

Research data management requirements:  
- how can we collate experiences to benefit  
and better services?

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# Learning from collective experience

- What have we learned over the past ten years about gathering requirements?
- What approaches could be developed now to better understand user needs?
- What is needed to better connect local efforts to the larger curation community and vice-versa?
- Would it be worthwhile developing a shared 'question bank' that catalogues the questions that have been asked by theme, and links to related materials?



# Translating requirements into RDM services

- What does experience with the discussed methods tell us about how they may be improved?
- Are more targeted explorations needed?
- Would it be worthwhile to create tools that explore specific service needs at key ‘intervention points’ in the data lifecycle?

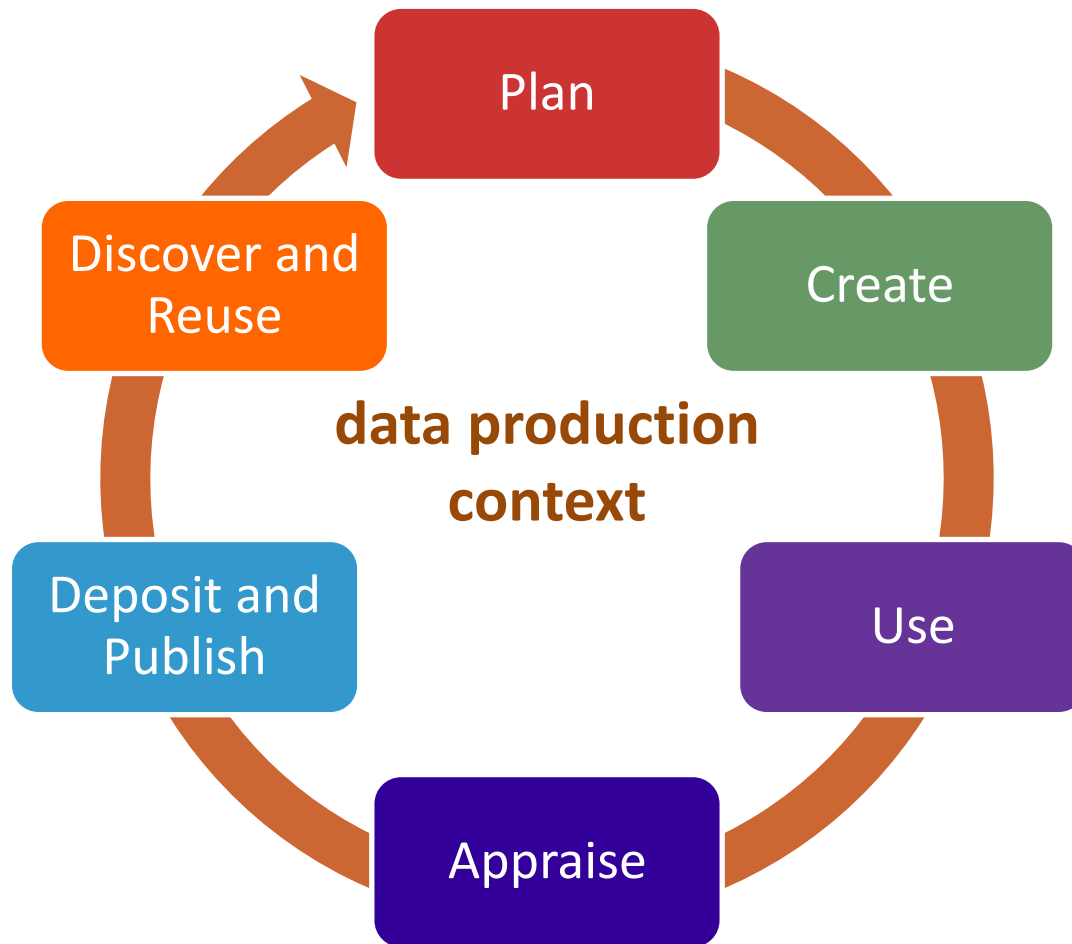


# Sharing collective experience

- How can we better communicate experience in identifying and assessing user needs to help others implement and deliver RDM services at research institutions?
- What are the strengths and weaknesses of the current approaches to sharing results?

