Rosetta
A Digital Preservation System
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Digital Preservation Components

Collection

Active Preservation

Archiving
Need to Think of Changing Media
Need to Think of Changing Formats
Digital Preservation as Part of the Digital Library

Cost Effective

Online Access

+  

Ongoing Actions

Risk Analysis

Migration

Bit Preservation

=  

Sustainable Digital Preservation
**The Strategy – Sustainable Digital Preservation**

- **CONSOLIDATE**: Consolidate all digital collections
- **OPTIMIZE**: Optimize through automation
- **EXTEND**: Extend the library offering and collaborations
The Strategy – Sustainable Digital Preservation

**CONSOLIDATE**

*Consolidate all digital collections*

**OPTIMIZE**

*Optimize through automation*

**EXTEND**

*Extend the library offering and collaborations*
Consolidate

Faculty Publications

Data Sets

Student Publications

Institutional Photos

Archives

Newsletters

Research Paper

Alumni

Unified Digital System
The Strategy – Sustainable Digital Preservation

**CONSOLIDATE**
Consolidate all digital collections

**OPTIMIZE**
Optimize through automation

**EXTEND**
Extend the library offering and collaborations
Optimize

“As the rate of digital information production continues to escalate, it is vitally important to reduce the cost of preservation for all types of digital assets”

Sustainable Economics for a Digital Planet, Final Report of the Blue Ribbon Task Force
Optimize - LIFE Project

- Collaboration between British Library and UCL
- Developed a generic lifecycle costing formula
- See http://www.life.ac.uk/

\[
L_T = C + Aq + I_T + M_T + BP_T + CP_T + Ac_T
\]

- \(L\) = Complete lifecycle cost over time 0 to \(T\).
- \(C\) = Creation
- \(Aq\) = Acquisition
- \(I\) = Ingest
- \(M\) = Metadata Creation
- \(BP\) = Bit-stream Preservation
- \(CP\) = Content Preservation
- \(Ac\) = Access
Optimize Ingest

Automated ingest workflows & quality assurance process
Optimize Ingest

Scalable Infrastructure supporting mass-ingest and mass-processing
Optimize Metadata Creation

Integration with existing cataloging systems

Alma
Aleph
Voyager
Other ILS

Ex Libris
Rosetta
Optimize Metadata Creation

Ingest
Metadata Form

Automated Processes
Technical Metadata Extraction
Harvest Descriptive Metadata

Archive
Permanent Storage
Automated scheduled fixity checks, storage abstraction layer, full-replication on disk
Optimize Content Preservation

Preservation Dashboard

Data Statistics

Risk Analysis Report

Quick Links

Quick Links

Ingest Rates

Thesis collection (35 files)
Einstein pictures (7 files)
Physics research documents (12 files)
US civil war postcards collection (21 files)
Alumni records (12 files)
Video department (8 files)
Optimize Content Preservation

Automated migration action

- Identify
- Evaluate
- Execute

Operational Storage
Permanent Storage
Migration Action
Optimize Access

Automated rule-based distribution

ExLibris Primo

ExLibris Rosetta

Google

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The Strategy – Sustainable Digital Preservation

CONSOLIDATE
Consolidate all digital collections

OPTIMIZE
Optimize through automation

EXTEND
Extend the library offering and collaborations
Extend Collaborative Work

- Special Collections
- Unique Workflows
- Shared Infrastructure
- Customizations
Extend The Library Reach
The Strategy – Sustainable Digital Preservation

CONSOLIDATE

Consolidate all digital collections

OPTIMIZE

Optimize through automation

EXTEND

Extend the library offering and collaborations
Ex Libris Rosetta helps institutions in collecting, managing, archiving and preserving their digital collections, ensuring its data integrity and access over time.
Rosetta as an Ex Libris Strategic Initiative

- Initiative began in 2007
- Investment to date of over 135 person years
- Development Partner
- Peer review group
- Advisory group
- Worldwide customer base
Our Customers Around the World

Major Religious Institution
OAIS Model
Ingest

Preservation

Management

Working Area

Operational Repository

Permanent Repository

Search Tools (Primo)

Publishing

Delivery

Manual / Automatic

SIP

AIP

DIP

DIP

Rosetta Modules
Key Features

- Scalable
- International Community
- Complete Preservation Solution
- Extendable, Integrative
- Open Access
Thank You!

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