The Australian Partnership for Sustainable Repositories

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Digital Futures Industry Briefing

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APSР Partners

The Australian National University
The University of Sydney
The University of Queensland
The National Library of Australia
The Australian Partnership for Advanced Computing

Associates:
A Partnership to Promote Excellence in Managing Digital Collections

- Document best practice
- Address strategic issues
- Stimulate and share experience
- Consider the Australian context
A Partnership to Promote Excellence in Managing Digital Collections

- Document best practice
- Address strategic issues
- Stimulate and share
- Provide advice

- Publications
- Development
- Outreach
- Consultancy
An Innovative Action Plan for the Future

The Systemic Infrastructure Initiative

Supported by:

The Australian Government
Department of Education, Science, and Training

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<th>Year</th>
<th>Amount</th>
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<td>2007</td>
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Sustainable Repositories?

- Manageable
- Integrated
- Accessible
- Cost effective
- Preservable
- Relevant
  - To management
  - To academic staff
Repositories that Sustain?

- Sustain information “beyond the life of the underlying technology”.
- Have “Preservation Strategies”
National Outreach

As a national program, APSR provides a nationwide outreach program for the benefit of all Australian universities. Other repository services, in both public and private sectors, have also benefited.
Why Sustainability?

“Sustainability . . . refers to all the considerations that go into maintaining the institutional context for creation and maintenance of digital objects and resources, and supporting . . . long-term viability”

Aim: To specify requirements for the collection of metadata for preservation management purposes and help these be applied to selected repository implementations of APSR partners.
AONS
Automated Obsolescence Notification System
FIDAS
Fieldwork Data Sustainability
Sustainability of Word-Processing Documents
AERES
Australian eResearch Sustainability Survey

Aim: To survey data-intensive communities with a view to establishing current capabilities for the storage, access, and long term management of research data.
The APSR Roadmap - Looking ahead

• The Emerging Research Information Environment
• Human Infrastructures
• Cohesion and Collaboration in the Sector
• Whither the Digital Collection?
APSR Strategic Objectives 2006-7

- Augment interoperability & integration
- Provide infrastructure and services for digital collections
- Facilitate eResearch
- Enable research reporting
Principles

- **Interoperable:** must use common interfaces, protocols and standards
- **Platform-Independent:** must work with DSpace and Fez-Fedora
- **Reusable:** must be documented and ‘packaged’ for download/distribution
- **Strategic:** must align with DEST/JISC e-Framework and related interoperability initiatives (e.g. Pathways Initiative)
- **Presentable:** must be presented, demonstrated, publicised etc. through APSR Outreach events
Repository interoperability & integration

- repository integration with common research tools
- standard repository content models and presentation definitions
- an APSR repository interchange profile
- defining standard software interfaces for repositories
Infrastructure and Services for Digital Collections

- Collection discovery & access services
- Format registry & obsolescence notification services
- Repository statistics services
- Repository technical support services
Questions?