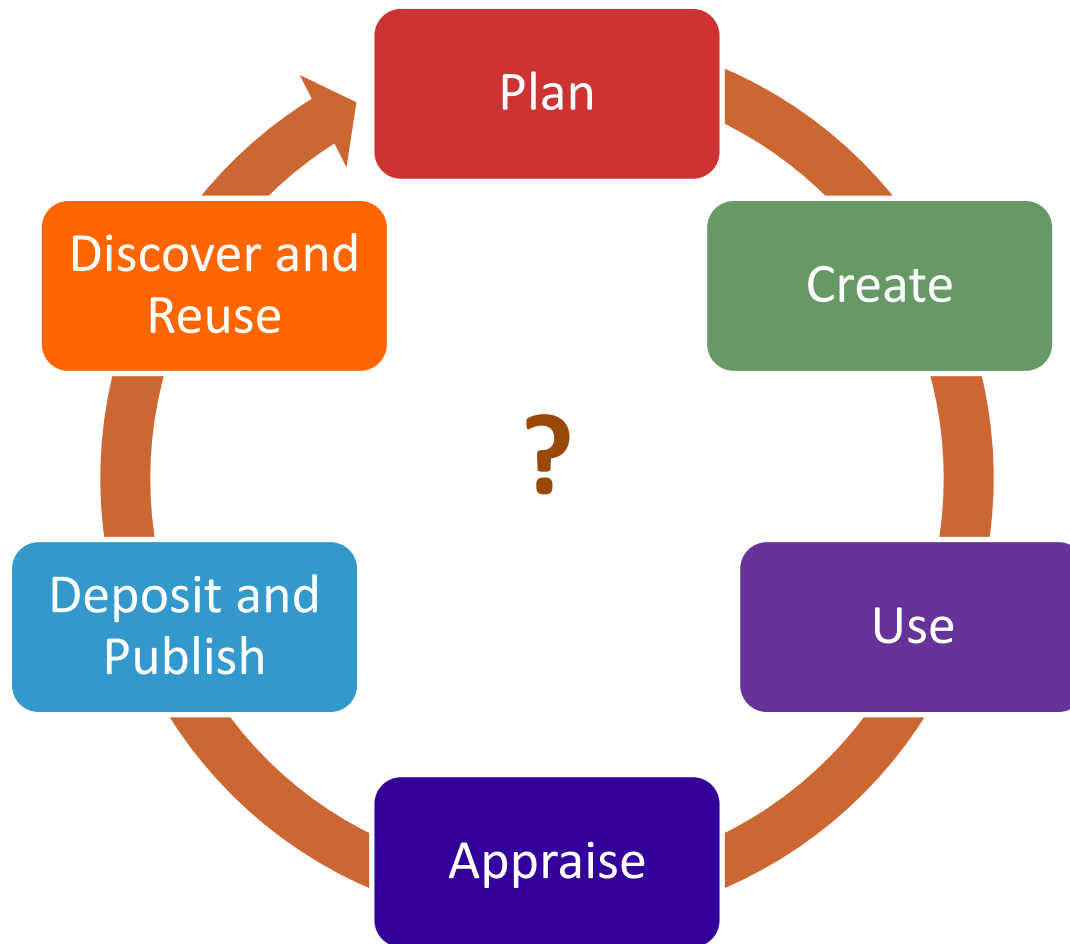


# RDM requirements throughout the lifecycle



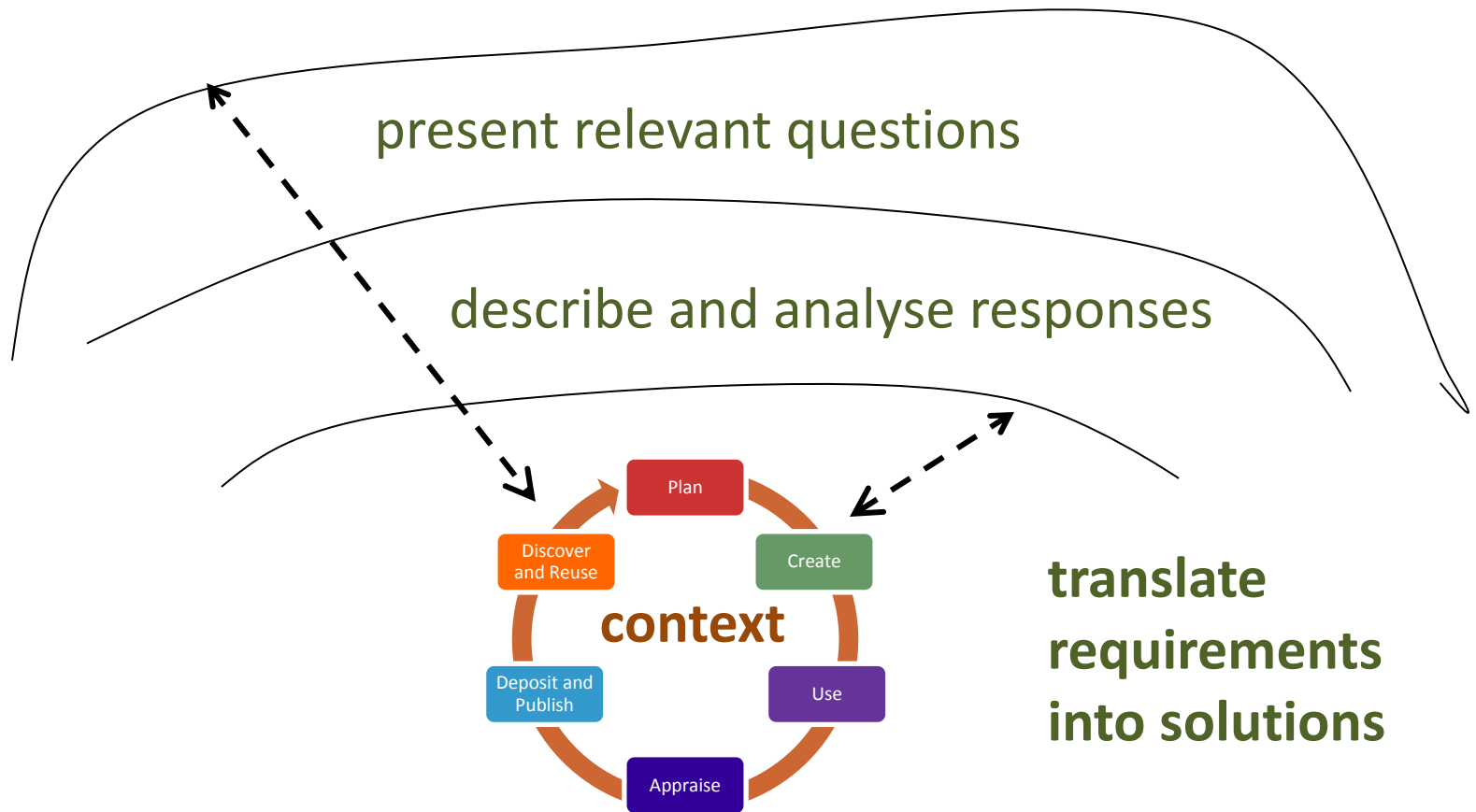
*Based on MANTRA data lifecycle*

What do we need to help us appreciate the data production context?



# What kinds of tools and resource do we need?

**To support dialogue about requirements  
and available solutions**



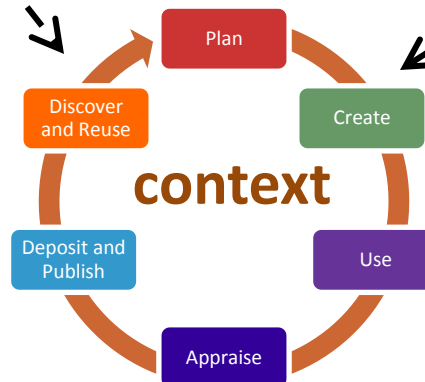
# What kinds of tools and resource do we need?

To support dialogue about requirements  
and available solutions



present relevant questions

describe and analyse responses



translate  
requirements  
into solutions



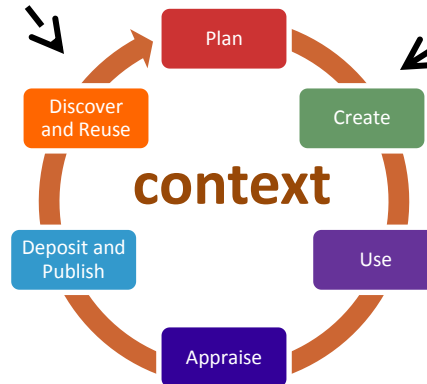
# What kinds of tools and resource do we need?

To support dialogue about requirements  
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Data Curation  
Profiles Toolkit

