MONASH University

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LIBRARY

Monash Imaging Data Project

Patrick Splawa-Neyman

Data Librarian + Project Manager

GROUP OF EIGHT AUSTRALIA

https://dx.doi.org/10.4225/03/57D9FE0A2FA09

@PatrickS_N

Monash Imaging Data Project Deliverables

1. Develop an engagement strategy and materials for key researchers
2. Commence researcher engagement
3. Develop data pipelines to the Imaging Locus via MyTardis / monash.figshare integration
4. Publish open imaging collections
5. Enable automating feeds to Research Data Australia

https://dx.doi.org/10.4225/03/57D9FE0A2FA09
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Monash Imaging Data Project Deliverable #1a

1. **Develop an engagement strategy** and materials for key researchers
2. Commence researcher engagement
3. Develop data pipelines to the Imaging Locus via MyTardis / monash.figshare integration
4. Publish open imaging collections
5. Enable automating feeds to Research Data Australia

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@PatrickS_N

Engagement strategy

- Initial contact by email (<200 words)
  - introduction about research impact and collaboration
  - two tools for data storage, collaboration and publication
  - compliance with funders and publishers
  - offer to meet and discuss

- Follow up via email one month later
  - emails were missed, ignored, deleted, archived

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Monash Imaging Data Project Deliverable #1b

1. Develop an engagement strategy and **materials for key researchers**
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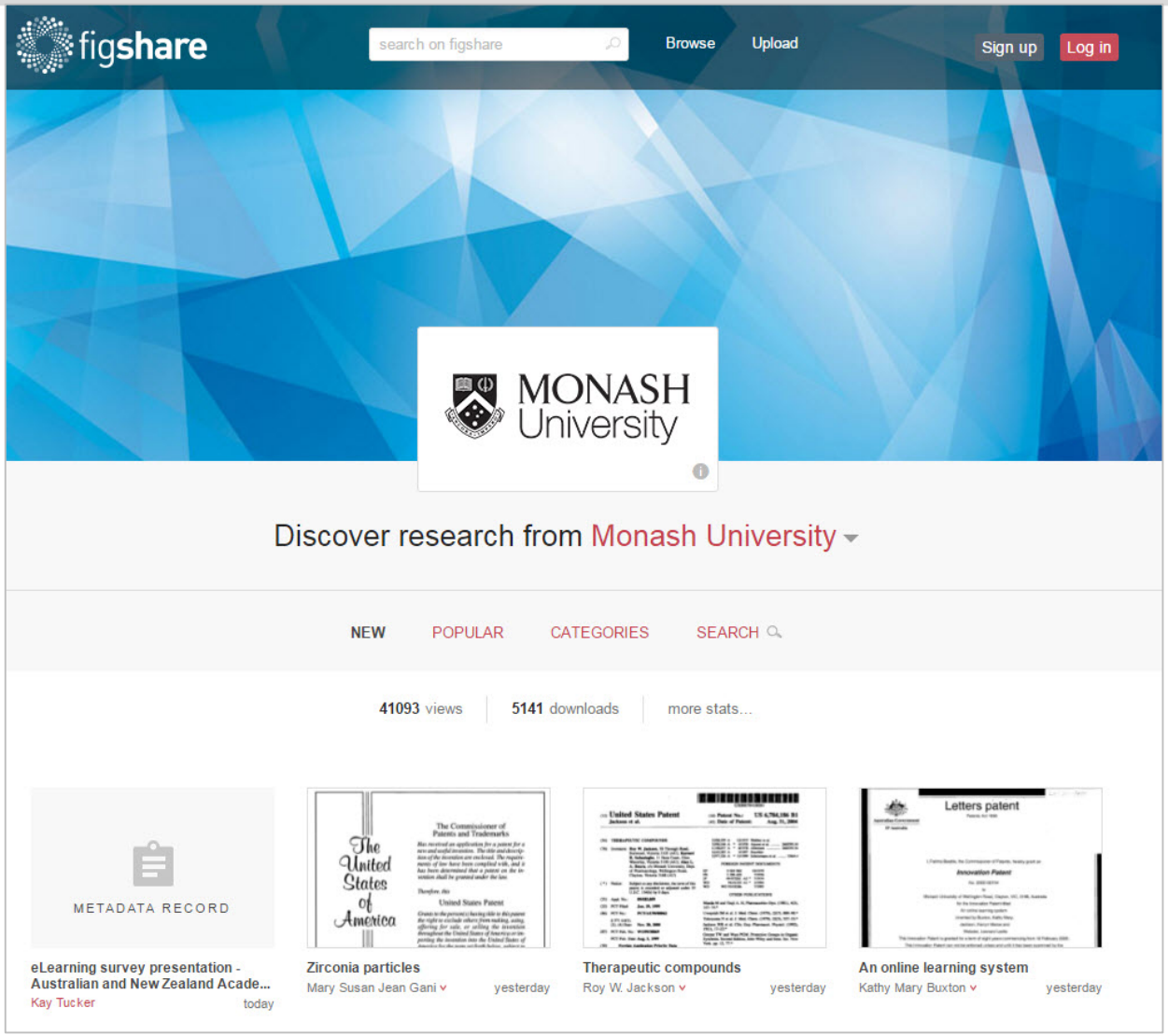
Research tool – monash.figshare

