

Research Data Manager

UQRDM

WHAT DO RESEARCHERS WANT?



Research
Data
Manager

Designed at The University of Queensland



NO DOUBLE ENTRY OF METADATA

REWARD FOR DOING RDM (STORAGE)

COLLABORATION WITHIN UQ

COLLABORATION OUTSIDE OF UQ

COLLABORATION WITH COMMERCIAL PARTNERS

NO LOSS OF STUDENT DATA

HELP WITH MANAGING DATA RESPONSIBILITIES

SYSTEMS TO HANDLE HARD DATA

LONG TERM ARCHIVAL OF DATA

EASY CONTROL OF ACCESS



Research
Data
Manager

Designed at The University of Queensland



GRANTS

REVIEWING GRANTS

PAPERS

REVIEWING PAPERS

STUDENTS

CONFERENCE PRESENTATIONS

ORGANISING CONFERENCES

TEACHING

DOING RESEARCH



“NO BLACK HOLES” APPROACH

NO RE-ENTRY OF DATA FROM SYSTEMS

[LINK TO ETHICS, GRANTS, ...](#)

RESEARCHERS IN CONTROL OF DATA

NO NEED TO PURCHASE/BACKUP STORAGE
[TARGET: 2MIN FORM, 5MIN TO STORAGE MOUNTED](#)

NO NEED TO LODGE SUPPORT TICKETS
[SELF SERVICE ACCESS CONTROL](#)

EASY TO COLLABORATE
[“RIGHT CLICK” TO SHARE](#)

SERIES OF PROJECTS



Research
Data
Manager

Designed at The University of Queensland

IDMP-I: METADATA HARVESTING

IDMP-II: SHARED STORAGE ALLOCATION

IDMP-III: MIGRATING DATA TO MANAGED COLLECTIONS

IDMP-IV: CLOSING THE LOOP



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

Create change

DELIVERABLE # 1

Automated, fit-for-purpose storage



Research
Data
Manager

Designed at The University of Queensland

iDMP-I: Metadata harvesting

+

iDMP-II: Shared storage allocation



Competitive edge



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

Create change

DELIVERABLE # 2

Collaboration made easy



Research
Data
Manager

Designed at The University of Queensland

LONG-TERM OBJECTIVES

Transform students into **game-changing graduates** who make **outstanding contributions** and address complex issues with a global perspective

Develop a **diverse community** of knowledge seekers and leaders who embody a One UQ culture and use **collaborative partnerships** to connect and co-create

Deliver **globally significant solutions** to challenges by generating **new knowledge** and **partnered innovation**

Easier within UQ: works on any platforms



Easier in Australia



AUSTRALIAN ACCESS FEDERATION

Easier with the international research community



REANVZ
TUAKIRI

Easier with industry partners



AUSTRALIA

LinkedIn

te change

DELIVERABLE #3

Data Management Plan at any time



Research
Data
Manager

Designed at The University of Queensland

Living document:

Updating when needed



DELIVERABLE # 4

Minimal efforts for doing the right thing



Research
Data
Manager

Designed at The University of Queensland

Back-up

Data @ UQ

Compliance



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

Create change



DEMONSTRATION



Research
Data
Manager

Designed at The University of Queensland



Dashboard

ah Heath@uq.edu.au

My records

Create new record

My collaborators

About

Library guide

Help me

help@its.uq.edu.au

Logout

 Research
Data
Manager

Mr Andrew Heath



My records

Project title	Status
UQ eSpace	Active

My collaborators

Contact name
Mr Michael Feeney 

Dashboard

aheath@uq.edu.au

My records

Create new record

My collaborators

About

Library guide

Help me

help@its.uq.edu.au

Logout

 Research
Data
Manager

Create record

Getting started

☐ By using this service, my team and I agree to abide by the [Australian Code for the Responsible Conduct of Research](#), and the following UQ policies - [4.20.06 Research Data Management](#) and [4.20.02 Responsible Conduct of Research](#). ?

Please select the options which apply to your project so that you only fill out what's needed:

☐ This project involves human subjects

☐ This project has current, pending or future funders/grants ?

☐ This project involves animal data

☐ This project uses pre-existing research data (data used but not created by the project) ?

UQ human ethics reference numbers ?

Example: 2016000366. Enter multiple numbers separated by a comma

UQ animal ethics reference numbers ?

