

A Principles Aligned Institutionally-Contextualised (PAI-C) RDM Educational/Training experience

A Joint Pilot Project by:

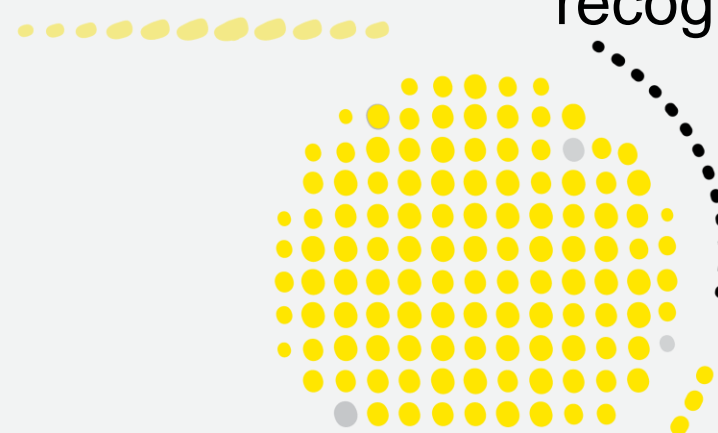
- 
- Australian Research Data Commons
 - University of New South Wales
 - University of Sydney
 - Bond University
 - University of Canberra
 - Charles Darwin University
 - Curtin University
 - Deakin University
 - Griffith University
- 






ACKNOWLEDGEMENT COUNTRY

I acknowledge the Traditional Custodians of the land on which the Brisbane Convention & Exhibition Centre now stands.



I pay my respects to Elders past and present, and recognise their enduring contribution to the culture and spirit of the land.

