

BitCurator from Scratch

From Internship to Production Environment
Implementation at Concordia University

John Richan

Digital Archivist, Concordia University Records Management and Archives

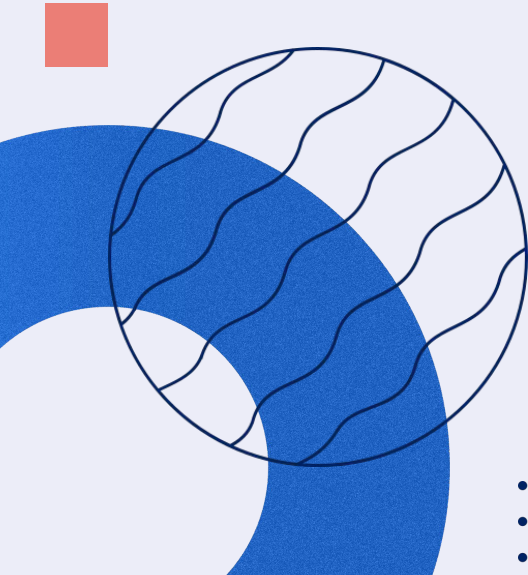
Sarah Lake

Digital Preservation Librarian, Concordia University Library



Presentation Outline

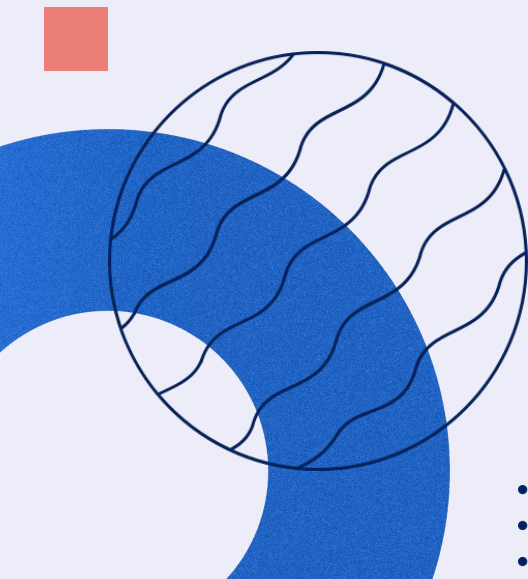
- Discovering BitCurator
- Building a case
- Young Canada Works Internship and goals
- Internship structure
- Project outcomes



Discovering BitCurator

Beginning our journey

- 2018 inventory of physical storage media
- 2018 SAA workshop: *Advanced Digital Forensics for Archivists*
- Meeting (local) users at the Canadian Centre for Architecture (CCA)



Building a case for BitCurator



- How would BitCurator fit into our Digital Preservation program?
- Digital Preservation Lab under construction
- Tooling up and acquiring hardware

Building a case for BitCurator

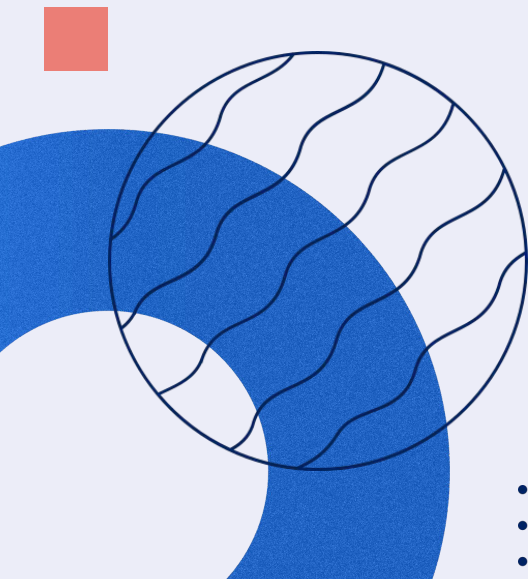
- Responding to the backlog on external storage media
- Time constraint challenge: The need for support setting up BitCurator, testing tools, and documenting workflows.
- Internship as possible solution



Young Canada Works Internship



The application: Thinking outside the box

- Project Title: *Bridging Pre-SIP Processing Gaps with BitCurator*
- Funding from Heritage Canada and Canadian Council of Archives
- Timeframe and process



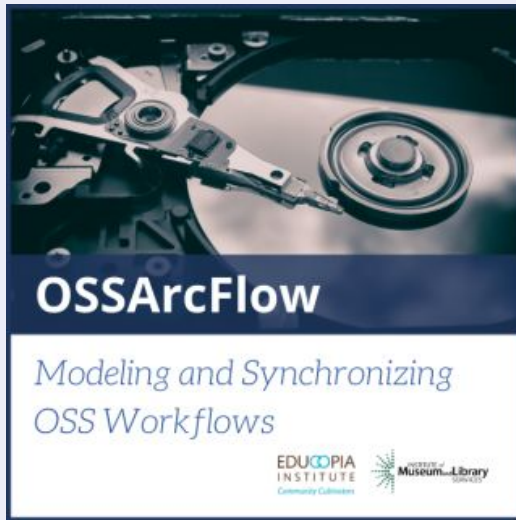


Internship Goals

1. BitCurator dedicated install
 2. Document existing workflow gaps
 3. See where BitCurator could help close gaps or improve upon them.
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Internship structure

1. Review of available documentation and workflows



- Review of current RMA workflows and identify gaps
- Research on how BitCurator was being used at other institutions

Internship structure

2. Installing BitCurator

- Dual-boot installation on dedicated laptop
- Flexibility of working in two operating systems on one station
- Many failed attempts and terrible mistakes

