The Alan Turing Institute

What a data paper can do for you

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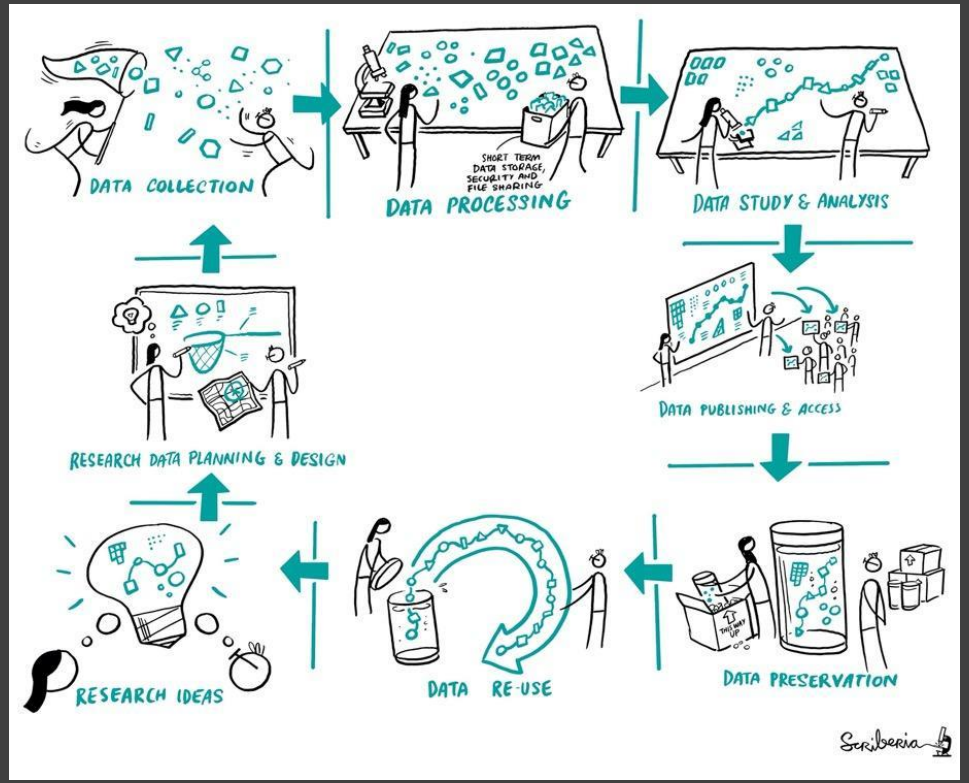
When should we consider data in research projects?

- Data management plans
- Getting data access/collection
- Dealing with data
  - types of data
  - keeping it secure
  - version control
  - metadata
- Long-term storage/archiving
- Publishing



