Developing an RDM framework for all Australian Universities

ARDC's Institutional Underpinnings Program

10 February 2022

PRESENTED BY
Nichola Burton & Natasha Simons

Purpose

To provide Australian researchers with competitive advantage through data.
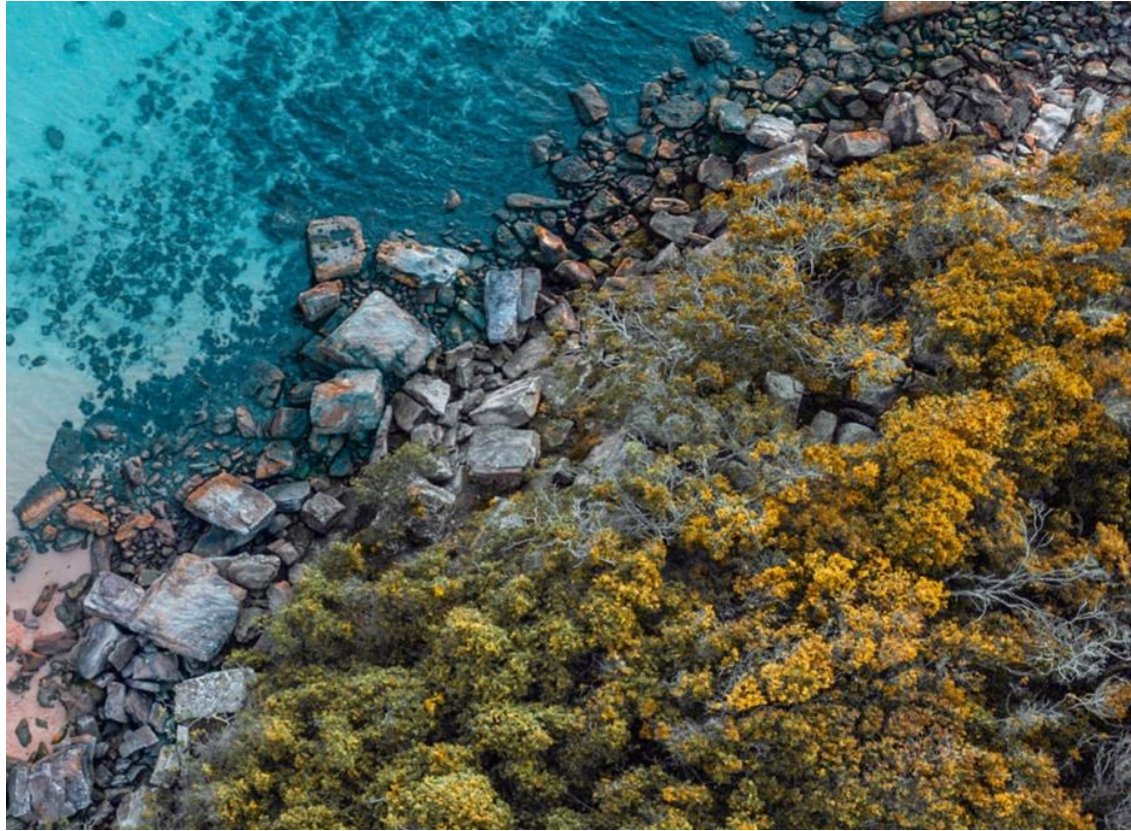
Mission

To accelerate research and innovation by driving excellence in the creation, analysis and retention of high-quality data assets.
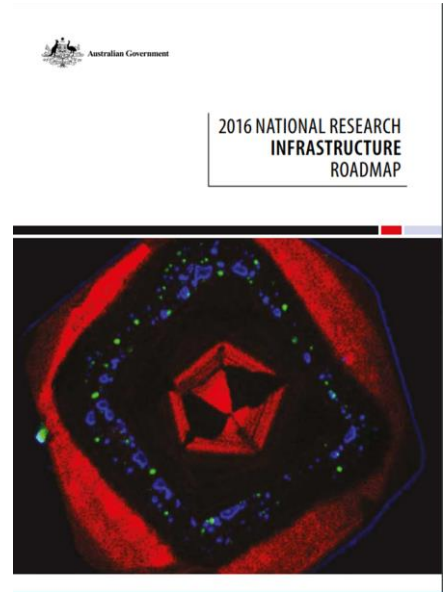
Institutional Underpinnings

ACKNOWLEDGEMENT OF COUNTRY

We acknowledge and celebrate the First Australians on whose traditional lands we meet, and we pay our respect to their elders past, present and emerging.

"...nationally significant assets, facilities and services to support leading edge research..."

Australian Research Data Commons

...transforming digital

infrastructure to support leading

edge research and innovation....

