

# Monash Imaging Data Project

Patrick Splawa-Neyman  
Data Librarian + Project Manager

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

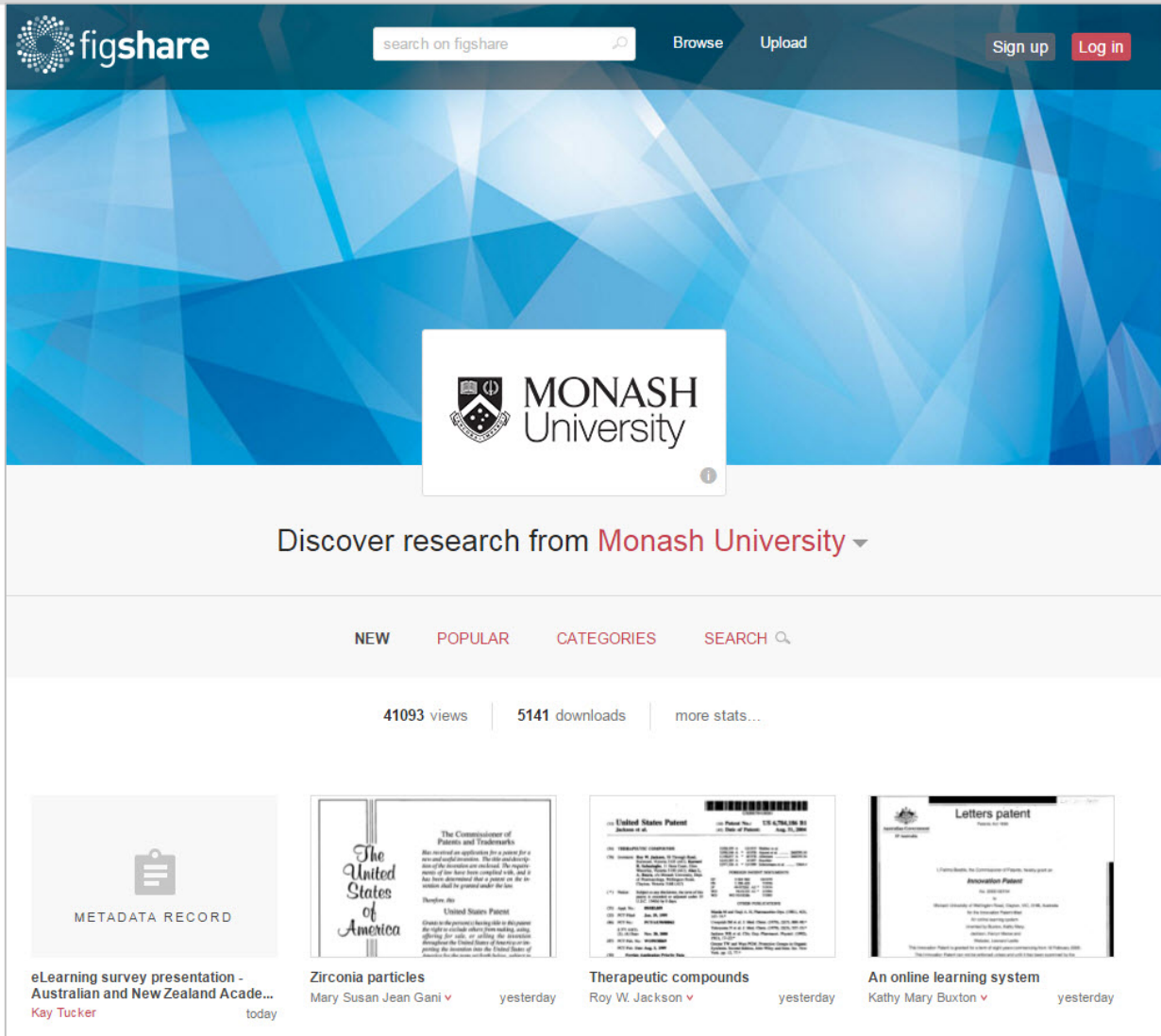
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- Initial contact by email (<200 words)
  - introduction about research impact and collaboration
  - two tools for data storage, collaboration and publication
  - compliance with funders and publishers
  - offer to meet and discuss
- Follow up via email one month later
  - emails were missed, ignored, deleted, archived

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# Research tool – monash.figshare

<https://monash.figshare.com>



The screenshot shows the monash.figshare website. At the top, there is a navigation bar with the figshare logo, a search bar, and links for 'Browse', 'Upload', 'Sign up', and 'Log in'. Below the navigation bar is a large blue banner with a geometric pattern. In the center of the banner is the Monash University logo. Below the banner, the text 'Discover research from Monash University' is displayed. Underneath this, there are four tabs: 'NEW', 'POPULAR', 'CATEGORIES', and 'SEARCH'. Below the tabs, there are statistics: '41093 views', '5141 downloads', and 'more stats...'. At the bottom, there are four featured research items, each with a thumbnail image, a title, and a brief description.

figshare search on figshare Browse Upload Sign up Log in

MONASH University

Discover research from Monash University

NEW POPULAR CATEGORIES SEARCH

41093 views | 5141 downloads | more stats...

