‘The Transparent Repository’

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‘Transparent’ Digital Libraries, Repositories and Archives

• Name transparency
• Location transparency
• Platform implementation transparency
• Access transparency
• Encoding standard transparency
Welcome to the PANDORA Archive

This is an archived copy of an Internet resource. To proceed to the copy, please follow this link:


Last updated: September 14, 2005 00:46:03.
Sustainable Preservation: transparent or effective?

- Preservation Actions:
  - Must be apparent (sometimes)
  - Must be invisible (sometimes)
  - Must be evident (always)
  - Must not impede use

- PRESERVATION TRANSLUCENCY
OAIS Functional Model

AIP: Archival Information Package
DIP: Dissemination Information Package
SIP: Submission Information Package
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OAIS Functional Model

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SIP: Submission Information Package

Washington, DC, CCSDS Secretariat, Office of Space Communication (Code M-3), National Aeronautics and Space Administration.
Main Phase Objectives and Outputs

1. Define the information to be archived
   - Preliminary Agreement

2. Develop agreement (data to be delivered, complementary elements, schedule)
   - Formal Definition Phase
   - Dictionary
   - Formal Model
   - Submission Agreement

3. Actual transfer of objects
   - Transfer Phase
   - Anomalies
   - Validation Agreement

4. Validate the transferred objects
   - Validation Phase
   - Transferred object files

AIP CREATION
NRPIPA

• National Recording Project for Indigenous Performance in Australia (NRPIPA)

• APSR is an NRPIPA affiliate
  - Linda Barwick and Ian Johnson (University of Sydney) proposed DSpace SIP development project (2006)

www.apsr.edu.au
DATA WORKFLOW MODEL
NATIONAL RECORDING PROJECT for Indigenous Performance in Australia

PLANNING
Identification of important traditions (directed by Senior TOs)
Development of regional work plan
Formation of research teams
  * Senior TO
  * recordist
  * ethnographer
Local fieldwork plan
  * logistics
  * negotiation of payments
Collect core metadata
  * where * who * when
Make recordings (digital)
  (international standards and formats)
Discuss content
  * subject
  * places
  * musical practices
Record rights, access and suitable uses
  * education
  * publication (web, CD)
  * health
  * community through 'Our Story'
Preliminary indexing and data management
  * file list
  * backup copies
  * reference copies
Distribute local access copies
  (CD, cassette, suitable local computer)

DATA MANAGEMENT
Transport data (recordings and metadata) to Darwin on HD
Upload data to NTL server (CDU)
Transfer data to AIATSIS MSS via AARnet
Data identified as suitable for discovery transferred to NTL server via AARnet
NTL data structured for community access via 'Our Story' or similar interface
NTL transfers appropriate data to community branch libraries
Data identified as suitable for public discovery through Music Australia moved to NTL public web server

ACCESS MANAGEMENT
AIATSIS mapping and ingestion of metadata for discovery (or not) and access (or not)

RESEARCH USE
Recordings used by researchers subject to appropriate research and ethical agreements
Transcription and documentation of recordings (linguistic and musicological)
Analysis of recordings published in suitable academic forms (articles, presentations, books etc)
Relevant research discoverable via Music Australia
Collaborative research into community functions of traditions (for healing, education, community development)
Audiovisual recordings used in community for appropriate local purposes
Research output feeds into community projects, commercial uses, etc.
Relevant research made available in communities via NTL branches
Recordings identified as suitable for commercial release documented by performers and researchers
Recordings transferred to publisher subject to appropriate commercial contract
Discovery of commercial releases via Music Australia

COMMUNITY USE

COMMERICAL USE

Bidwern, an ARC e-Research Project
http://www.anu.edu.au/bidwern
Our wish list...

- **Near-term:** agreed on SIP format for DSpace, Fedora and …
- **Mid-term:** data models and specifications for the organization & exchange of *complex* digital objects
- **Long-term:** convergence of e-frameworks, specifications and standards, a.k.a. ‘cyberinfrastructure’