https://monash.figshare.com



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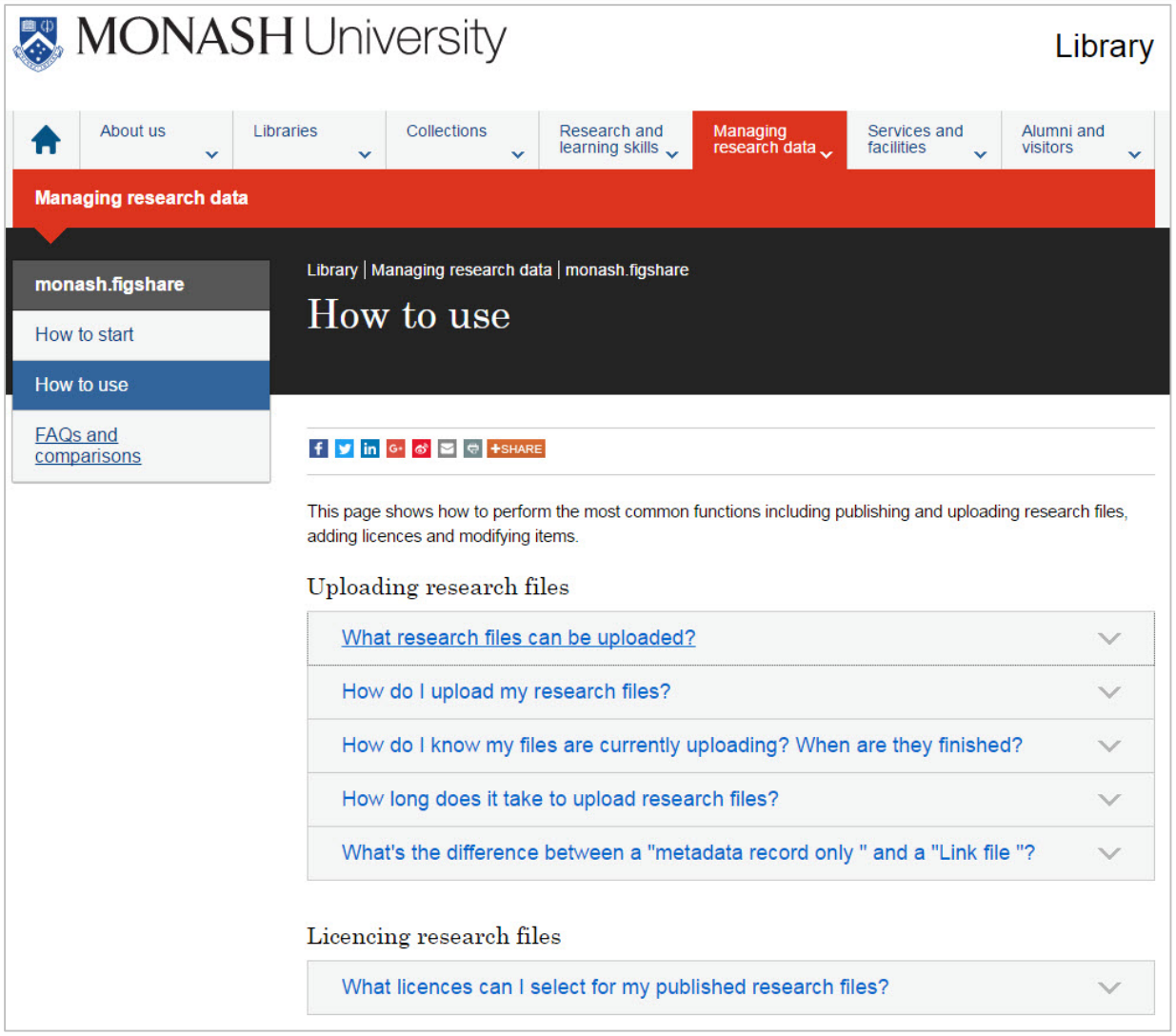
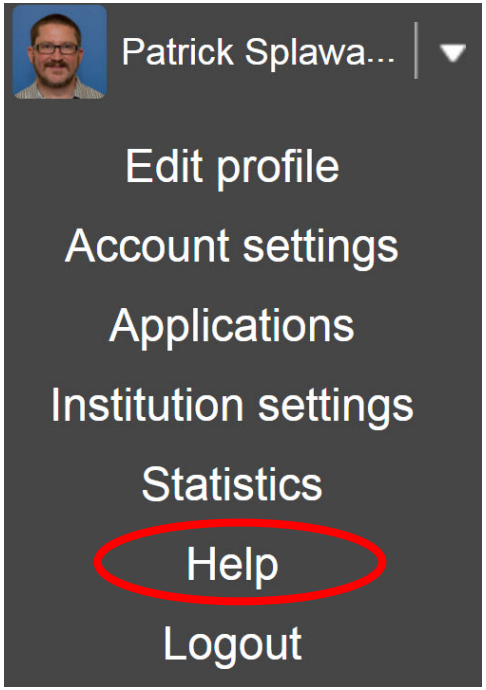
Researcher materials

http://www.monash.edu/library/researchdata/figshare



https://monash.figshare.com



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Monash Imaging Data Project Deliverable #2

1. Develop an engagement strategy and materials for key researchers
2. **Commence researcher engagement**
3. Develop data pipelines to the Imaging Locus via MyTardis / monash.figshare integration
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Researcher engagement

Small
- 1-on-1 (100 researchers)
- 1-on-2 (14 researchers)
- 107 presentations to 114 researchers

Medium
- 3 - 10 researchers per group
- 9 presentations to 63 researchers

130 presentations

522 researchers

All 5 STEM faculties

Large
- ARMI, Brain and Mental Health Laboratory, 5 schools, 6 departments
- 12 - 61 researchers per group
- 14 presentations to 345 researchers

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Researcher engagement

Data publishing is a good idea, and I'd be happy to learn what Monash can offer.

Happy to catch up about this and I am happy to make my data as accessible as possible.

This opportunity looks very exciting.

happy to have a chat with you regarding data archiving / public sharing

That sounds like a great initiative and I'm happy to meet with you to discuss how my research group might use this new service.

I would welcome the opportunity to have a discussion with you.

That's a fantastic initiative.

oh sorry! I thought this was a phishing email ;) I am happy to meet and discuss.

I have lots of data and would be happy to share

Yes I am interested in making data available via Figshare.

I think there are a number of researchers here who would benefit from this discussion.