**METADATA RECORD**  
eLearning survey presentation - Australian and New Zealand Academics  
Kay Tucker today

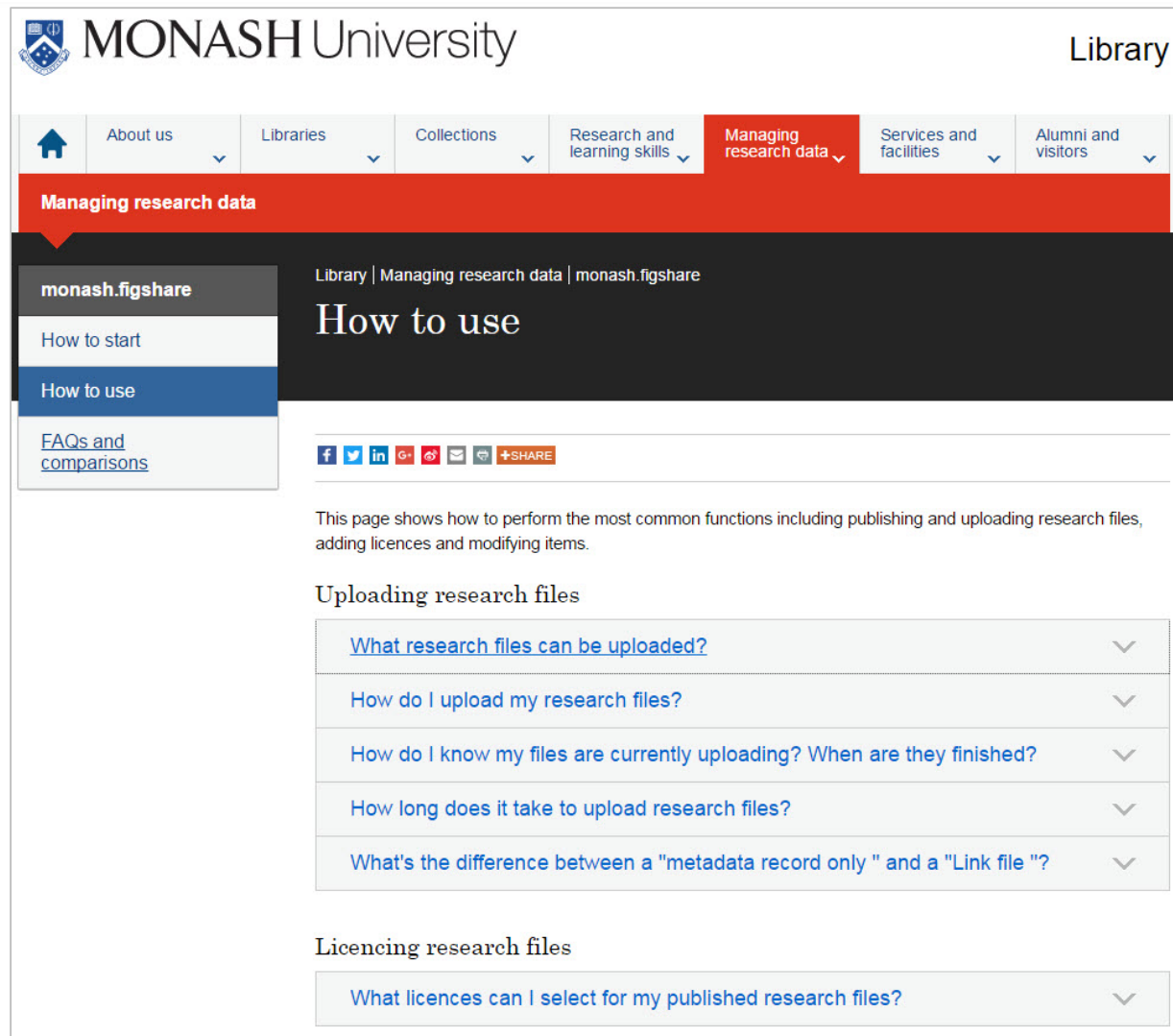
**The United States of America**  
Zirconia particles  
Mary Susan Jean Gani yesterday

