

# Collecting Requirements for Research [Data Management] Infrastructure

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# Collecting requirements

- Complex & ambiguous environment
- Researcher/s may not know at the start what they really want or need
- Researchers needs continually changing
- Peak researchers tend to push the envelope



# Peak Researchers Vs Long Tail

## Peak Researchers

- Research tends to align with national or institutional research agenda
- \$\$ Cashed up
- Experienced researcher with a team
- After a specific solution
- Tend to have more sophisticated needs

## Long Tail

- Generally an individual or small team
- Limited funding
- Solutions used are generally free or provided by research institution
- Are more tolerant of an imperfect solution



# General Approach in Collecting Requirements

- Solution led by researcher/s
- Need a project methodology which caters for complex and ambiguous environments
  - Suggest using Agile methodology, like Scrum.  
Collect requirements into a product backlog in the form of user stories
- Continually collecting requirements, so that solution stays relevant to the researchers



# Collecting requirements for Peak Researchers

- Solution led by the researcher with the vision, usually most senior researcher (Product Owner)
- Collect requirements from their team and research community
- Product Owner prioritises requirements



# Collecting requirements for the Long Tail Researchers

- Identify some peak researchers from the solution's scope who are willing to represent the community (Product Owners)
- Collect requirements from researchers from institution within solution's scope
- Product Owners collectively prioritise requirements

