




Publishing your research data

Publishing Power Hour 4

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Curtin University Library



Curtin University acknowledges the traditional owners of the land on which Curtin Perth is located, the Wadjuk people of the Nyungar Nation; and on our Kalgoorlie campus, the Wongutha people of the North-Eastern Goldfields.

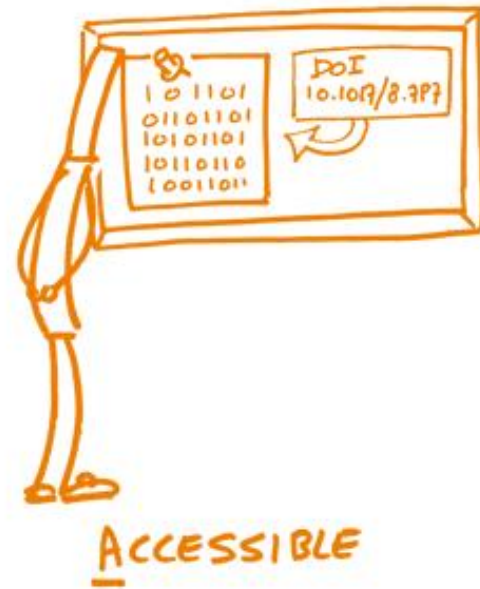
Session outline

- FAIR principles
- Why publish research data
- What can be published
- How to publish research data

Collaborative notes

<https://tinyurl.com/ResDataPPH>

FAIR DATA PRINCIPLES



Why publish research data

- Funder open access policy
- Publisher data sharing policy
- Research reproducibility
- Increase discoverability of your research
- Contribute to your field
- Demonstrate research impact: data can be cited

Case study

Jane has done several experiments which have had negative results and do not help progress her overall project further. However, she feels the results, protocol, and data are still interesting. She does not want to just shelve the work but she is not sure what to do with it. A friend says she should keep it private in case she can use it for publications later.

1. Do you think the friend is right?
2. Is there another solution that is more 'open'? What else could be done with the data?
3. Would you like to see more negative results published? Why/why not?
4. Would you like to have access to other researchers' protocols and data?

<https://www.orion-openscience.eu/index.php/node/241>

What can be published

Curtin Research Data Collection can include any data originating from research conducted at Curtin University.

Data includes, but is not limited to:

- data in any format;
- analysis of physical samples e.g. geochronology of minerals;
- experimental or laboratory data (not including working data);
- simulations generated from test models;
- derivations or compilations e.g. text and data mining, databases, 3D models;
- photographs and images;
- audio and videos;
- supplementary data to a Higher Degree by Research thesis;
- software;
- web services.

<https://library.curtin.edu.au/about/research-data-collection/>

How to publish research data

1. Do you have the right to publish the data?

- Who owns my data?
 - Did you collect the data?
 - Industry funded research
 - Indigenous cultural and intellectual property rights (ICIP)
- Is my data sensitive?
 - Can a de-identified copy of the data be shared?
 - Have I obtained consent?
 - Publish metadata only

[F] [A] [I] [R]

2. *Choosing a repository*

- DOI minting
- Subject repositories - is it listed in re3data or FAIRsharing?
- General repositories e.g. Zenodo, Dryad
- Curtin Research Data Collection
 - <https://doi.org/10.4225/06/56CFB3F39A3C2>

[F] [A] [I] [R]

3. *Data description*

- What do other researchers need to know?
 - What it is?
 - How was it collected? By who?
 - What methods were used for data collection and generation?
 - What data formats do you use?
 - Any equipment or software used?
 - How to cite the data?
 - Licenses or restrictions?
- Readme text
 - <https://doi.org/10.25917/arw1-te90>

[F] [A] [I] [R]

4. *File formats*

For long-term accessibility and interoperability

- Choose a format that is widely used within your discipline
- Open format
- Unencrypted
- Uncompressed

[F] [A] [II] [R]

5. License and restrictions

- What can other researchers do with your data?
 - Creative Commons
 - Open Data Commons
 - SPDX licenses
- If not open access:
 - Who to contact?
 - How to request access?

[F] [A] [I] [R]

Need help?

Contact ResearchData@curtin.edu.au

Publishing Power Hours 2022

1: Publishing in quality journals

Tuesday 13 September | 12 – 1pm

2: Predatory journals and unethical publishing

Tuesday 20 September | 12 – 1pm

3: Publishing your research data

Friday 23 September | 12 – 1pm

4: Publishing your software code

Tuesday 4 October | 12 – 1pm

5: Publishing copyright essentials

Friday 7 October | 12 – 12.30pm

6: Getting your article published

Tuesday 11 October | 12 – 1pm

7: Measuring the impact of your research publications

Tuesday 18 October | 12 – 1pm

8: Open Access publishing

Tuesday 25 October | 12 – 1pm

9: Using the institutional repository (espace) to make your research open access *For academic staff only.*

Thursday 27 October | 12 – 1pm

10: Making EndNote work for you and your publications

Thursday 3 November | 12 – 1pm

11: Preprints

[This is a pre-recorded workshop available at this link.](#)

Your Faculty Librarians



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