Canadiana Update

CRKN AGM – Vancouver – Oct. 17, 2018

CRKN **RCDR**

Canadian Research Knowledge Network
Réseau canadien de documentation pour la recherche

CANADIANA

Agenda

- Introduction

- Work of the Preservation and Access Committee

- Overview of Canadiana collections

- Update on platform development

- Update on digitization

- Highlights from the Joint NHDS & CRKN Workshop on Documentary Heritage

- Path to open access

- Questions & Discussion

Introduction

Introduction

Recap of Canadiana & CRKN merger milestones

2016

- Initial discussions between Boards
- Formation of an exploratory working group

2017

- May: Special meeting of CRKN members to explore interest
- Summer: Development of Business Proposal
- October AGM: Members approve the combination according to the principles of the business plan, including committing to the Heritage Content Access and Preservation (HCAP) fund

Introduction

*Recap of Canadiana &
CRKN merger
milestones*

2018

- CRKN Board worked with Board of Canadiana.org to finalize the details of the combination and transfer of assets
- Board approved the budget for the first year of combined operations with a modest surplus anticipated

Introduction

Results

- Transfer of assets and employment contracts
- Merger publicly announced on April 3, 2018
- MOUs signed with four Trustworthy Digital Repository (TDR) node hosts
- Agreement in principle with LAC
- Preservation and Access Committee formed
- Proposed changes to the CRKN By-laws developed to extend membership to former Canadiana.org members; LAC, BAnQ and TPL

Introduction

Results

- Integrated network infrastructure between the two offices
- Moved key hardware to UTL to facilitate ongoing platform development
- Supported several applications for recent NHDS funding call for digitization projects
- Recruitment of additional Scanning Operators and an Application Developer
- Finalizing transfer of TDR certification

Development of the Heritage Content Access and Preservation (HCAP) fund

- The **HCAP fund** has been created to support the transition of Canadiana content to open access, and the ongoing development of the Canadiana TDR platform

- The **HCAP fund** is based on a re-direction of members current Canadiana membership and subscription fees for 3 years (in addition to current CRKN membership fees)

- Canadiana members not currently members of CRKN (LAC, BAnQ, TPL) will be invited to join CRKN as members following By-law changes to be ratified at the business meeting and invited to contribute to the **HCAP fund**

Preservation & Access Committee

Preservation & Access Committee

Purpose

Reporting to the CRKN Board of Directors, the **Preservation and Access Committee (PAC)** assists the Board in its activities by reviewing and making recommendations regarding the development and management of the Canadiana and Trustworthy Digital Repository (TDR) platform and the associated services and capabilities.

Preservation & Access Committee
Members

Rebecca Graham, Chair, University Librarian, University of Guelph

Dana McFarland, Vice-Chair, eResources & Scholarly Communication Librarian, Vancouver Island University

Paul Durand, Specialist, Digital Collections Management, Canadian Museum of History

Sharon Farnel, Metadata Coordinator, University of Alberta

Émilie Fortin, Chef de la section Production numérique, préservation et conservation des collections, Université Laval

Mark Jordan, Head of Library Systems, Simon Fraser University

Ian Milligan, Associate Professor of History, University of Waterloo

Eric Schwab, Manager, Digitization & Preservation, Toronto Public Library

Johanna Smith, Director General, Public Services, Library and Archives Canada

Preservation & Access Committee

Work to Date

Four meetings:

- June 14, 2018 (teleconference)
- July 31, 2018 (teleconference)
- August 29, 2018 (teleconference)
- October 5, 2018 (in person)

Preservation & Access Committee

Work to Date

Review & familiarize

- Preservation & access platforms

- Digitization projects and status

- TDR

Gather & plan

- Feedback and perspectives from committee members on best ways to engage with users and stakeholder groups

- Proposed Heritage Content Priorities Task Group (HCPTG) & Platform Technical Task Group (PTTG)

- Path to Open Access

Preservation & Access Committee

Work to Date

Promote & connect

- NHDS and CRKN Joint Workshop on Documentary Heritage

- Outreach and stakeholder engagement

Strategize & build

- Strategic planning

- Goal development

- Technical development plan

Questions?