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Monash Imaging Data Project Deliverable #3

1. Develop an engagement strategy and materials for key researchers
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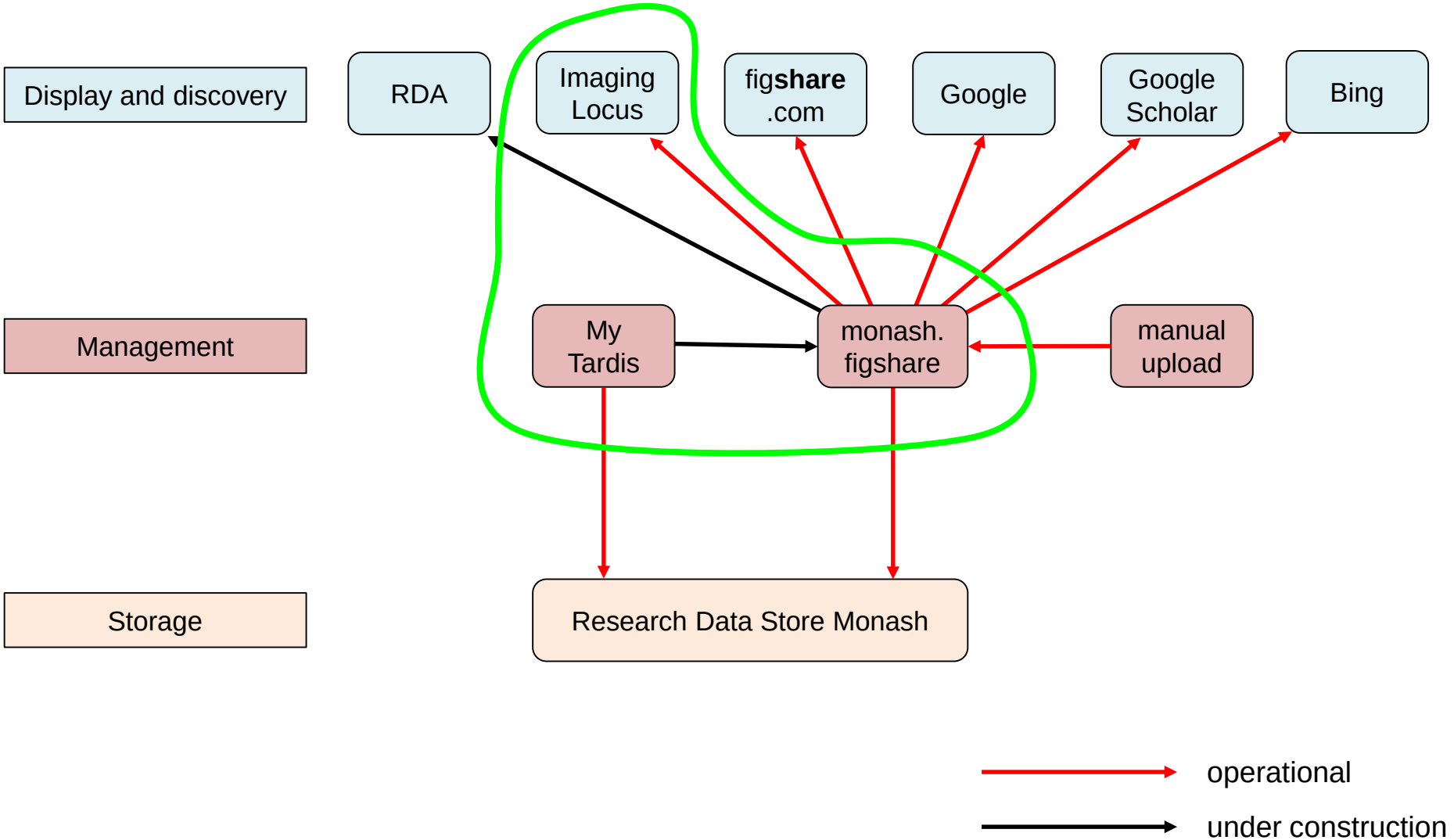
Monash University Research Ecosystem



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MyTardis

https://store.erc.monash.edu.au/

MONASH University

Store.Monash Home About My Data Public Data Stats Help Search Log In

Experiment

Correlative Light and Electron Microscopy for the Investigation of Muscle Disease

2 | 390 | 720.3 MB | 18th June 2015 | Public

Toggle Full Description

In order to investigate the biology of nemaline myopathy, a muscle disease characterised by the formation of nemaline (rod-

Description Metadata Sharing Transfer Datasets

Institution Monash University

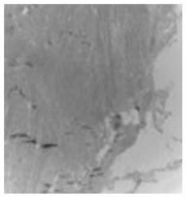
Licensing This experiment data is licensed under Creative Commons Attribution 3.0 Australia (CC BY 3.0).

Download All TAR SFTP

2 Datasets

Download Selected

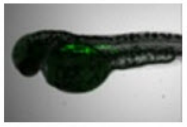
Just start typing to filter datasets based on descriptions