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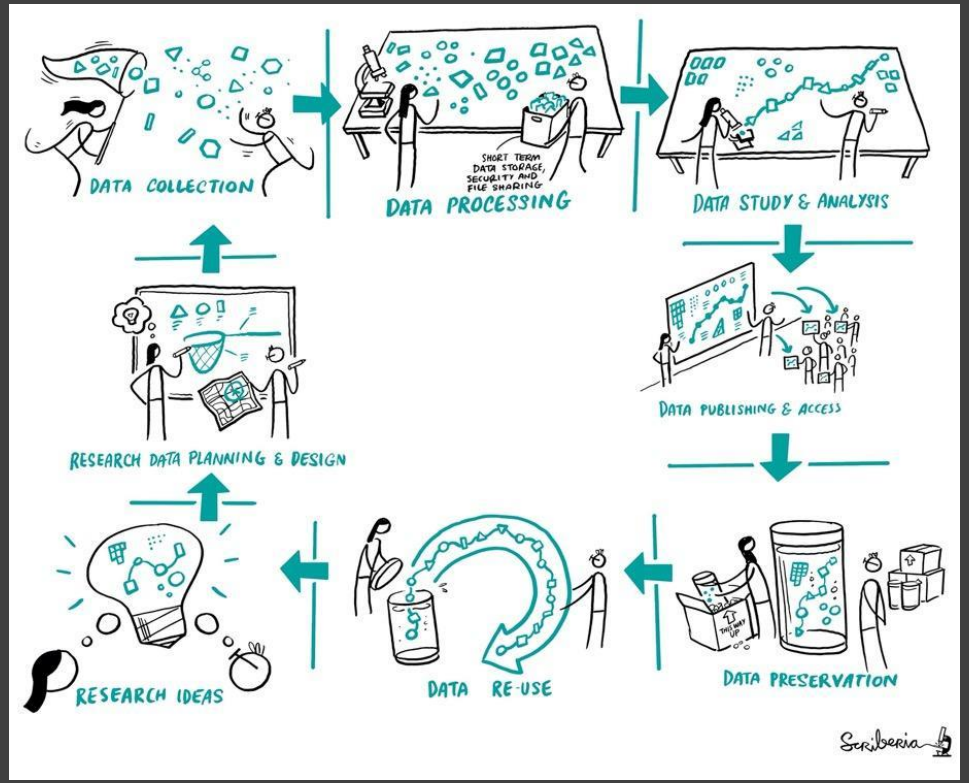

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Data preservation and publishing

"As open possible, as closed as necessary"

Research Data Alliance International Indigenous Data Sovereignty Interest Group. (September 2019). "CARE Principles for Indigenous Data Governance." The Global Indigenous Data Alliance. GIDA-global.org

https://the-turing-way.netlify.app/reproducible-research/rdm/rdm-fair.html

Data in a research article

Data in supplementary files

Repository with DOI

Linked in a data availability statement

Data paper ★

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What is a data paper?

– Describes a dataset
– Does not include analysis or findings
– Data usually in an open repository
– Use a template to write it
– Data journals

https://the-turing-way.netlify.app/communication/dif-articles/data.html

What do you write in a data paper?

- Background and summary
- Methods – data collection
- Data records – where is the data?, what format?, overview of the data files – data dictionary.
- Technical validation – what analyses were done to ensure technical quality of dataset
- Usage notes – how can others reuse it? Or apply to reuse it?

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Why write a data paper?

- Research papers
- FAIR Dataset
- Data paper?

