

Preservation of Digital Collections from obsolescence to sustainability

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Library and Archives
Canada

Bibliothèque et Archives
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Canada

Agenda

- Digital Preservation Challenges at LAC
- Taking control
- Strategy for a digital preservation program
- Other Opportunities



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Digital Preservation Challenges at Library and Archives Canada

- Library and Archives preserves a wide variety of digital material
- Scale of LAC's Digital Archive is huge
- Solving the end-to-end digital curation life cycle not practical
 - Narrow the focus to Digital Preservation specifically
 - Mandates for digital acquisitions and digital access belonged to other Branches
- Organizational challenges at the outset

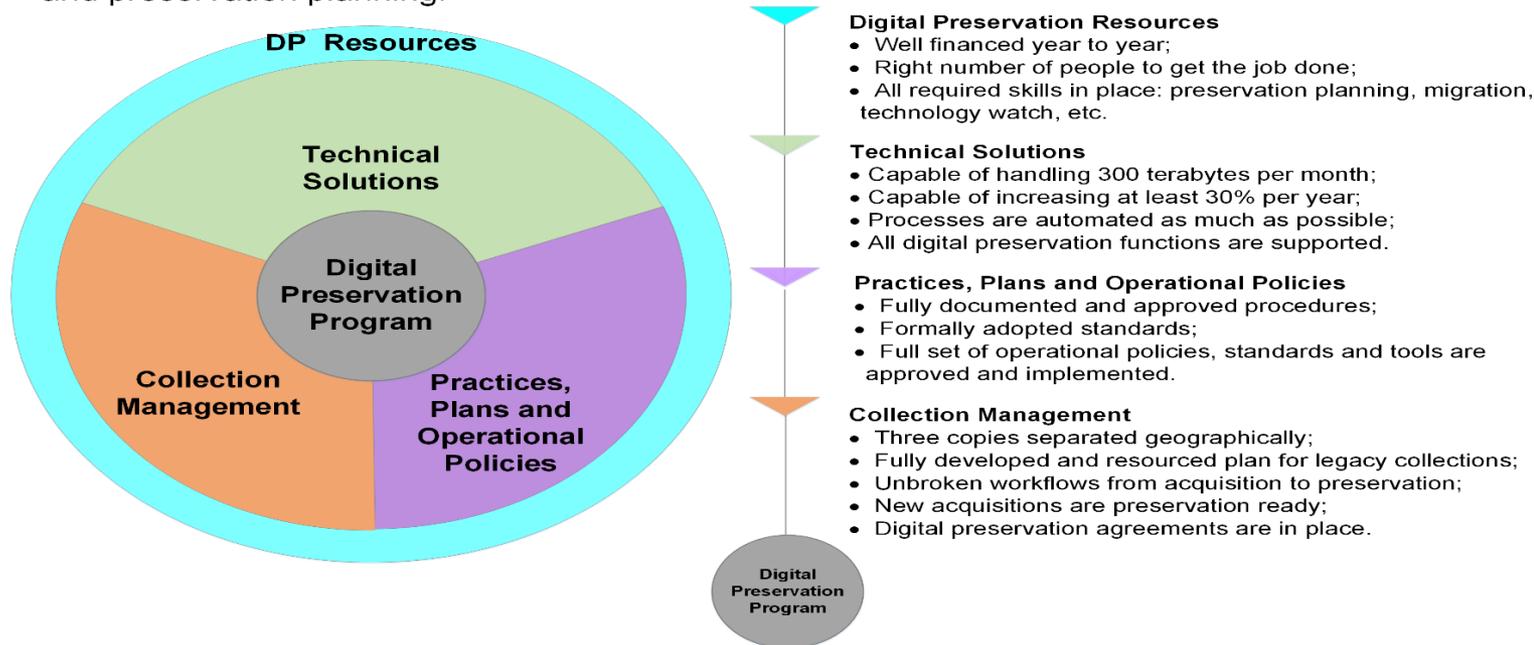


Taking control

- ✓ Strategy for a digital preservation program
 - Designed from the bottom-up, rather than top-down.
 - Step-by-step approach to implement a full fledged and enduring program
 - Core components: organizational design, improving business processes, and technology solutions.
 - Standards based implementation (ISO 16363, ISO 14721)
- ✓ Buy-in
 - Approved by LAC's senior managers
 - Communication with internal, external and international stakeholders an essential success factor

End-state vision for the Digital Preservation Program

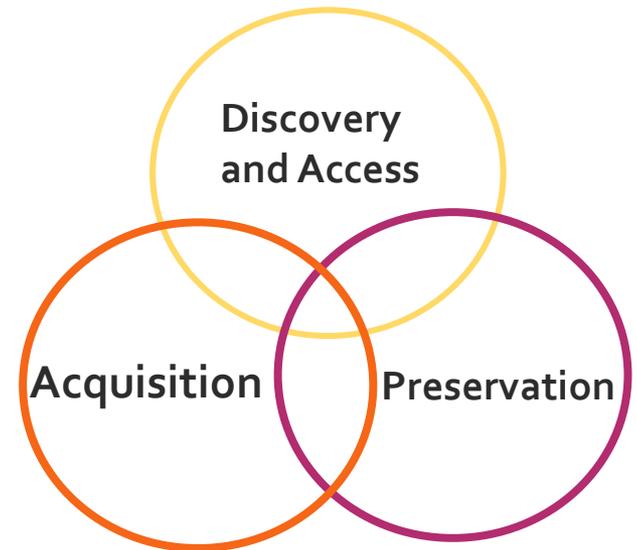
The ideal end-state is for LAC to have an internationally recognized trusted digital repository program that has all the functions of the OAIS implemented, including technology watches, integrity checking and preservation planning.



