

BUILDING A NEW DIGITAL LIBRARY FOR THE NATIONAL LIBRARY OF AUSTRALIA

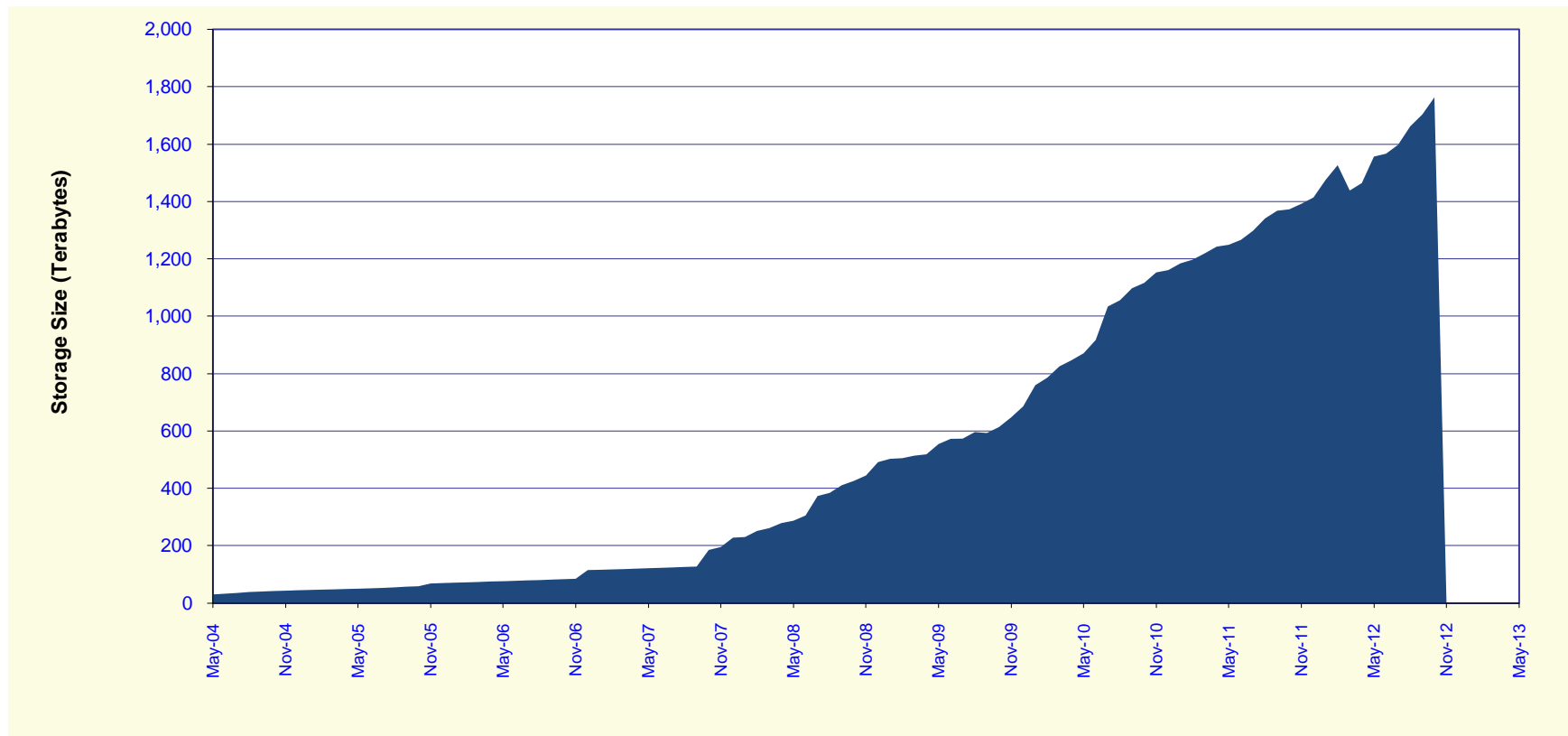


Strategic Directions 2012-2014

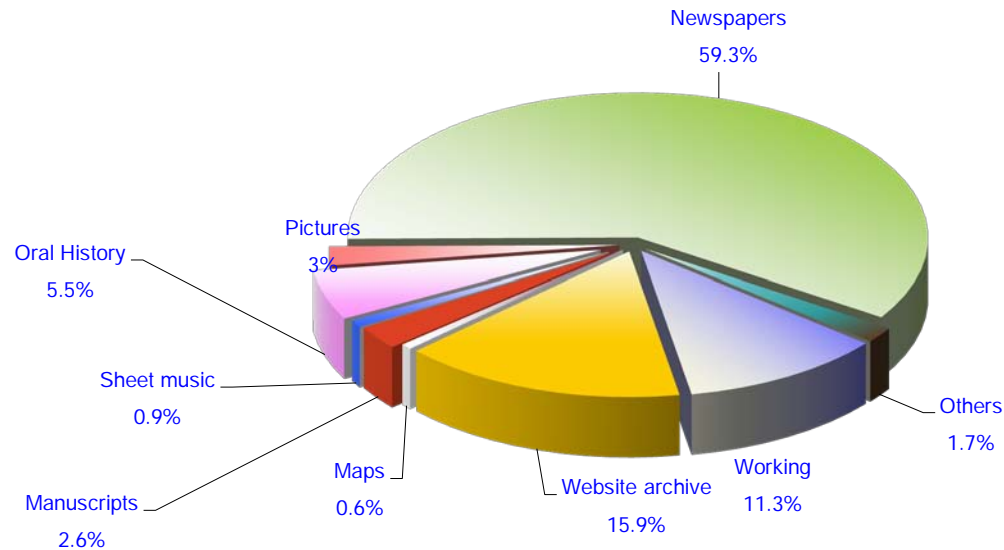
However, the growth of our digital collections is outpacing our capacity to manage, preserve and deliver them. Australians must know that whether the National Library's collections are in print or digital form, they will be stored, preserved and made accessible to future generations. To do this, we need better systems to collect and manage both digitised and born-digital Australian content. We will meet the most urgent of these critical needs through our Digital Library Infrastructure Replacement project, as we work towards a National Digital Library of Australia.



Growth in digital collection storage



Format of digital collections



Digital Library Infrastructure Replacement **will**

Replace NLA's existing digital library infrastructure with one that enables the Library to increase its capacity to collect digital content, digitise paper and other analogue collections, and to deliver digital content online, by

- Supporting scalable and reliable storage capacity measured in multiple petabytes
- Developing and delivering improved workflows for collecting, digitising, managing and delivering digital content; and
- Delivering new capabilities to enable the Library to support digital preservation, online deposit and to extend the range of digital formats that the Library can collect



Digital Library Infrastructure Replacement **will not**

- Tackle the need for policy development and organisational changes to support increased “born digital” collection material;
