“Why is this link dead? Aren’t government publications all online?”

Preserving digital federal content with the Canadian Government Information Private LOCKSS Network (CGI-PLN)

Mark Jordan, Simon Fraser University

Amanda Wakaruk, University of Alberta

Access Conference
September 26, 2013

Background

Government Records and Publications

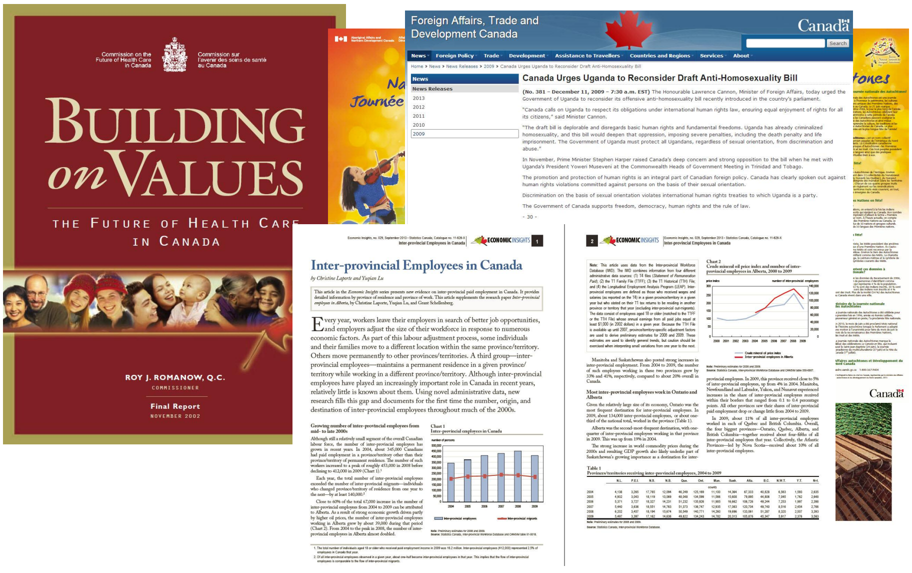
Library and Archives of Canada Act (S.C. 2004, c. 11)

- **“record”** means any documentary material ***other than a publication***, regardless of medium or form
- **“government record”** means a record that is under the control of a government institution
- **“publication”** means any ***library matter*** that is made available in multiple copies or at multiple locations, whether without charge or otherwise, to the public generally or to qualifying members of the public by subscription or otherwise. Publications may be made available through any medium and may be in any form, including printed material, on-line items or recordings

(Section 7) The objects of the Library and Archives of Canada are

> (*c*) to be the permanent repository of **publications of the Government of Canada** and of government and ministerial records that are of historical or archival value;
>
> (*d*) to facilitate the management of information by government institutions;

Government Publications: Depository Services Program (DSP)



Commission on the Future of Health Care in Canada

Commission sur l'avenir des soins de santé au Canada

BUILDING on VALUES

THE FUTURE OF HEALTH CARE IN CANADA

ROY J. ROMANOW, Q.C.

COMMISSIONER

Final Report

NOVEMBER 2002

Foreign Affairs, Trade and Development Canada

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Home > News > News Releases > 2009 > Canada Urges Uganda to Reconsider Draft Anti-Homosexuality Bill

News

News Releases

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Canada Urges Uganda to Reconsider Draft Anti-Homosexuality Bill

(No. 381 – December 11, 2009 – 7:30 a.m. EST) The Honourable Lawrence Cannon, Minister of Foreign Affairs, today urged the Government of Uganda to reconsider its offensive anti-homosexuality bill recently introduced in the country's parliament.

"Canada calls on Uganda to respect its obligations under international human rights law, ensuring equal enjoyment of rights for all its citizens," said Minister Cannon.

