Connecting the dots to unify research data and metadata

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Agenda

- ANDS projects at Curtin University
- Principles of the ANDS projects@Curtin University
- Walkthrough: a researcher’s perspective
- Enhancing research at Curtin University

ANDS projects at Curtin University

- Data Capture
- Seeding the Commons
- University Research Data Management System (URDMS)
Curtin University’s view of the project’s deliverables

- Data management plan
- Research Project Site
- Metadata Hub
- Training and tutorial
- Policies and guidelines

URDMS is a collaborative effort

- Curtin IT Services (CITS)
- The Library
- Office of Research and Development (ORD)
- University Information Management (UIM)
Principles of URDMS

- Streamline researcher experience
- Every piece of information is valuable
- Holistic approach to research data management
- Visibility of research data and metadata

Data Management Plan

- DMP is web form
- Connected to Research Management System
Data Management Plan

- 5 section web form
- Save as you go
- Response capture as checkboxes and radio buttons

Data Management Plan

- Built-in help guides
- Bonus feature: Use existing DMP as a template
### Guiding the development of the DMP

<table>
<thead>
<tr>
<th>Library</th>
<th>CITS</th>
<th>UIM</th>
<th>ORD</th>
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<tr>
<td>Library</td>
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<td>Data security</td>
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<td>ORD</td>
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<td>Data sharing policies</td>
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CITS = Curtin IT Services  
UIM = University Information Management  
ORD = Office of Research and Development

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### Research Project Site creation

- Automated provisioning of project sites

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7/11/2011
Research Project Site

- Collaborative project site created in Microsoft SharePoint
- Leverages institutional SharePoint infrastructure

Research Project Site

- Deposit PDF of DMP to project site
- Every updated version of DMP gets deposited in project site
Research Project Site

- Standard research template for all research project sites
- Application of Curtin Common Vocabulary
- Connects to external storage locations

Connecting Project Site to Metadata Hub

- Auto-population of dataset description from DMP
- Auto-population of some fields for all dataset description
- Quality Assurance
- Contracts and confidentiality checks
- Transparency of the approvals process
Metadata Hub

- Ingests data from various institutional systems
  - Research Project Site
  - Research Management System
  - Human Resource System
- VIVO@Curtin
- Widely used and has strong national community

Capturing research data information

Data management plan

Research Management System

Research Project Site

Metadata hub

Australian Research Data Commons
Overall system design

- Data Management Plan Tool
- Research Project Site
- Metadata Hub
- ARDC

Research support staff

Data Storage 1
Data Storage 2
Data Storage n

Data Management
- Plan Tool
- Data description
- Access Security
- Milestones
- Organisation
- Archival Preservation

Research Project Site
- Data description
- Access management
- Notifications
- Information management
- Workflow
- Data connectors

Reusable and connectable
Manageable and discoverable

How will this enhance research at Curtin University?

- Reusable and connectable
- Manageable and discoverable
- Enhance research process and data management best practices. Improve understanding of the research landscape at Curtin University
- Assist in research capacity planning and shaping research landscape at Curtin University
Is this just more admin work?

thank you

Q&A