

# Digital Preservation

## Potential for Collaboration

Council of Nova Scotia Archives Conference - May 2013

The 3 P's of Digital Archives:

**P**ossibilities, **P**racticalities, & **P**artnerships

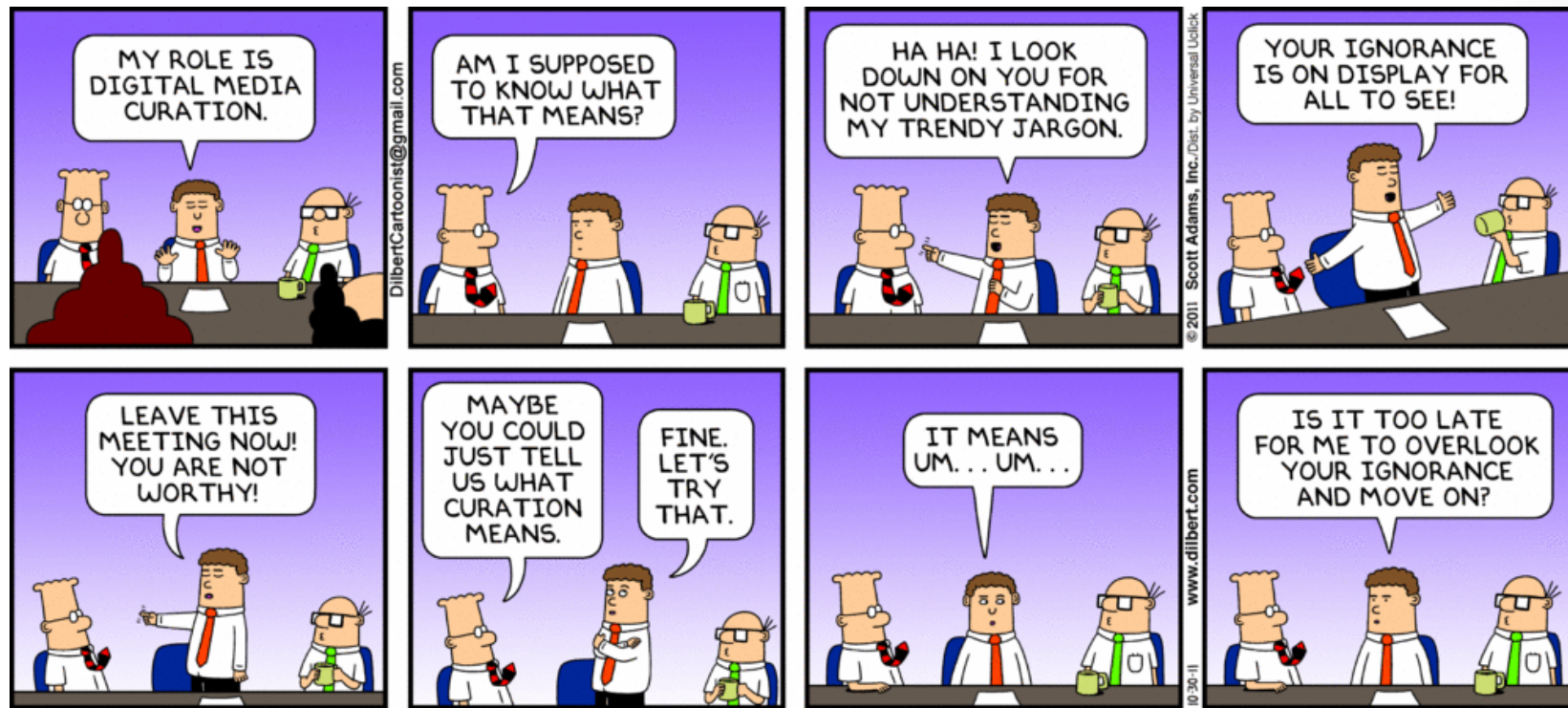
# Overview

- My experience
- Your experience
- Foundations of digital preservation
- Examples of collaborative digital preservation projects
- Lessons learned

# My experience



# Digital Preservation/Curation ≠ Digitization



**Digital preservation** - the series of managed activities, policies, strategies and actions to ensure the accurate rendering of digital content for as long as necessary, regardless of the challenges of media failure and technological change.

