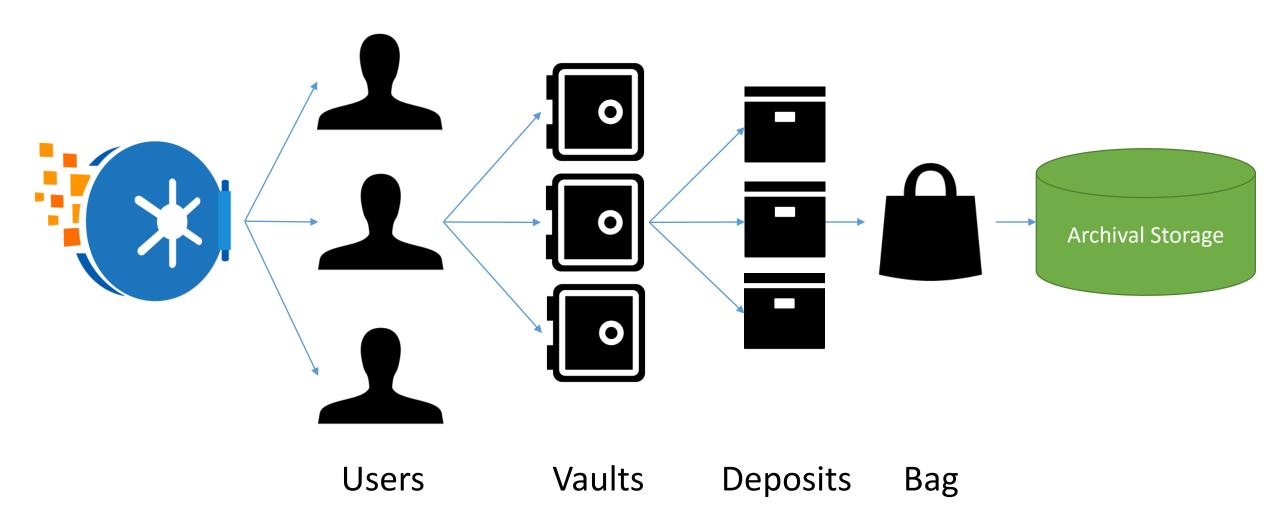






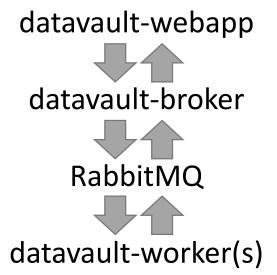


### Information Architecture



## Technical Architecture













# Project funding

Funded by Jisc

• DataSpring 'Research at Risk' programme

Three phases

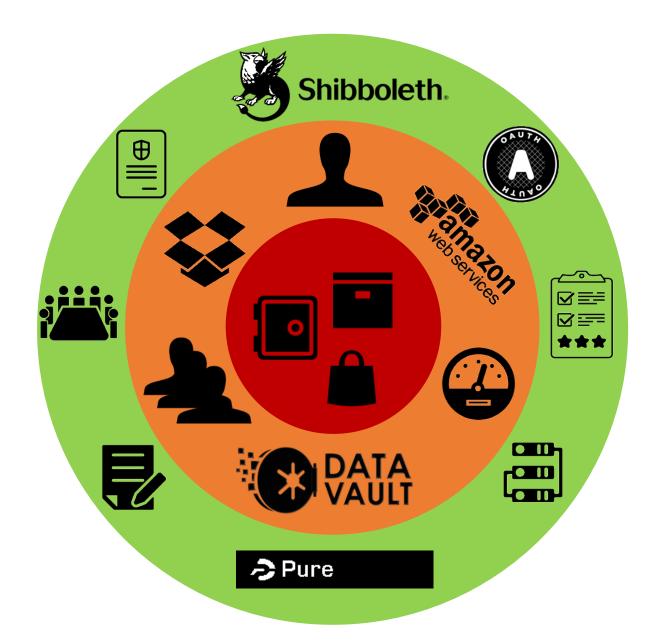
• Ideascale → pitches