**United States Patent**  
Therapeutic compounds  
Roy W. Jackson yesterday

**Letters patent**  
An online learning system  
Kathy Mary Buxton yesterday

# Researcher materials

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



The screenshot shows the Monash University Library website. The top navigation bar includes links for Home, About us, Libraries, Collections, Research and learning skills, Managing research data (highlighted in red), Services and facilities, and Alumni and visitors. Below this, a red banner reads 'Managing research data'. The main content area is titled 'How to use' and includes a sidebar with links for 'monash.figshare', 'How to start', 'How to use' (highlighted), and 'FAQs and comparisons'. The main text explains that the page shows how to perform common functions like publishing and uploading research files. It lists several topics under 'Uploading research files' and 'Licencing research files', each with a dropdown arrow.

MONASH University Library

Managing research data

monash.figshare

How to start

How to use

FAQs and comparisons

Library | Managing research data | monash.figshare

How to use

This page shows how to perform the most common functions including publishing and uploading research files, adding licences and modifying items.

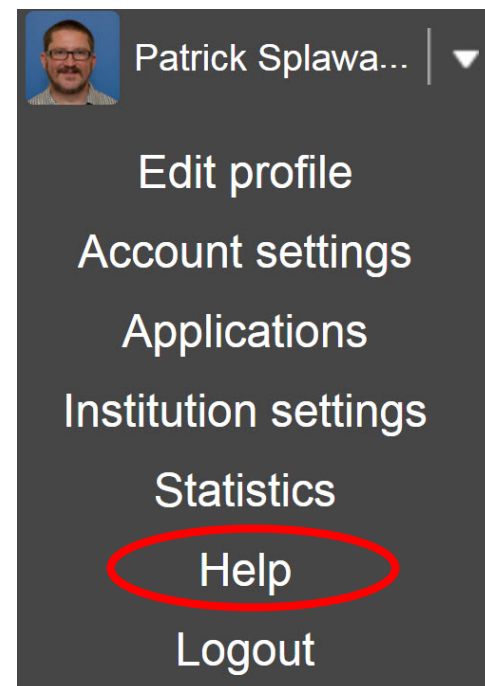
Uploading research files

- What research files can be uploaded?
- How do I upload my research files?
- How do I know my files are currently uploading? When are they finished?
- How long does it take to upload research files?
- What's the difference between a "metadata record only " and a "Link file "?

Licencing research files

- What licences can I select for my published research files?

<https://monash.figshare.com>



The screenshot shows the user profile page for Patrick Splawa on monash.figshare.com. The page includes a user profile picture and name, and a list of navigation links: Edit profile, Account settings, Applications, Institution settings, Statistics, Help (circled in red), and Logout.

Patrick Splawa...

- Edit profile
- Account settings
- Applications
- Institution settings
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- Help
- Logout

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## 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

## Large

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

130 presentations

522 researchers

All 5 STEM faculties

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.

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

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.

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

That's a fantastic initiative.