Example: SVS/085/09. Enter multiple numbers separated by a comma

Dashboard

aheath@uq.edu.au

My records

Create new record

My collaborators

About

Library guide

Help me

help@its.uq.edu.au

Logout



Project information

Project name

The full name of your project

Short code

Choose a combination of 6-10 letters/numbers to easily recognize your project e.g. PHDRD2017

Note: This field cannot be changed once the record is saved or submitted.

Field of research codes

Select...

UQ Organisational Unit (school, institute, centre) that leads the project

Select...

Project start date

2018-10-29

Project end date

2019-10-29

☐ Higher degree by research (HDR) project☐ There is an existing legal requirement (e.g. ethics, industry contracts, consent forms) that the data is to be stored in a particular place.☐ The Research Data Manager system meets these particular requirements.

Dashboard

ah Heath@uq.edu.au

My records

Create new record

My collaborators

About

Library guide

Help me

help@its.uq.edu.au

Logout

 Research
Data
Manager

Collaborators

Record owner

Mr Andrew Heath

UQ lead

Mr Andrew Heath

Start typing to search staff members...

Pending collaborators

Sharing data outside of UQ requires a legal agreement. Contact your [Research Partnerships Manager](#) for further information.

Sharing data outside may require an export controls permit, or may be prohibited by Australia's sanctions laws. For more information, please refer to the help section.

**ADD
COLLABORATOR**

Collaborator name

Collaborator email address

Name

Email address

Mary-Anne Marrington

m.marrington@library.uq.edu.au

×

Data storage

In order to store your projects data correctly, we need to know some details of the data and what you'd like to do with it (note: the two options cannot be modified once the project is active).

☐ The project will store identifiable human data ?

☐ The project data needs to be mounted on UQ [HPC](#) facilities. ?

Note there is currently a strict file/inode limit on this storage. Exceeding this limit will lock you out of your files. For more information, please read the [HPC section](#) of the Library Guide.

SAVE

REQUEST DATA STORAGE

Dashboard

aheath@uq.edu.au

My records

Create new record

My collaborators

About

Library guide

Help me

help@its.uq.edu.au

Logout

 Research
Data
Manager

My records

[CREATE A NEW RECORD](#)

Record status

All



Filter by name

	Record name	Short code	Status	Last edited	
 	UQ eSpace	UQESPACE	Active	2018-10-29	

Dashboard

aheath@uq.edu.au

My records

Create new record

My collaborators

About

Library guide

Help me

help@its.uq.edu.au

Logout

Research
Data
Manager

Policies



Our team will follow the following:

- ☐ [Animal Care and Protection Act \(2001\).](#)
- ☐ [Nature Conservation Act \(1992\).](#)
- ☐ [Queensland Biotechnology Code of Ethics.](#)
- ☐ [2.40.01 Biosafety](#)

Other policies / guidelines that you and your team will follow (if applicable):

Data storage and file formats

Indicate (select from list, or enter other/s) all type/s of data you will produce at the end of your project.

Select...



- ☐ Our team will have data that is not stored within the RDM system.



Indicate (select from list, or enter other/s) all other storage places that apply.

Dashboard

aheath@uq.edu.au

My records

Create new record

My collaborators

About

Library guide

Help me

help@its.uq.edu.au

Logout

☐ Our team will have data that is not stored within the RDM system. ?

Indicate (select from list, or enter other/s) all other storage places that apply.

Select... ▼

File formats and version control

Our team will store data in the following file formats for long-term retention and sharing purposes. Select from list, or enter other/s.

Select... ▼ ?

Describe any version control measures and/or file naming conventions that will be used. Select from list, or enter other/s.

Select... ▼ ?

Data safeguards

☒ Our team's data will have confidential information ?☒ Our team's data will have culturally sensitive information ?☒ Our team's data will have sensitive ecological information ?

Indicate (select from list, or enter other/s) safeguards and measures you will put in place to prevent unauthorised disclosure and protect sensitivities.

Select... ▼ ?

Data dictionary

Dashboard

aheath@uq.edu.au

My records

Create new record

My collaborators

About

Library guide

Help me

help@its.uq.edu.au

Logout



Data dictionary



Our team will be uploading a data dictionary, codebook, metadata or other documentation alongside the data to reduce misinterpretation of the data.



Please provide any information regarding your data documentation.

Intellectual property, retention, and sharing

Who owns any potential intellectual property (IP) generated from this data? (Select from list)



List details of IP owner/s.

After the completion of the project, how long do you intend to retain your data for?



Will you deposit your data (or just a description) in a repository after the project has been completed?



