

# Managing Research Data

Joining Cultural and Technical Infrastructures

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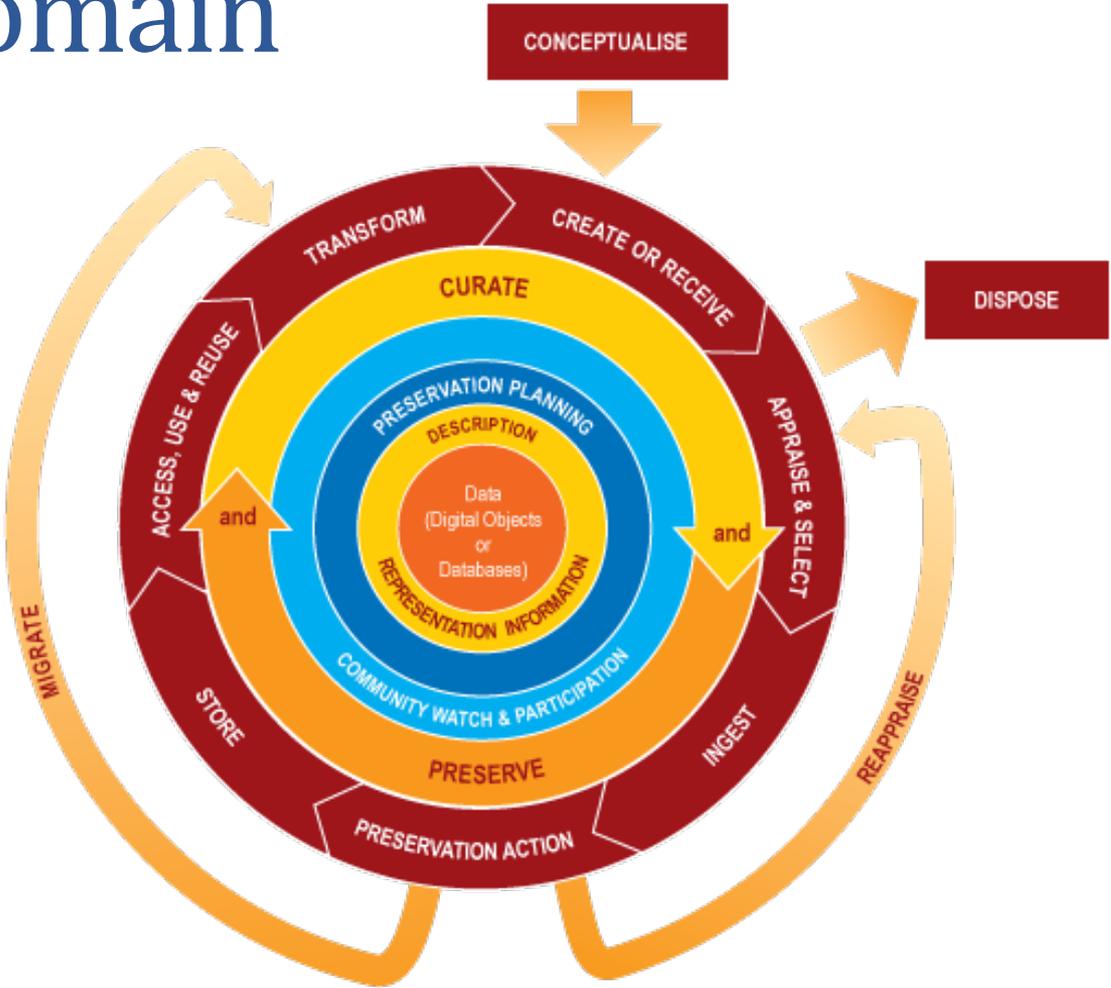
# CONZUL: Council of NZ University Libraries

- Sub committee of Universities New Zealand
  - Umbrella organisation for all NZ universities
- Similar sub-committee on Information Technology

# Task

- Provide to CONZUL members
  - Framework on RDM that will provide advice on “management and preservation of research data objects from NZ research activities”
- Recognise and accommodate the scope and tasks to stakeholders beyond Universities NZ.