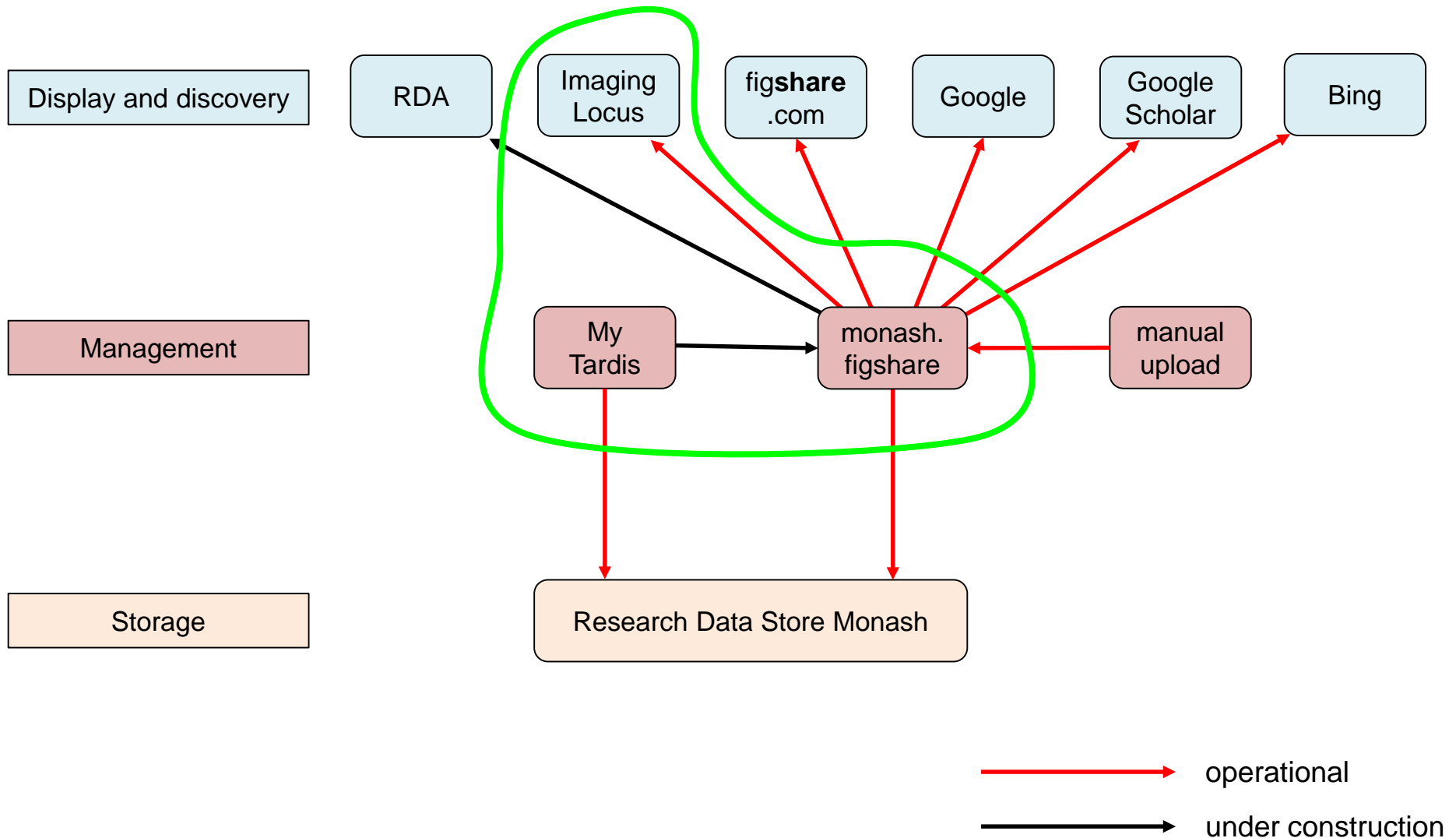
oh sorry! I thought this was a phishing email ;) I am happy to meet and discuss.

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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## 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