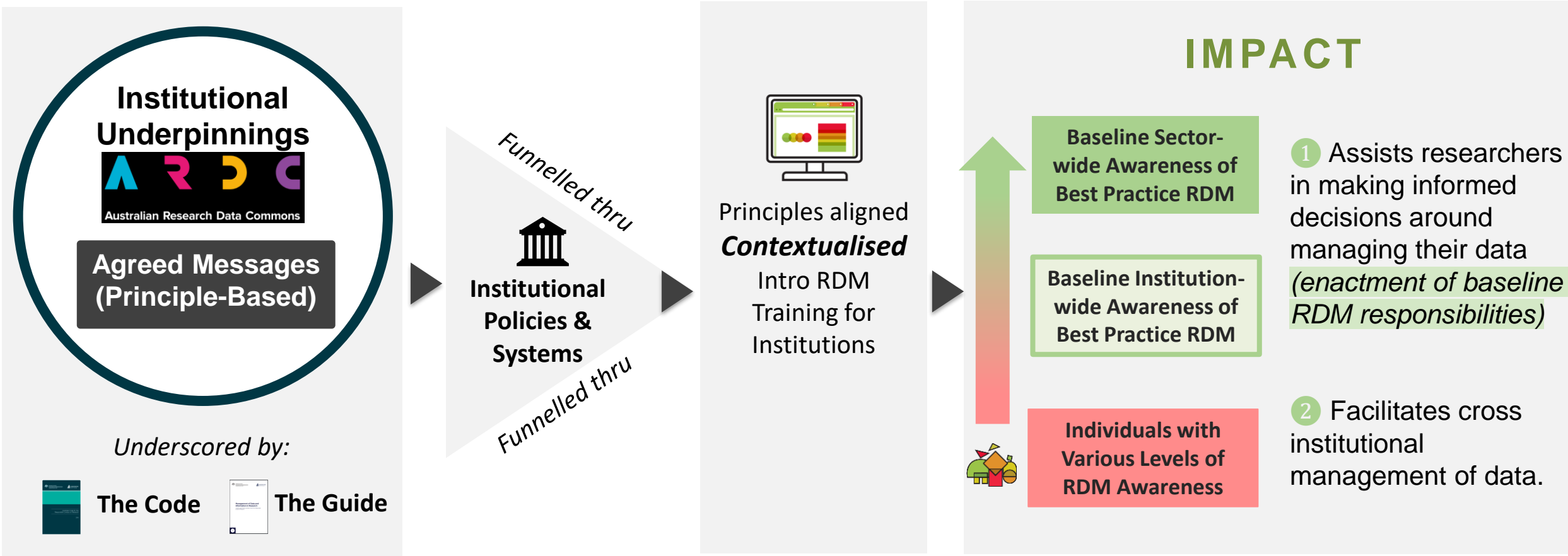




Outline

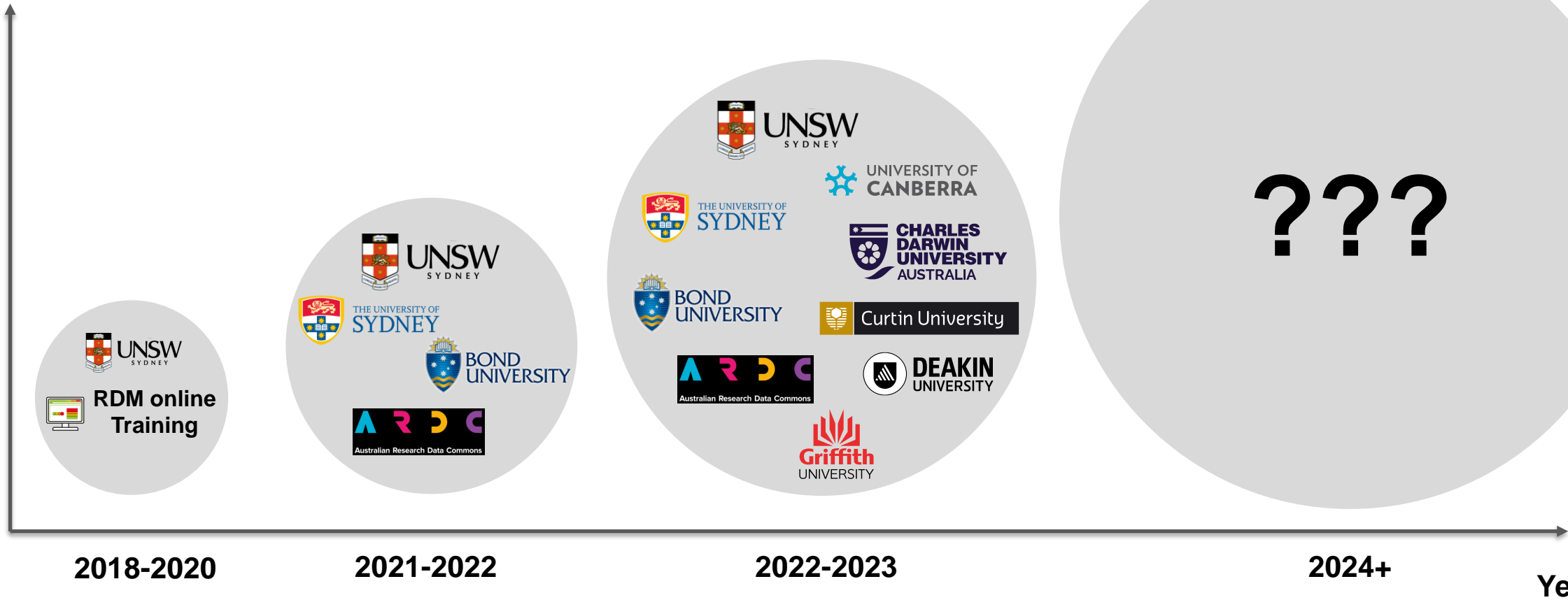
- Context Setting (5 mins)
- Sharing of PAI-C Experience (15 mins)
- Sustaining PAI-C (5 mins)
- Discussion (25 mins)
- Wrapping Up (10 mins)

A Principles aligned Institutionally-contextualised (PAI-C) RDM educational/training experience



PAI-C: The Origin Story

No. of Unis



PAI-C Intro RDM Experience



Demonstratable Outcomes

Complete Quizzes

Start RDM Planning

Complete Survey



Target Group

- New Higher Degree Research (HDR) Candidates



Focus

- Introductory Content



Objectives

- Start thinking about RDM
- Enacting RDM best practices relevant to their early project phase



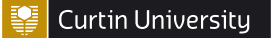





Structure

 75 to 90 mins

- Section 1:** Overview of RDM and Expectations
- Section 2:** Overview of Data Classification
- Section 3:** Data Classification Case Studies
- Section 4:** University-supported Data Platforms
- Section 5:** Data Handling Case Study I (Secure Storage & Backing-up)
- Section 6:** Data Handling Case Study II (Data Retention)
- Section 7:** RDM Planning (starting an RDMP)
- Section 8:** Reiterating key RDM expectations and next steps

