



APSR - Preserving the past: maintaining the future

Margaret Henty
National Services Program
Coordinator, APSR

APSR

The Australian National University

The University of Sydney

The University of Queensland

The National Library of Australia

The Australian Partnership for Advanced Computing



Supported by:



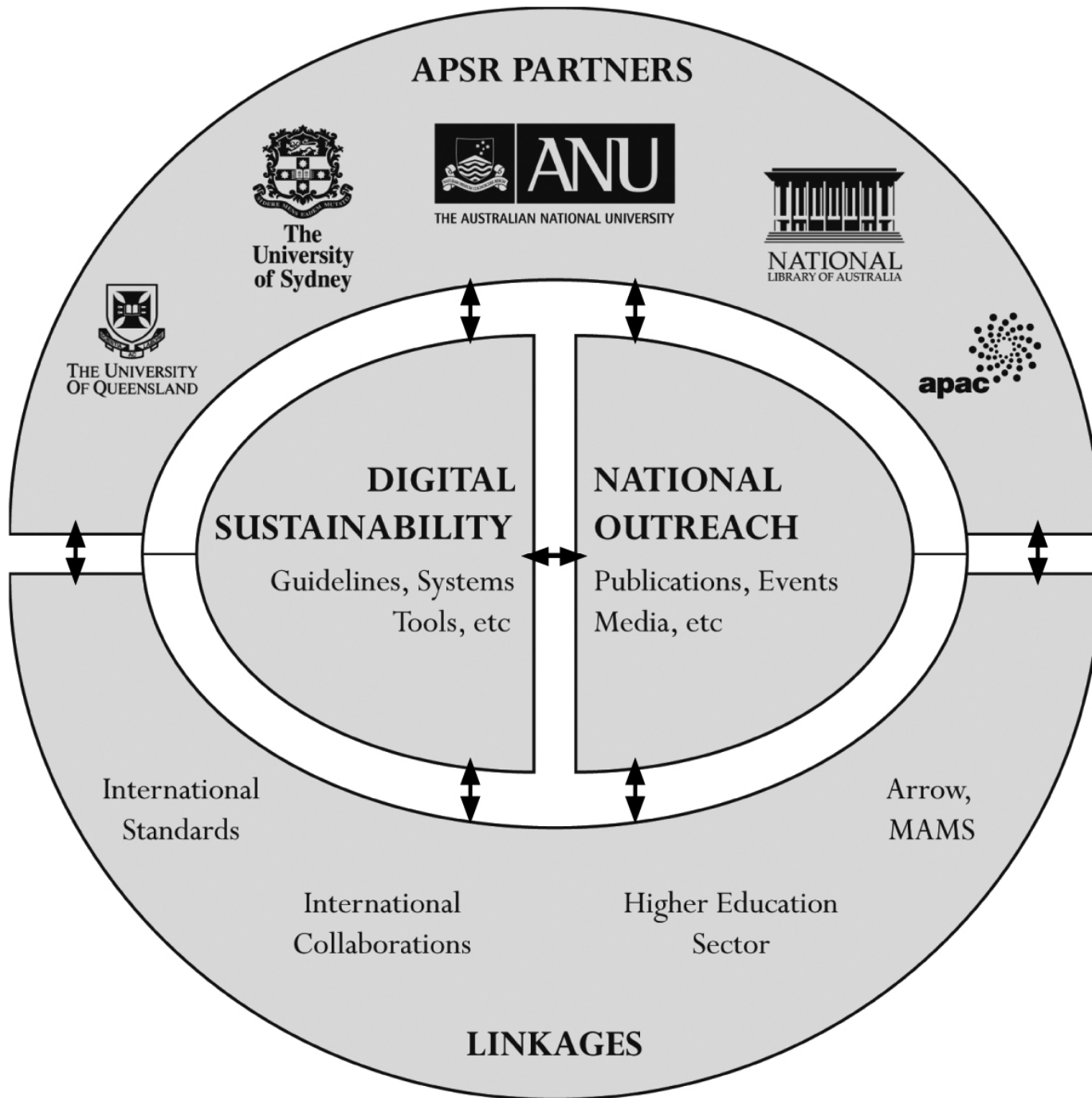
An Innovative Action Plan for the Future

The Systemic Infrastructure Initiative



What APSR is...