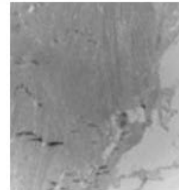
TAR

SFTP

## 2 Datasets

Download Selected

Just start typing to filter datasets based on descriptions

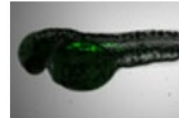


ACTA\_Actin



373

596.2 MB

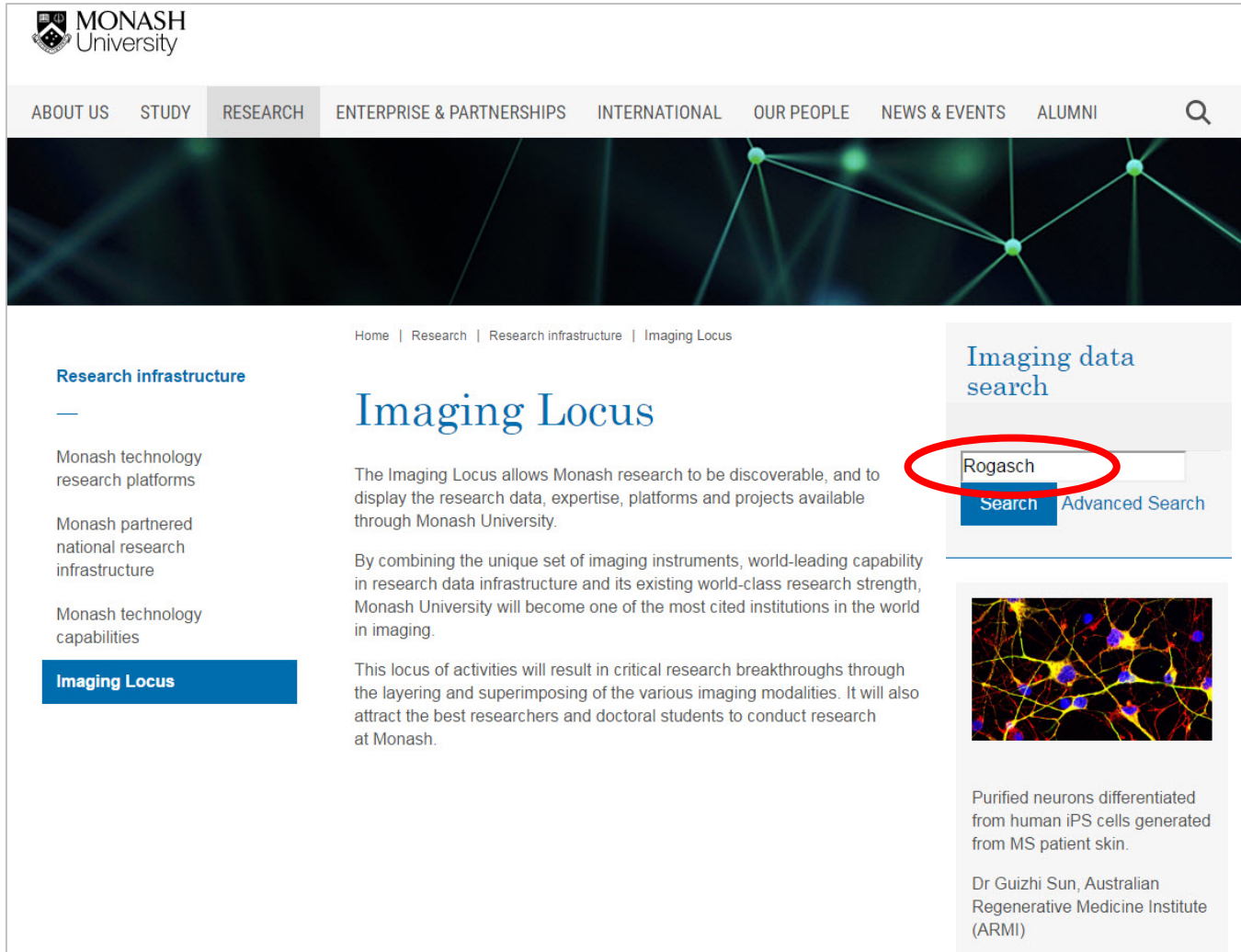


MCB\_CLEM



17

124.1 MB



The screenshot shows the Monash Imaging Locus website. The header includes the Monash University logo and a navigation menu with links: ABOUT US, STUDY, RESEARCH, ENTERPRISE & PARTNERSHIPS, INTERNATIONAL, OUR PEOPLE, NEWS & EVENTS, and ALUMNI. A search icon is also present. Below the header is a large banner image with a network diagram. The main content area is titled "Imaging Locus" and includes a description of the locus and its purpose. On the right side, there is a "Research infrastructure" sidebar with links to "Monash technology research platforms", "Monash partnered national research infrastructure", and "Monash technology capabilities". Below these links is a blue button labeled "Imaging Locus". To the right of the main content, there is a "Research infrastructure" sidebar with a search bar containing the text "Rogasch" and a red circle around it. Below the search bar are buttons for "Search" and "Advanced Search". At the bottom right, there is a section titled "Imaging data search" with a thumbnail image of neurons and a description of the data.

MONASH University

ABOUT US STUDY RESEARCH ENTERPRISE & PARTNERSHIPS INTERNATIONAL OUR PEOPLE NEWS & EVENTS ALUMNI

Home | Research | Research infrastructure | Imaging Locus

## Imaging Locus

The Imaging Locus allows Monash research to be discoverable, and to display the research data, expertise, platforms and projects available through Monash University.

By combining the unique set of imaging instruments, world-leading capability in research data infrastructure and its existing world-class research strength, Monash University will become one of the most cited institutions in the world in imaging.

This locus of activities will result in critical research breakthroughs through the layering and superimposing of the various imaging modalities. It will also attract the best researchers and doctoral students to conduct research at Monash.

**Research infrastructure**

- Monash technology research platforms
- Monash partnered national research infrastructure
- Monash technology capabilities

**Imaging Locus**





**Imaging data search**

Rogasch

Search Advanced Search

Purified neurons differentiated from human iPS cells generated from MS patient skin.

Dr Guizhi Sun, Australian Regenerative Medicine Institute (ARMI)

 **MONASH**  
University  
[My data](#)  [Browse](#) [Upload](#)  Patrick Splawa...  
  
 [help?](#) [×](#)  
  
(:tag: ImageLocus OR :tag: Image Locus OR :tag: ImagingLocus OR :tag: Imaging Locus) AND  
(:title: Rogasch OR :description: Rogasch OR :category: Rogasch OR :tag: Rogasch OR :author: Rogasch)  
  
