Research Data Manager
UQRDM
WHAT DO RESEARCHERS WANT?

- 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
"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

iDMP-I: Metadata harvesting

iDMP-II: Shared storage allocation

iDMP-III: Migrating data to managed collections

iDMP-IV: Closing the loop
**DELIVERABLE # 1**
Automated, fit-for-purpose storage

*iDMP-I: Metadata harvesting*

+ 

*iDMP-II: Shared storage allocation*

Competitive edge
Deliverable # 2
Collaboration made easy

Easier within UQ: works on any platforms

Easier in Australia

Easier with the international research community

Easier with industry partners
DELIVERABLE #3
Data Management Plan at any time

Living document:

Updating when needed
Deliverable # 4
Minimal efforts for doing the right thing

Back-up

Data @ UQ

Compliance
DEMONSTRATION
<table>
<thead>
<tr>
<th>Project title</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>UQ eSpace</td>
<td>Active</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contact name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr Michael Feeney</td>
</tr>
</tbody>
</table>
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](https://www.uq.edu.au/quality/maintaining-integrity/research-code) and the following UQ policies - [4.20.06 Research Data Management](https://www.uq.edu.au/quality/researchdata) and [4.20.02 Responsible Conduct of Research](https://www.uq.edu.au/quality/maintaining-integrity/research-code).

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: 6V0/065/09. Enter multiple numbers separated by a comma.
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.
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.

Collaborator name | Collaborator 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.
<table>
<thead>
<tr>
<th>Record name</th>
<th>Short code</th>
<th>Status</th>
<th>Last edited</th>
</tr>
</thead>
<tbody>
<tr>
<td>UQ eSpace</td>
<td>UQESPACE</td>
<td>Active</td>
<td>2018-10-29</td>
</tr>
</tbody>
</table>
Policies

Our team will follow the following:

- [ ] Queensland Biotechnology Code of Ethics.
- [ ] 240.01 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.
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
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
**A SWIFT UPTAKE**

**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)

**USERS**

>2500 unique active users

**WHO ARE THE USERS?**

(unique, active and pending)

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

Project NOT People driven

Number of records (active and pending)

Number of active collaborators by record
LINKING

ORCID
Connecting Research and Researchers

<table>
<thead>
<tr>
<th>Dr Andrew Janke</th>
<th><a href="mailto:andrew.janke@uq.edu.au">andrew.janke@uq.edu.au</a></th>
<th><a href="http://orcid.org/0000-0003-0542-5171">http://orcid.org/0000-0003-0542-5171</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Rebecca Deuble</td>
<td><a href="mailto:r.deuble@uq.edu.au">r.deuble@uq.edu.au</a></td>
<td><a href="http://orcid.org/0000-0002-1224-8930">http://orcid.org/0000-0002-1224-8930</a></td>
</tr>
</tbody>
</table>

Research Data Manager

UQRDM working docs
Persistent ID: https://hdl.handle.net/102.110.100/70494
**IDMP-III MIGRATING DATA TO MANAGED COLLECTIONS**

**OUTPUT:** DATASETS (ESPACE)

**ARCHIVE** (FOR COMPLIANCE)
UQRDM FUTURE FEATURES

ARCHIVING AND PUBLISHING WORKFLOWS

DATASETS AND ARCHIVE

DRNs

DIGITAL RESEARCH NOTEBOOKS

Updates at https://research.uq.edu.au/rmbt
Dataset information

You are about to create a dataset from the active collection (WED29AUG18-A0110). 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 UQDM 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.

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 P drive or UQDM cloud) and then click the refresh button to make it appear in the list below.

- hello dolly
- only the lonely
- when the big men fly
- A0110
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
Select from open or mediated access. If the dataset is mediated access, the only record owner and UQ staff will be able to access it.

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.
Briefly describe the project, including the purpose

Linked publications

fits 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.

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. If you have questions or to request help or advice, please contact your data librarian at data@library.uq.edu.au
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
My research data

Displaying records 1 to 2 of 2 total records. Add to this list by adding a missing dataset.

Sort results by
- Published date

Sort order
- Desc

Records per page
- 20

Export results
- Please select

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

REQUEST CORRECTION

Unsteady calibration of a large V-notch weir

REQUEST CORRECTION
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
THE UQRDM IS HERE TO STAY

Business as usual
Graduate School
Office of Ethics
Office of Research Integrity
Research Computing Centre

Policy review
CHALLENGES
CHALLENGES

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)
LESSONS LEARNT

Federating energies!

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

RDM Team
Andrew Janke, Technical Lead, NIF Informatics Fellow, CAI
Jan Wiserhof, 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, Havlen Sue, Stephen Crawley, Nigel Ward and Stephen Bird, QCF, 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, OPYC(R&I)
Amberyn Thomas, Associate Director, Scholarly Communication and Repository Services, UQ Library, ...
More information

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

Contact: data@library.uq.edu.au