

DAITSS: Dark Archive in the Sunshine State

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FCLADigital Archive

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[: initiative :](#)

[: menu :](#)

The Florida Center for Library Automation (FCLA) is developing a central digital archiving facility for the libraries of the public universities of Florida. The FCLA Digital Archive will accept submission packages from participating partners, ingest digital documents along with the appropriate metadata, and safely store on-site and off-site copies of the files. An action plan will be developed for each file format, which might include the creation of canonical derivative versions and/or format migration. A primary characteristic of the FCLA digital archive is its role in serving the real needs of a diverse group of libraries. Every effort will be made to accommodate the formats important to the institutions, whether these are traditionally considered "archival" or not.

Goals of the project are to 1) establish a working and trusted digital archive, 2) identify costs involved in all aspects of archiving, and 3) disseminate tools, procedures and results for the widest national impact. It is hoped that the FCLA Digital Archive can serve as a model for the development of similar

- [Project Grant Information](#)
- [Digital Archive Information](#)
- [Publications and Presentations](#)
- [Software and Documentation](#)
- [Reports and Statistics](#)



The FCLA Digital Archive

- Libraries have their own discovery and presentation systems --> preservation repository only
- No online access --> tape storage
- Mostly ETDs, books, journals, a/v --> strategy based on reformatting
- Treatment based on action plan --> two levels of preservation