  
FILESET  
  
TESA example data  
Nigel Rogasch 12/09/2016  
  
Showing 1 item



## TESA example data

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

334  
views

21  
downloads

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*

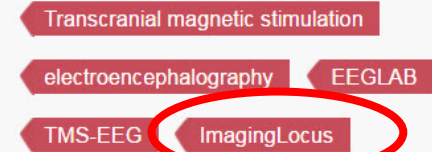
File size = 340 MB. A partially processed data file of smaller size corresponding to step 8 of the analysis pipeline in the TESA user manual. Channel locations were loaded, unused electrodes removed, bad electrodes removed, epoched (-1000 to 1000 ms) and demeaned (baseline correct -1000 to 1000). Load 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

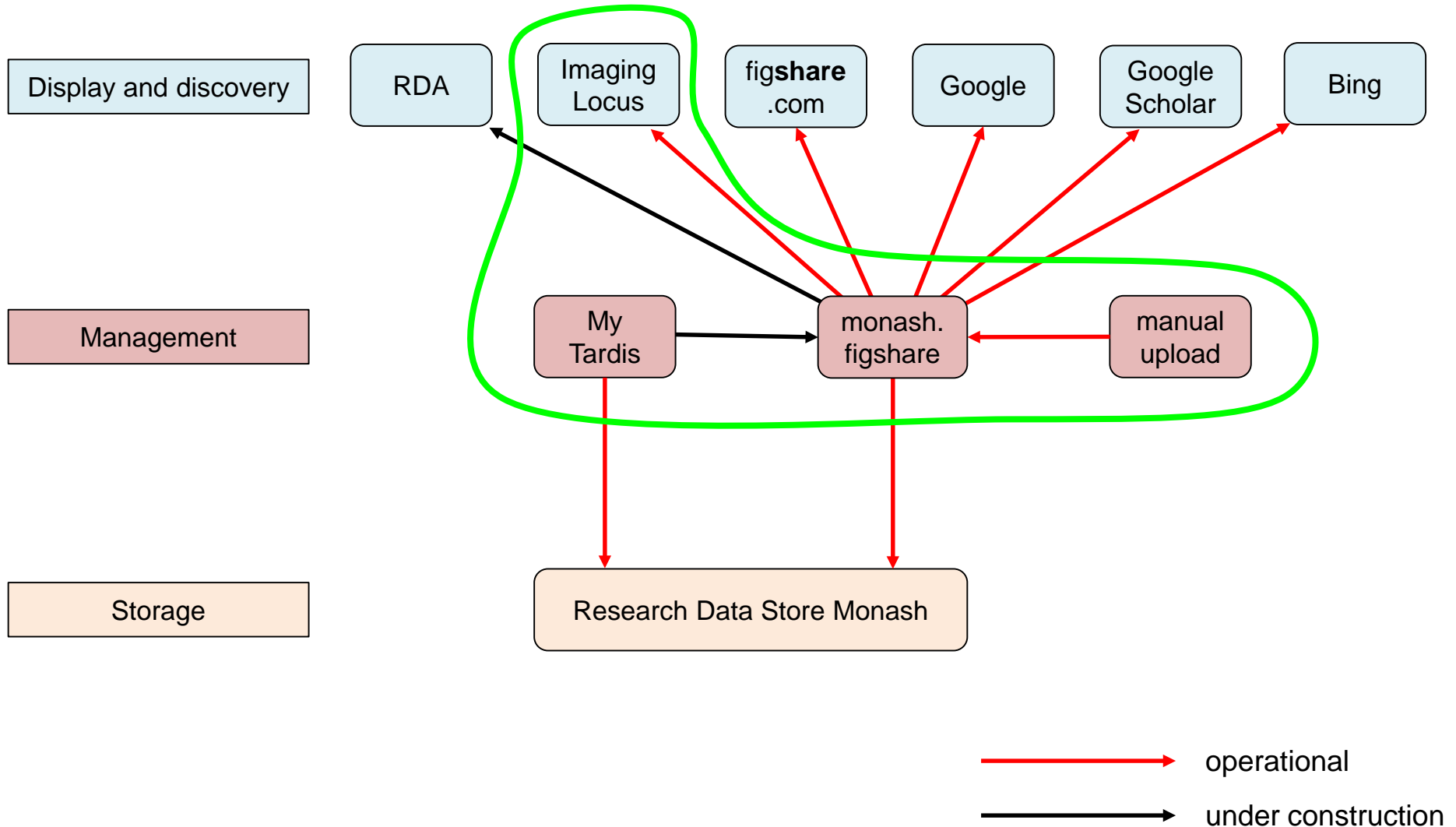
### KEYWORD(S)