- Identify, manage and fund digitisation programs, including the Library’s aspiration to scale up its digitisation of out-of-copyright Australian print publications;
- Solve the need for increased staff to undertake research in digital preservation techniques and to collaborate with other agencies in the development of these techniques;
- Fund increases in programs to convert audio and video collection content to digital form in order to rescue this content from technological obsolescence;
- Establish facilities and arrangements for improved off-site digital collection backup and disaster recovery;
- Solve all possible issues with online service delivery; and
- Provide a national service for digital collecting and preservation

Procurement Outcome

- Selected two products
 - Digitisation system: DocWorks from CCS Content Conversion Specialists GmbH ; and
 - Preservation and digital library core system: Safety Deposit Box (SDB) from Tessella Ltd.
- Products were installed & pilots/acceptance testing took place late last year.
- Waiting on software updates before completing pilots

Procurement did not deliver

- Direct deposit workflow management systems for born-digital collecting, with pre-ingest processing and arrangement capabilities and support for arbitrary file formats residing on physical-format data carriers (e.g. CDs and DVDs);
- Digitisation systems for images, maps and unique non-text-based materials including microforms;
- Collection management systems for sound and audio visual materials;
- Web archiving systems for selective and bulk web harvesting approaches; and
- Digital library delivery systems for end-users.