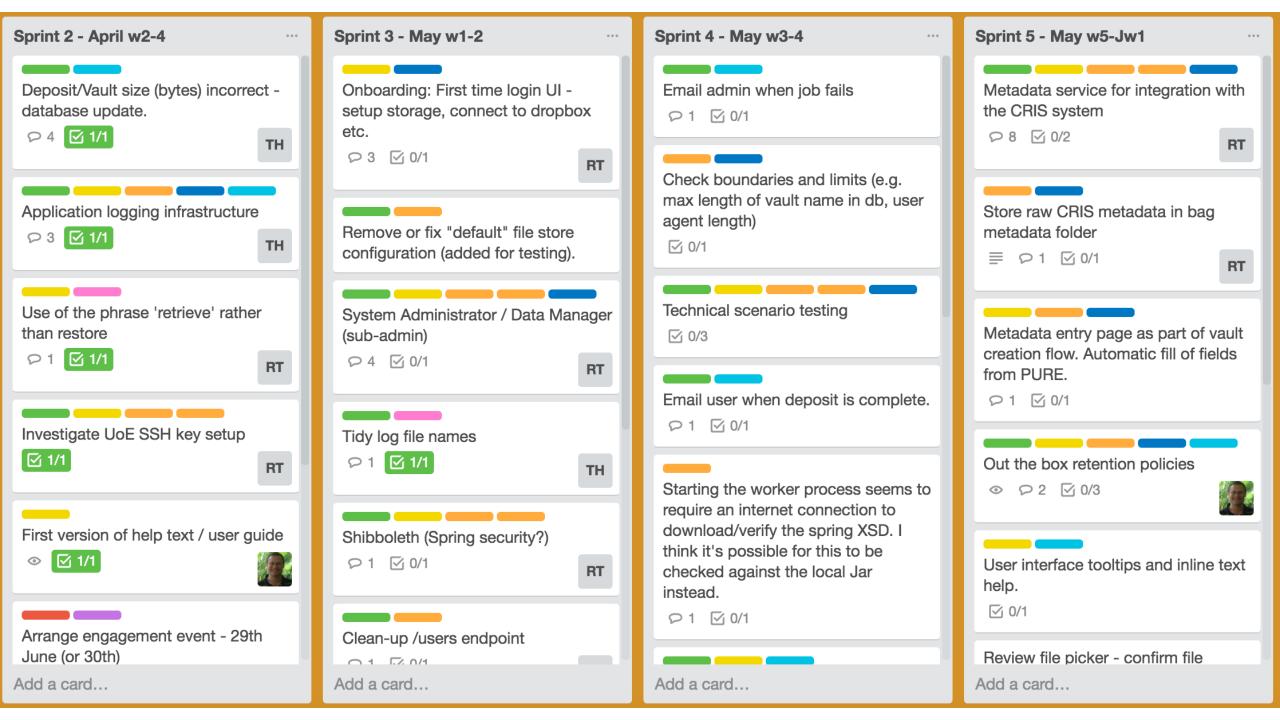






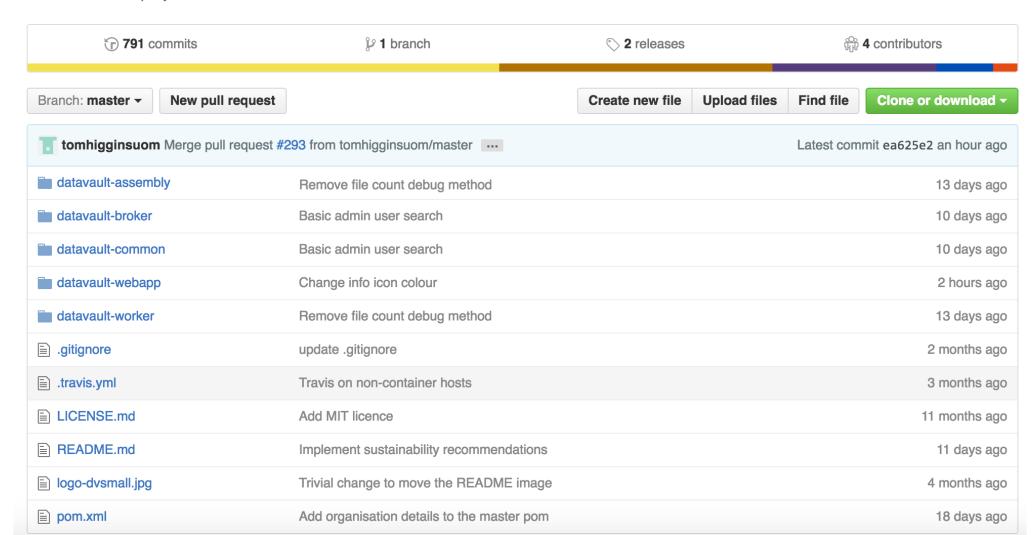


- Phase 1 (3 months)
- Phase 2 (4 months)
- Phase 3 (6 months)





#### JISC DataVault project — Edit



### Demonstration time...

Home Help Feedback Groups Administration USER18▼

### **Data Vault**

Keep your research data safe.