National Data Assets Initiative

2019-2023

Strategic partnerships with research communities and institutions to develop a portfolio of national-scale data assets that support leading edge research

- 6 programs
  - 59 projects
  - 200+ co-investment partners
  - Multi-million dollar investment
    - Institutional Underpinnings Program:
    - 25 universities, 1 research management framework

ADVANCING UNIVERSITY RDM TOGETHER

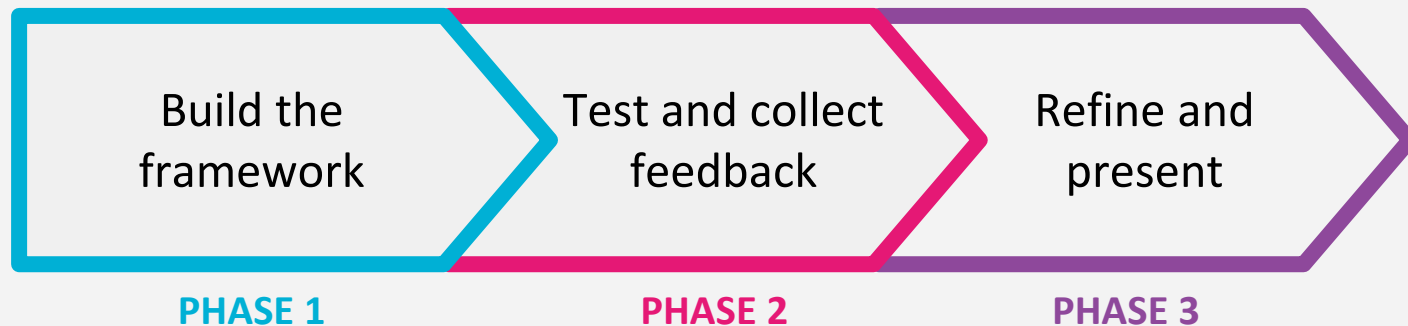**…by collectively developing a University RDM Framework to**

- Inform universities' design of policy, procedures, infrastructure and services
- Improve coordination of RDM within and between institutions

- While acknowledging differences in scale and maturity
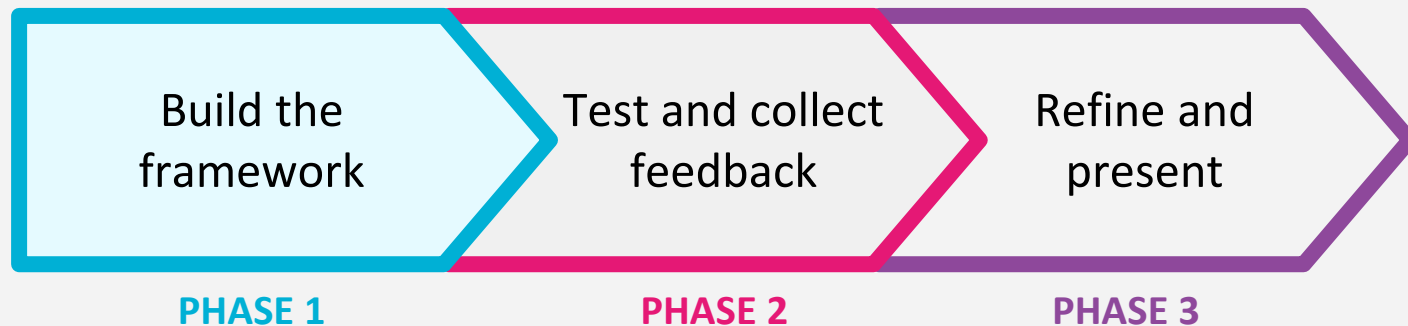
OUR APPROACH

Models of RDM already exist… so what is this for?

- Focus on addressing current institutional needs
- Make the most of working together
- "Complete and Perfect" is impossible - what is valuable?

PHASES OF THE PROGRAM

PHASES OF THE PROGRAM

Build the framework

Test and collect feedback

Refine and present

PHASE 1

PHASE 2

PHASE 3

REPRESENTING AUSTRALIA'S UNIVERSITIES

- All 43 Australian universities directly invited to contribute
- 30 unis participated in pre-program workshop to start to co-design desired outcomes
- 25 universities applied to participate - all successful

Participation in program at an institutional level - one lead representative, but with key contacts across university and mechanisms for within-university consultation