National Digital Stewardship Alliance Glossary:

<http://www.digitalpreservation.gov/ndsa/ndsa-glossary.html>

# Your experience

## Audience DP Readiness Survey



1. Has your institution acquired born-digital records?



2. Do you have a digital preservation program?



3. Do you feel prepared to get started with Digital Preservation?



4. Are you having conversations with records creators about long-term accessibility of their digital records?



5. Do you have a relationship with IT services that will support DP?



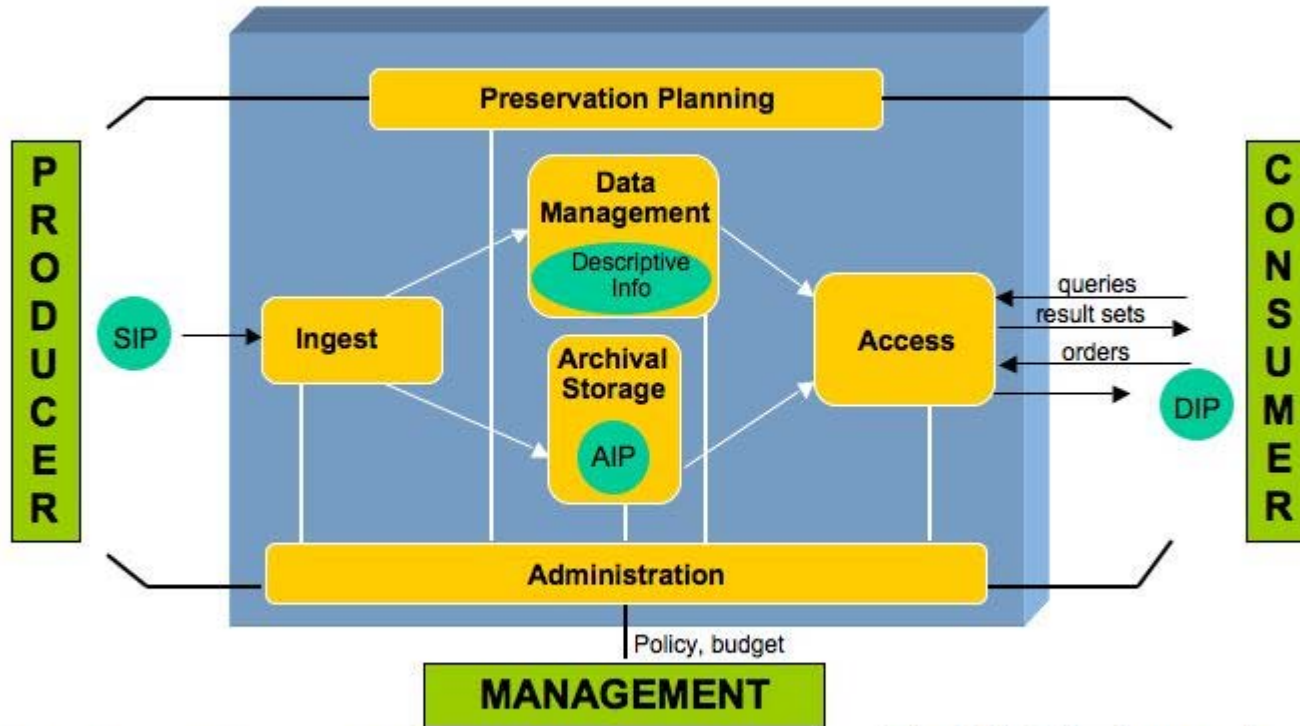


Requirements + Tools + Assessment Methodology

# FOUNDATIONS FOR DIGITAL PRESERVATION



# OAIS Functional Entities



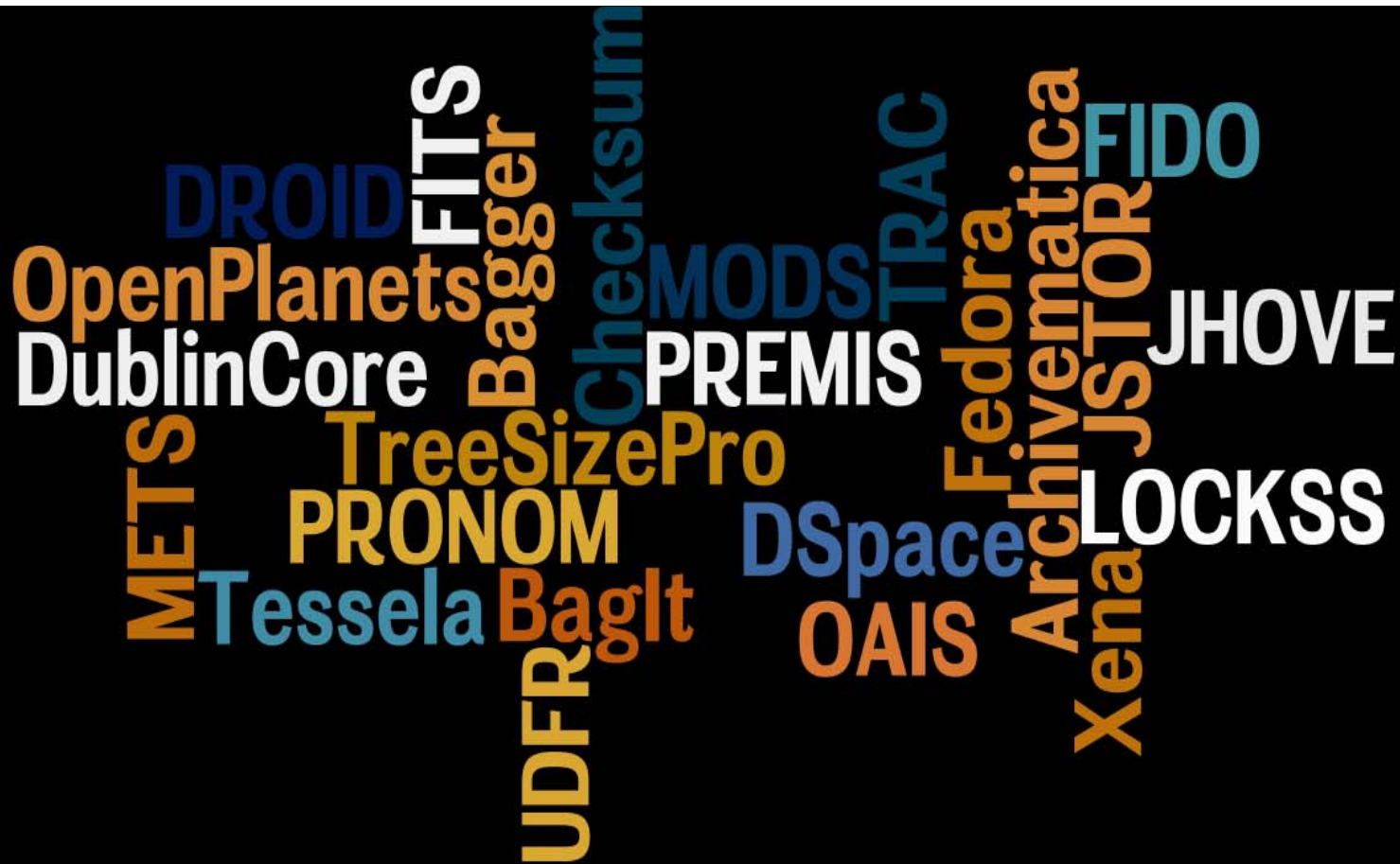
SIP = Submission Information Package  
AIP = Archival Information Package  
DIP = Dissemination Information Package

The OAIS Environment  
from 10,000 ft

10

## Foundations: Open Archival Information System Reference Model

<http://public.ccsds.org/publications/archive/650x0m2.pdf>



<http://www.digitalpreservation.gov/tools/>

<http://wiki.opf-labs.org/display/coptr/Home> (demo site)