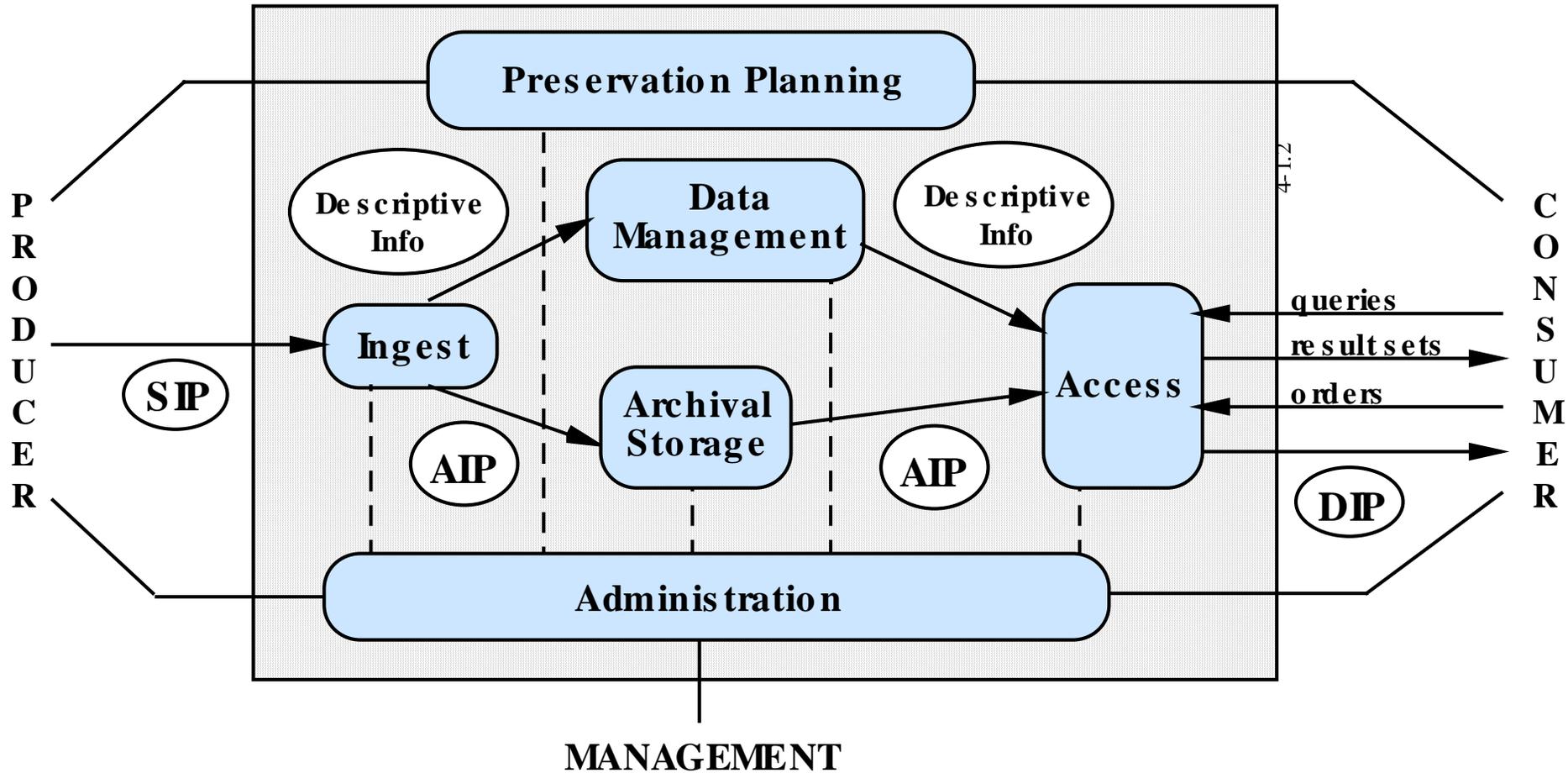


Hedging our bets

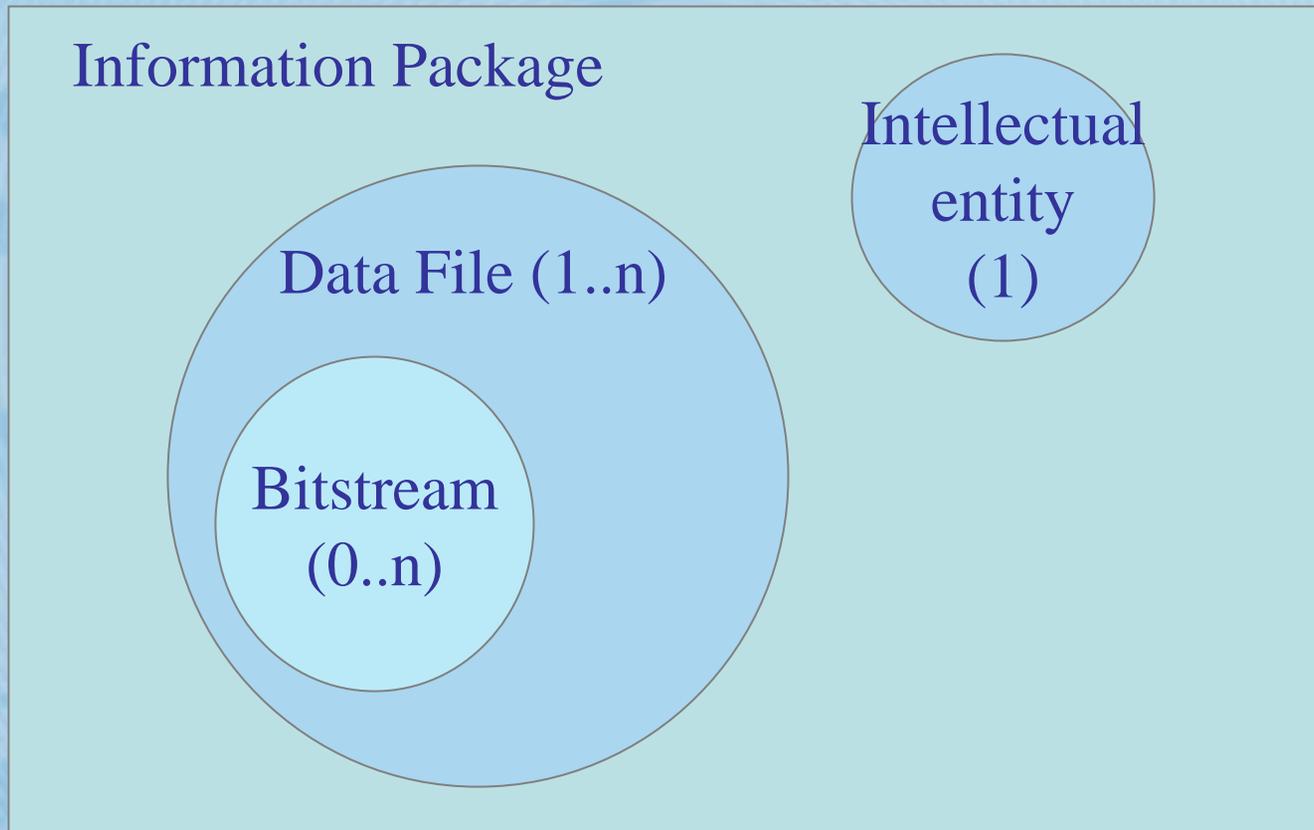
- Multiple masters
- Two message digests
- Permanent retention of original
- Migration and normalization
- Default retention of intermediates
- Redundant storage of metadata