Welcome to the Data Vault!

Please use the 'Create new Vault' button below to get started...

Create new Vault









Demonstration time...

• Try it yourself...

http://demo.datavaultplatform.org/

# What do you think?

- Do you agree with the use cases?
- Do you see a need for such a tool?
- Do you think the tool approaches preservation appropriately?
- Do you think it is missing any obvious features?

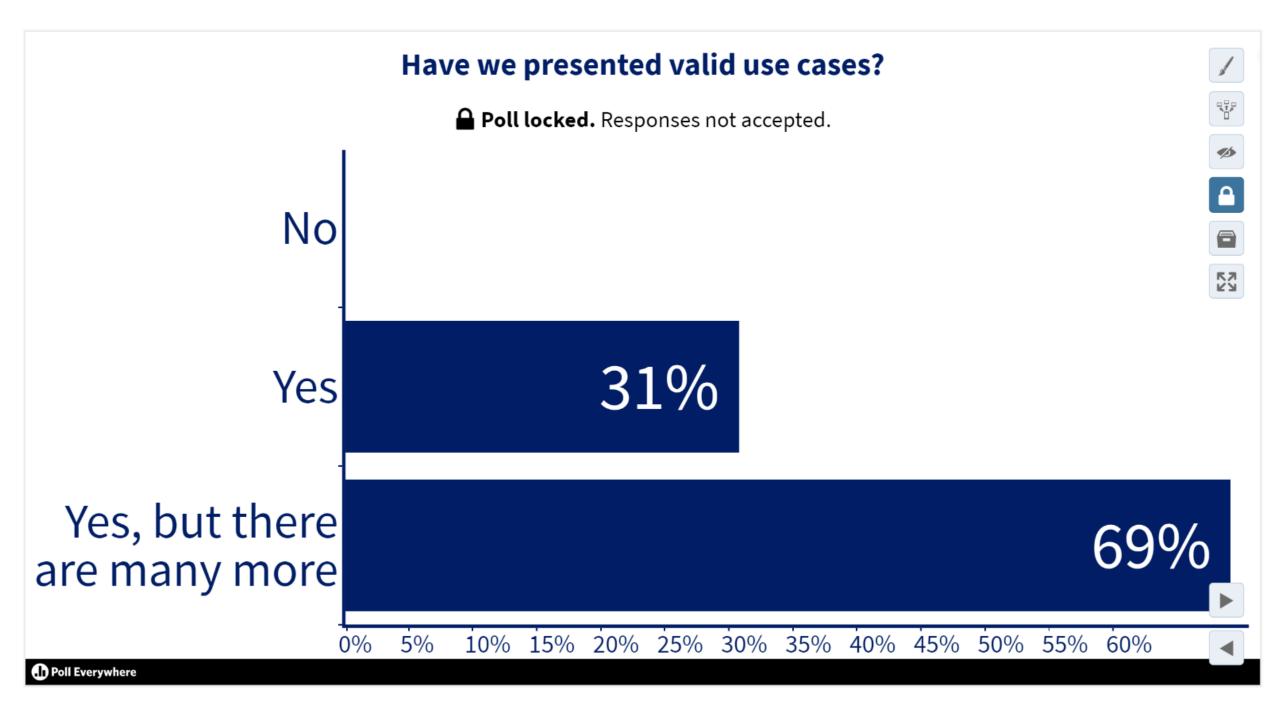
- Are you going to investigate it further!
  - Please talk to us!