Canadiana Collections

Canadiana Collections

History & Context

When initiated in 1978, it was anticipated that the project to reproduce early Canadian publications onto microfiche would take 5 years to complete.

There turned out to be much more material than anticipated. Microfilming continued for **25 years** until Canadiana moved to digital in 1999.

Canadiana Collections

Canadiana Online (2018)

Héritage (2013)

Early Canadiana Online (1999-2017)

Canadiana Online

Héritage

Early Canadiana Online
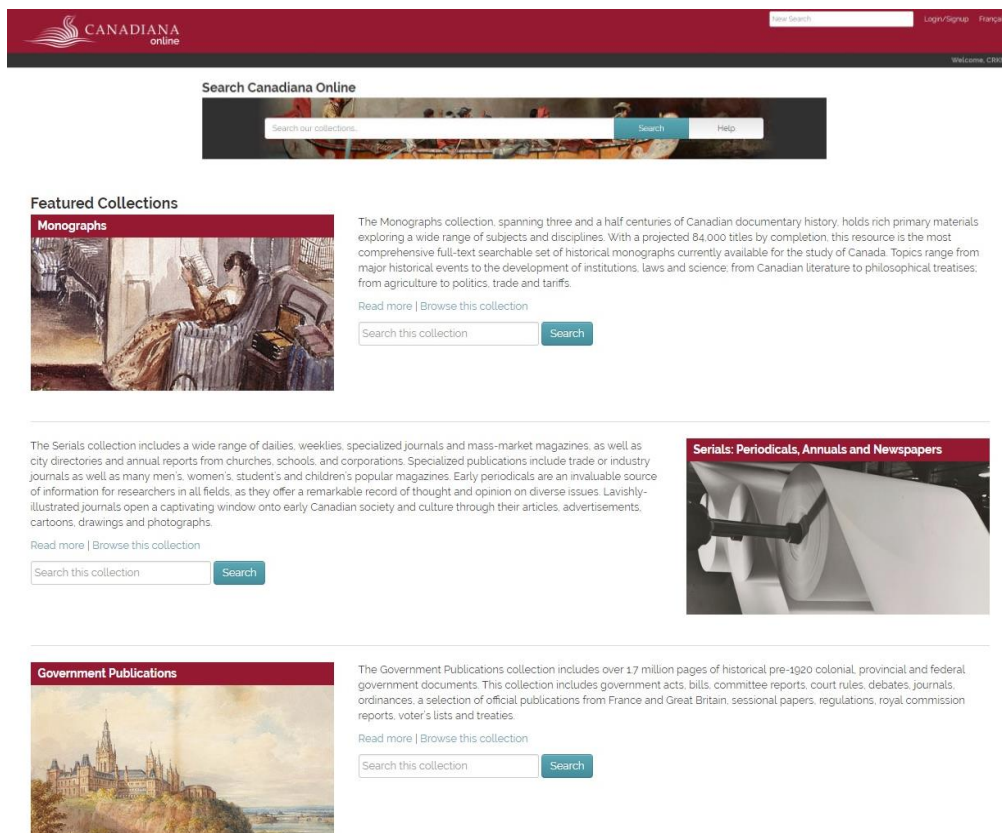
Early Canadiana Online (ECO)

- 5.8 million pages

- **Monographs, Serials and Government Publications**

- **Arranged in Thematic Sub-Collections**

- No new items being added. All ECO material is available on Canadiana Online

Canadiana Online

- 95,000 titles (19 million pages) of published materials

- **Monographs**

- **Serials**

- **Government Publications**

- Includes 5.8 million pages from Early Canadiana Online (ECO)

Canadiana Online

Monographs	13 million pages
Periodicals	3 million pages
Government Publications	1.7 million pages
Newspapers	1.1 million pages
Annuals	200,000 pages
Total	19 million pages

Héritage

- Partnership between CRKN members and LAC

- 900 collections (41 million pages)

- **Archival material**

- **Majority (approx. 60%) is handwritten**

Descriptive Metadata

- Full RDA cataloguing is carried out on materials added to Canadiana Online collection

- Types of metadata imported into the repository:
  - MARC records
  - Dublin Core metadata
  - Issue Information

