

The process is the work – scribe at the side sectional infrastructure

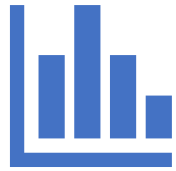
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Introduction

- Repositories are currently typically the destination of outputs of the final stages of research
- New infrastructure and standards are supporting the capture of a more fine-grained view of the research process
- As these novel output types and research capture practices evolve and become a part of the wider landscape, repositories and the technical / policy milieu will also need to evolve to respond
- This short talk will look at the current state of the art and discuss how practice, technical platforms and policy might progress

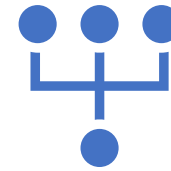
Landscape



Repositories focus mainly on the final outputs of research, such as papers, data sets, and other materials [1]



However, there is a growing interest in capturing and sharing a more detailed and comprehensive view of the entire research process, not just the final outputs [2-5]



This shift towards a more fine-grained view of research is leading to the development of new types of research outputs, such as hypotheses and workflows [4], that are becoming increasingly important for researchers and institutions



These new types of outputs and capture practices pose new challenges and opportunities for repositories and the systems that support them

[1] Evans, Jenny, Nina Watts, Taylor Mudd, and Tom Renner. 2022. "From Legacy to Next Generation: A Story of Collaboration to Push the Boundaries of the Open Source Haplo Repository from Cayuse". *Insights* 35: 14. DOI: <http://doi.org/10.1629/uksg.582>

[2] Practice Research Voices (PRVoices) project blog, <https://blog.westminster.ac.uk/prvoices/> (accessed 2 January 2023)

[3] Sustaining Practice Assets for Research, Knowledge, Learning and Education (SPARKLE), <https://gtr.ukri.org/projects?ref=AH%2FW007606%2F1> (accessed 5 January 2023)

[4] Octopus, <https://www.octopus.ac>, (accessed 10 January 2023)

[5] RAiD NISO Standard : ISO 23527:2022 - Information and documentation — Research activity identifier (RAiD), <https://www.iso.org/standard/75931.html>, (accessed 2 January 2023)



Scribe at the side

- Narrative
- HARKing (hypothesising after results are known)
- P-Hacking (running different statistical analyses until a positive result is found)



Scribe at the side

“I think something about that, that iterative process and how the portfolio kind of almost sits alongside you as you’re undertaking your your research, perhaps it’s not, necessarily a retrospective activity and there’s something perhaps about the way in which you develop it, that’s helpful in terms of understanding the insights that you’ve gained.”