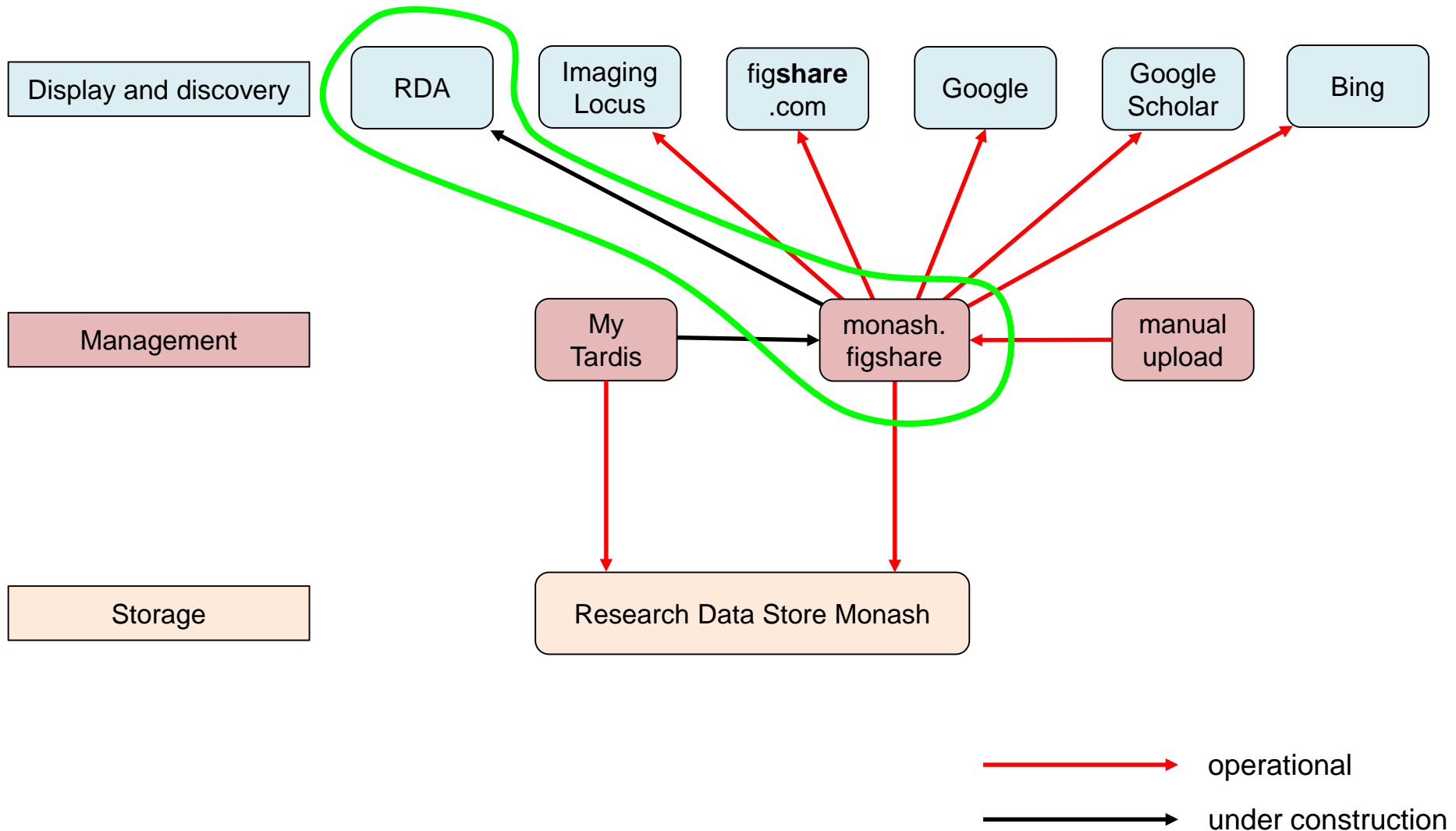
### LICENCE

GPL-2.0





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Research Data Australia

Explore ▾ About MyRDA Login











## Find data for research










Find, access, and re-use data for research - from over one hundred Australian research organisations, government agencies, and cultural institutions

All Fields ▾ Search for Data  Q Search

☐ Publicly accessible online [Advanced Search](#) [Map Search](#)

### Browse By Subjects

 <p>Humanities and Social Sciences</p>	 <p>Business, Economics and Law</p>	 <p>Medical and Health Sciences</p>	 <p>Engineering, Computing and Technology</p>	 <p>Built Environment and Design</p>
 <p>Biological Sciences</p>	 <p>Agricultural and Veterinary Sciences</p>	 <p>Environmental Sciences</p>	 <p>Earth Sciences</p>	 <p>Physical, Chemical and Mathematical Sciences</p>

✓	 Figure Figures, images
✓	 Media Videos, audio
✓	 Dataset Tables, statistics
✓	 Fileset Multiple associated files
✗	 Poster Illustrations, diagrams
✗	 Paper Publication document
✗	 Presentation Slide(s)
✗	 Thesis Essays or dissertations
✓	 Code Scripts, binaries

