Planning & Designing the UWA Institutional Repository

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Topics

• NEER
• PioNEER
• Selection of DigiTool
• Institutional Repository
• Institutional Repository – ERA Stage
• Institutional Repository – Stage 2 (the real IR)

NEER

• Network for Early European Research
• Funded by Australian Research Council
• Research into culture of Europe between 5th and 19th centuries
• Memorandum of Understanding for research repository between the ARC and UWA 2007
PioNEER

- Project Brief June 2006
- Objective
  - "...to implement a repository within which to archive the digital research outputs of the ARC Network for Early European Research."

PioNEER

Scope
- Review of existing software packages
- Selection and purchase of a suitable software package
- Selection and purchase of hardware and system software
- Installation of the software
- Configuration of the software to the University's requirements

PioNEER

Background statement
- "In 2006 two primary needs have been identified. The first is for a repository of research output specifically in the context of the requirements (when they become clear) of the Research Quality Framework."
PioNEER

Background statement

- “The second is for a discipline-based (rather than an institutionally-based) approach to a repository of research materials and research output.”

PioNEER

Exclusions

- “The project will not consider support for the Research Quality Framework.”
- “Support for other forms of institutional repositories such as those containing e-prints and digital theses will not be considered, unless the requirements for these are already known.”

PioNEER

Project Plan June 2006

- Stage 1 – Selection – June-November 2006
- Stage 2 – Implementation – November-June 2007
- Stage 3 – Customisation – July-September 2007
- Stage 4 – Population – September-December 2007
PioNEER

End of Project Report August 2009
- Stage 3 – Delayed until August 2009
- Slippage caused by
  - Changes of staff
  - Restructure to ITS
  - Lack of DigiTool training

Selection of DigiTool

Recommendation to Purchase October 2006
Systems evaluated
- DigiTool
- dSpace
- Fez-Fedora
- Harvest Road Hive
- Symposia
- VITAL

Selection of DigiTool

Open source product considered risky
- dSpace
- Fez_Fedora
Institutional Repository

Project Brief November 2008

Objective
"to implement an institutional repository that will store and make accessible the University’s research output. The goal is to assist in increasing the citation rates of UWA research output by making it more openly accessible on the world wide web."

Institutional Repository

Business Case
• ASHER funding
• Requirements of ERA
• Central storage and discovery area for all research output
• Increasing impetus to provide open access to publicly funded research output
• Increase research citation rates

Institutional Repository

Options Considered
• Host a repository on existing infrastructure (ie Digitool)
• Use an open source application eg Fedora, DSpace or Eprints
• Use another proprietary application
Institutional Repository

Exclusions
• The repository will not act as an a long term archival tool
• The repository will not store the University’s data sets
• The repository will not act as a data store
• University’s entire research output will be not published into the repository

Institutional Repository – ERA Stage

Project Kickoff April 2009
Short Term Goal
Implement an repository that will meet the ERA trial Requirements

Long Term Goal
Establish an institutional repository to store and make accessible the University’s research outputs on the World Wide Web which will assist in increasing the citation rates of UWA research outputs.

Institutional Repository – ERA Stage

Project Plan
• Stage 1 – Planning – 29 April 2009
• Stage 2 – Design – 13 May 2009
• Stage 3 – Implementation – 20 May 2009
• Stage 4 – Population – 28 July 2009
Institutional Repository – ERA Stage

Interface Design

Institutional Repository – Stage 2

Project Plan September 2009

Objectives

“Stage 2 of the project is to extend current portfolio of the repository to store wider range of research outputs and make them openly accessible to the world. The goal is to assist in increasing the citation rates of the UWA research outputs and promote University research profiles through the exposure of research outputs via Google Scholar and other online federated search systems.”

Institutional Repository – Stage 2

Scope

• Develop a new web interface for the repository
• Integrate the repository with Research Publication Database, which is an authoritative source of research outputs from the University
• Publish 300 post print version of the designated research outputs created in 2008 into the repository. (The Thermopylae project?)
Institutional Repository – Stage 2

Scope
- Enable indexing by Google, Google Scholar and other federated search systems (e.g. Australian Research Online, OAlster)
- Replace existing UWA theses database with the repository
- Migrate existing theses (~1000) to the repository

Institutional Repository – Stage 2

Interfaces

Institutional Repository – Stage 2

Constraints
- Author consent to publish in the repository
- Quality of the metadata
- Availability of the resources
- Library cataloguing and subject analysis skill and experience
- Availability of ongoing funding to the operational use of the repository
- Stakeholders
Institutional Repository – Stage 2

Timelines
1. Planning and preparation - 31 Aug 09 - 22 Oct 09
2. Design the system - 21 Oct 09 - 17 Dec 09
3. Implementation & testing - 17 Dec 09 - 17 Feb 10
4. Replace theses DB - 14 Jan 10 - 5 Feb 10
5. Implement web interface - 17 Dec 09 - 17 Feb 10
6. Populate – 5 Mar 10 – 13 Apr 10
7. Completion & reporting – 13 Apr 10 – 5 May 10

Institutional Repository – Stage 2

Timelines
Planning and preparation
1. Estimation and planning - 31 Aug 09 – 18 Sep 09
2. Functional requirements - 5 Oct 09 – 19 Oct 09
3. Review functional requirements - 19 Oct 09 – 21 Oct 09
4. Set up environment – 21 Oct 09 – 22 Oct 09

Institutional Repository – Stage 2

Timelines
Design the system – Peer Reviewed/Published Publications
1. Determine metadata – 21 Oct 09 – 28 Oct 09
2. Proof of concept – 28 Oct 09 – 4 Nov 09
Institutional Repository – Stage 2

Timelines
Design the system – Theses
1. Determine metadata – 21 Oct 09 – 23 Oct 09

Institutional Repository – Stage 2

Timelines
Design the system – General
1. System design document – 4 Nov 09 – 9 Nov 09
2. Review system design – 9 Nov 09 – 10 Nov 09

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Any questions?

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