

# Sustaining repositories and middleware

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- Objects and data
- The experience
- The business





- Objects and data
  - Choice
  - Integrity
  - Preservation
- The experience
- The business





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- Objects and data
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- The experience
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Clobal Format Registry

Conversion to standard formats

Metadata extraction tools

<sup>'-</sup> "Preservation needed" notification





- Objects and data
- The experience
  - ► Intellectual content ---- Migration on ingest
  - Delivering now
  - Delivering later
- The business





- Objects and data
- The experience
  - Intellectual content

  - Delivering later
- The business





- Objects and data
- The experience
  - Intellectual content
  - Delivering now
- The business





- Objects and data
- The experience
- The business
  - Ownership
  - Attracting contributors
  - Ongoing support

Making life easy

├ By-product or integrated

<sup>L</sup>- Authorising update





- Objects and data
- The experience
- The business
  - Ownership
  - Attracting contributors Core business
  - Ongoing support ---- + Essential tool ----- Valued service

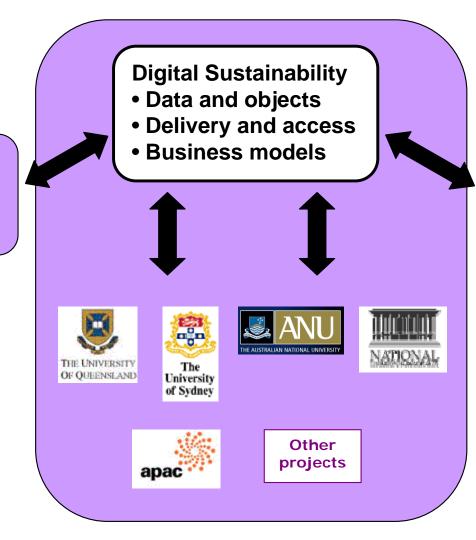




### **APSR** program

#### **National Services Program**

- Expertise network
- Sector-wide services
- Discussion forums
- Activity maps



#### International Linkages Program

- Standards
- Rights
- Middleware
- Data grids





### University of Sydney testbed

- A distributed repository model to develop:
  - protocols for the continuity of large complex multi-format/media repositories
  - middleware and tools that enable sustainability, growth and functionality





## **University of Sydney testbed**

- GIS digitiser
  - Contextualise with maps
  - From PARADISEC to location of language group
  - Enables growth and functionality for sustainability







### **University of Queensland**

- An integrated gateway to a range of repositories of research output to:
  - encourage better reporting of academic research outputs
  - facilitate access to information about Australian research

CYBRARY eScholarship@UQ





### **University of Queensland**

- Tool to extract digital theses records and process them into the Public Knowledge Project's OAI harvester gateway
  - One entry, multiple uses
  - Valued service

CYBRARY eScholarship@UQ





### **Australian National University**

- An open source repository infrastructure to address Australian university needs to manage digital assets, including:
  - mechanisms to build effective partnerships with academics for the management of their digital assets
  - participation in federation services



# **Australian National University**

- People of the Rivermouth
  - Investigating generic processor before ingest into DSpace
  - Use Cocoon for presentation pipeline
  - Keeps material safely stored for future re-use





### **National services**

- Provide the national teaching and research sector with:
  - technical advisory service
  - knowledge transfer and educational services
  - services







### International linkages

- Participate and contribute to:
  - the development of international standards
  - selected international programs
- Maintain a technology watching brief across a wide range of international programs





### Middleware and sustainability

- Separation of concerns into manageable chunks
- Skills transfer to researchers is functional
- Useable services help business sustainability
- Standards based
- Test against different repositories
- Inform structural development of repositories





### **More information**

Newsletter

www.apsr.edu.au/news/index.html

Websites

www.apsr.edu.au

www.library.uq.edu.au/escholarship

Sorrt.library.usyd.edu.au

info.anu.edu.au/doi/drs/index.asp