ACTA_Actin

373

596.2 MB



MCB_CLEM

17

124.1 MB

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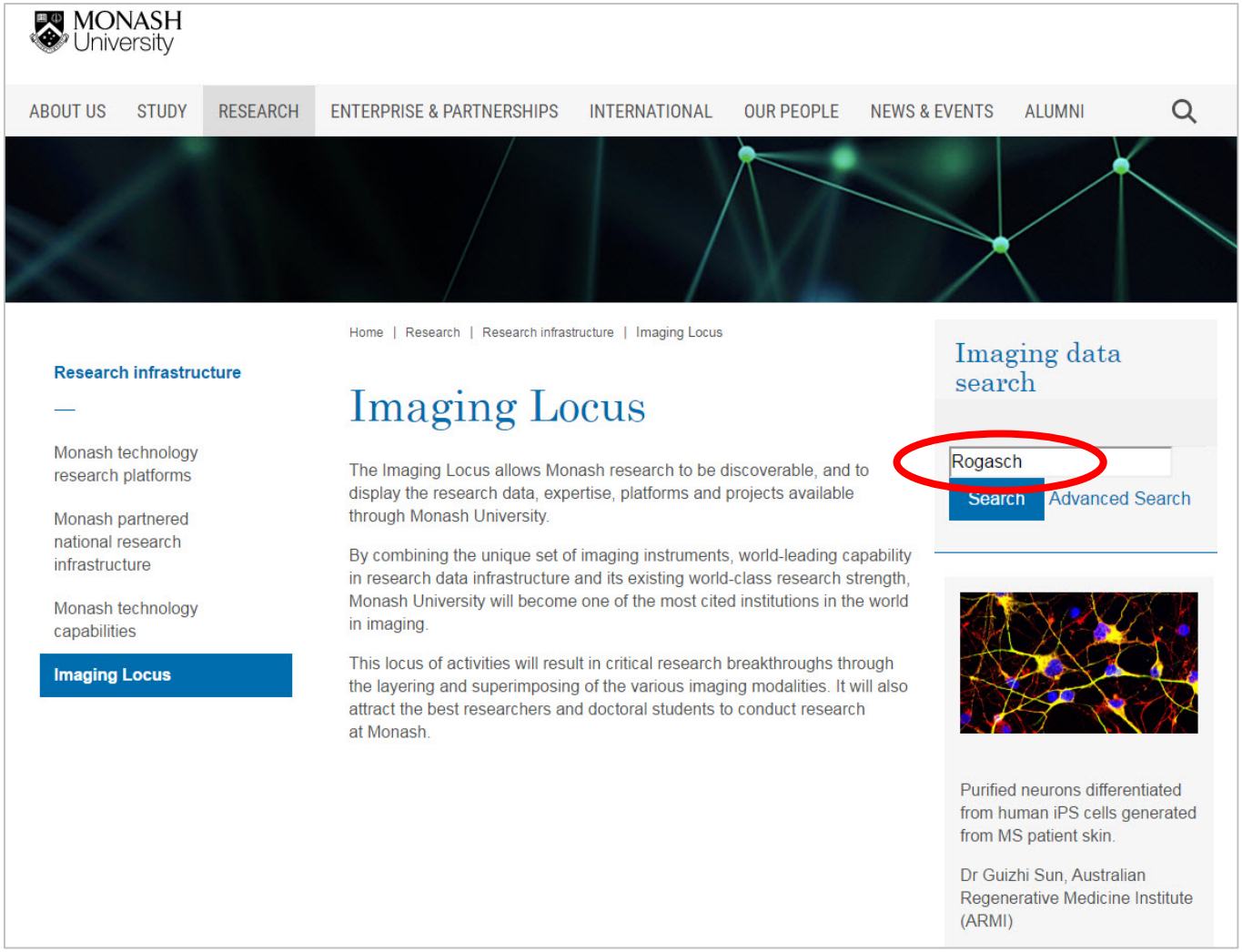
Monash Imaging Locus

http://www.monash.edu/research/infrastructure/imaging-locus



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Monash Imaging Locus

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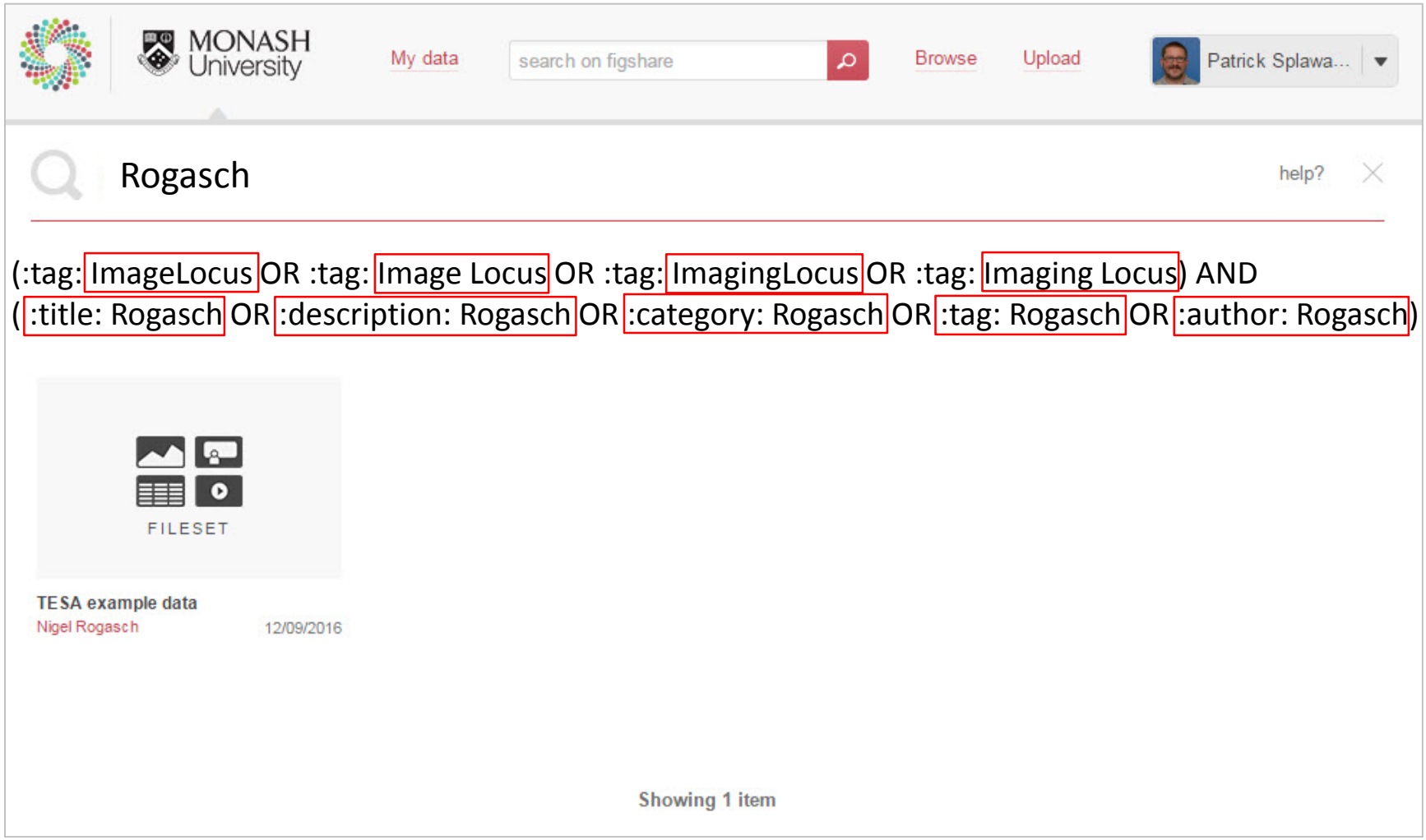