DIGITAL ASSET MANAGEMENT SYSTEM @LAC

The DAMS project is the implementation of the technical elements which will provide the foundation for Digital Discovery and Access, Acquisition and Preservation for LAC in the future.

- This will mean that the way we do our jobs will change over the coming years.
- Archivists, Librarians and Digital Preservation experts will need to acquire some new skills but **the reason** we do the work we do **is not changing**.



ABOUT THE DAMS PROJECT



The DAMS project is using an *agile methodology*

In other words: starting small, building on success and accepting that the final outcome may be different than what we anticipate today.

For example:

- some pieces may not work
- new technologies introduced in the future may offer better solutions

FY 18-19 automating Published Heritage Acquisition

FY 19-20 Government Records Acquisition and Digital Preservation



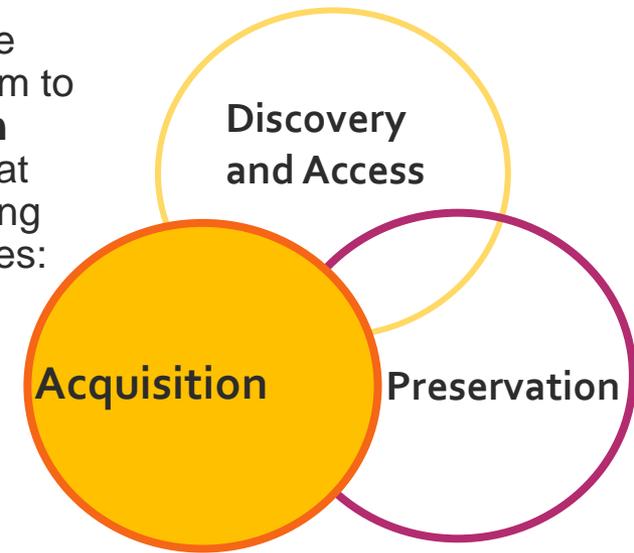
ACQUISITION

- The DAMS Project has been working with Published Heritage to bring Legal Deposit and eTheses assets into the Digital Asset Management System
- This work has been done using Preservica and GoAnywhere tools
- This year a virtual team will be working to perform transfers for Government Records

Library and archival staff are working with the project team to identify how these tools **can help them** to determine what will become an official holding by automating these activities:

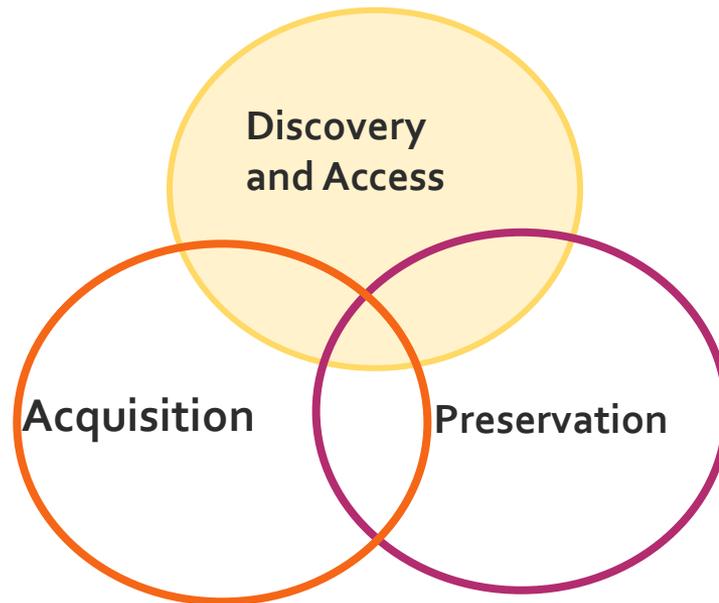
- Validate
- Classify
- Describe
- Prepare

Subject to preservation once staff have decided that it forms part of the permanent collection.



DISCOVERY AND ACCESS

Via Preservica
Stay tuned...



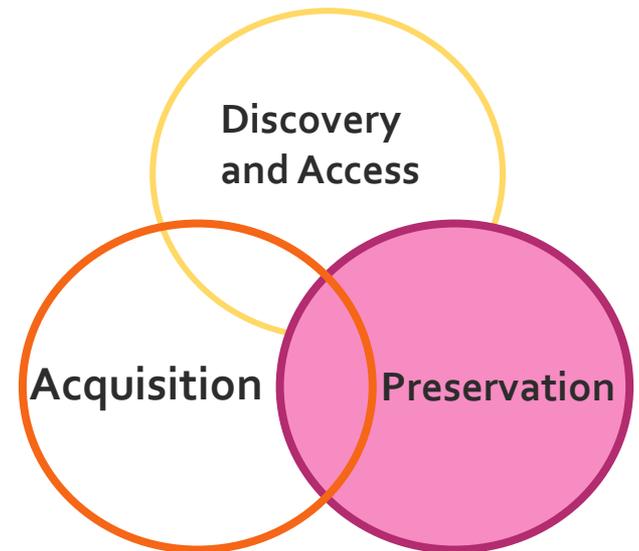
PRESERVICA AND DIGITAL PRESERVATION

The Digital Preservation (DP) strategy was approved by the Deputy Minister in November 2017

Preservica is currently being assessed by the digital preservation team

We do not have all the answers yet, but we are excited to move our preservation activities into a modernized system in the coming years

What follows is a presentation on what digital preservation looks like today



Other Opportunities

- Testing Preservica as a Digital Preservation Solution
 - First phase is ingest of Published Heritage
- Recognition, at the federal level, that Digital Preservation issues are not unique to Library and Archives
 - Formation of an inter-departmental Digital Preservation Working Group
- Collaboration with international colleagues
 - Digital Preservation Coalition
 - UK Archives
 - User groups on digital preservation and Preservation specifically

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