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Makes your data more FAIR

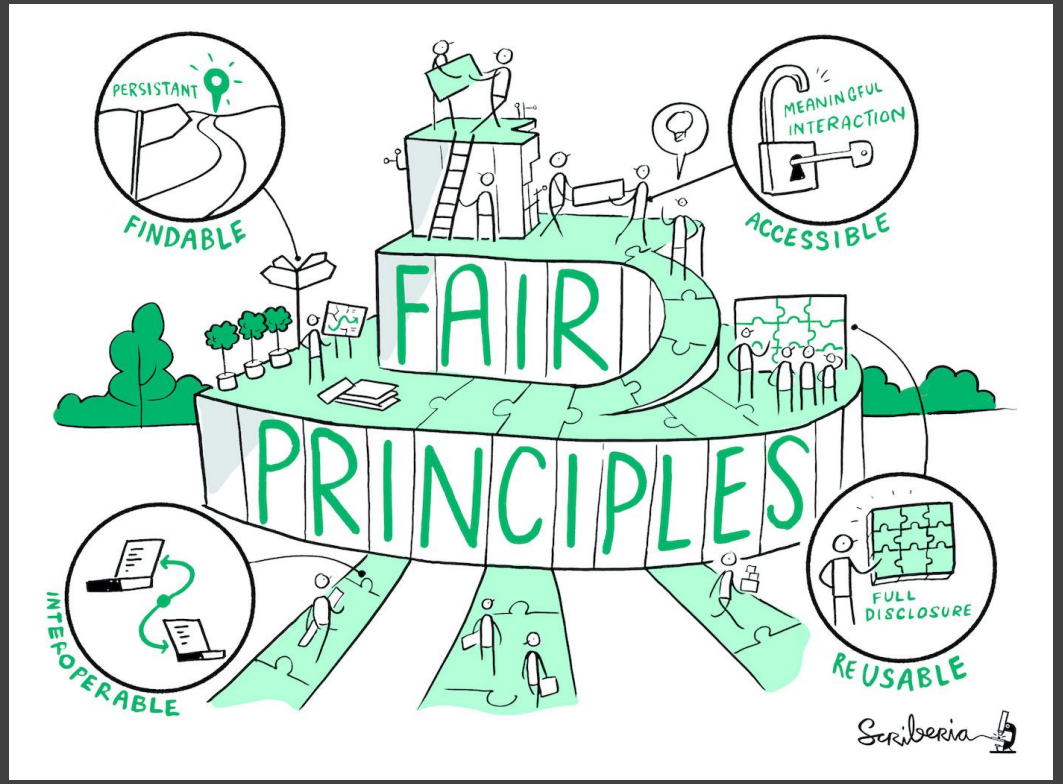
– More findable

AND you take more care to make it:

– More accessible

– More interoperable

– More reusable



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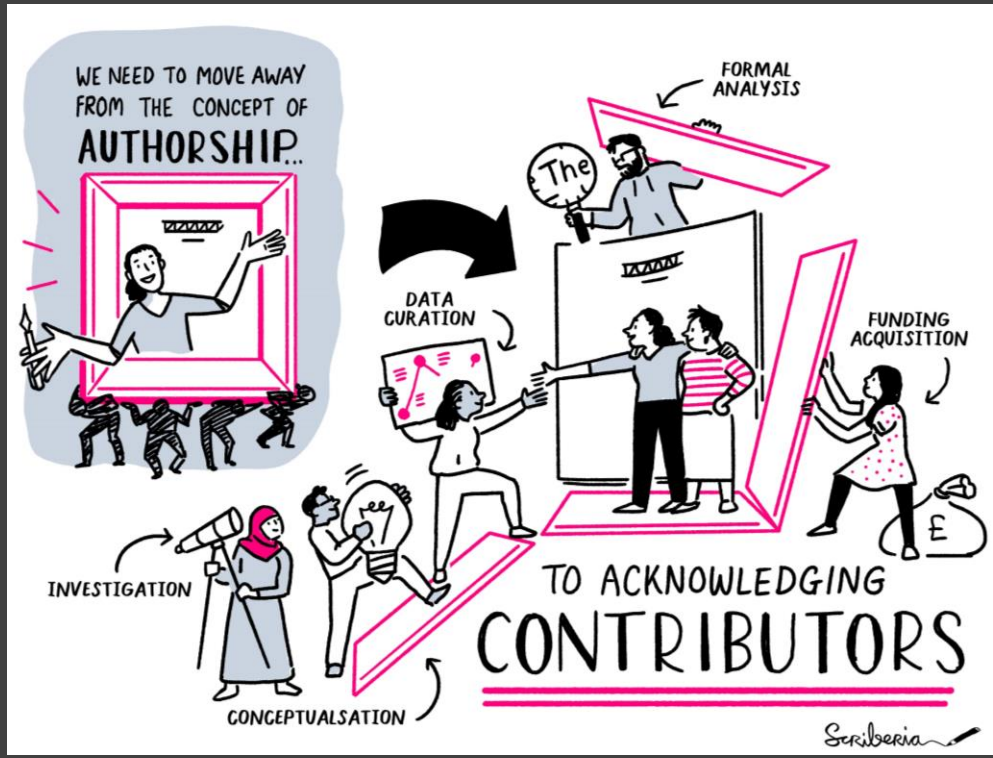
Get credit for your dataset

– Sustainable and reproducible research practices often receive less credit so get some!

