



Publishing your software/code

Publishing Power Hour 4
John Brown, Librarian
October 2022



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

1. Background
2. Why publish software?
3. What you'll need
4. Process
5. FAQs

Reminders

- These slides will be sent out next week
- The library is here to help. Get in touch with your faculty librarian or feel free to Research Support team LibraryResearchSupport@curtin.edu.au

Background

- What is software publication?
- Increased use of software in research
- For today's presentation I'll be using software to include code; this is not actually correct.

Why?

- Reproducibility & Trust
- Improved citations
- Giving to the community

- Publisher requirements

How?

Requirements:

1. Your [ORCID](#)
2. Code you are happy to make public

Requirements

Remove software that isn't your original work unless you have an agreement.

If you don't have permissions, you might need to document them as dependencies

This is especially true of proprietary software or unpermitted sharing in small communities.



Process

Process – Overview

- Prepare to share

then

- Put it in a code repository

then

- Move from code repository to the digital repository

and

Cite/share your DOI (Digital Object Identifier)

Process - Check IP Ownership

- Students *usually* own the IP in the software, unless it was developed for a University project.
- Staff should consult the [Intellectual Property Policy and Procedures](#)
 - Unless agreed otherwise, the University will own the Intellectual Property in the work.
 - Computer works are **explicitly excluded** from the definition of scholarly works.

Process – Consider Containers

- Good way to ensure consistent performance
- We would suggest looking at [Docker](#)

Process – Metadata

- Collate your metadata:
 - Name
 - Creators
 - Funders
 - Software Language and Version/Standard
 - Licence
 - Description
 - Version
 - Related research outputs
 - Anything else the repository may require for deposit
 - Anything else someone using the software may find useful

Process - Journal

- Find a journal
- <https://www.software.ac.uk/which-journals-should-i-publish-my-software>

Process - DIY

Generalist

- Zenodo
- Figshare

VS

Disciplinary

- CRAN - Comprehensive R Archive Network
- Lots of others

Process - DIY

- Choose a licence for software

<https://choosealicense.com/>

- **Don't** use Creative Commons

Process - DIY

[Documentation](#) (including dependencies!)

Good to have: Sample input/output data

Create a recommended citation

Make it machine readable?

<https://citation-file-format.github.io/>

Create a [readme.txt](#)



Success!

Resources

- [ARDC Working With Research Software](#)
- [ARDC Research Software Sustainability Webinar](#)

- [Software Sustainability Institute](#)
 - [Guidance for Researchers](#)

- [Connecting Figshare to Github](#)
- [Connecting Zenodo to Github](#)

FAQs

- Do I need to publish SPSS/Excel?

NO! You should not. These are already published and available.

FAQs

- How can I get funded to develop my research software?

Become a software developer or software engineer?

Like a telescope, it is often seen as a tool for research, it is not the research itself.

- [Curtin Institute for Computation](#)

FAQs

- I'm concerned someone will get my software and scoop me! Is software publication still for me?

You can place an embargo on the release of the software



Any questions?

***Talk to your Faculty Librarian or email
the Research Support mailbox!***

Your Faculty Librarians

Email: LibraryResearchSupport@curtin.edu.au



Health Sciences
Vanessa Varis



**Business and Law,
Humanities**
Jaya Ralph &
Kitty Delaney



Science & Engineering
Jenny Copestake



**Centre for Aboriginal
Studies**
Dr Petra Dumbell

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.](#)