"The draft bill is deplorable and disregards basic human rights and fundamental freedoms. Uganda has already criminalized homosexuality, and this bill would deepen that oppression, imposing severe penalties, including the death penalty and life imprisonment. The Government of Uganda must protect all Ugandans, regardless of sexual orientation, from discrimination and abuse."

In November, Prime Minister Stephen Harper raised Canada's deep concern and strong opposition to the bill when he met with Uganda's President Yoweri Museveni at the Commonwealth Heads of Government Meeting in Trinidad and Tobago.

The promotion and protection of human rights is an integral part of Canadian foreign policy. Canada has clearly spoken out against human rights violations committed against persons on the basis of their sexual orientation.

Discrimination on the basis of sexual orientation violates international human rights treaties to which Uganda is a party.

The Government of Canada supports freedom, democracy, human rights and the rule of law.

- 30 -

Economic Insights, no. 029, September 2013 - Statistics Canada, Catalogue no. 11-626-X
Inter-provincial Employees in Canada | ECONOMIC INSIGHTS | 1

Inter-provincial Employees in Canada

by Christine Laporte and Yuqian Lu

This article in the *Economic Insights* series presents new evidence on inter-provincial paid employment in Canada. It provides detailed information by province of residence and province of work. This article supplements the research paper *Inter-provincial employees in Alberta*, by Christine Laporte, Yuqian Lu, and Grant Schellenberg.

Every year, workers leave their employers in search of better job opportunities, and employers adjust the size of their workforce in response to numerous economic factors. As part of this labour adjustment process, some individuals and their families move to a different location within the same province/territory. Others move permanently to other provinces/territories. A third group—inter-provincial employees—maintains a permanent residence in a given province/territory while working in a different province/territory. Although inter-provincial employees have played an increasingly important role in Canada in recent years, relatively little is known about them. Using novel administrative data, new research fills this gap and documents for the first time the number, origin, and destination of inter-provincial employees throughout much of the 2000s.

Growing number of inter-provincial employees from mid- to late 2000s

Although still a relatively small segment of the overall Canadian labour force, the number of inter-provincial employees has grown in recent years. In 2004, about 345,000 Canadians had paid employment in a province/territory other than their province/territory of permanent residence. The number of such workers increased to a peak of roughly 453,000 in 2008 before declining to 412,000 in 2009 (Chart 1).[1]

Each year, the total number of inter-provincial employees exceeded the number of inter-provincial migrants—individuals who changed province/territory of residence from one year to the next—by at least 140,000.[2]

Close to 60% of the total 67,000 increase in the number of inter-provincial employees from 2004 to 2009 can be attributed to Alberta. As a result of strong economic growth driven partly by higher oil prices, the number of inter-provincial employees working in Alberta grew by about 39,000 during that period (Chart 2). From 2004 to the peak in 2008, the number of inter-provincial employees in Alberta almost doubled.

Chart 1
Inter-provincial employees in Canada

Note: Preliminary estimates for 2008 and 2009.
Source: Statistics Canada, Inter-provincial Workforce Database and CANSIM table 51-0018.

[1] The total number of individuals aged 18 or older who received paid employment income in 2009 was 16.2 million. Inter-provincial employees (412,000) represented 2.5% of employees in Canada that year.

[2] Of all inter-provincial employees observed in a given year, about one-half became inter-provincial employees in that year. This implies that the flow of inter-provincial employees is comparable to the flow of inter-provincial migrants.

