The Florida Digital Archive
The mission of the Florida Digital Archive is to provide a cost-effective, long-term preservation repository for digital materials in support of teaching and learning, scholarship, and research in the state of Florida.

In support of this mission, the Florida Digital Archive guarantees that all files deposited by agreement with its affiliates remain available, unaltered, and readable from media. For those materials designated to receive full preservation treatment, the Florida Digital Archive will maintain a usable version using the best format migration tools available.
DAITSS

- Strictly modeled on OAIS
- “Dark” – no online public interface
- Implements format normalization and forward migration at time of Ingest
- Designed for multiple contributing institutions
- Uses PREMIS in METS
OAIS Functional Architecture

Diagram showing the OAIS Functional Architecture with various components such as Ingest, Data Management, Archival Storage, Access, and Administration. The diagram illustrates the flow of information and processes involved in digital asset management.
DAITSS Functional Architecture

- Preservation Planning
- Reporting
- Mgmt DB
- Access
- DIP
- SIP
- Ingest
- AIP
- Archival storage
- Administration

Florida Digital Archive
Key Architectural Decisions

• AIP is self-defining: database can be rebuilt from data store
  – all metadata stored in METS & PREMIS AIP descriptor

• Only Ingest writes to data store
  – audit trail/digital provenance in PREMIS Events

• Preservation strategies built in from the start
  – preserve original as submitted
  – normalize and migrate as needed
  – retain original and “last best”
Dissemination

• Since format transformations are done during Ingest, AND
• Since only Ingest can update data store,
• THEREFORE all disseminations involve a re-Ingest step before the DIP is created
• Fringe benefit: Mass migration an migration on request are equally easy
Operations

• In production since 1996
• 10 contributing Affiliates
• 185,000 packages, 20 million files, 38TB
• 2-4 TB ingested monthly
• 1 FDA manager, 1 Operations Technician
• 4 DAITSS developers, .5 Tech Support
About Us

• FDA website: http://fclaweb.fcla.edu/FDA_landing_page
• DAITSS website: http://daitss.fcla.edu/
• TIPR project: http://wiki.fcla.edu:8000/TIPR
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