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





Priority Projects S2 2005

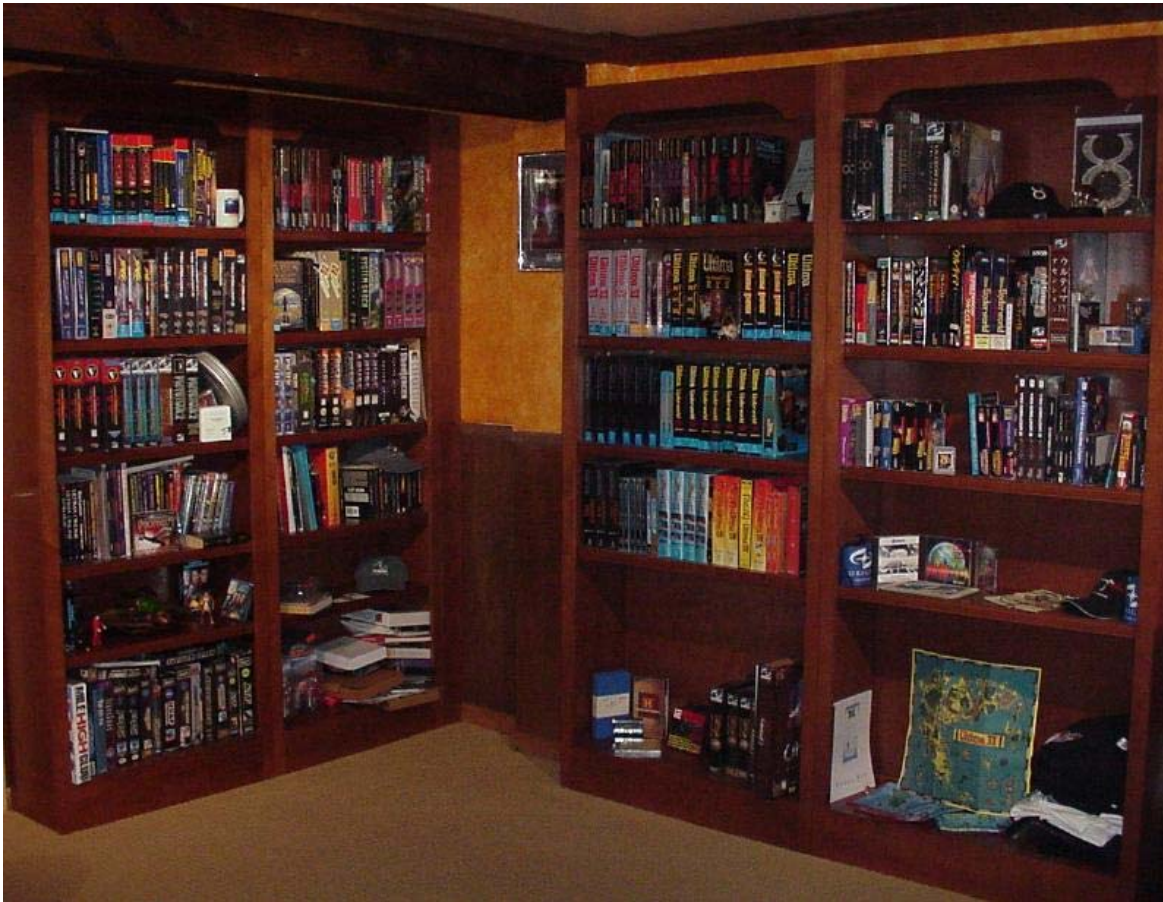
- Sustainable models for large data sets
- Cost models and business models for digital repositories
- Good practice for byte stream storage
- Risk assessment models



Repository software

- Archimede
- bepress
- CDSware
- CONTENTdm
- DSpace
- Fedora
- Greenstone
- Open Repository

What is an institutional repository?



“An institutional repository is a database with a set of services to capture, store, index, preserve and redistribute a university’s scholarly research in digital formats.”

Source: LEADIRS Workbook, MIT

...digital repositories

Table 1: Academic institutional Repositories; state of the art in 13 countries - June 2005

Countries	Number of IRs	Number of universities	Percentage of universities with an IR	Average number of documents per IR
Australia	37	39	95	n.r.
Belgium	8	15	53	450
Canada	31	n.r.	-	500
Denmark	6	12	50	n.r.
Finland	1	21	5	n.r.
France	23	85	27	1000
Germany	103	80	100	300
Italy	17	77	22	300
Norway	7	6	100	n.r.
Sweden	25	39	64	400
The Netherlands	16	13	100	3,000 / 12,500
United Kingdom	31	144	22	240
United States of America	n.r.	261	-	n.r.

Gerard van Westrienen and Clifford Lynch. Academic Institutional Repositories Deployment Status in 13 Nations as of Mid 2005. D-Lib Magazine, September 2005.



Scholarly Communications

- Changing information seeking practices
 - The *Amazoogleybay* phenomenon
- eResearch
 - National and international research collaborations
 - Grid Computing/Cyberinfrastructure
- New epublication types, outlets and economics



'Born Digital' Resources

- Data sets
- Communications (email, discussion forums etc,)
- New publications (eTheses, ePrints, eBooks, etc.)
- New environments (Wiki, Blogs, eLearning Systems, Digital Video, Computer Games, Virtual Reality Environments etc.)