Monash Figshare

Dashboard Manage Records Reports Settings

Home > Manage My Data Sources > Monash Figshare - Dashboard > Manage Records

New to this screen? Take a tour! Help

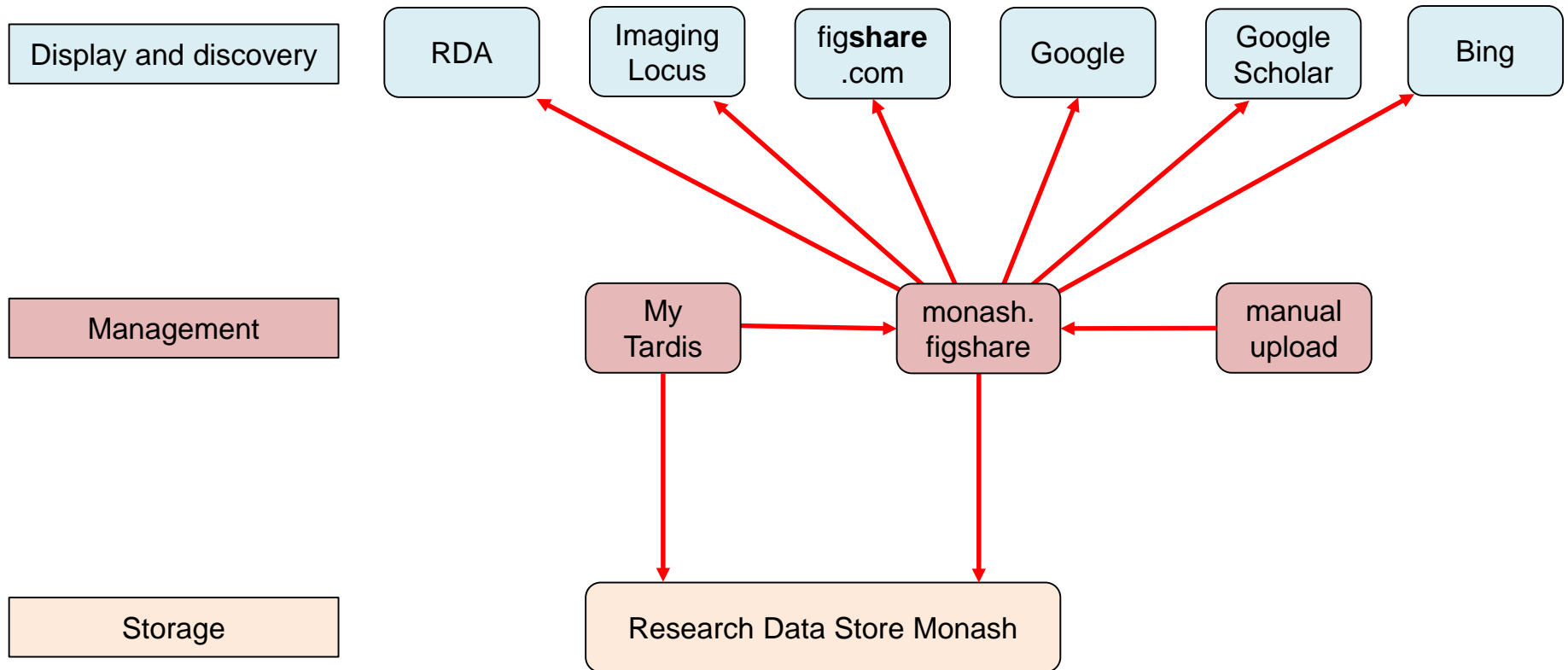
Search Keywords Sort Filter 3 records selected.

View Deleted Records Add New Record

5 DRAFT	1 APPROVED	248 PUBLISHED
<div>Steven Yates 2</div> <div>South Asian Diaspora International Researchers' Network (SADIRN) 1</div> <div>Koenig PLoS One fMRI data 1</div> <div>Data neophytes: first steps into the research data abyss 1</div>	<div>Vein Priors and Vein Atlas 1</div>	<div>Vein Priors and Vein Atlas 1</div> <div>Steven Yates 2</div> <div>Phil Ward 2</div> <div>Phillip G. D. Ward 2</div>

More actions for 'South Asian Diaspora International Researchers' Network (SADIRN)':

- Flag
- Approve
- Edit Record
- Delete Record
- Preview in RDA
- Deselect Record(s)





MONASH  
University

MONASH  
LIBRARY

<http://monash.figshare.com>

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@PatrickS\_N