



### Increasingly, the information researchers want ...

... is in data they already have, can get, or are generating

They need support to acquire, describe, mine, manage, clean, combine, analyse, visualise, publish, share, and archive it ...



### Issues in researcher support

data volumes

reproducibility and data sharing

collaboration and interdisciplinarity research impact

The revised Australian Code for the Responsible Conduct of Research

computationally intensive research

skill gaps

data stewardship

computational thinking

digital humanities

Image source: https://mythologian.net/



#### The fork in the road

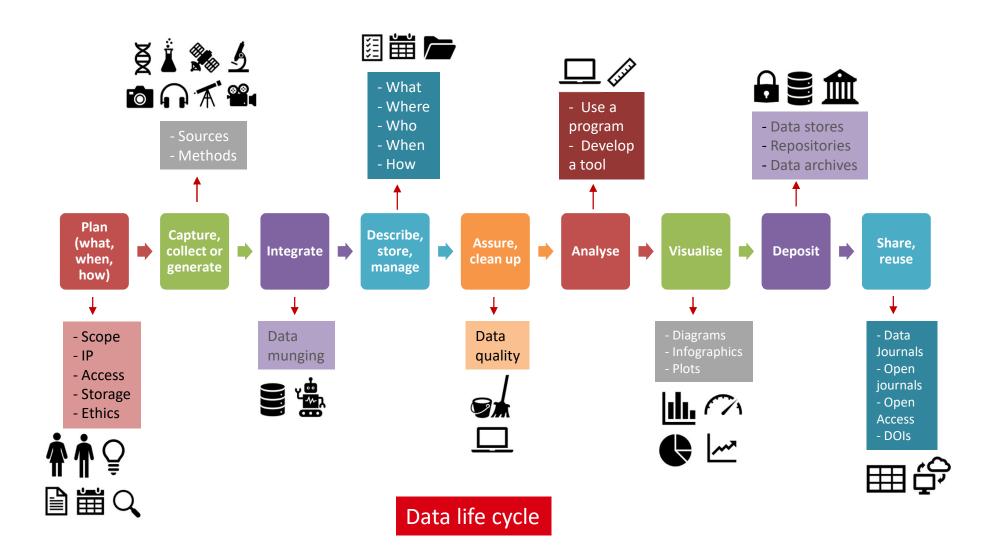
Good tools are available in the field, e.g., SPSS, Leximancer, Virtual Labs, Galaxy, Excel, MATLAB, QGIS, NVivo ...

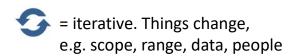


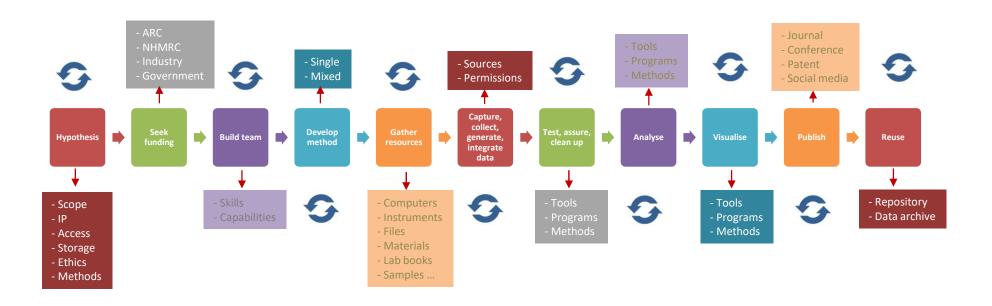
"If you intend to be at the head of your field, you'll often be in a place where the right tools for the job simply don't exist yet. You need to be able to develop such tools yourself, or at least speak the right language to communicate your needs to someone who can; and speaking that language means having a good working knowledge of computation."