What does this mean for researchers

- Open Access (OA) articles are cited between 2.5 and 5.8 times MORE than the non-OA articles
- Overall, citations to online articles are 2.6 times greater than offline articles. On a year by year basis, online articles are cited 4.5 times more often than offline articles
- Restrictive access policies cut readership of electronic research journal articles by a factor of two

Source: Danny Kingsley, July 2005

Research Data Collections Survey - formats

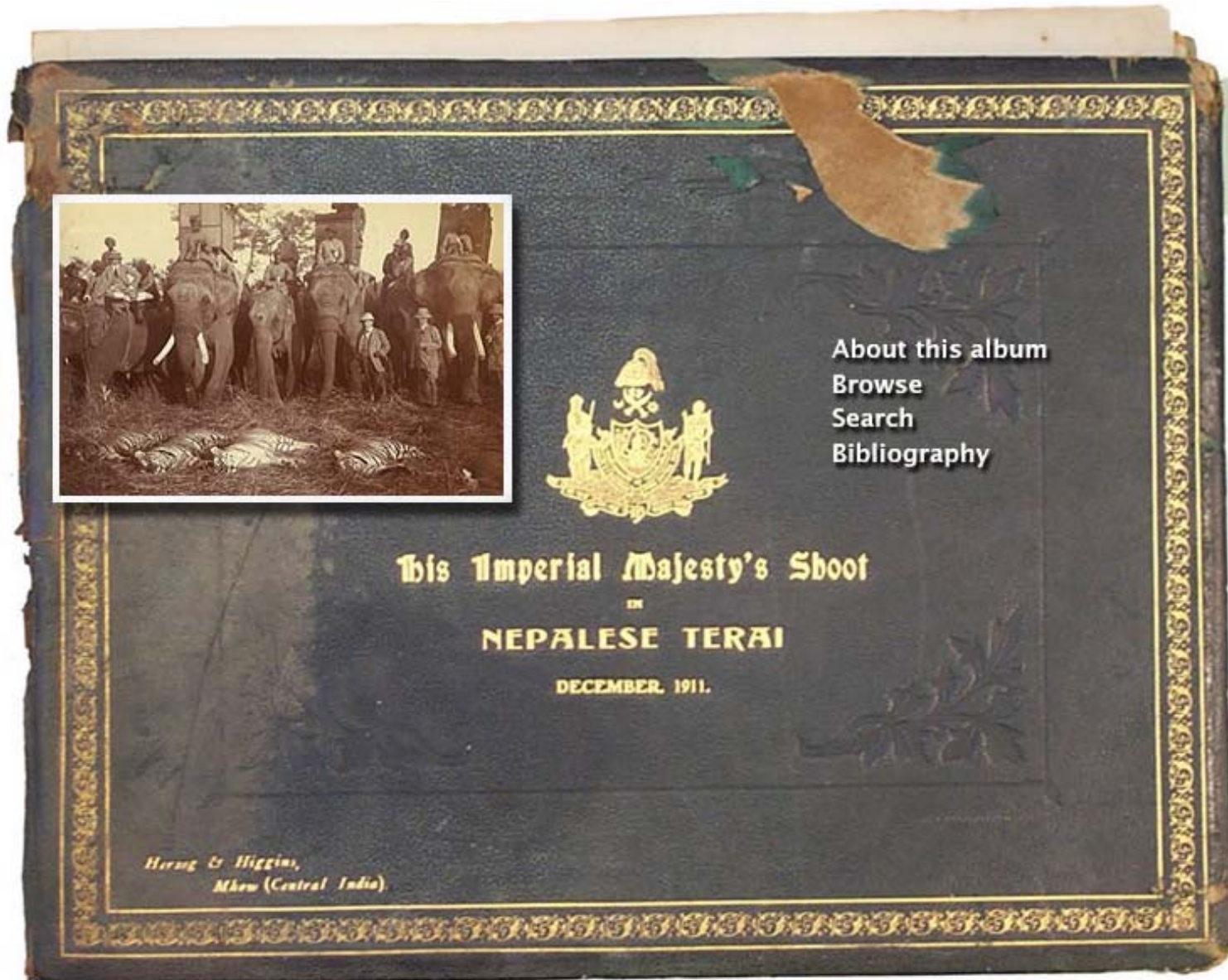
ANU and USyd	Open	Proprietary	Other
Formats used to access data	Jpeg, html, xml, tiff, txt, png, seed, sac, zdf, fits, gif	Pdf, bwf, wav, doc, mps, mpeg2, xls, gcg,	Application specific community developed format for physics
Formats used to store data	Tiff, xml, ascii, html, png, seed, sac, zdf, fits, gif	Pdf, bwf, wav, doc, mps, mpeg2, xls, gcg	Application specific community developed format for physics



