State Library of Queensland
WHY?
WHY?

• Digital Content; special projects Q ANZAC 100 etc.

**Leadership & Strategic alignment**

• Federal & State Government
• Library board and executive
• NSLA and library community

• Innovation Study: Challenges and Opportunities for Australia’s Galleries, Libraries, Archives and Museums September 2014

• Budgets “Nothing fosters collaboration faster than budget cuts”

• Local issues: SLQ 2020 “future proof the digital library”, regionalisation.

• Connected Collections

• **Digital preservation solution as a partnership**
WHAT & HOW ?
Who were involved – Customer Side

- State Library of Queensland
- State Library of South Australia
- State Library of Western Australia
- Northern Territory Library
- LINC Tasmania
- Libraries ACT
Proof-of-Concept (PoC) Issues

- Differing expectations and interpretations of the PoC
- Did not run long enough
- Participants were at different levels in the DP space
- Governance issues particularly in the purchasing area
Who else was involved

- National Library of New Zealand
  NLNZ was on site for 1 week to consult on workflows

- User Group [ListServ]
What we did or aimed to do

- Ingest Activities
- **Archive Activities**
- Delivery Activities
- General Repository Functions
- Migration Activities
- Integration Activities
Major Findings

- Workflow design
- Staff with correct technical skillsets
- Third party tools – development and maintenance
- PREMIS – which components and how to update???
- Need for a forum for DP staff
- Storage
Major Findings – Technical Skillsets

bash-3.2$ /images/slq/scripts/create_tiffinfo.sh //images/slq/incoming/daobd/30051
data type 7 for "RichTIFFIPTC"; tag ignored.
TIFFReadDirectory: Warning, //images/slq/incoming/daobd/30051/30051-0001.tif:
unknown field with tag 37724 (0x935c) encountered.
TIFFReadCustomDirectory: Warning, //images/slq/incoming/daobd/30051/30051-0001.tif:
unknown field with tag 40961 (0xa001) encountered.
TIFFReadCustomDirectory: Warning, //images/slq/incoming/daobd/30051/30051-0001.tif:
wrong data type 3 for "GainControl"; tag ignored.
TIFFReadCustomDirectory: Warning, //images/slq/incoming/daobd/30051/30051-0001.tif:
unknown field with tag 42033 (0xa431) encountered.
TIFFReadCustomDirectory: Warning, //images/slq/incoming/daobd/30051/30051-0001.tif:
unknown field with tag 42034 (0xa432) encountered.
TIFFReadCustomDirectory: Warning, //images/slq/incoming/daobd/30051/30051-0001.tif:
unknown field with tag 42036 (0xa434) encountered.
bash-3.2$ convert 30063.pdf -quality 100 30063.tif
      **** Warning: File has an invalid xref entry: 35. Rebuilding xref table.

      **** This file had errors that were repaired or ignored.
      **** The file was produced by:
      **** >>>>> Mac OS X 10.9 Quartz PDFContext <<<<
      **** Please notify the author of the software that produced this
      **** file that it does not conform to Adobe's published PDF
      **** specification.

bash-3.2$
Major Findings – Technical Skillsets

Validating file "Timetable - Digital Preservation, 1st March 2016.p..." for conformance level pdfa

The file contains cross reference streams.
The key Metadata is required but missing.
A device-specific color space (DeviceGray) without an appropriate output intent is used.

The key CIDSet is required but missing.
The key S has a value Transparency which is prohibited.
The font Times New Roman must be embedded.
The document does not conform to the requested standard.
The file format (header, trailer, objects, xref, streams) is corrupted.
The document contains device-specific color spaces.
The document contains fonts without embedded font programs or encoding information (CMAPs).

The document contains transparency.
The document's meta data is either missing or inconsistent or corrupt.
Done.
Major Findings - Storage

-rwxrwxrwx- 1 517 exlibris 13K Feb 19 08:31 30302.docx*
-rwxr--r--+ 1 dtl exlibris 229 Feb 19 14:07 30302.docx.hash*
-rwxrwxrwx- 1 517 exlibris 7.6G Feb 19 09:01 30302.mov*
-rw-rw-r+++ 1 dtl exlibris 4.0K Feb 19 13:59 30302.mov.mediainfo
-rwxr--r+++ 1 dtl exlibris 227 Feb 19 14:06 30302.mov.mediainfo.hash*
-rwxrwxrwx- 1 517 exlibris 1.3G Feb 19 09:05 30302.mp4*
-rwxr--r+++ 1 dtl exlibris 227 Feb 19 14:07 30302.mp4.hash*

SLQ is currently ingesting 1TB video files
What other issues we encountered

- Default delivery viewers
- Technical metadata viewers
- Consortia issues
- Support for Handles only
- Manuals and clearer workflow documents
- Support for checksum files
What other issues we encountered

• Ex Libris Product Integration – ALMA ↔ Primo ↔ Rosetta integration can this be made easier for the customer base
• XSS vulnerabilities???
• Searching Issues
• SLQ
  • Digital Strategy, Content Strategy and Online Engagement strategy
  • Contract Signed and progressing forward

• Consortia
  • In principle support
  • Working out the details

• Partnerships
  • SLNSW, NLNZ, GRI, NLI; QCIF, ADLIB