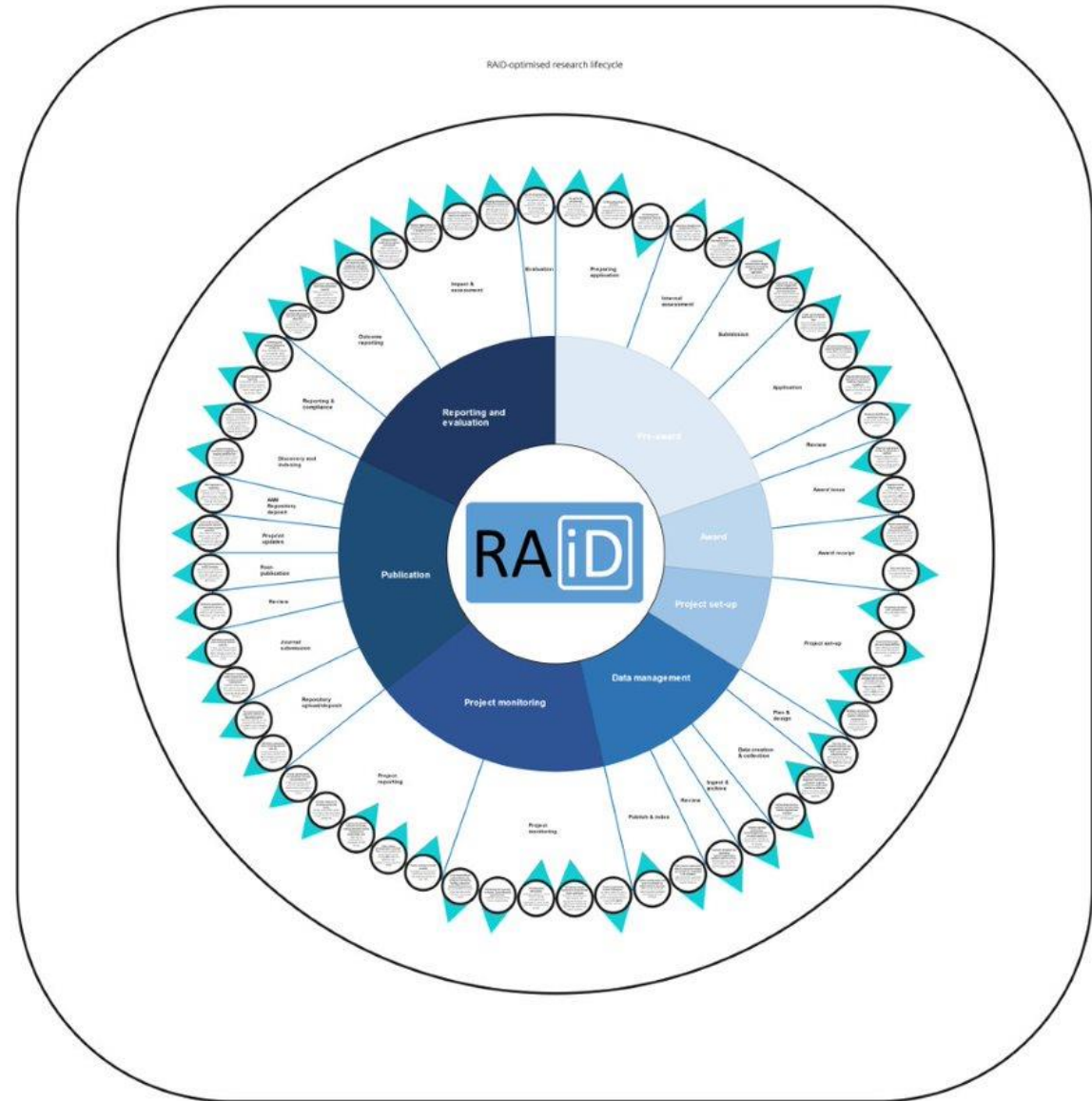
Professor Helen Bailey, Kings College London



RAiD

- Research Activity Identifier
- Washing line (or canoe or envelope)
- Allows for narrative
- Delivers impact

RAiD




Octopus.ac


The primary research record for registering ideas and outputs at all stages


- The platform is entirely open and free to use
- Researchers can instantly share their work in detail
- 8 publication types aligned with research process
- All publications are linked in branching chains
- Open, post-publication peer review
- Integration with existing research systems e.g. PIDs
- Aligned with open research policies and best practice


Octopus: fast, free and fai


 **PEER REVIEW**
A considered, detailed review of any of the above kinds of publication.

 **RESEARCH PROBLEM**
a neatly defined scientific problem.


 **HYPOTHESIS/RATIONALE**
an original hypothesis relating to an existing published Problem or the rationale for how you think the Problem could be addressed.