PAI-C Pilot Testing ($n = 125$)

Learning Management System

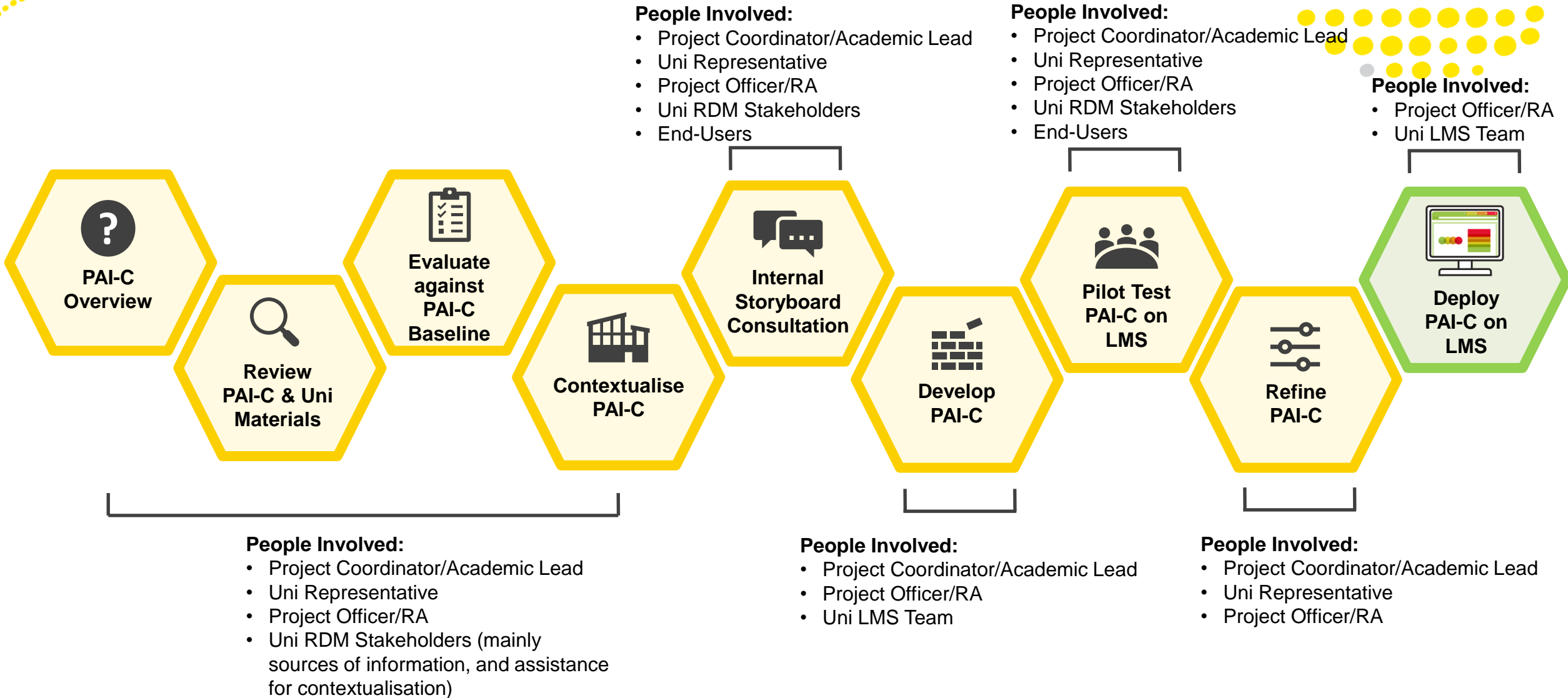
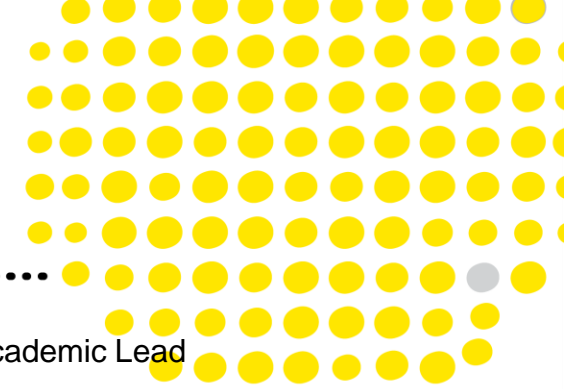
	Moodle
  	Blackboard
  	Canvas
	D2L

