

Seeding the Australian Data Commons by blurring the boundaries

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Overview

- Seeing the boundaries
- Seeing the possibilities
- Engaging researchers
- Research data registry
- The registry in action
- Building identity Internal and external drivers



- Research reporting
- Institutional marketing
- HR data
- Finance data
- Research data compliance
- Research data storage
- Public researcher identity
- Researcher collaboration
- Data commons



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Seeing the Possibilities - Compliance

- Policy 2005, review 2009
 - Good start but not enough
- Audit 2007, 2009
 - Policy and compliance is off the radar for most
 - Compliance patchy
 - Storage ad hoc
 - Local registers
 - Risk management

Central resources are the missing key to enabling compliance

- Central storage a petabyte-scale Research Data Centre for Parkville Precinct
- A Central research data registry



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What is a Central Research Data Registry?

- Definition This is an institution-wide record of all research data and records stored in the university. At a minimum, the Central Registry will include a description of the research data and records, the name(s) of associated researchers and projects, the location of the data (digital and analogue), access restrictions, and relocation and disposal schedules.
- Intended scale (biggish)



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- A central research data registry happens in the context of a richly described research context:
- Grants, Publications, Research Program, External and Internal Researchers, and departments
- All of this information exists and should be reused in the registry...
- Should not be an information silo



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Building the registry

Piggybacking on our public researcher profile system - 'find an expert' dataset...

http://www.findanexpert.unimelb.edu.au/



- From Publications to Research data Sets
 - The initial process
 - The output

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Feedback from the Faculty (so far)







Multiple Purposes for the same research data registry

Profiling our research

- Internal drivers
- National drivers
- Global drivers

University Plan 2009: Agree and implement cross-disciplinary and cross-faculty research themes for strategic focus and investment as part of a research strategy

Problem: How to create identity around a cross disciplinary theme?



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Internal Drivers: How to create identity around a cross disciplinary theme?

Strategy 1

 Use the cohort of researchers defined by a research theme to define a customized 'find an expert' portal...



Strategy 2

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• Use the collection of research data 'assets' associated with researchers in the theme to aid collaboration discovery and help reinforce identity

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External Drivers: ANDS

- In the process of recording research records, we are encouraging researchers to let high level metadata associated with their project be made available to the data commons.
- The case to do this is particularly strong for research themes
- Variable reception across/within disciplines



A coordinated approach to seeding the commons





Challenges

- Current versus eternal research records
- Retrospective task is massive
- Cultural barriers
- Suspicion of role and purpose of a Data Commons
 - Untested
 - Competes with discipline based 'Commons'



- We have deliberately completed this work with the idea that what we do can be adopted up by other research organisations
- We would love to hear from you if you want to explore options further
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 - annams@unimelb.edu.au