D. MacArthur, "Why biology students should learn how to program," Wired, 18-Mar-2009.

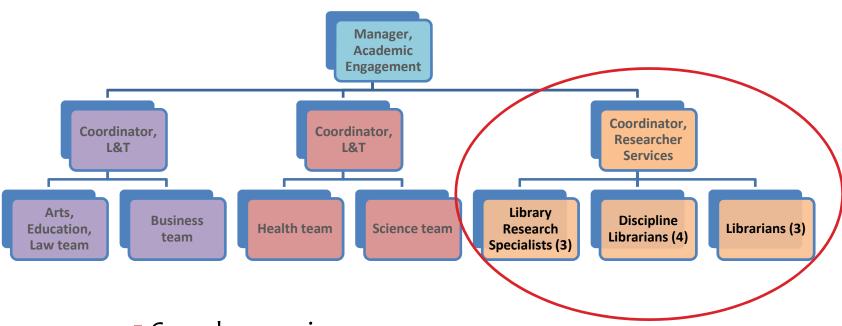




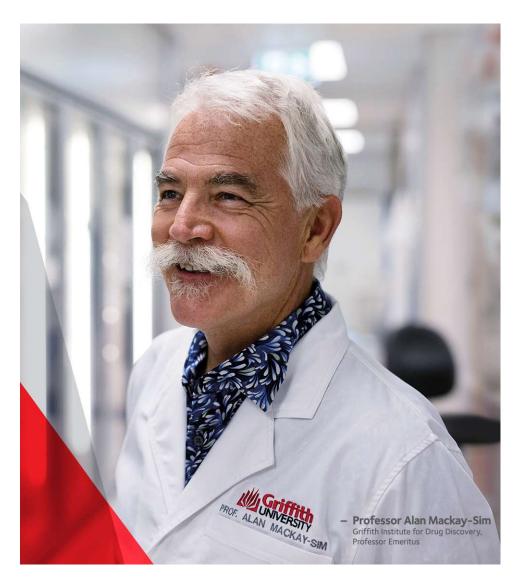




Research life cycle



- Complex queries
- New needs
- New instruments

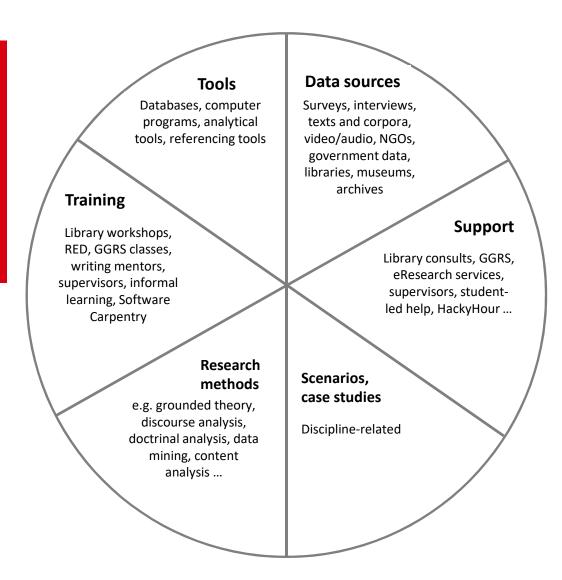


# Issues in change ...

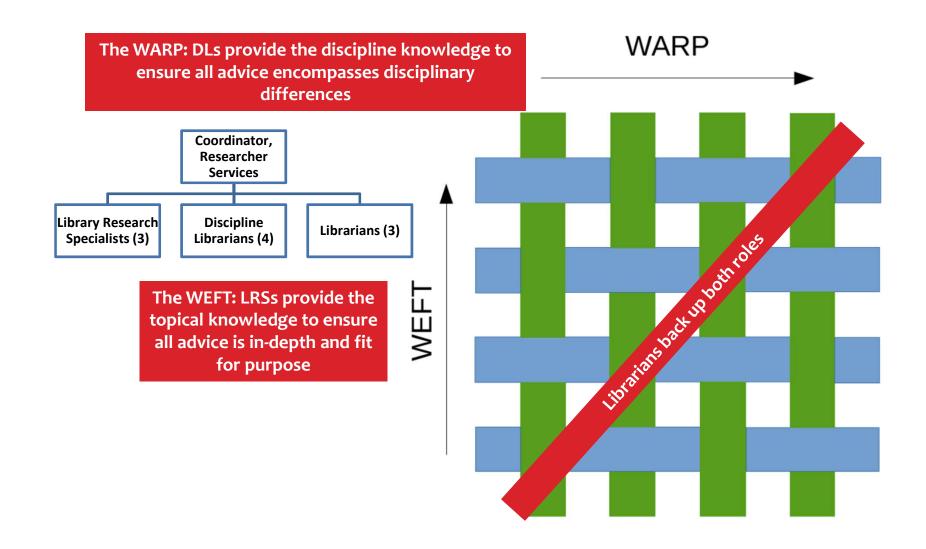
- Language
- Impostor syndrome
- Lack of knowledge
- Skill gaps
- Lack of depth
  - Topics
  - Disciplinary differences
- What services?
  - For whom?