# Domain



<http://www.dcc.ac.uk/resources/curation-lifecycle-model>

# “...no man is an island...”

- CONZUL working group
- Gillian Elliot : University of OTAGO
- Brian Flahery: University of AUCKLAND
- Mike Kemic: University of VICTORIA
- Shari Hearne: AUCKLAND University of Technology
- Erin Talia-Skinner: LINCOLN University
- Heather Lamond: MASSEY University
- Helen Lynch: University of WAIKATO
- Janette Nicol: University of CANTERBURY

# Report to CONZUL

- Available from Universities NZ website (will be shortly)

# Triumvirate of RDM

## University Concepts

- Information
  - Representation
- Technology
  - Infrastructure
- Administration
  - Management



## Approach

- Benefits register
- Modular solutions to benefits
- Principles of operation
- Policy consideration

# Present all Recommendations

## Complete text in **BLACK**

- Necessary language

## Salient point in **RED**

- Point to consider and discuss

# Recommendation 1: Stakeholders

- *CONZUL members, in partnership with local institutional stakeholders representing libraries, ICT and Research Offices, should actively lead engagement to establish RDM services supporting the research data lifecycle. These working groups should **invest in establishing a local service profile based on institutional need** composed of institutional, discipline-based, national or commercial services.*

# Recommendation 2: Needs

- *Solutions to realise the benefits of RDM already exist at some institutions. CONZUL members should determine which benefits offer the best value for investment particular to their specific needs and commit to solutions that best realise these benefits*

# Recommendation 3: Standards

- *CONZUL member institutions should **adopt ORCiD as a unique identifier of individuals** and support national activity to enable this. CONZUL member institutions should **adopt DataCite as a national data citation standard for research data objects** and support national activity to enable this. More extensive discipline specific metadata can be incorporated into these standards as required.*

# Recommendation 4: Registry

- *CONZUL should undertake a feasibility study to investigate and appraise **potential national data registry** platforms in two phases. First, a six-month project to investigate and test approaches for a registry and discovery service and second, a pilot of the preferred option. The study should investigate the extensibility of local solutions as both a metadata store for an institutional data registry and as harvestable metadata sources.*

# Recommendation 5: Ownership

- *CONZUL should establish a position statement on research data licensing that encourages data sharing and reuse to the widest possible audience. This may be via an existing initiative, committee or national programme like eResearch2020 or UNZ's Copyright Working Group. The impact of licensing is such that a limited stakeholder group should be consulted to focus licensing concerns on specific needs of NZ research organisations promoting research data sharing and reuse.*

# Recommendation 6: Planning

- *In anticipation of growing publisher and funder requirements on **data management planning** CONZUL members should develop mechanisms and tools encouraging researchers to write and follow data management plans. For example connecting DMPs with easier access to storage and use of computational functionality and publication.*

# Recommendation 7: Community

- *CONZUL should endorse the **creation of an RDM 'Community of Interest' open to all interested parties**. This could be achieved by aligning with existing groups such as the Institutional Repository community or by establishing a specific RDM community.*

# Recommendation 8: Emergence

- *CONZUL should lobby library education providers and professional associations to deliver training commensurate with the **emerging roles in RDM** as outlined in the sample job description (Appendix 2).*

# Recommendation 9: Principles

- *CONZUL members should accept **the principles and policy** framework presented in this report to inform development of local research data policy in partnership with ICT, Research Offices and other key stakeholders*

# Recommendation 10: Services

- *CONZUL members should work in partnership with ICT and other institutional stakeholders to implement **a local research data repository solution**. This would necessitate adoption of the recommended metadata standards to describe research data and researcher identity, i.e. via DataCite and ORCID.*

# Moving forward

- Continue the working group to address deeper issues with Recommendations 4 and 5.
  - Feasibility study for a inter-university research data registry
  - Deeper discussion on ownership, licensing and secondary use of research data products
- We welcome participation from all interested stakeholders

# Thank you

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- Universities NZ