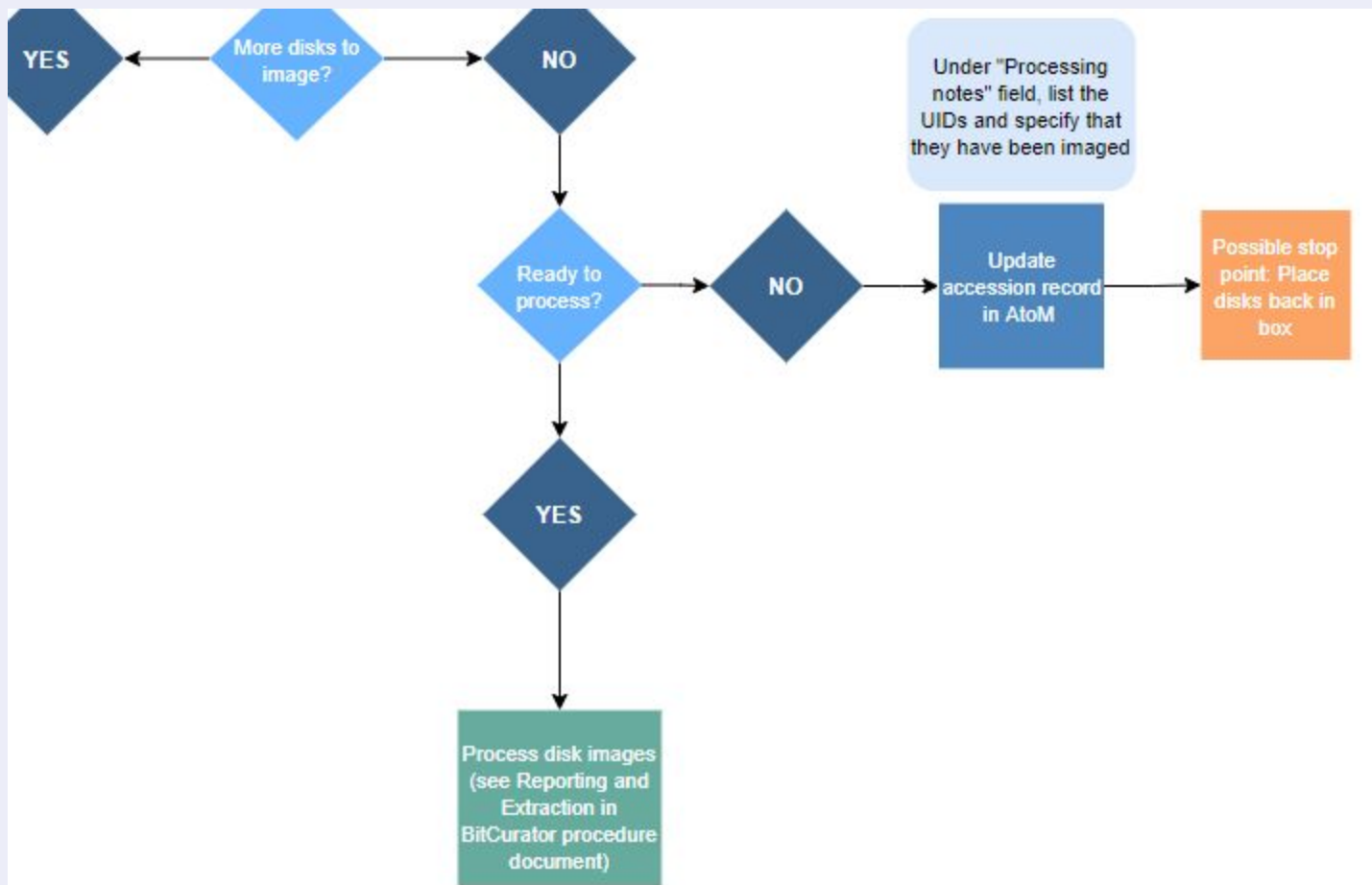


Internship structure

3. Documentation of BitCurator workflows and testing

- Testing and reviewing workflows
- Goal to integrate BitCurator with existing tools







STREAMLINED WORKFLOW

BRUNNHILDE



BEFORE

TASK	TOOL
Extract files from a disk	None
Image	FTK Imager
Virus scan	None
File format identification	DROID
Scan for PII	None
Generate DFXML	None

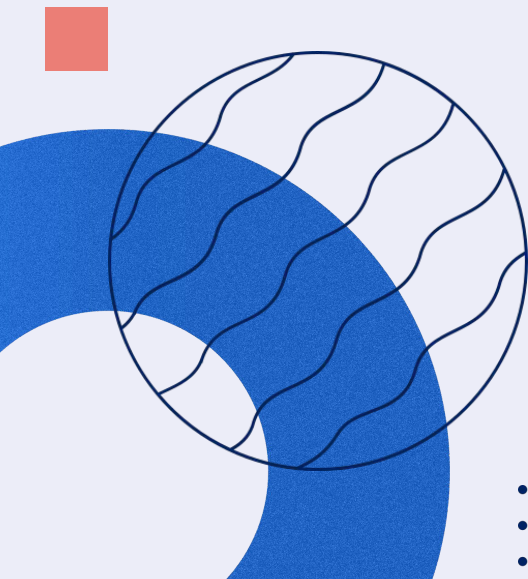
AFTER

TASK	TOOL
Extract files from a disk	
Image	
Virus scan	Brunnhilde
File format identification	
Scan for PII	
Generate DFXML	

What didn't work?

Things we would have done differently

- Account for equipment purchasing delays in timeline
- More sample media for testing!



Outcomes

- Intern gained experience with new systems, tools and processes
- RMA increased digital preservation capacity and filled gaps in workflows



Outcomes

- Concordia Library developing born-digital archives workflows
- Building a professional network and in-house expertise at Concordia