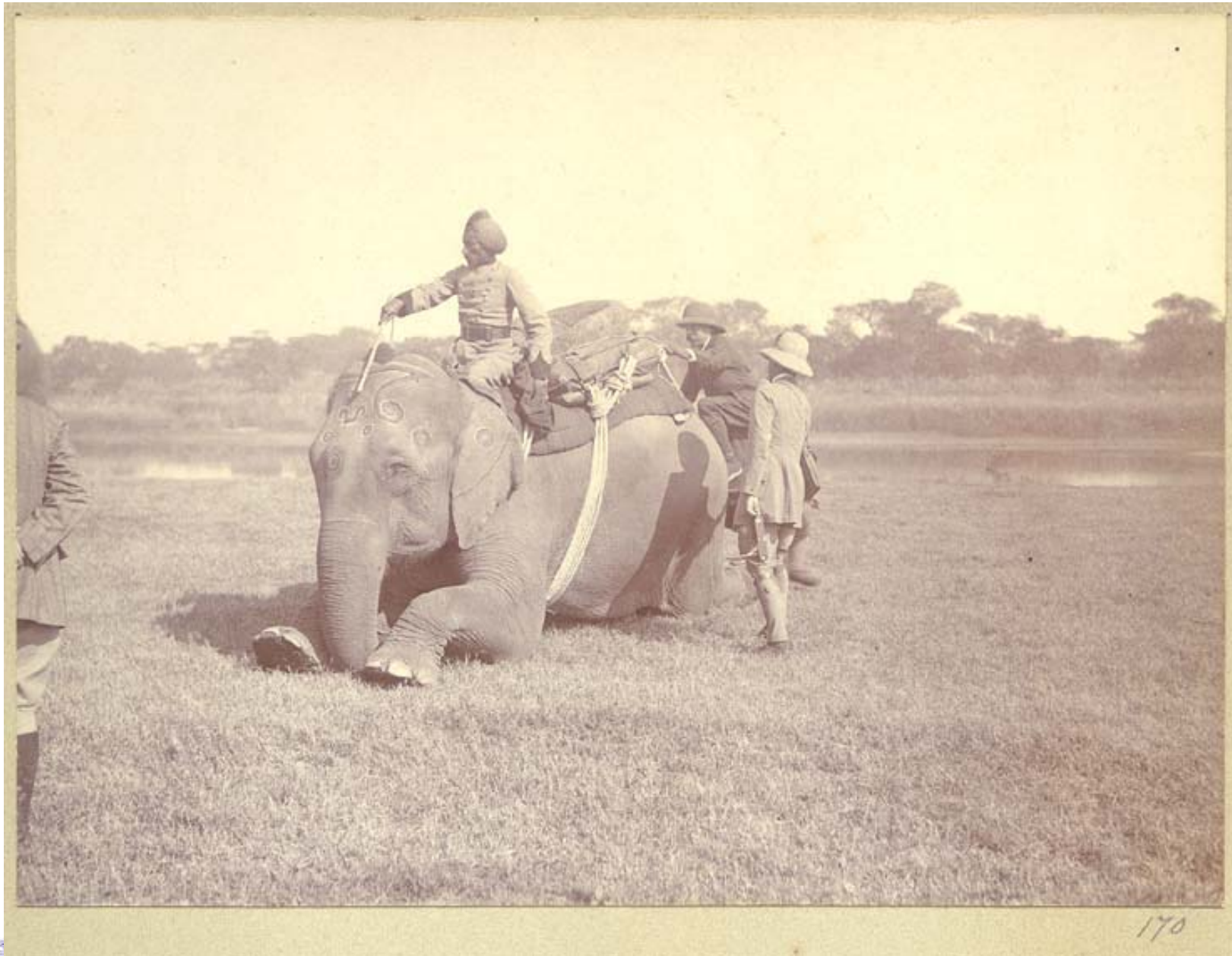
Case study: Oral Epics

- Varied data - 6 epics, each 37 hours of tape and 1000 pages of printed text
- Varied products arising from the data
- Formats - analogue and digital, open source and proprietary
- Software - proprietary, discipline specific
- Copyright
- Privacy

Case study: Tiger Hunt



<http://images.anu.edu.au/tigers.html>





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Open Repositories 2005

- Open Repositories 2006 - an interlinked set of events collaboratively convened by APSR with the ARROW project, MAMS, Macquarie University, and the University of Technology Sydney.
- DSpace User Group Meeting
- Digital Repositories Forum: The Well-integrated Repository
- Workshop: Managing Openness in Digital Repositories
- January 31 to February 3
- University of Sydney

Keep in touch

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