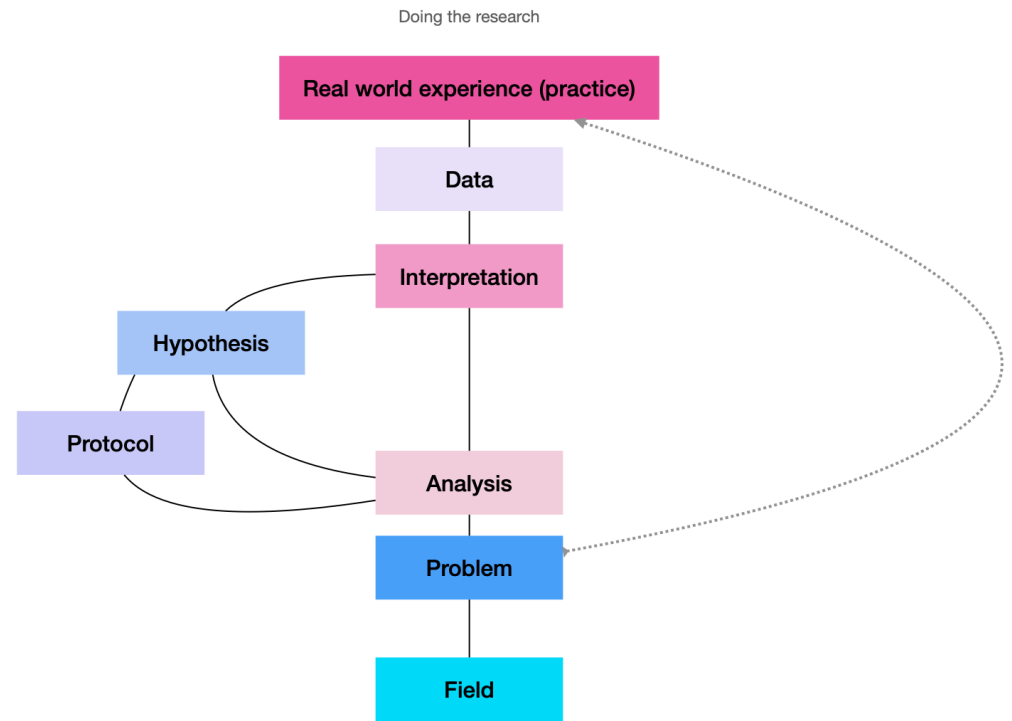
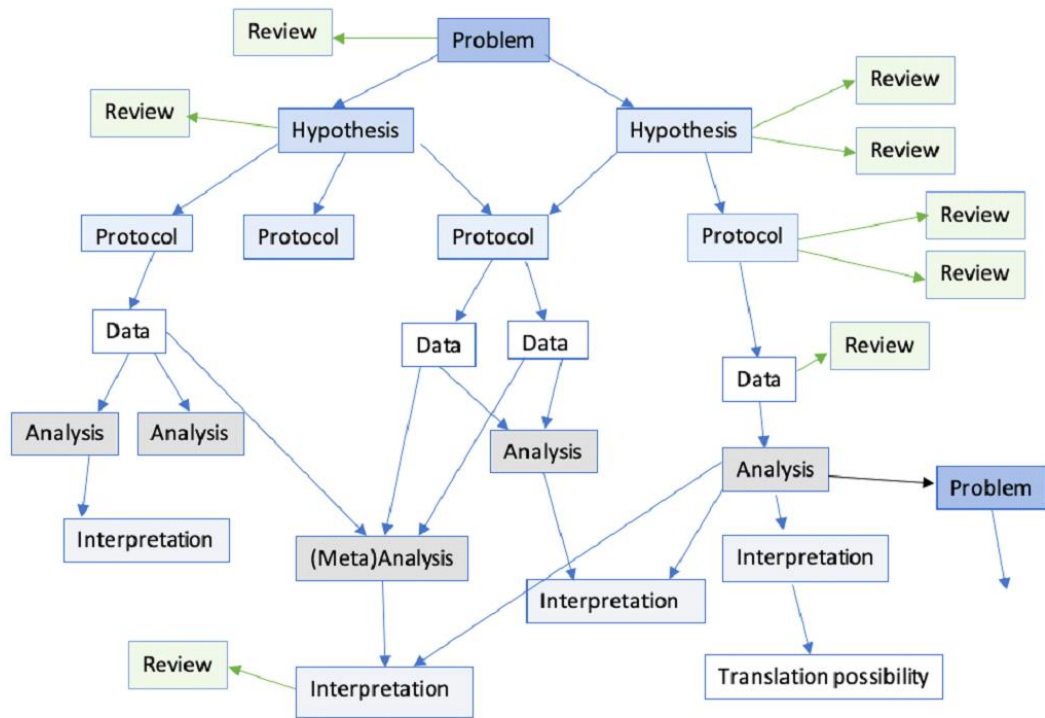
 **METHODS/PROTOCOLS**
a practical method of testing an existing published Hypothesis.