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Monash Imaging Locus

TESA example data

Version 2 12.09.2016, 16:35 (GMT) by Nigel Rogasch

334 views | 21 downloads

2

The TMS-EEG signal analyser (TESA) is an open source extension for EEGLAB that includes functions necessary for cleaning and analysing TMS-EEG data. Both EEGLAB and TESA run in Matlab (r2015b or later). The attached files are example data files which can be used with TESA.

To download TESA, visit here:

http://nigelrogasch.github.io/TESA/

To read the TESA user manual, visit here:

https://www.gitbook.com/book/nigelrogasch/tesa-user-manual/details

File info:

example_data.set

WARNING: file size = 1.1 GB. A raw data set for trialling TESA. Load the data file in to EEGLAB using the existing EEGLAB data set functions. Note that both the .fdt and .set files are required.

example_data_epoch_demean.set

File size = 340 MB. A partially processed data file of smaller size corresponding to step 8 of the analysis pipeline in the TESA user manual. Channel locations were loaded, unused electrodes removed, bad electrodes removed, epoched (-1000 to 1000 ms) and demeaned (baseline correct -1000 to 1000). Load the data file in to EEGLAB using the existing EEGLAB data set functions. Note that both the .fdt and .set files are required.

CATEGORIES

- Neuroscience
- Biological Techniques
- Neurocognitive Patterns and Neural Networks
- Neuroscience and Physiological Psychology

KEYWORD(S)

Transcranial magnetic stimulation
electroencephalography
EEGLAB
TMS-EEG
ImagingLocus

LICENCE

GPL-2.0

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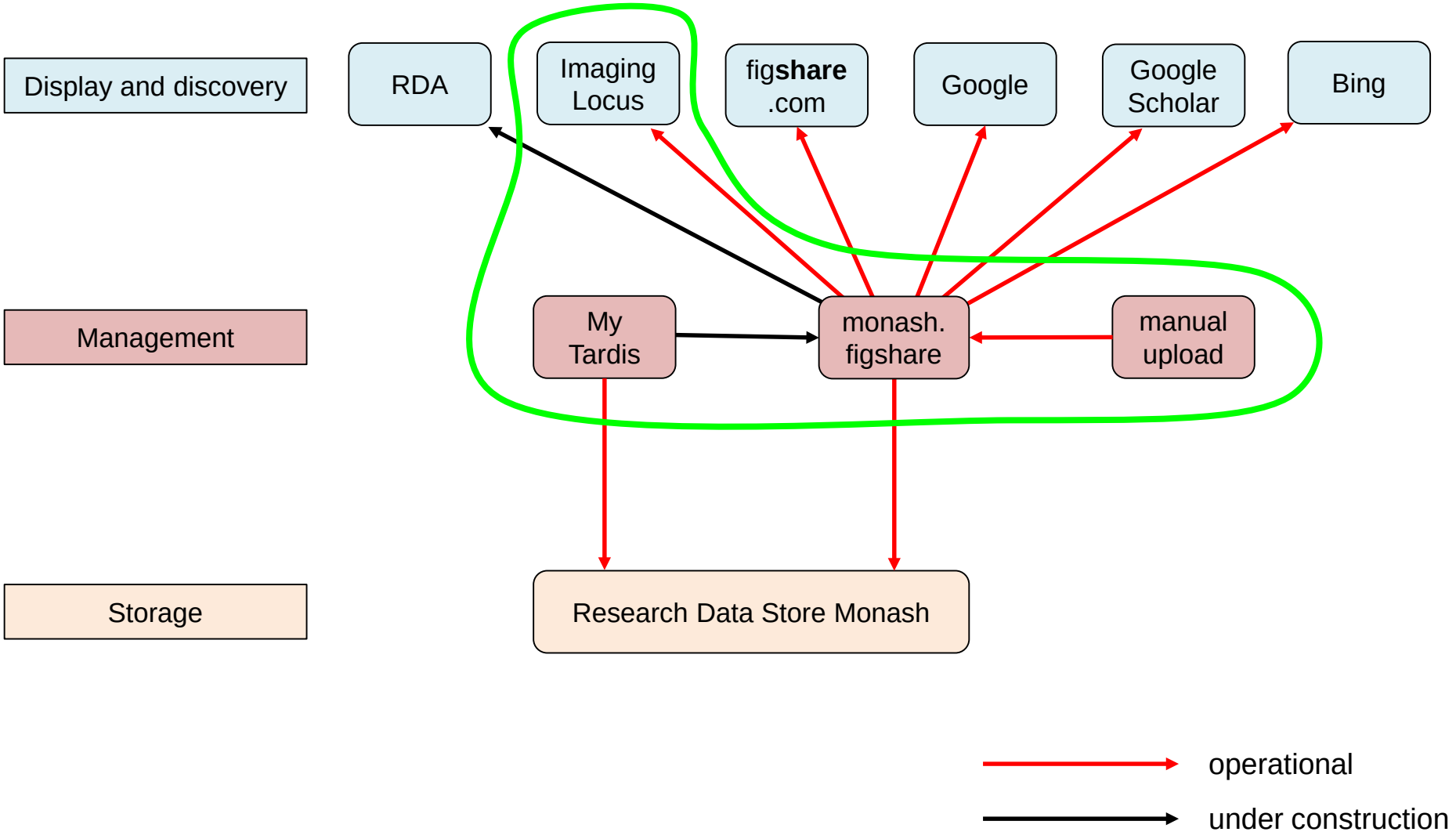