## Foundations: Digital Preservation Tools



- TRAC – Trusted Repositories Audit and Certification
  - <http://www.crl.edu/archiving-preservation/digital-archives/metrics-assessing-and-certifying-0>

**DRAMBORA** interactive

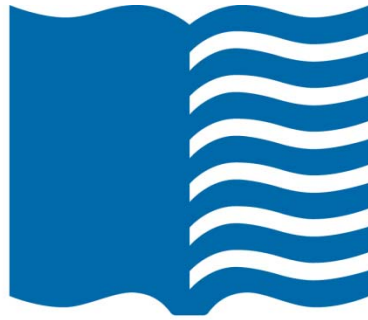
Digital Repository Audit Method  
Based on Risk Assessment

- <http://www.repositoryaudit.eu/>

## Foundations: Auditing



## EXAMPLES OF COLLABORATIVE DIGITAL PRESERVATION PROJECTS



# LIBRARY OF CONGRESS

- **National Digital Stewardship Alliance**
- <http://www.digitalpreservation.gov/ndsa/>
  - **National Digital Information Infrastructure and Preservation Program (NDIIPP)**
  - **Digital Preservation Outreach & Education (DPOE)**
    - <http://blogs.loc.gov/digitalpreservation/>

**Leaders in Digital Preservation: United States**

digitalpreservationEurope



<http://www.digitalpreservationeurope.eu/>



<http://www.youtube.com/watch?v=pbBa6Oam7-w>

Team Digital Preservation Videos

**Leaders in Digital Preservation: Europe**



- <http://www.dpconline.org/>

## The National Archives

- DROID, PRONOM
- <http://www.nationalarchives.gov.uk/information-management/projects-and-work/digital-preservation.htm>