– Equitable authorship



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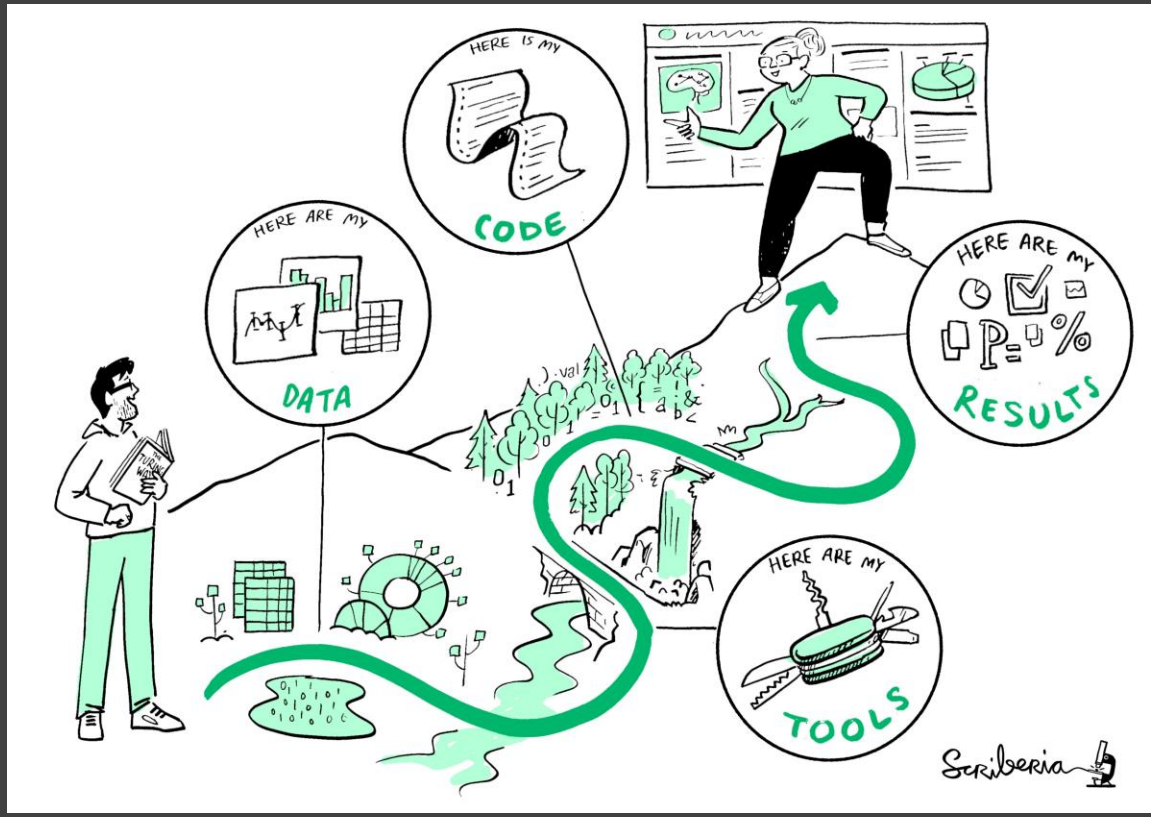
Reproducible research