Pilot Testing Process

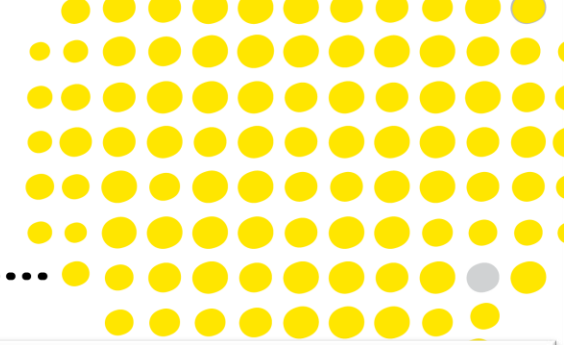
Tool = iSpring/Articulate

1. HDR Participants given 90 mins to complete PAI-C on LMS
2. Complete End-of-Module Survey
3. Focus Group Discussion

PAI-C Design and Development



Co-Design Process - Snapshot



Principles Version

UNSW PAI-C

Sydney PAI-C

Bond PAI-C

Canberra PAI-C

CDU PAI-C

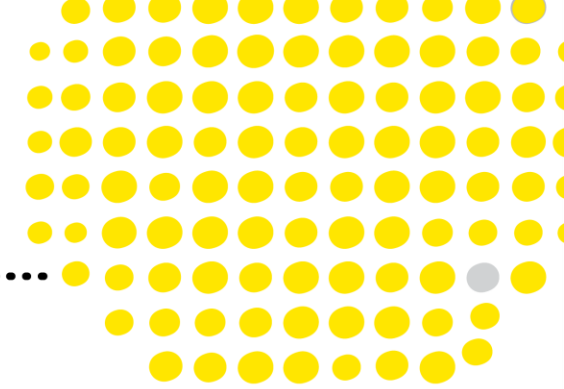
Curtin PAI-C

Deakin PAI-C

Griffith PAI-C



Key Assets Produced/Required



Data Classification

Data Storage

Data Retention



Sharing of PAI-C Development Experience



PAI-C Development Experience

Motivation

Creation of baseline RDM module

Structure

Collaboration and Best Practice

Cost and Resource Effective

Challenges

Major

Internal stakeholder engagement

Explaining the importance of RDM and PAI-C: Why? What? How?

Minor

iSpring

Benefits

Creation of a new culture

Open discussion and collaboration

Escalation in provision of essential services

Identification of knowledge/service gaps leading to future enhancements

Motivation for adopting PAI-C

Deakin is currently undertaking a two-year enterprise strategic project called Deakin Research Data Management Taskforce. A key initiative is to develop a sustainable training service for its research community which aligns with industry best practice. PAI-C provides Deakin with a great opportunity to achieve this goal by collaborating with other universities and leveraging the existing knowledge and work done by the initial IU PAI-C project.

Benefits of PAI-C development process

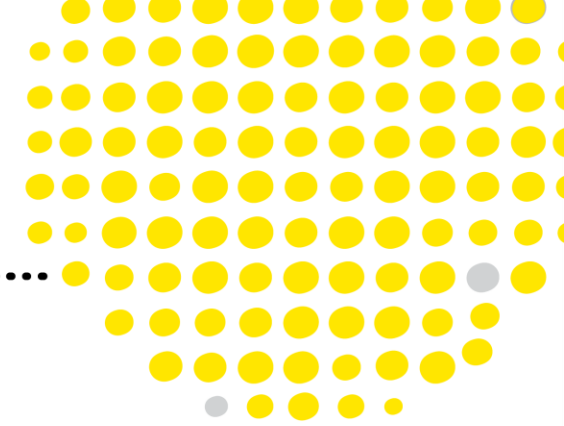
- Bring key stakeholders together from various portfolios across the University to work on a tangible RDM deliverable.
- PAI-C as a springboard to foster a shared understanding of RDM and build cross-institutional collaboration at Deakin (e.g. three data guides)
- PAI-C serves as an inspiration to develop RDM online training for other audiences.