Indicate (select from list, or enter other/s) the repository/s you will deposit your data into.

TIMELINE

EARLY JANUARY: SOFT LAUNCH OF UQRDM



16 JANUARY: ROLL-OUT TO FIRST SCHOOL



JAN -> Nov 2018 : ALL OF UQ

FACILITATED ROLLOUT

To date:
Roll-out in 40 units

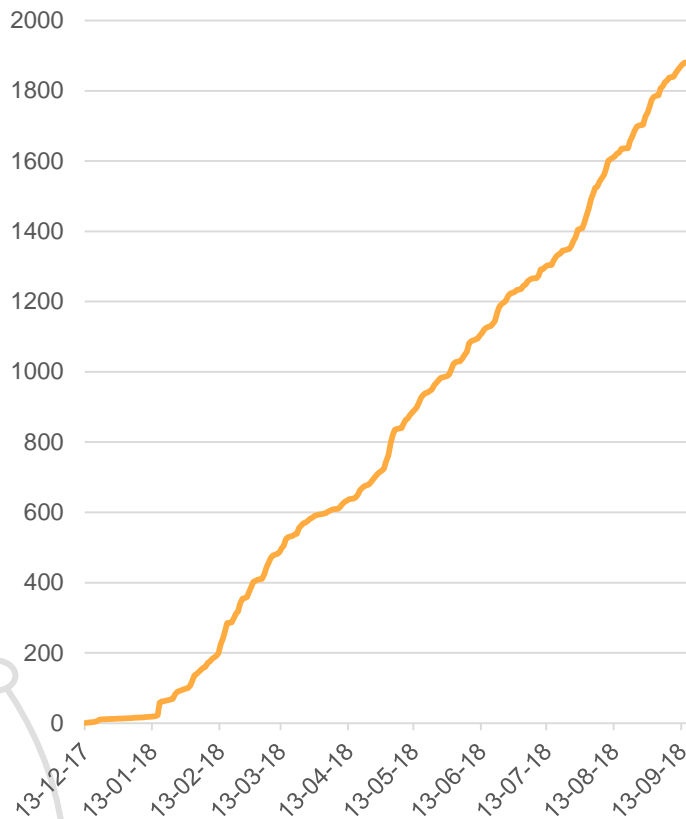
All research units have
been contacted.
Meeting with
Executive/s completed
for more than 50 Units

Very positive **feedback**
(via survey)

RECORDS

>2000 active records
(storage provisioned)

A SWIFT UPTAKE



Research
Data
Manager

Designed at The University of Queensland

USERS

>2500 unique active users

WHO ARE THE USERS?

(unique, active and pending)

~ 2,500 Staff members
> 630 students
> 650 external collaborators
(other units, industry partners)

FEEDBACK



Research
Data
Manager

Designed at The University of Queensland

Easy to use, useful for collaborative projects with external partners and students

UQRDM will make our *lives easier*, with little pain required

Good to see *change* in how UQ manages data.

Support was excellent – able to transfer all my PhD files to RDM. Feel that it will be *invaluable* when working from home or other UQ campuses.

People seem *keen to use UQRDM*, despite there usually being some resistance to changes like this