Transparency =
Reproducibility =
Research quality



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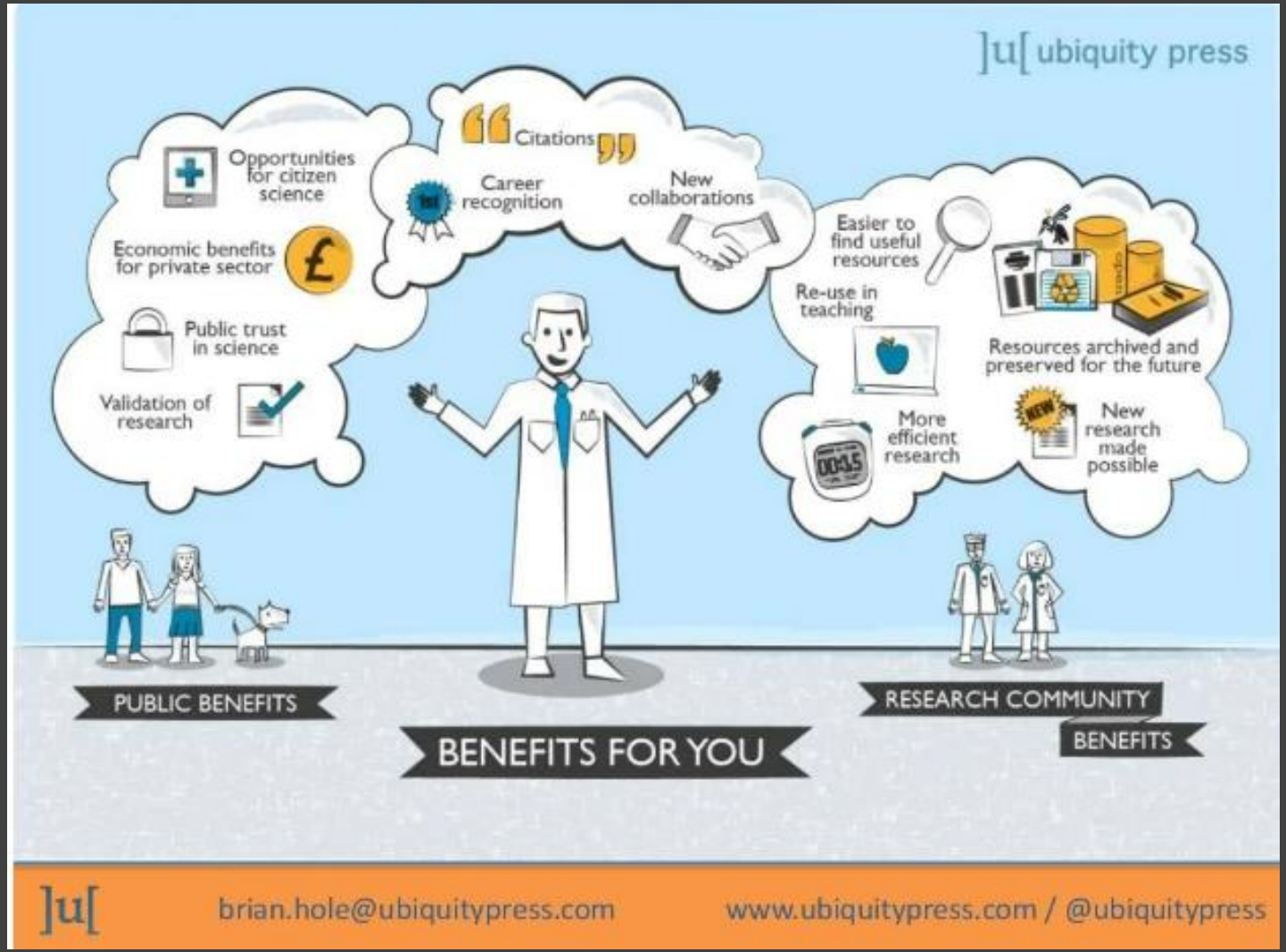
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Opportunities for citizen science
Economic benefits for private sector
Public trust in science
Validation of research
Citations
Career recognition
New collaborations
Easier to find useful resources
Re-use in teaching
Resources archived and preserved for the future
More efficient research
New research made possible
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BENEFITS FOR YOU
RESEARCH COMMUNITY BENEFITS
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ELIXIR-UK FAIR Data Stewardship Fellows

Applications open - deadline 10 July 2022

RDM bites

Asynchronous training

F2F courses

Aims:

- Community Network
- Embedding practice
- Professionalise role

Link to fellow application information

elixir UNITED KINGDOM

Useful resources and links for data management and publishing

- *The Turing Way*
  - Research data management chapters
  - Data papers
- Elixir-UK
  - RDM kit – and soon to be released! *RDM bites*
  - FAIR cookbook
- FAIRsharing – a collection of standards, policies, tools
- FAIRSFAIR

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Thank you!

–Turing Way Community

–Elixir-UK

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