Data Publishing

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TU Delft
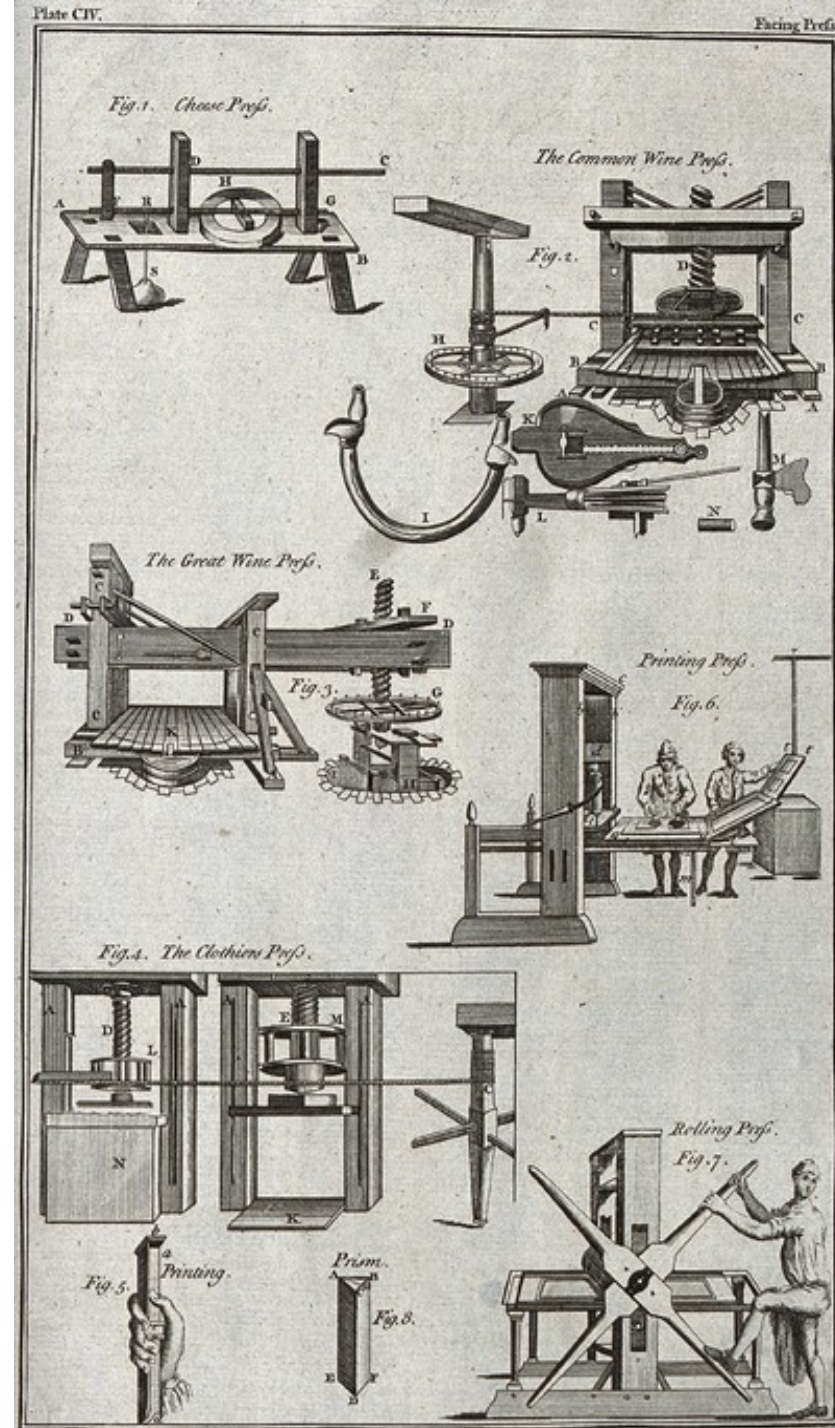
Why publish/share your data?