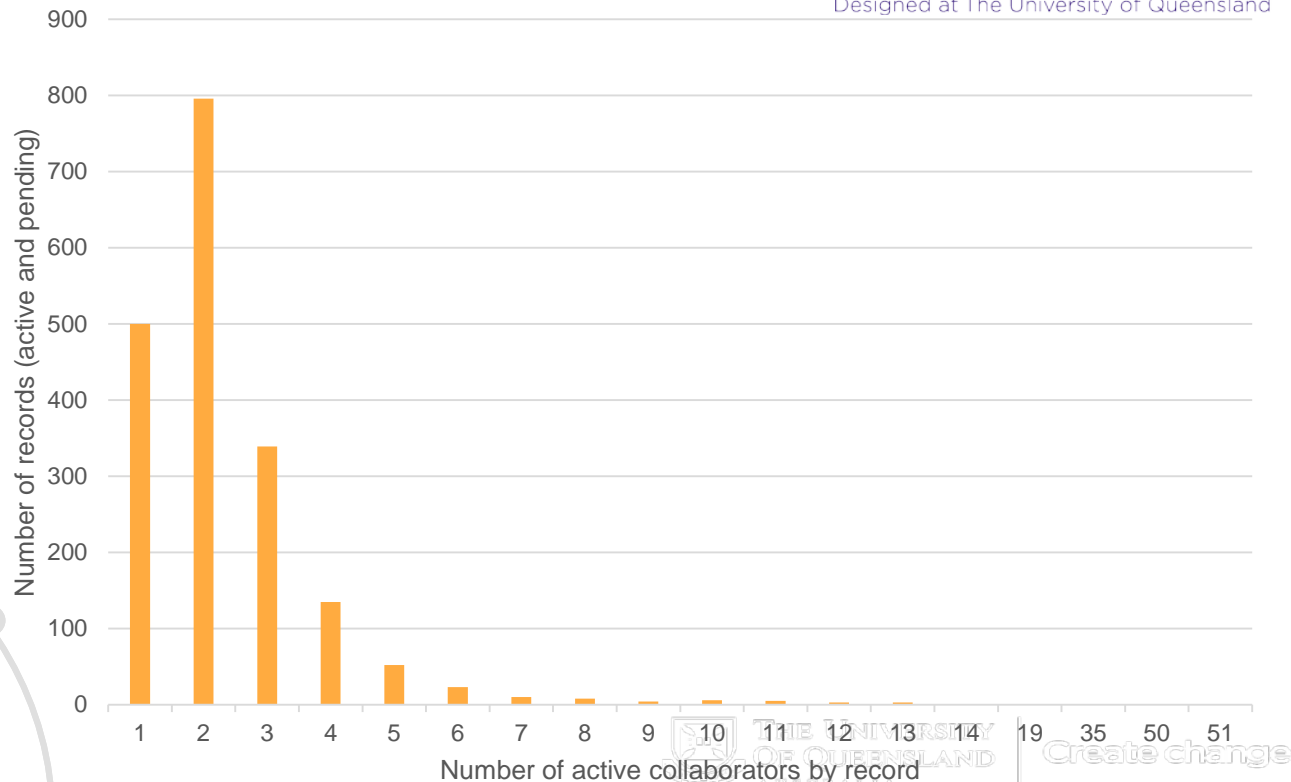
INITIATING A CULTURE CHANGE



Research
Data
Manager

Designed at The University of Queensland

Project NOT People driven



LINKING

ORCID

Connecting Research
and Researchers

Dr Andrew Janke

andrew.janke@uq.edu.au

 <http://orcid.org/0000-0003-0547-5171>

Dr Rebecca Deuble

r.deuble@uq.edu.au

 <http://orcid.org/0000-0002-1224-8930>



Research
Data
Manager

Designed at The University of Queensland



Research Data Manager

UQRDM working docs

Persistent ID: <https://hdl.handle.net/102.100.100/70491> 

STORAGE INSTRUCTIONS ?

PROVENANCE ↺



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

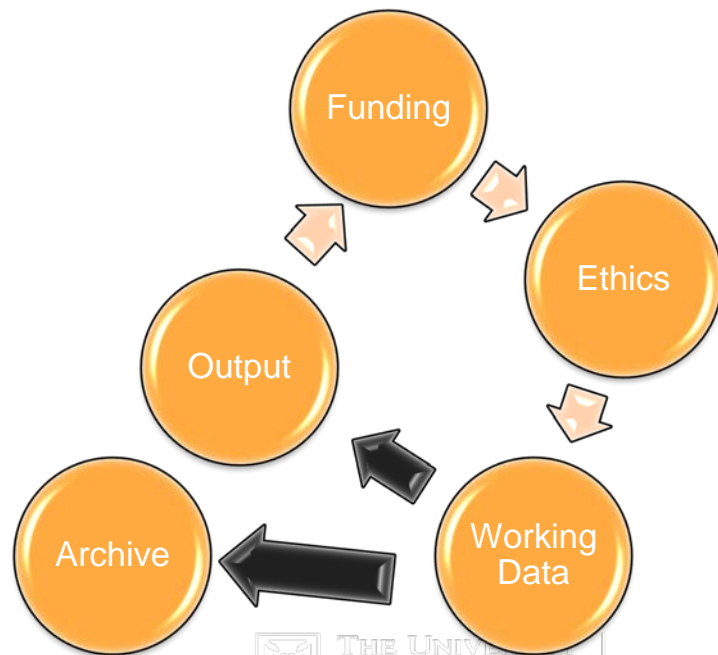
Create change

LINKING

IDMP-III MIGRATING DATA TO MANAGED COLLECTIONS

OUTPUT: **DATASETS** (ESPACE)