EDITORIAL COMMITTEE

Adele Haythornthwaite (University of Sydney)
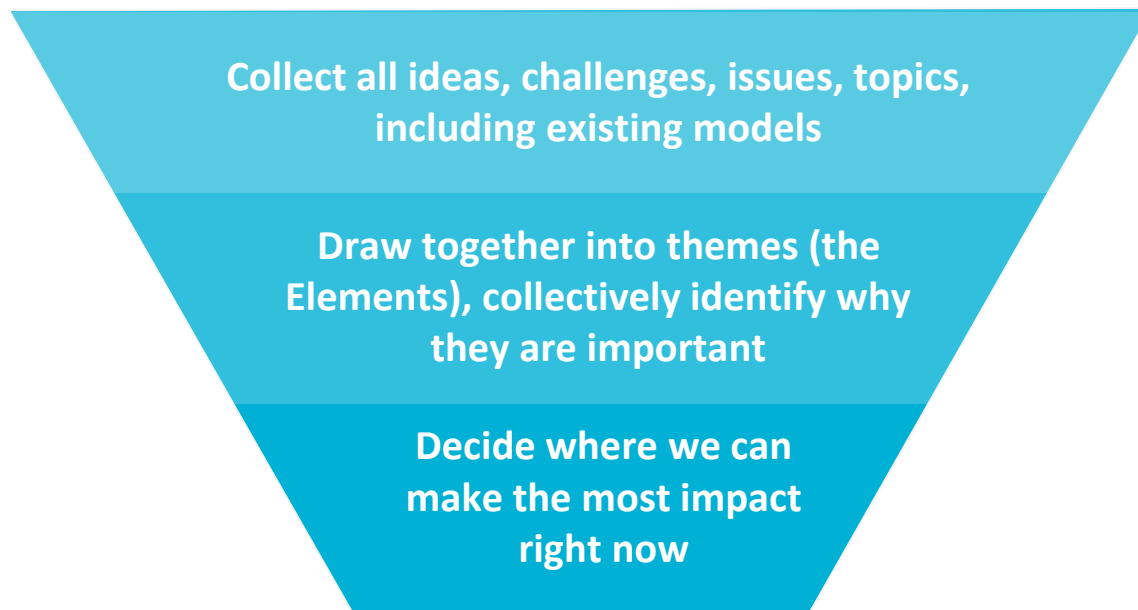Anesh Nair (University of Canberra)
Belinda Weaver (Griffith University)
Francis Gacenga (University of Southern Queensland)
Roxanne Missingham (Australian National University)
Shawn Ross (Macquarie University)

BUILDING THE FRAMEWORK

Collect all ideas, challenges, issues, topics, including existing models

Draw together into themes (the Elements), collectively identify why they are important

Decide where we can make the most impact right now

Institutional Underpinnings

RDM

Sensitive Data

Guidance

Compliance

RDM Culture Change

Publication and preservation

sensitive data

Institutional riskr

metadata

managing data storage

sensitive data

Research data handover

Preservation

data ownership

RDM culture change

RDM culture change

Managing risk

Preservation

Indigenous Data

Training (RISE)

sensitive data

Compliance

policy dev (RISE RPSI)

IT Infrastructure

disposal

data disposal

disposal

Include Primary materials

IT Infrastructure

Link with Research systems

Training RDM resource

Data Publishing and DOIs

Data description

policy dev (RISE RPSI)

sensitive data

Security Management (NSW/QLD)

Indigenous Data

Engagement and uptake

researcher culture and RDM

...elsewhere (reusable)

...n Workshop

disposal

best practice

RISE from DCC

NIST RDaF

Framework Elements

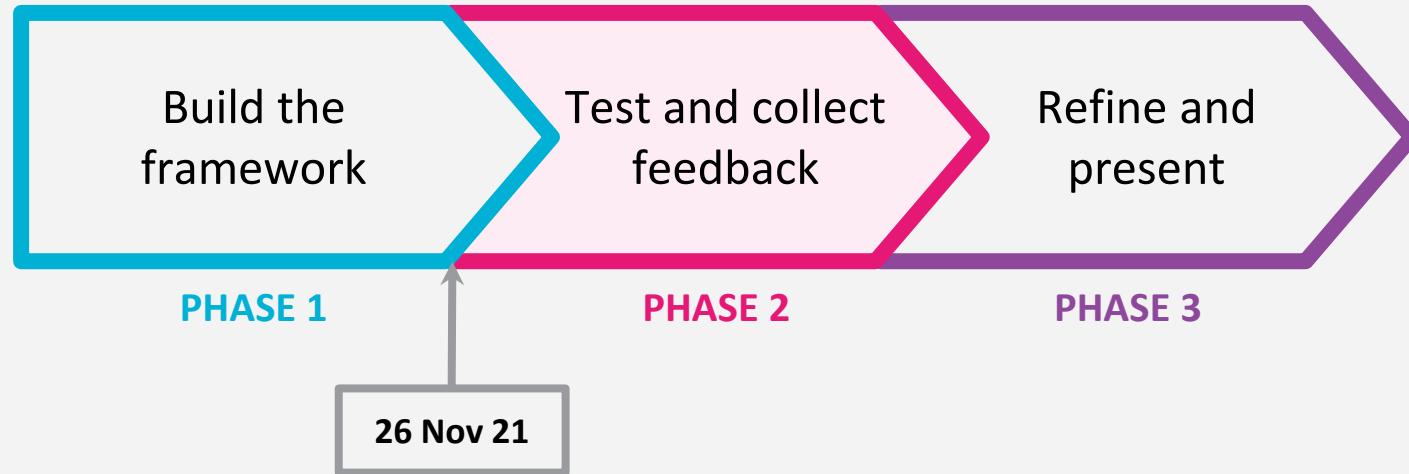|	
Culture Change	Data Ownership
Retention and Disposal	Identifiers and Metadata
Support, Training and Guidance	Funding and Sustainability
Data Management Planning	Standards and Guidelines
Sensitive Data	Cybersecurity
Active Data Management	Non-Digital Material
Sharing, Publication, and Open Research	Governance
Policy	Digital Preservation