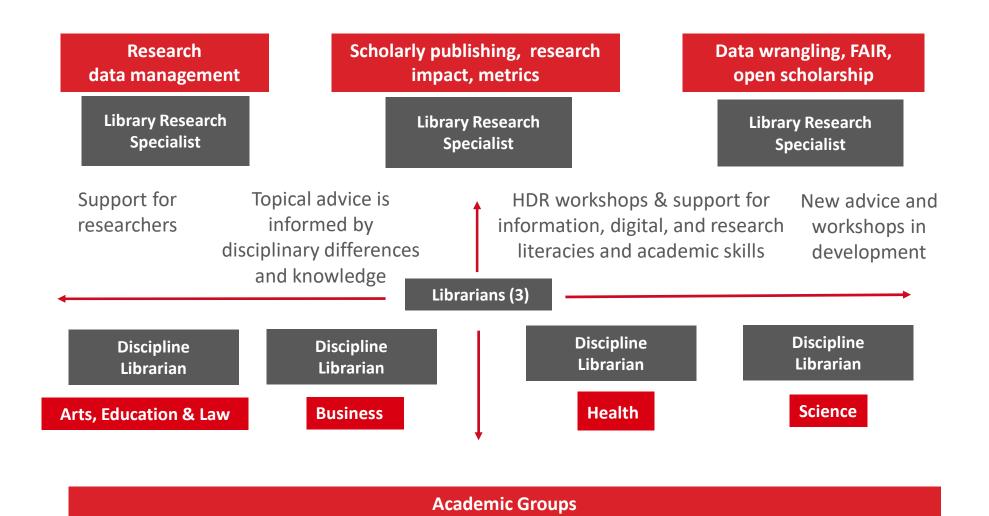


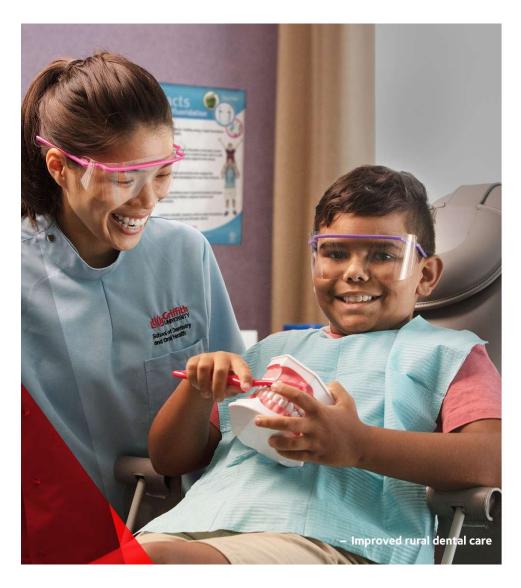
Mapped environments democratise knowledge, and make it easier for new staff to get up to speed.



Being mapped for all academic groups, e.g., science, health, AEL, business (and all parts thereof), along with an extensive topical knowledge base that underpins our new services







# Service catalogue

- Working with data
- Researcher metrics
- Researcher profiles
- Scholarly publishing
- Open scholarship
- Working with literature
- Support and training
- Research ecosystem