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Monash Imaging Data Project Deliverables #4 + #5

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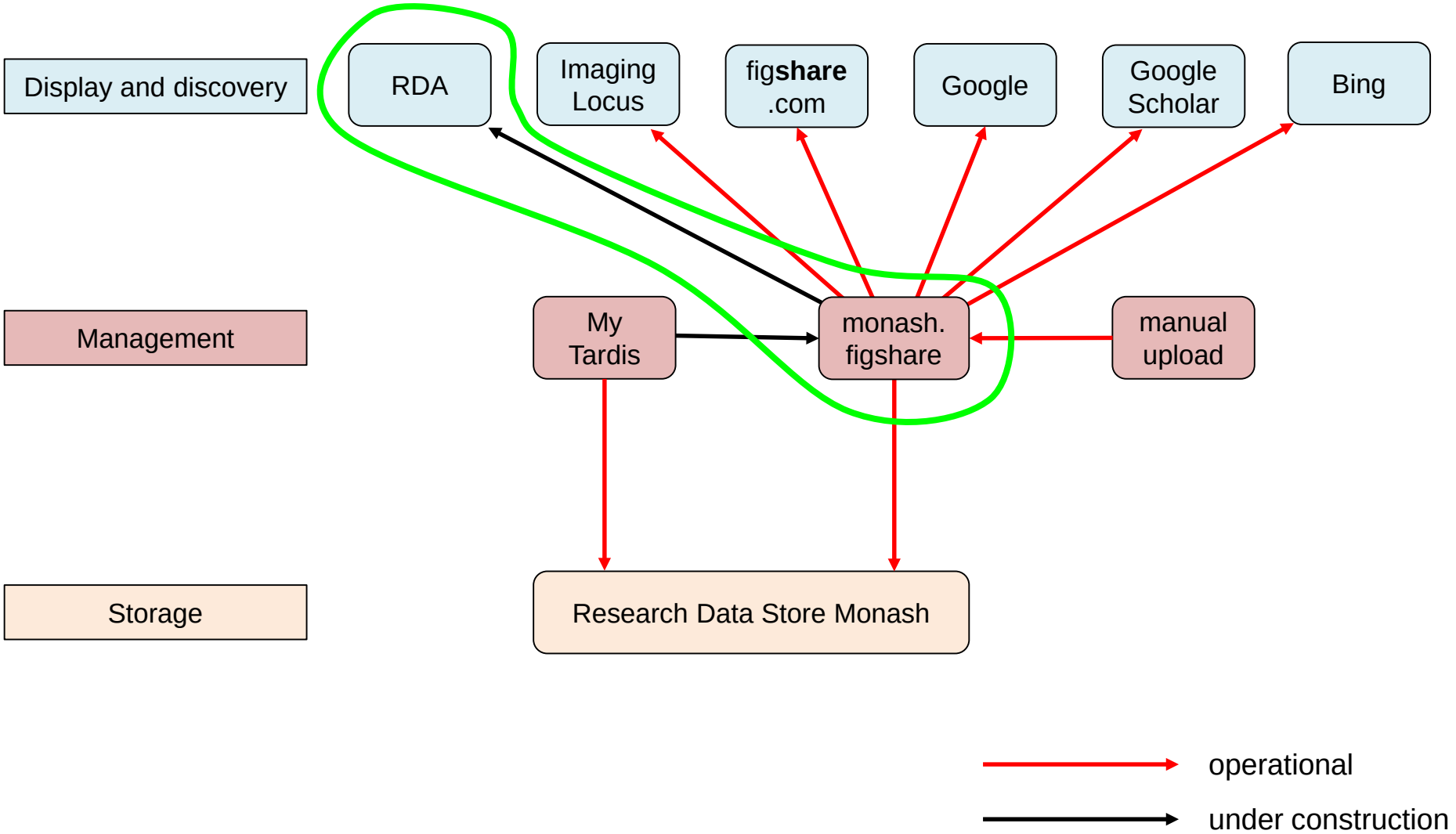