Canadiana Platform

Canadiana Platform

History and Context

- 1999: First online offering of Canadiana content

- 2010: Platform development begins

- 2012: eco.canadiana.ca launched on current platform

- 2015: Canadiana platform certified as a Trustworthy Digital Repository (TDR)

- 2018: CRKN/Canadiana.org merger

Canadiana Platform

History and Context

- Vast majority of platform built in-house

- Platform originally built to house ECO content (books, periodicals) now also comprising archival materials, parliamentary records, newspapers

- Platform website was built to support subscription model for Canadiana's collections, with ability to host new portals for client collections

Current Status

Preservation

- Four TDR (preservation) nodes hosted by Canadian universities
  - Toronto, Alberta, Victoria, Dalhousie
- Content scanned in Ottawa is uploaded to automated ingest services in Toronto
- Preservation copies of images are directly read by access image servers

Current Status
Access

- Application server runs CAP (formerly the "Canadiana Access Platform")
  - Hosts 3 portals for main Canadiana collections
  - 6 portals for client collections
  - User/institution account information

- Public-facing image servers generate derivatives on-the-fly from preserved content

Challenges

- Preservation and access tightly coupled
  - The access platform digs into preserved content to generate derivative images, PDFs
- 2010-2012 platform design occurred before emergence of interoperable standards
- Access to research metadata requires custom, one-off solutions
- Subscription model adds complexity to feature development
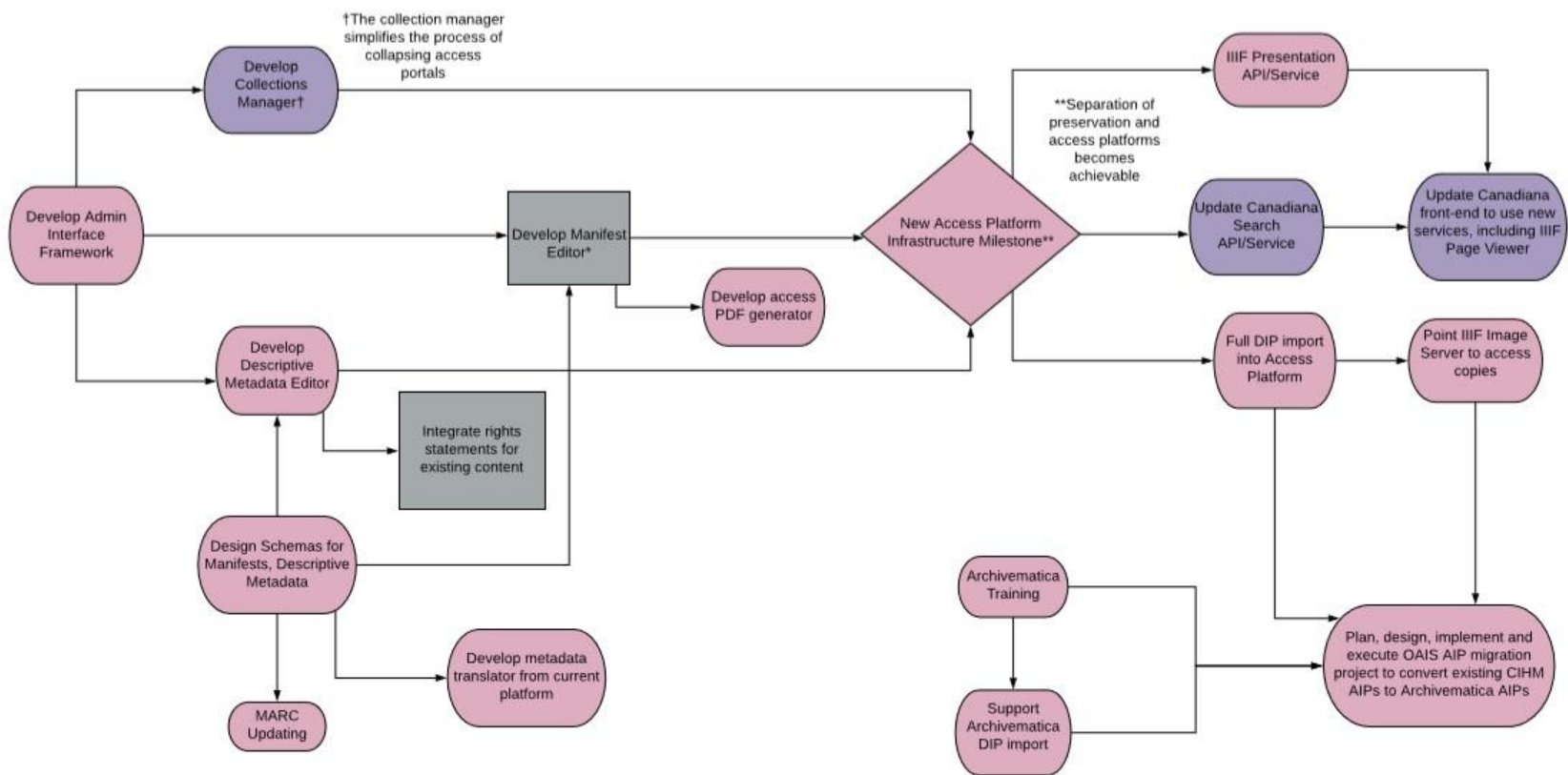- Limited staff resources