Why Share Data?

- Ensure data accuracy and integrity

- Security & peace of mind that your data will be available in future

- Efficiency – you and others will be able to interpret it

- Can be built on by others (& you can get some credit)
    - Contribution credits in ICOS: https://meta.icos-cp.eu/objects/8-QdAS3v4wjdRS3pGz_CG3JI
    - TU Delft Job Post (Nov 2018): https://webcache.googleusercontent.com/search?q=cache:A8BmCSKMCEAJ:https://vacature.beta.tudelft.nl/vacaturesite/permalink/48788/%3Flang%3Den+&cd=5&hl=en&ct=clnk&gl=nl

- Sometimes you'll have to (grant requirements, policies)

- Current practices need improvement: 'Data Sharing and Management Snafu': https://www.youtube.com/watch?v=N2zK3sAtr-4

What to share & where to put it

✓ Finished data (well-documented, follows standard[s])

✓ FAIR data ('as open as possible, as closed as necessary')

✓ Trusted repositories

What is FAIR data?

Slide Credit: Sarah Jones (CC-BY)
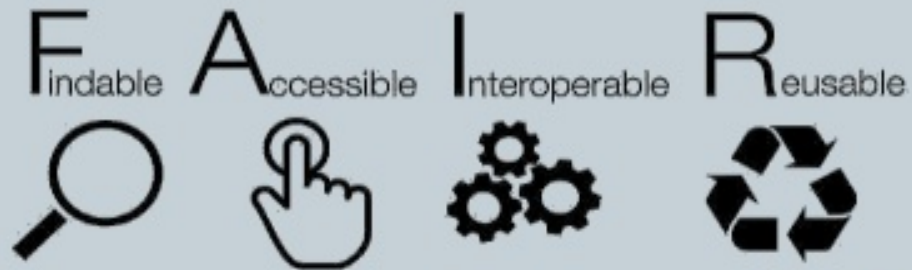
Persistent Identifiers

A persistent identifier is a long-lasting reference to a digital resource

→ avoid 404 Not found

Digital Object Identifier (DOI)

e.g., *4TU Repository*

Open Researcher and Contributor ID (ORCiD)

Handle

e.g., *Dataverse*

Trusted Repositories – would you use data from these sources?

GBIF: https://www.gbif.org/

DIP:
https://dip.doe-mbi.ucla.edu/dip/Main.cgi

DataOne:
https://search.dataone.org/data

Trusted Repositories

Certifications

- Check documentation
- Assess & Ask Colleagues (tips for publishing your own: CESSDA ERIC's 'Data Publishing Routes':
https://www.cessda.eu/Research-Infrastructure/Training/Expert-tour-guide-on-Data-Management/6.-Archive-Publish/Data-publishing-routes)

Research Data Repositories

Institutional

http://www.re3data.org/

General purpose

Discipline-specific

Creative Commons Licenses

https://creativecommons.org/share-your-work/licensing-types-examples/

Examples:

Volcanic Ash & Food Safety:
http://doi.org/10.5281/zenodo.438936

Biogeography of Jellyfish:
https://doi.org/10.1594/PANGAEA.835732

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Slide credit: Heather Andrews & Jasmin Böhmer, TU Delft

What Can you do with these?

https://commons.wikimedia.org/wiki/File:Leonardo_Da_Vinci_-_Annunciazione.jpeg (image)

https://doi.org/10.15468/24cumk (dataset)

https://youtu.be/pxYoFlnJLoE (YouTube video)

Licensing Resources

License Selector Tool (EUDAT):
https://ufal.github.io/public-license-selector/

4TU Licensing information:
https://researchdata.4tu.nl/en/publishing-research/licensing/

Creative Commons Search: https://search.creativecommons.org/

Again:

Make your data as open as possible, but as closed as necessary

Questions?

Image Credit: Karen_Nadine