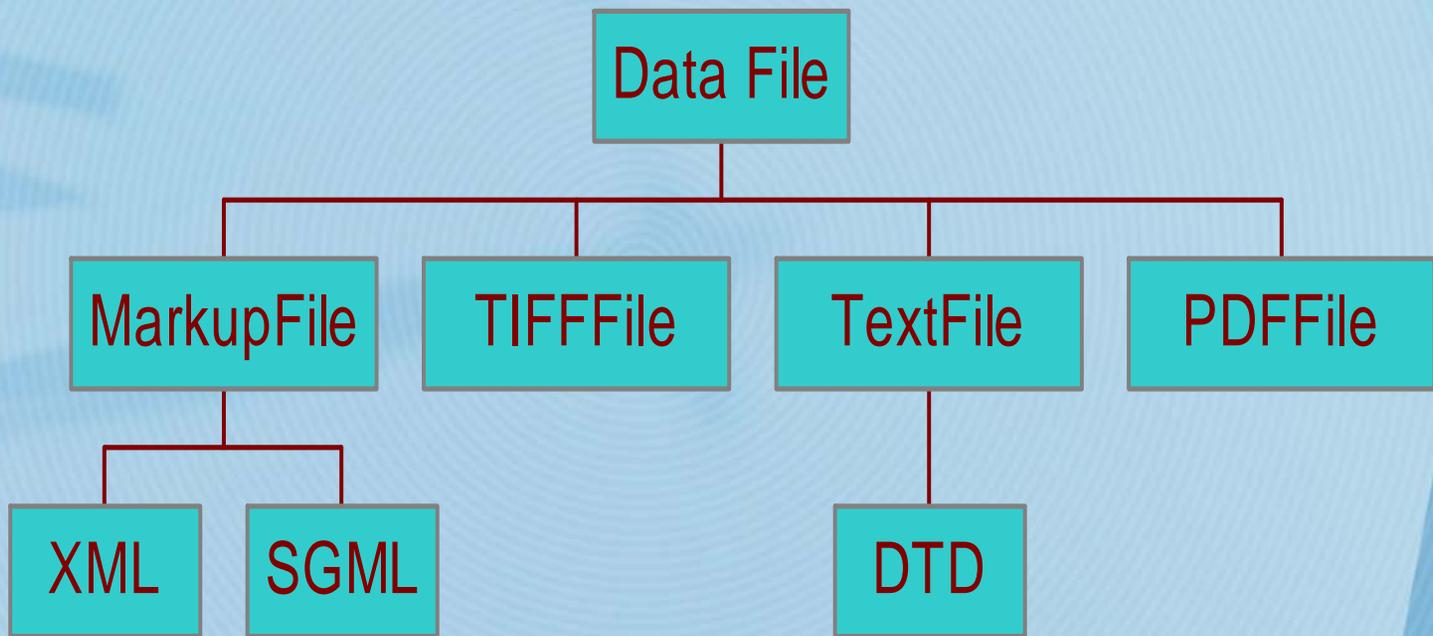
OAIS Functional Model



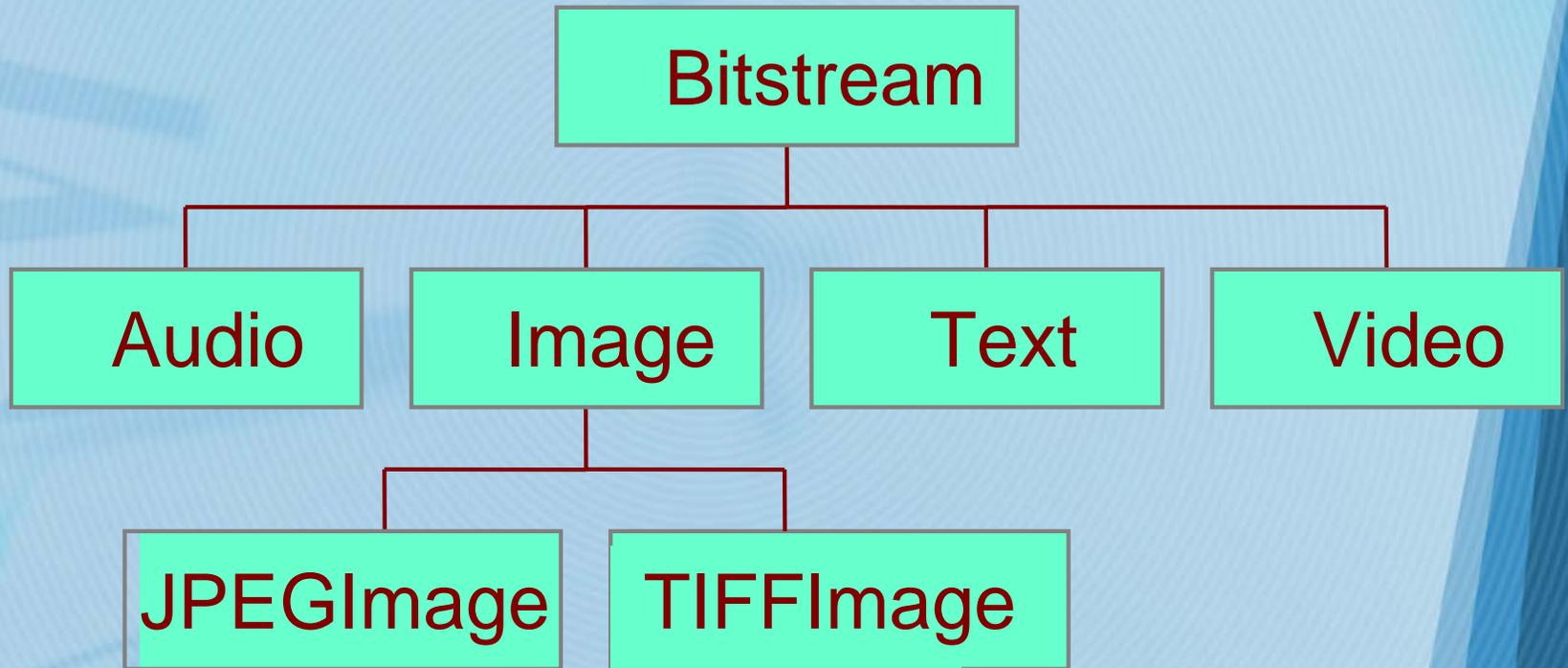
DAITSS Data Model



DAITSS Data File Object



DAITSS Bitstream Object

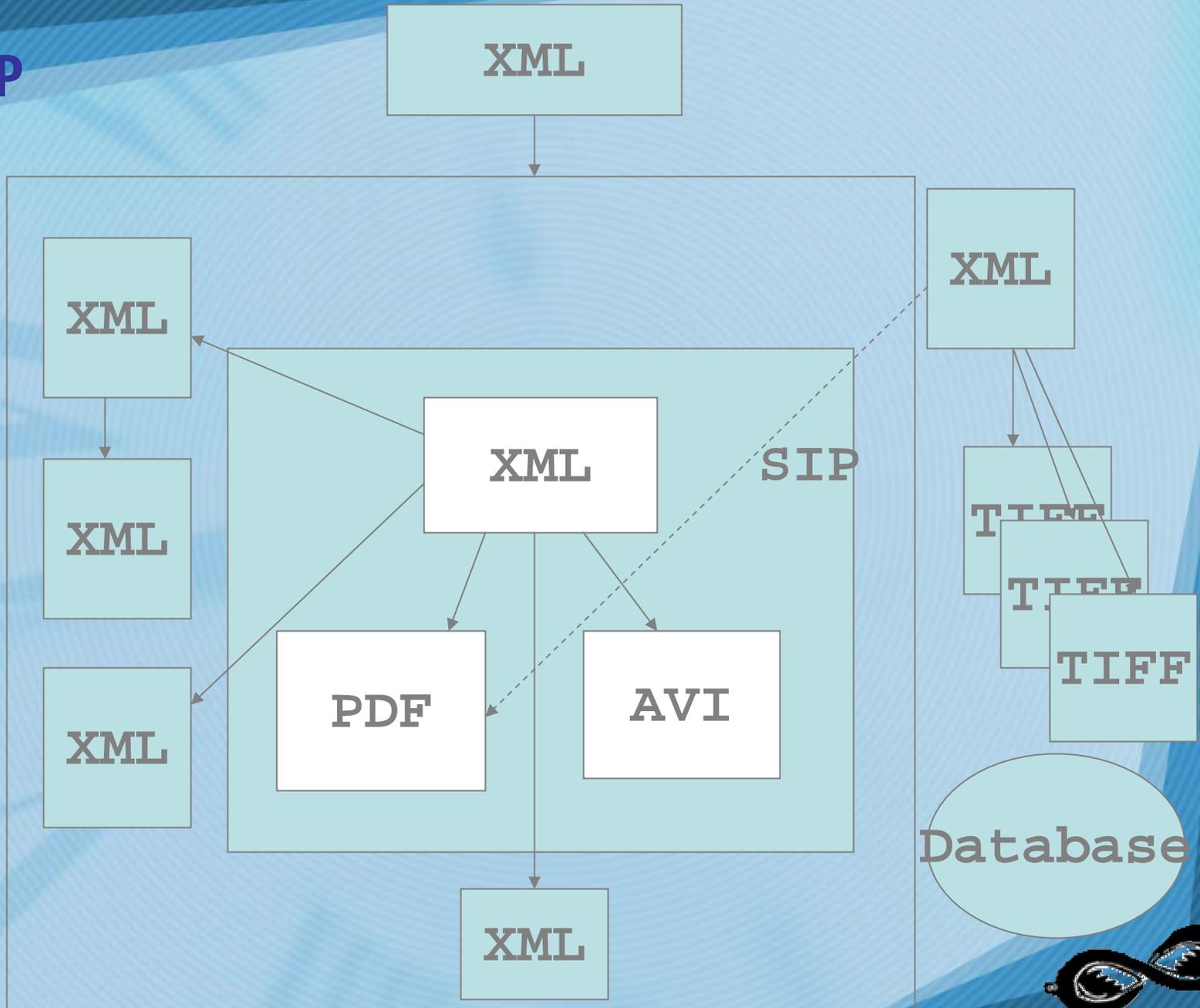


The Ingest Service

- Validate SIP descriptor, extract metadata
- Perform virus & integrity checks
- Identify, validate format, extract metadata
- Harvest external files
- Migrate and normalize files
- Record metadata in management database
- Create AIP, write to storage
- Write logs and event entries



AIP



Other Services

- **Storage management**
- **Dissemination**
- **Withdrawal**
- **Reporting**
- **Repository administration**



Plans

- Go into production for Ingest (November 2004)
- Implement at partner sites
- Finish planned DAITSS services
- Move to Open Source



<http://www.fcla.edu/digitalArchive/>



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