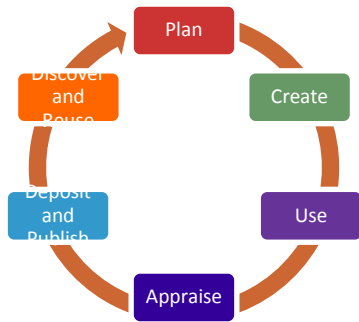
present relevant questions

describe and analyse responses



translate  
requirements  
into solutions

# What do we need more of?



RDM service's awareness of requirements

high

low

high

Closed questions

Open ended questions

Data producers' awareness of solutions

low

Open ended questions

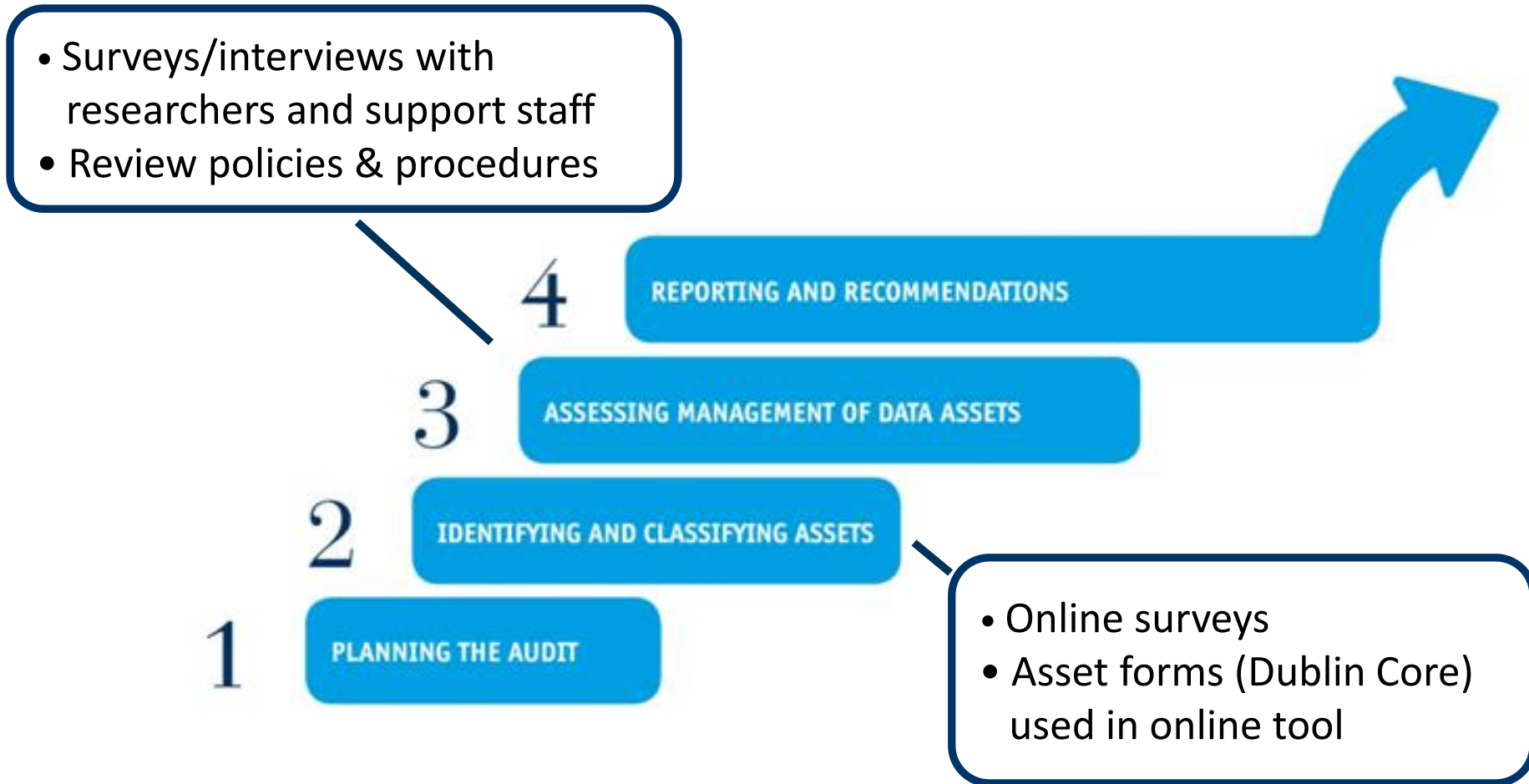
Scenarios  
User Stories  
Mock-ups  
Shared vocab.

# Data Asset Framework

- A methodology to 'audit' data holdings and investigate data management practice
- Created in a 6-month JISC project in 2008
- Used extensively in UK institutions to inform RDM policy and service development

[www.data-audit.eu/docs/DAF\\_Implementation\\_Guide.pdf](http://www.data-audit.eu/docs/DAF_Implementation_Guide.pdf)

# Data Asset Framework



# DAF strengths and weaknesses

✓✓✓

x x x

Simple

No easy access to reusable examples or results

Flexible

Lacks support for continuous engagement

Good take-up

Unbalanced coverage of specific service areas

# Question bank proposal

x x x

✓✓✓

No easy access to reusable examples or results

Provide repository of questions, instruments, results

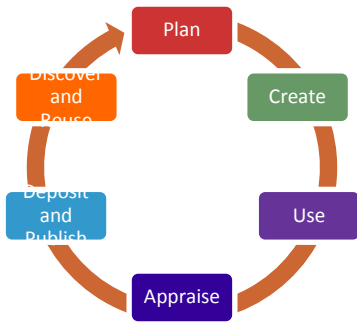
Lacks support for continuous engagement

Identify questions appropriate for different data production stages and contexts

Unbalanced coverage of specific service areas

Collate community experience

# Bank of what kind of questions?



RDM service's awareness of requirements

		high	low
Data producers' awareness of solutions	high	Closed questions	Open ended questions
	low	Open ended questions	Scenarios User Stories Mock-ups Shared vocab.

## Next Steps

- Want to collate more surveys, interviews, checklists, workflows
- Firm up the scope
- Test the use cases with e.g. Subject Librarians
- See us in the [Research Data Spring!](#)