Project Stages & Deliverables

Up to now

- Year 1: FY2010-11 – planning and hardware
- Year 2: FY2011-12 – Request for Proposal and Request for tender
- Year 3: July – 31 December 2012 – Pilots
- Procurement + Pilots = 1.5 years

Project Stages & Deliverables

Implementation Stage 1 - 2013

- Digitisation workflows
 - **Books and journals**
- Digital collecting
 - Provide access to Web Domain Harvest Government Publications
 - Trial providing access to electronic materials – e.g. Bob Brown manuscript collection
- Preservation management
 - **Bit-level preservation**
 - **Ingest workflows, simple reporting, prototype KB**

Project Stages & Deliverables

Implementation Stage 2 - 2014

- Digitisation workflows
 - **Non-text (physical format + audio) and special collections (manuscripts)**
- Born-digital collecting
 - Define and prioritise activities [Legal Deposit]
- Preservation management
 - **More reporting, integration of Knowledge-base**
 - Trial preservation actions
 - **Ingest and repository workflows**

Project Stages & Deliverables

Implementation Stage 3 - 2015

- Digitisation workflows
 - **Newspapers**
- Digital collecting
 - **Web archiving**
 - **Implement collection area priorities**
- Preservation management
 - Prototype preservation actions

Project Stages & Deliverables

Implementation Stage 4 - 2016

- Digitisation workflows
 - **Requirements not met in Stages 1-3**
- Digital collecting
 - **E-publications solution**
- Preservation management
 - **Preservation actions**



National Infrastructure

- Why
 - Digital, complexity, cost, impact
- Why not
 - Identity, jurisdictional barriers, affordability
- What
 - Published text-based material
 - Oral history
 - Born digital collections
- How
 - DLIR & Trove

Published text-based material

- Achieving a high impact public outcome – can we replicate Australian Newspapers?
- National repository and delivery system
- Large body of out of copyright material enables access
- Well understood processes, both commercial and in-house options available
- Digital preservation manageable
- Collection duplication
- Existing digital repositories



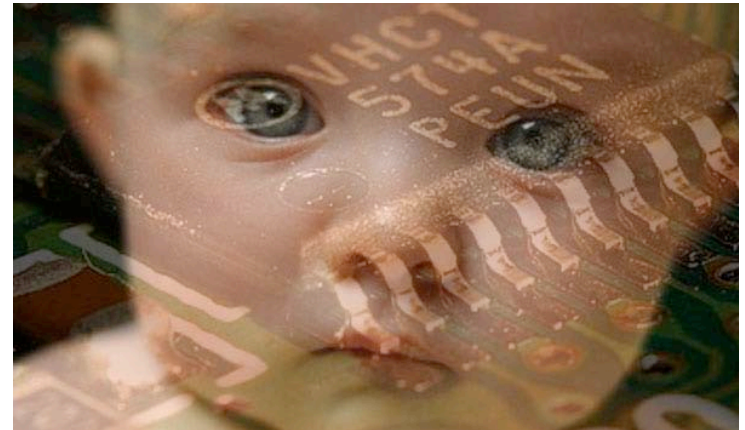
Oral History

- National discovery, delivery & annotation
- More functional local delivery system



Born digital collections

- Acquisition – Legal deposit, collecting models, multiple formats
- Access – restricted, majority in copyright, unlikely to achieve very high public impact
- Preservation – hard & expensive but scalable
- Do we have a choice?



Collaboration options

- National repository
- Both shared and managed preservation capability
- National discovery with full access to unrestricted content
- Institutional-based delivery for restricted content
- Different approaches depending on institutional capability?

Preparing for the future: What are the right questions?



- Collections: What, when, how and quantity
- Preservation: models for collaborative preservation
- Access: Library managed collections vs commercial suppliers and aggregators
- Funding: Likely costs vs budget capability

All inform a strategic discussion at multiple levels