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Framework Elements

Culture Change
Retention and Disposal
Support, Training and Guidance
Data Management Planning
Sensitive Data
Active Data Management
Sharing, Publication, and Open Research
Policy

Selected for development in Working Groups

- Commonalities and differences in need and approach
- Recommendations and advice
- Calls to action
- Case studies and other resources

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ARDC
Australian Research Data Commons

NCRIS
National Research
Infrastructure for Australia
An Australian Government Initiative

ARDC is
enabled
by NCRIS

PHASES OF THE PROGRAM

Build the framework

Test and collect feedback

Refine and present

PHASE 1

PHASE 2

PHASE 3

26 Nov 21

LOCAL IMPLEMENTATIONS OF THE FRAMEWORK

Universities test an aspect of the framework locally

- 22 projects (2 collaborations between universities)
- Leveraging current work for best engagement and outcomes
- Provide feedback on framework
- Produce reusable outputs for other unis
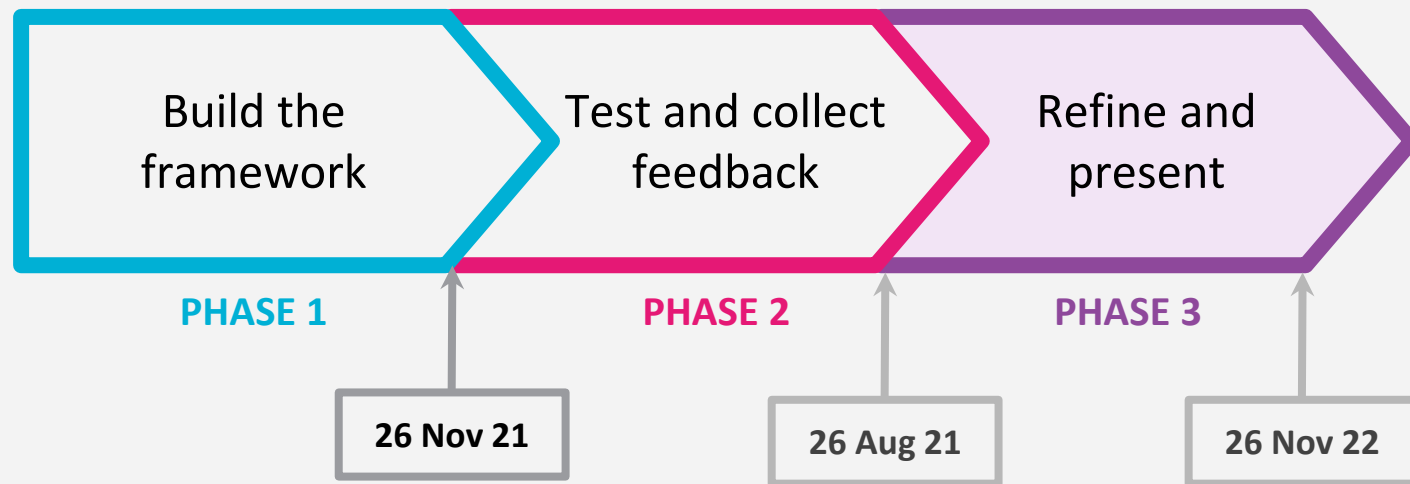
Related projects clustered together to share throughout process

FEEDBACK FROM SECTOR CONSULTATION

Aims:

- Share our work so far with the sector
- Collect input from external stakeholders, including:
    - Non-participating Australian universities
    - Funders and peak bodies
    - Other research institutions

Mid-March to late May

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PRESENTED BY

Natasha Simons
Associate Director,
Data & Services, *ARDC*

Nichola Burton
Data Technologist, *ARDC*

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🌐 ardc.edu.au

✉ contact@ardc.edu.au

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