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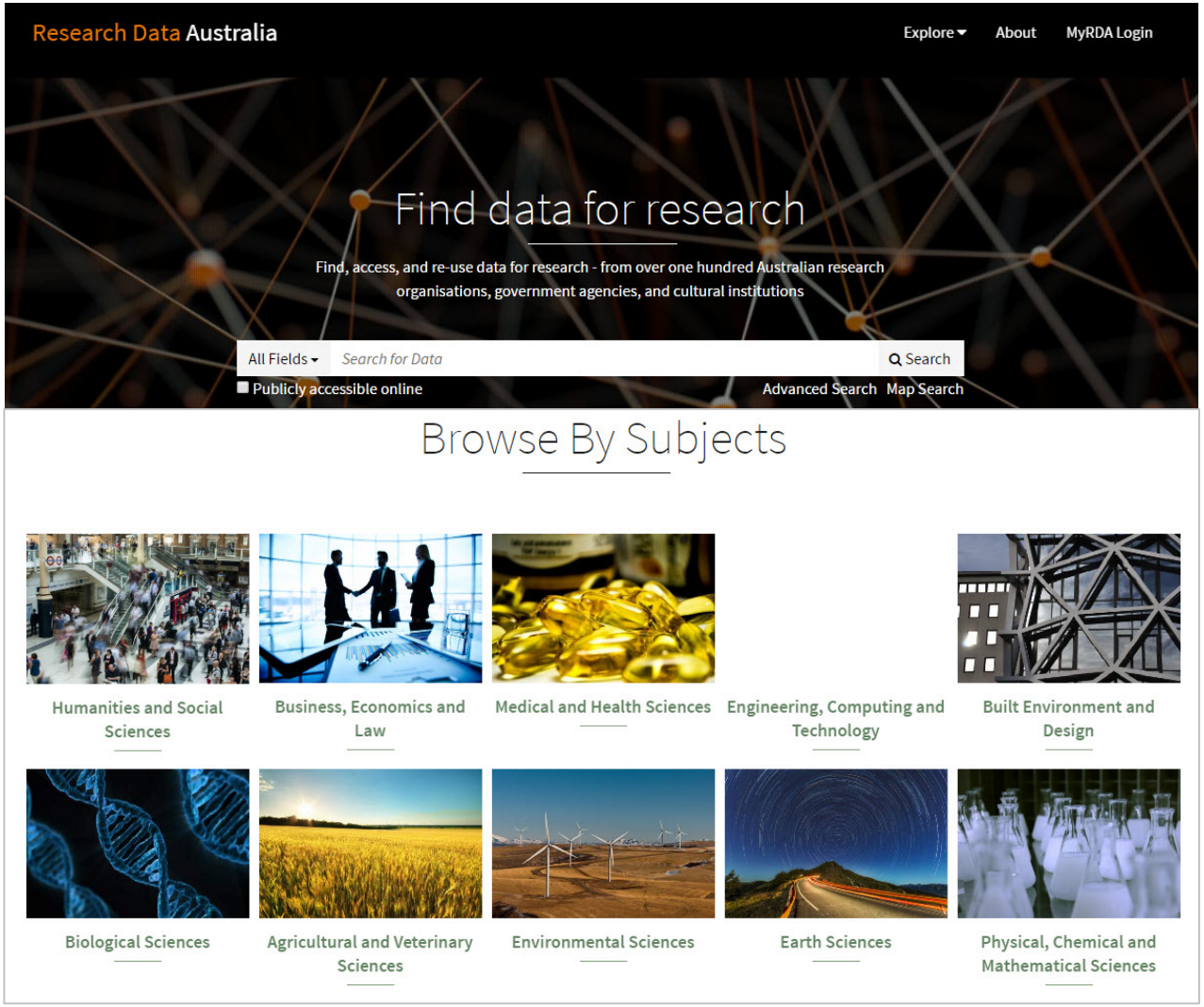
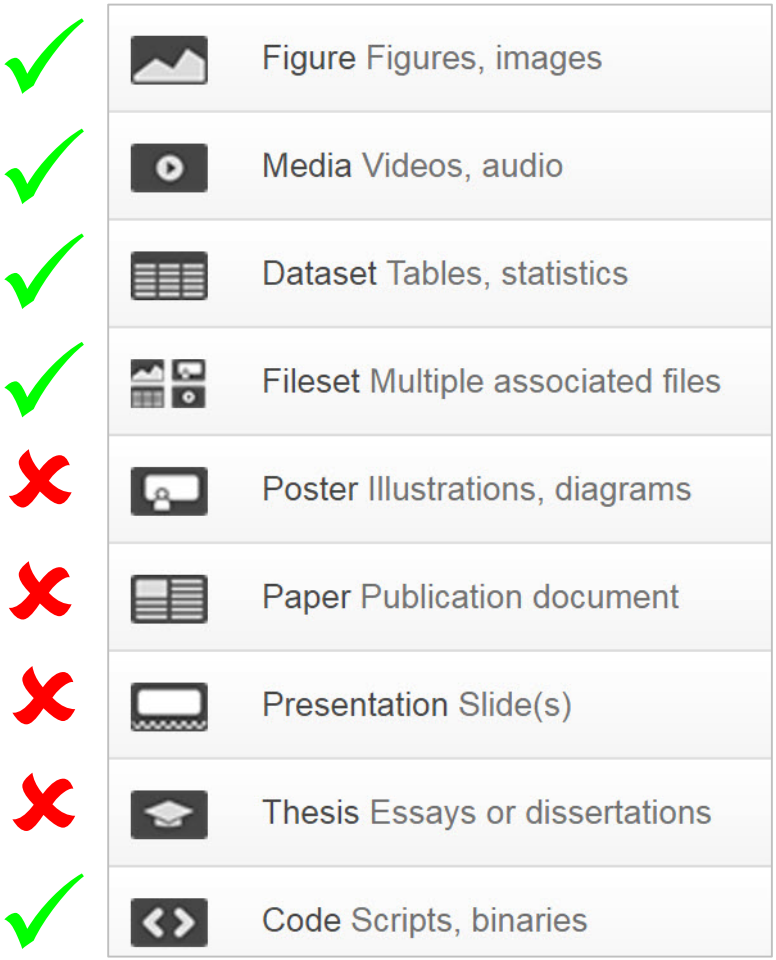
Research Data Australia