Level of resourcing/effort required for PAI-C development

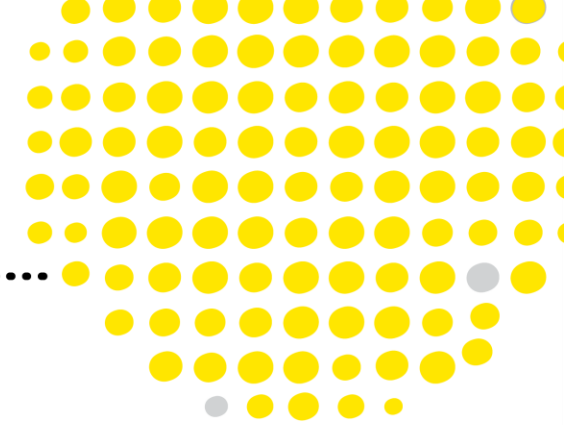
- High level of support from and collaboration within various Deakin internal divisions, including Digital Services, eResearch, Cyber Security, Research Office, Faculty Services and the Library.
- Support and collaboration with external partners, including ARDC's financial support, the PAI-C Project Lead's expertise and leadership throughout the development.

Challenges faced when developing PAI-C

- Finding personnel with the right technical skills and subject expertise has been the biggest challenges.
- Shifting institutional landscape for RDM at Deakin due to the continuous development with the Deakin RDM Taskforce.



- Motivation for adopting PAI-C
- Benefits of PAI-C development process
- Level of (internal/external) resourcing/effort required for PAI-C development
- Challenge(s) faced when developing PAI-C



Curtin PAI-C Development Experience

Motivation

- Potential of time savings from reusing material
- Contributing experiences

Key Benefits

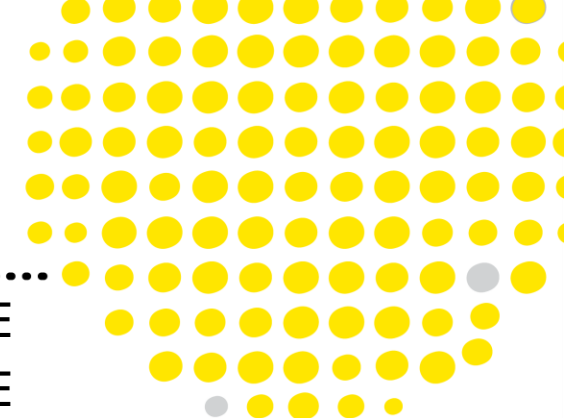
- Reinforcement of local systems/process knowledge for new staff
- Road testing data classification processes
- Focus group conversations

Resourcing/effort required

- HEW7 - 7 months @ 0.4FTE
- HEW6 - 5 months @ 0.4FTE
- HEW9 - ad hoc
- Plus: stakeholder support time and HDR focus group time

Challenges

- iSpring functionality
- Focus Group engagement and scheduling



Griffith PAI-C Development Experience

Motivation

- Potential scale up training to other research populations
- Increased economies of scale on data management infrastructure with researchers using storage more effectively and efficiently
- Increased collaboration by contributing and leveraging a standardised RDM framework across 25 universities

Key Benefits

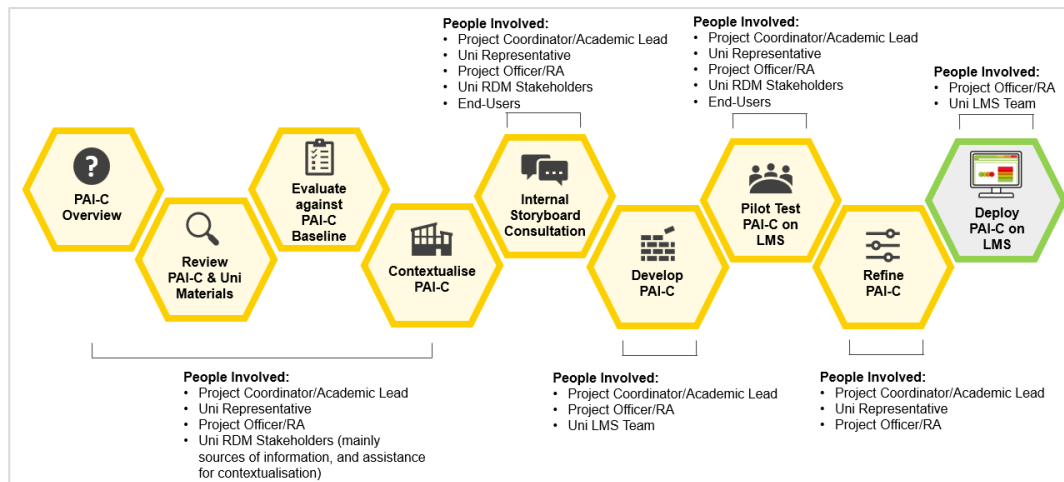
- Identifying existing gaps in RDM practices
- Identifying key stakeholders for future actions
- Creating a consistent message about Research Data Management across all departments
- Creating three data guides