ARCHIVE (FOR COMPLIANCE)



LONG-TERM OBJECTIVES

Transform students into **game-changing graduates** who make **outstanding contributions** and address complex issues with a global perspective

Develop a **diverse community** of knowledge seekers and leaders who embody a One UQ culture and use **collaborative partnerships** to connect and co-create

Deliver **globally significant solutions** to challenges by generating **new knowledge** and **partnered innovation**

UQRDM FUTURE FEATURES



Research
Data
Manager

Designed at The University of Queensland

ARCHIVING AND PUBLISHING WORKFLOWS DATASETS AND ARCHIVE

Research Data Manager

Wed 29th August 2018

Persistent ID: <https://hdl.handle.net/10378.1/1595143>

STORAGE INSTRUCTIONS ?

PROVENANCE ↺

CREATE DATASET +

DRNs

DIGITAL RESEARCH NOTEBOOKS

Updates at <https://research.uq.edu.au/rmbt>



Wed 29th August 2018

Persistent ID: <https://hdl.handle.net/10378.1/1595143> RA ID

STORAGE INSTRUCTIONS ?

PROVENANCE ↺

CREATE DATASET +

Getting started

Dataset information

You are about to create a dataset from the active collection (WED29AUG18-A0116). A dataset is a subset of research data underpinning a publication. You can choose to publish the dataset (open access) or make it only available to the UQRDM Record Owner and UQ Lead (mediated access). The dataset will have an associated Research Data record in the institutional repository (UQ eSpace) and a DOI. You may wish to apply an embargo to this dataset and the Research Data record, if you don't yet want to make them public in UQ eSpace/[Research Data Australia](#). They will then become public once the embargo period you set has lapsed.

If you select mediated access, the associated Research Data record will be made public in eSpace, but the dataset will not be released publicly.

Before you proceed, please review the [Dataset Deposit Checklist](#). If you have further questions, contact your data librarian for advice via data@library.uq.edu.au.

1 Folder

To create a dataset from your project's research data, simply select the folder that contains all the research data you wish to include in the dataset. Below is a list of folders that are part of your project storage. If you need to add a new folder to your collection, please create it (via the R drive or UQRDM cloud) and then click the refresh button to make it appear in the list below.

REFRESH ↻

hello dolly

only the lonely

when the big men fly

A0116

NEXT

2 Details

3 Agreement

Research
Data
Manager

Designed at The University of Queensland

Dataset name *

A descriptive name for the dataset

Dataset description *

Describe the dataset's topic(s) and theme(s)

Type of data

Type in a data type and press 'enter' to add it



Access conditions *

Open Access



Licensing and terms of access *



Select from open or mediated access. If the dataset is mediated access, only the record owner and UQ lead will be able to access it.

View [UQ Terms and Conditions](#) and [Creative Commons Licenses](#)

Do you wish to apply an embargo to this dataset? Note that if you apply an embargo, the Research Data record and dataset will not become public until the embargo period you set has lapsed.

Project name *

Wed 29th August 2018

Name of the project that initiated the dataset

Project description *

this is a test only to check if that works

Briefly describe the project, including the purpose

Linked publications

Start typing to search...



Please enter any linked publications that are already in eSpace

Optional information

Detail any additional information relating to this dataset



I agree to the following:

1. I am the creator or co-creator of this dataset, or otherwise authorized to deposit it or describe it;
2. I have permission to include any third-party content contained in the dataset;
3. The dataset is original;
4. The dataset does not infringe the legal rights of any third-party;
5. I acknowledge that in depositing the dataset, I grant to UQeSpace a perpetual non-exclusive license to reproduce it and make it available in any format or language;
6. The dataset's creator(s) moral rights to be associated with the dataset will be respected by UQeSpace.



Research Data Manager

Designed at The University of Queensland



Research Data Manager

Designed at The University of Queensland

Briefly describe the project, including the purpose

Linked publications

fitts law

UQ:362682 - Using Fitts Law' to detect intentional misrepresentation

UQ:682698 - Maximal and sub-maximal movement times for a reciprocal tapping task, and associated Fitts' law data.

3 Agreement

Additional metadata from your UQRDM Project Record will be sent to eSpace, along with the information you just filled in. [Click here](#) to review what it includes. If you wish to edit this information, please update your UQRDM project record accordingly.

Before you submit, please be aware that if you have not specified an embargo period, this dataset and information about this dataset (Research Data record) will be publicly available in UQ eSpace/[Research Data Australia](#). If you have questions or to request help or advice, please contact your data librarian at data@library.uq.edu.au.