Joint Information Systems Committee

- <http://www.jisc.ac.uk/>
- Digital Curation Centre
  - <http://www.dcc.ac.uk/>



## Leaders in Digital Preservation: United Kingdom



Your story, our history

- <http://www.naa.gov.au/collection/preserving/digital-records>
- Digital Preservation Software Platform (DPSP)
  - Xena
  - Digital Preservation Recorder (DPR)
  - Manifest Maker
  - Checksum Checker



**Leaders in Digital Preservation: Australia**



A global network of experts archiving the Web for future generations.

- <http://netpreserve.org/>



**Leaders in Digital Preservation: International**



<http://www.clockss.org/clockss/Home>

**Collaborative Projects: International**



LOTS OF COPIES  
KEEP STUFF SAFE

<http://www.lockss.org/about/>

**Collaborative Projects: International**



- <http://www.sherpadp.org.uk/sherpadp.html>

**Collaborative Projects: United Kingdom**



- <http://www.data-pass.org/>

## **Collaborative Projects: United States**



<http://www.digitalpreservation.gov/partners/states.html>

**Preserving State Government Information Initiative**

**Collaborative Projects: United States**



<http://www.pedalspreservation.org/>

**Collaborative Projects: United States**



- **nestor - Network of Expertise in Long-Term Storage and Long-Term availability of Digital Resources in Germany**
- [http://www.langzeitarchivierung.de/Subsites/nestor/DE/Home/home\\_node.html](http://www.langzeitarchivierung.de/Subsites/nestor/DE/Home/home_node.html)



<http://www.coppul.ca/pln.html>

**Council of Prairie and Pacific University Libraries  
Private LOCKSS Network**

**Collaborative Projects: Canada**



<http://spotdocs.scholarsportal.info/display/sp/home>

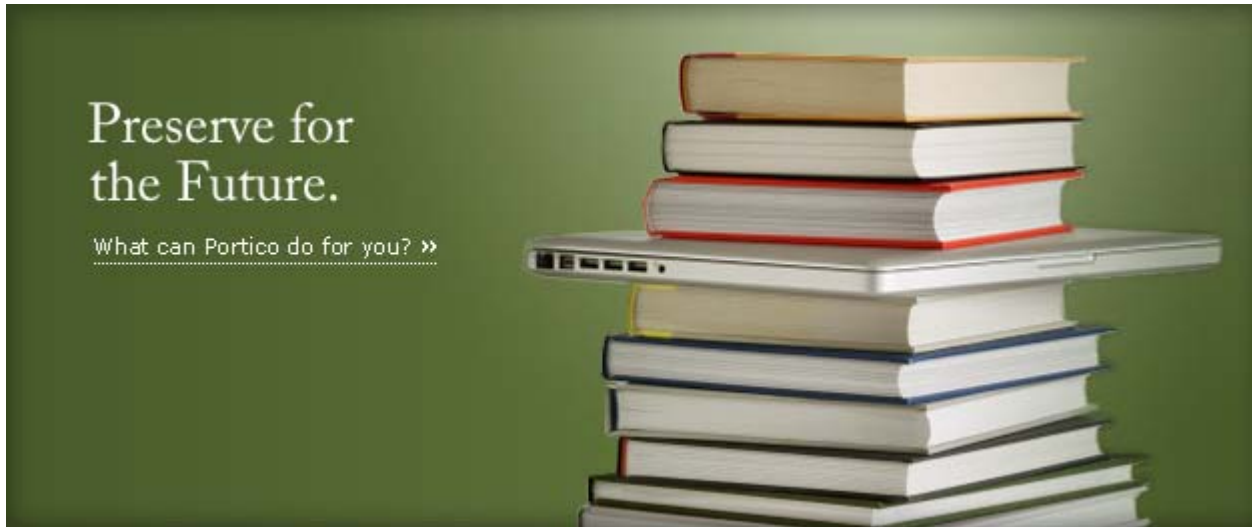
## **Collaborative Projects: Canada**

# COMMERCIAL ENTERPRISES



<http://www.hathitrust.org/home>

## **Commercial Models**



<http://www.portico.org/digital-preservation>

## Commercial Models



## **CHRONOPOLIS**

**Digital Preservation Across Space and Time**

<http://chronopolis.sdsc.edu/>

# **Commercial Models**



LESSONS LEARNED



# Digital Preservation

**Collaborate or Continue to Commiserate?**

Susan McClure  
mclurs@halifax.ca