- HEW8 - 8 months @ 0.6FTE
- HEW6 - 5 months @ 0.2FTE
- Plus: stakeholder support time and HDR focus group time

Challenges

- Being the only one using Articulate
- Big communication effort to get HDRs to sign up for Focus Groups

PAI-C Participatory Design Process



Adapted from
Chew et al. (2022)

PAI-C, More than RDM Training

1. 'Same Same, and Different'
2. Consensus Building around RDM enablers
3. Alignment of Policy, Processes & Systems (or Gaps Identification)



DRAFT PAI-C Sustainability Framework



Sustaining PAI-C (Feedback by 27 Oct)

[Framework for Sustaining a Principles Aligned Institutionally-Contextualised \(PAI-C\) Research Data Management Training \(RDM\) as a Baseline RDM Training for Australian Universities](#)



Key Considerations



The PAI-C Framework

1. What enablers are needed for other universities to adopt PAI-C?
2. Which universities have adopted PAI-C?
3. How is PAI-C being used across universities?
4. Who should be reviewing PAI-C based on an agreed review cycle?
5. If there are changes to PAI-C (e.g., from V1.0 to V1.1 or V2.0), how should the changes be communicated to universities who have adopted PAI-C?
6. What are the current supplementary (i.e. non-baseline) components/areas/topics for PAI-C?

1 Facilitating PAI-C Adoption

2 Tracking PAI-C Adoption & Impact

3 PAI-C Community of Practice (CoP)

4 RDM Training Syllabus



Discussion



PAI-C Discussion

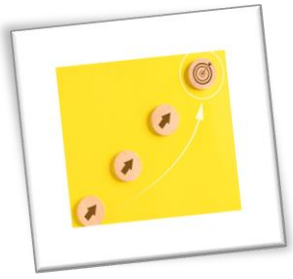
1. What would motivate you to adopt PAI-C?
2. What are some possible barriers for adopting PAI-C? (e.g. resistance at certain levels? key decision makers?).
3. What type of support/resources you will need to adopt PAI-C?
4. How would you like the PAI-C Community of Practice to support you to adopt PAI-C (or during your PAI-C development process)



[Link to Padlet](#)

PAI-C Community of Practice

- a. Universities who have adopted or intend to adopt PAI-C, are welcome to join the PAI-C CoP through expressions of interest.
- b. PAI-C CoP will meet every two months.
- c. PAI-C CoP will communicate PAI-C version changes, as part of the biannual review, to universities who have adopted PAI-C.
- d. PAI-C CoP will provide PAI-C resources upon request (see 3.1)
- e. PAI-C CoP will track PAI-C adoption and impact (see 3.2).
- f. PAI-C CoP will maintain/update ARDC webpage on PAI-C
- g. PAI-C CoP will also act as the Single Point of Contact (via a Teams Channel) to provide support/assistance to universities who are keen to adopt PAI-C. Support/Assistance can take the form of CoP members sharing their PAI-C experiences (e.g., how to use PAI-C for consensus building around RDM at their university)
- h. PAI-C CoP will use implementation data from universities who have adopted PAI-C (see 3.2) to communicate PAI-C impact/success to wider research community (e.g. eResearch conference)
- i. PAI-C CoP will oversee an RDM Training Syllabus (see 3.4) comprising of core baseline and supplementary non-baseline topics.



Project Team

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