https://researchdata.ands.org.au/



monash.figshare to RDA



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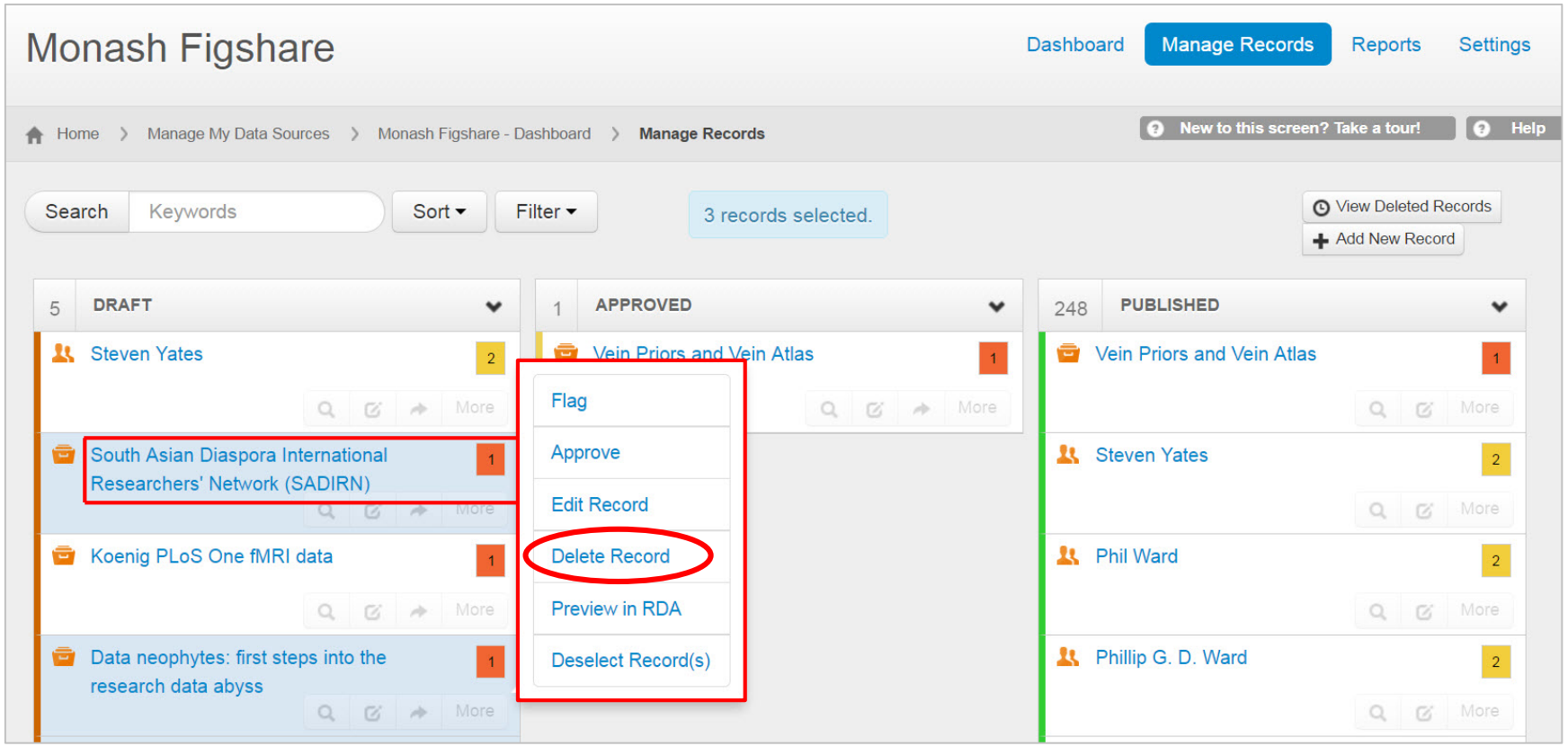
monash.figshare to RDA



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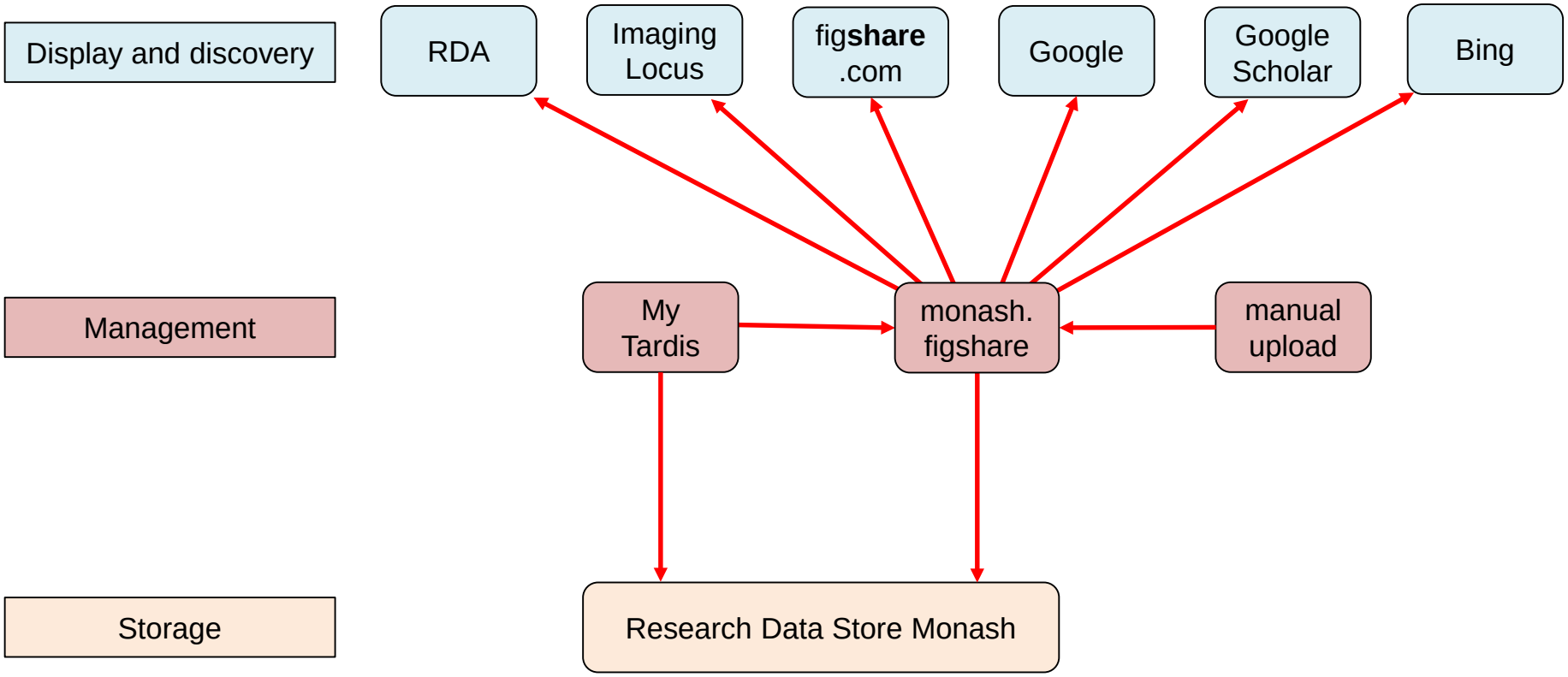

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http://monash.figshare.com

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