 **DATA/RESULTS**
raw data or summarised results collected according to an existing published Method (can be linked to a data repository).

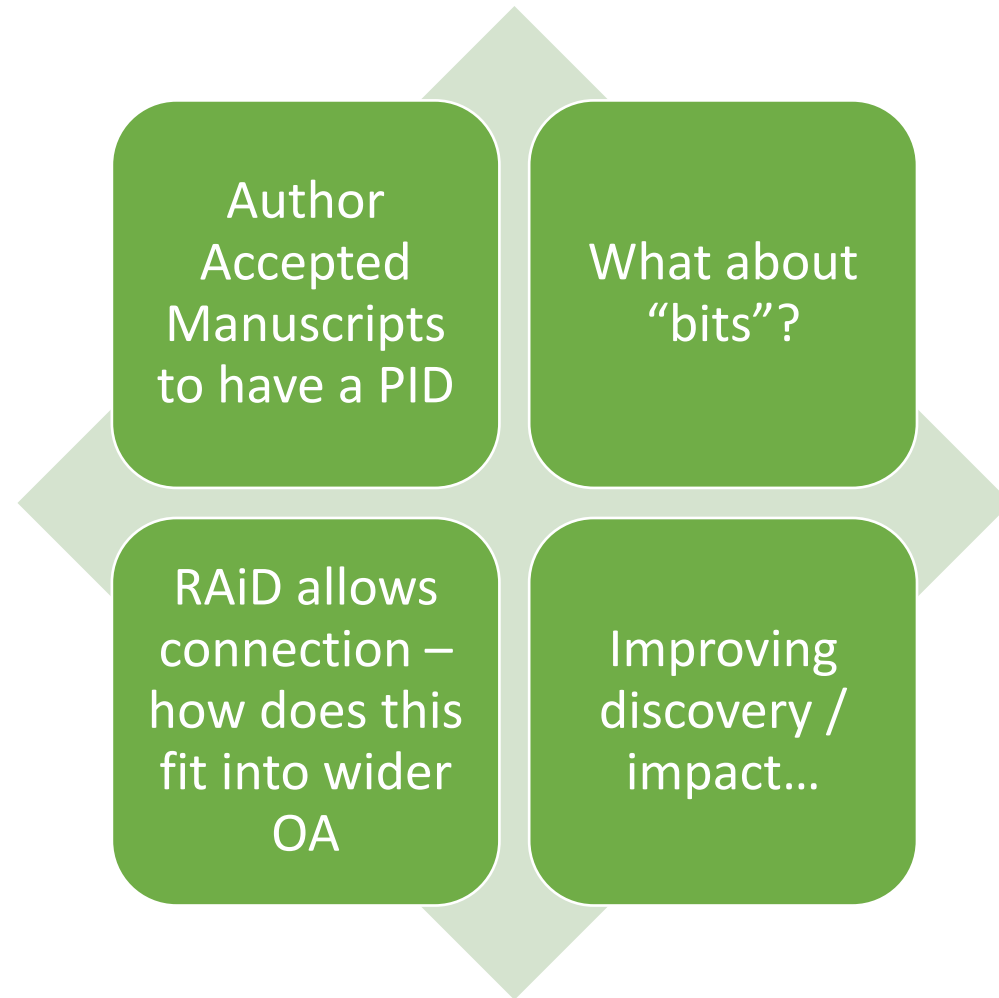
 **ANALYSIS**
a statistical or thematic analysis of existing published Data or Results.

 **INTERPRETATION**
a discussion around an existing published Analysis.

 **REAL-WORLD APPLICATION**
real world applications arising from an existing published Interpretation.



Policy bit –
Open Access
(OA) / FAIR
and
progressive /
sectional
output



FAIR scribes



Responding to the changing needs and expectations of researchers and stakeholders for more transparency and comprehensiveness of research outputs



Enhancing the quality and integrity of research by enabling more scrutiny and feedback on sectional outputs



Increasing the innovation and discovery potential of research by allowing new connections and insights to emerge from sectional outputs



Improving the reproducibility and reusability of research by providing more detailed and accessible information on research processes



Questions