Platform Work

Goals

- Separate the preservation and access platforms to enable:
    - Descriptive metadata updates and image re-sequencing independent of preservation
    - Preservation independent of expectation of access
    - The maintenance of separate preservation and access copies of images

- Adoption of IIIF (International Image Interoperability Framework) standards

- Develop APIs for image viewing, document and collection presentation, and search

- Replace in-house custom components with widely-adopted external solutions (e.g., Archivematica, OpenStack Swift)

†The collection manager simplifies the process of collapsing access portals

Develop Collections Manager†

**Separation of preservation and access platforms becomes achievable

IIIF Presentation API/Service

Develop Admin Interface Framework

Develop Manifest Editor*

New Access Platform Infrastructure Milestone**

Update Canadiana Search API/Service

Update Canadiana front-end to use new services, including IIIF Page Viewer

Develop access PDF generator

Develop Descriptive Metadata Editor

Integrate rights statements for existing content

Full DIP import into Access Platform

Point IIIF Image Server to access copies

Design Schemas for Manifests, Descriptive Metadata

Archivematica Training

Plan, design, implement and execute OAIS AIP migration project to convert existing CIHM AIPs to Archivematica AIPs

Develop metadata translator from current platform

MARC Updating

Support Archivematica DIP import

Legend
Purple = User needs gathering opportunity

Grey square = required for open access

Ongoing Tasks

Reautomate the Ingest Process

Regular Maintenance & Updates

TDR Documentation Updates

Update Services Directory

Create new MAP & Metadata Bus Updates

Community Engagement

CRKN's Platform team is actively engaged in the community through the following:

- NHDS Technical Working Group

- IIIF Conference

- Access Conference

- Canadian Linked Data Initiative

- CARL Digital Preservation Working Group

Questions?

Digitization Projects

Digitization for Canadiana Collections

CIHM Periodicals on fiche	**completed** ✔
CIHM Monographs on fiche	**completed** ✔
CIHM Annuals on fiche	**in process**
Newspapers (in partnership with LAC)	**in process**
Héritage	**in process**

Digitization of Members Collections

University of Victoria Libraries, McGill University Archives

Digitization of Third Party Collections

Library of Parliament, Global Affairs

Canadiana Collections: Available at no charge

Canadiana Collections:

No-charge access

- As of January 1, 2019, the subscription paywall for Canadiana collections will be removed and the collections will be made available at no charge to users.

- This is made possible by the ongoing contributions of CRKN members and other key stakeholders through Heritage Content Access and Preservation (HCAP) fund

Canadiana Collections:

No-charge access

- Technical work largely complete

- Simplification of access models allows the subsequent step of consolidating entry points to Canadiana content

Canadiana Collections:

Open Access

- The PAC will be assessing the content to ensure that appropriate rights statements can be applied to the content

- Update access platform and metadata to reflect rights statements

Questions?