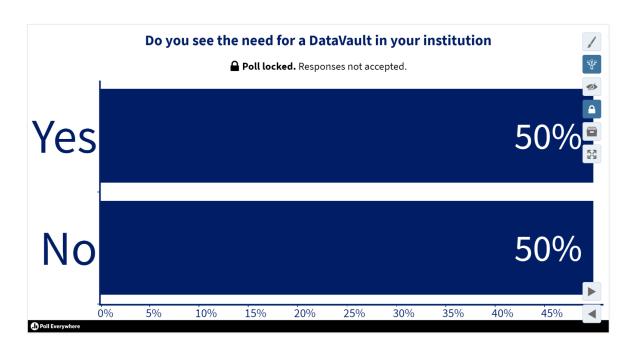


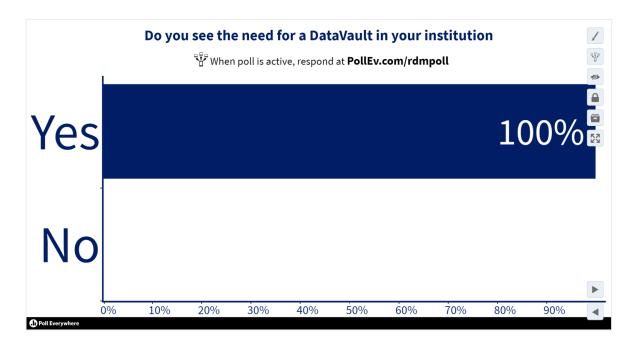




IDCC (February 2016)

Jisc Research Data Network (May 2016)





### Do you think the DataVault does enough 'preservation'



**△** Poll locked. Responses not accepted.



"I don't feel like I have enough information to answer the question." 3 months ago

"No, not as yet"

"For its limited purpose, yes."

3 months ago



"Its doing bit preservation which is necessary, but not sufficient."

3 months ago

"Unsure - need more information"

3 months ago

"depends on the use cases"

3 months ago



"Not sure..."

3 months ago

"Surely, more complex formats will become unusable over time??"

3 months ago

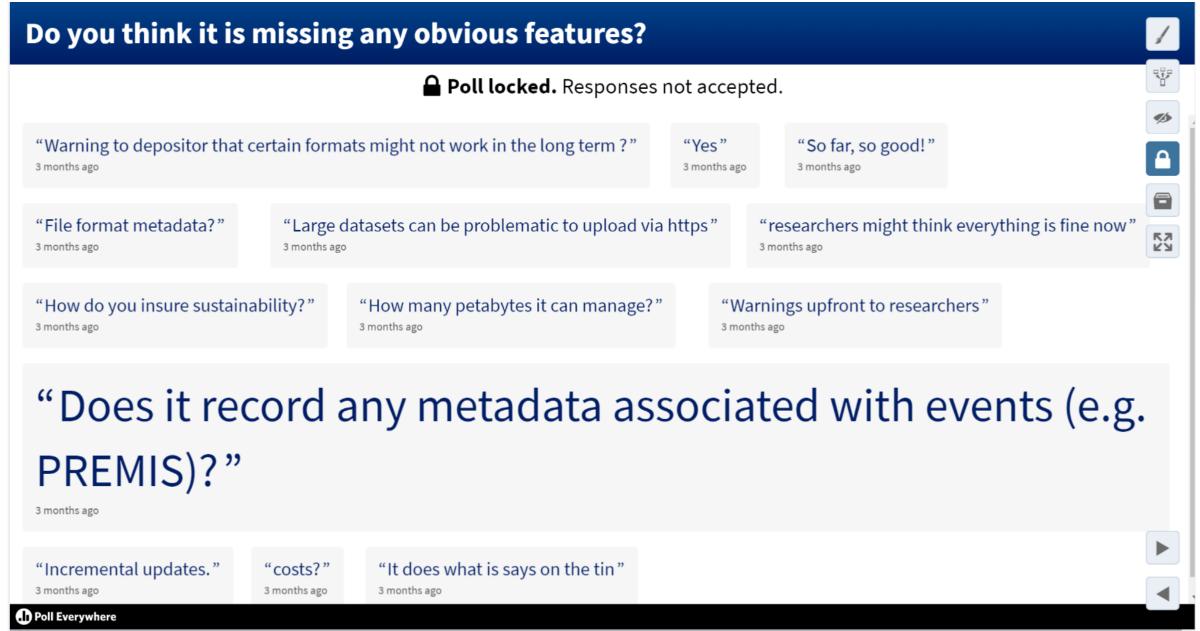
"No"

"No, but is better than nothing. And couldn't it be expanded?"

3 months ago







# Hot off the press...



# Data Vault Implementation Workshop

Wednesday 29th June 2016, Central London (Islington)

15 spaces (1x RDM + 1x Tech)

Keep an eye out for the booking form / speak to me











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