PREVIOUS

SUBMIT DATASET

Success!

This dataset will now be created. While this is happening please don't modify the contents of the folder when the big men fly. You will receive an email once the dataset creation process is complete. For enquiries, please contact data@library.uq.edu.au.

Regards, UQRDM/eSpace

[BACK TO YOUR RECORD](#)



Research Data Manager

Designed at The University of Queensland

Datasets

CREATE +

Title	eSpace metadata status	File metadata status
test Directory name:	Not started	Not started
test Directory name: when the big men fly	Not started	Not started
test 2 Directory name: hello dolly	Not started	Not started
Wednesday 10th October Directory name: hello dolly	Not started	Not started
test Directory name: when the big men fly	Not started	Not started

Home

My dashboard

h.chanson@uq.edu.au

My research

Claim possible publications

Add a missing publication

My research data

Add a missing dataset

Author statistics

Search eSpace

Help


Contact

My research data

Displaying records 1 to 2 of 2 total records.
Add to this list by [adding a missing dataset](#).

Sort results by	Sort order	Records per page	Export results
Published date ▼	Desc ▼	20 ▼	Please select ▼


Rumble Sound Generated by a Tidal Bore Event in the Baie du Mont Saint Michel

Chanson, Hubert(2014). *Rumble Sound Generated by a Tidal Bore Event in the Baie du Mont Saint Michel*. The University of Queensland. Data Collection. <https://doi.org/10.14264/uql.2016.584> 



[REQUEST CORRECTION](#)

Unsteady calibration of a large V-notch weir

Chanson, Hubert(2012). *Unsteady calibration of a large V-notch weir*. The University of Queensland. Data Collection. <https://doi.org/10.14264/uql.2016.585> 



[REQUEST CORRECTION](#)

Refine results

Keywords ▼

Subject ▼

Collection ▼

Author ▼

Published year range ▼

Open access status ▼

WHAT'S NEXT?

CONTINUE AND CONSOLIDATE

Continue actively facilitated rollout to the rest of UQ

Development work

Complete DataSets and Archives: reproducibility, reputation and compliance

Integrate Digital Research Notebooks

Continue supporting international collaborations via eduGAIN

Possible Open Source availability



Research
Data
Manager

Designed at The University of Queensland



THE UQRDM IS HERE TO STAY



Designed at The University of Queensland

Business as usual

Graduate School

Office of Ethics

Office of Research Integrity

Research Computing Centre

Policy review



CHALLENGES



CHALLENGES



Research
Data
Manager

Designed at The University of Queensland

Extra sensitive data – More convincing to do and not just at UQ

Towards reproducibility and FAIR: more education, how to best package files for re-use?

Keeping the flame alive! (system cannot be static)



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

Create change

LESSONS LEARNT

Federating
energies!

*Mix of people.
Academics, Admin,
Library, recently
graduated PhD
student, Technical
staff, champions.....*



Research
Data
Manager

Designed at The University of Queensland

RDM Team

Andrew Janke, Technical Lead, NIF Informatics Fellow, CAI
Jan Wisgerhof, Applications Development Specialist, UQ Library
Rebecca Deuble, Project Officer, UQ Library
Leslie Elliott, Infrastructure Support Specialist, ITS
Sandrine Kingston-Ducrot, RDM Project Manager
Helen Morgan, Manager, Office of DVC-R

Collaborators

David Abramson, Director, Research Computing Centre, **Michael Mallon**, QRIScloud Systems Administrator, **Adrian Lee**, Research Computing Centre, **Hoylen Sue**, **Stephen Crawley**, **Nigel Ward** and **Stephen Bird**, QCIF, **David Stockdale**, Deputy Director, ITS -- (Growing number of people), **Eric Hornsby**, Associate Director, Library Technology Services, UQ Library, **Fei Yu**, **Susan Wilson** and **Sarah Brown**, UQ Library, ...

Advisors

Nicholas Hawkins, Professor, Innovative Technology in Medical Education, School of Medicine, **Sue O'Brien**, Research Integrity Manager, OPVC(R&I)
Amberyn Thomas, Associate Director, Scholarly Communication and Repository Services, UQ Library,



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

Create change

More information



Designed at The University of Queensland

Libguide: <https://guides.library.uq.edu.au/for-researchers/uq-research-data-manager>

Contact: data@library.uq.edu.au



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

Create change