Joint NHDS & Canadiana Workshop on Documentary Heritage

Highlights

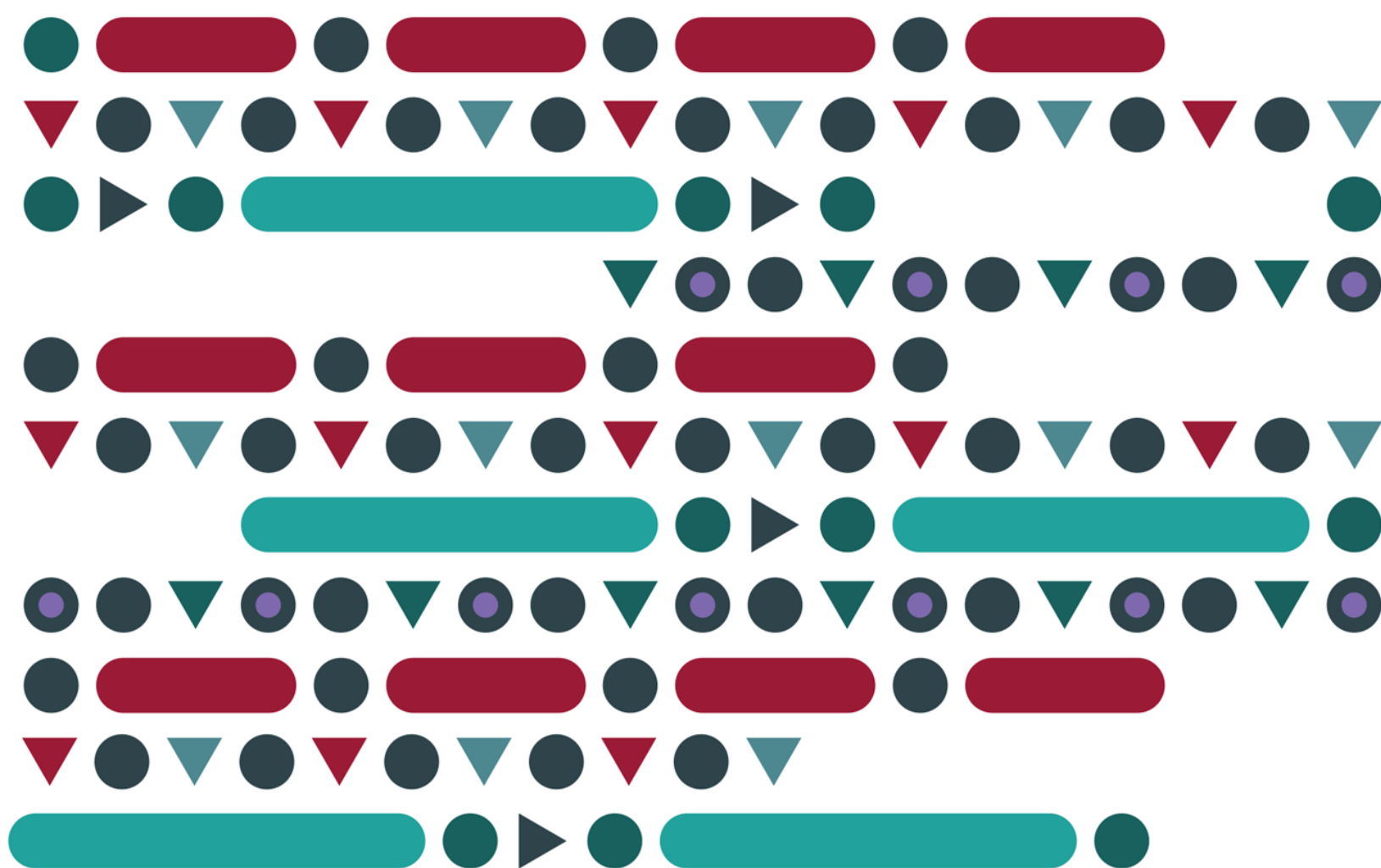*Keynote*

Highlights

Panel

Highlights

Interactive Session

Questions & Discussion

Émilie Fortin, Université Laval
Dana McFarland, Vancouver Island University
Sascha Adler, CRKN
Clare Appavoo, CRKN
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