2 | ECONOMIC INSIGHTS | Economic Insights, no. 029, September 2013 - Statistics Canada, Catalogue no. 11-626-X
Inter-provincial Employees in Canada

Note: This article uses data from the Inter-provincial Workforce Database (IWD). The IWD combines information from four different administrative data sources: (1) T4 files (*Statement of Remuneration Paid*); (2) the T1 Family File (T1FF); (3) the T1 Historical (T1H) File; and (4) the Longitudinal Employment Analysis Program (LEAP). Inter-provincial employees are defined as those who received wages and salaries (as reported on the T4) in a given province/territory in a given year but who stated on their T1 tax returns to be residing in another province or territory that year (excluding inter-provincial out-migrants). The data consist of employees aged 18 or older (matched to the T1FF or the T1H File) whose annual earnings from all paid jobs equal at least $1,000 (in 2002 dollars) in a given year. Because the T1H File is available up until 2007, province/territory-specific adjustment factors are used to derive preliminary estimates for 2008 and 2009. These estimates are used to identify general trends, but caution should be exercised when interpreting small variations from one year to the next.

Manitoba and Saskatchewan also posted strong increases in inter-provincial employment. From 2004 to 2009, the number of such employees working in these two provinces grew by 33% and 41%, respectively, compared to about 20% overall in Canada.

Most inter-provincial employees work in Ontario and Alberta

Given the relatively large size of its economy, Ontario was the most frequent destination for inter-provincial employees. In 2009, about 134,000 inter-provincial employees, or about one-third of the national total, worked in the province (Table 1).

Alberta was the second-most-frequent destination, with one-quarter of inter-provincial employees working in that province in 2009. This was up from 19% in 2004.

The strong increase in world commodity prices during the 2000s and resulting GDP growth also likely underlie part of Saskatchewan's growing importance as a destination for inter-provincial employees. In 2009, this province received close to 5% of inter-provincial employees, up from 4% in 2004. Manitoba, Newfoundland and Labrador, Yukon, and Nunavut experienced increases in the share of inter-provincial employees received within their borders that ranged from 0.1 to 0.4 percentage points. All other provinces saw their shares of inter-provincial paid employment drop or change little from 2004 to 2009.

In 2009, about 11% of all inter-provincial employees worked in each of Quebec and British Columbia. Overall, the four biggest provinces—Ontario, Quebec, Alberta, and British Columbia—together received about four-fifths of all inter-provincial employees that year. Collectively, the Atlantic Provinces—led by Nova Scotia—received about 10% of all inter-provincial employees.

Chart 2
Crude mineral oil price index and number of inter-provincial employees in Alberta, 2000 to 2009

Note: Preliminary estimates for 2008 and 2009.
Source: Statistics Canada, Inter-provincial Workforce Database and CANSIM table 330-0007.

Table 1
Provinces/territories receiving inter-provincial employees, 2004 to 2009

	N.L.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	N.W.T.	Y.T.	Nvt.
							counts						
2004	4,138	3,265	17,765	12,094	46,249	125,169	11,100	14,364	67,333	40,828	6,563	1,593	2,635
2005	4,902	3,043	18,119	13,069	48,048	134,599	11,566	15,608	79,895	44,806	7,045	1,762	2,648
2006	5,371	3,727	18,327	14,231	51,232	135,926	11,985	16,662	106,726	49,244	7,253	1,997	2,398
2007	5,440	3,636	18,551	14,763	51,373	136,747	12,935	17,063	120,704	49,740	8,516	2,454	2,766
2008	6,202	3,457	18,194	15,674	50,549	140,771	14,260	19,696	133,061	51,287	8,320	2,507	3,393
2009	5,497	3,397	17,162	14,636	49,822	134,243	14,782	20,313	105,876	45,347	5,917	2,376	3,563

Note: Preliminary estimates for 2008 and 2009.
Source: Statistics Canada, Inter-provincial Workforce Database.

The DSP does not collect publications from all federal government agencies, nor does it collect Statistics Canada publications or items that fall outside the definition of "publication" which includes news releases and backgrounders.

See TBS Procedures for Publishing for more information: http://www.tbs-sct.gc.ca/pol/doc-eng.aspx?section=text&id=27167

Recent Timeline of Cdn Govt Pubs

2008

- Common Look and Feel Internet Standard (late 1990s, lost pdfs, databases)
- Library and Archives Canada (LAC) stops web archiving programs

2010

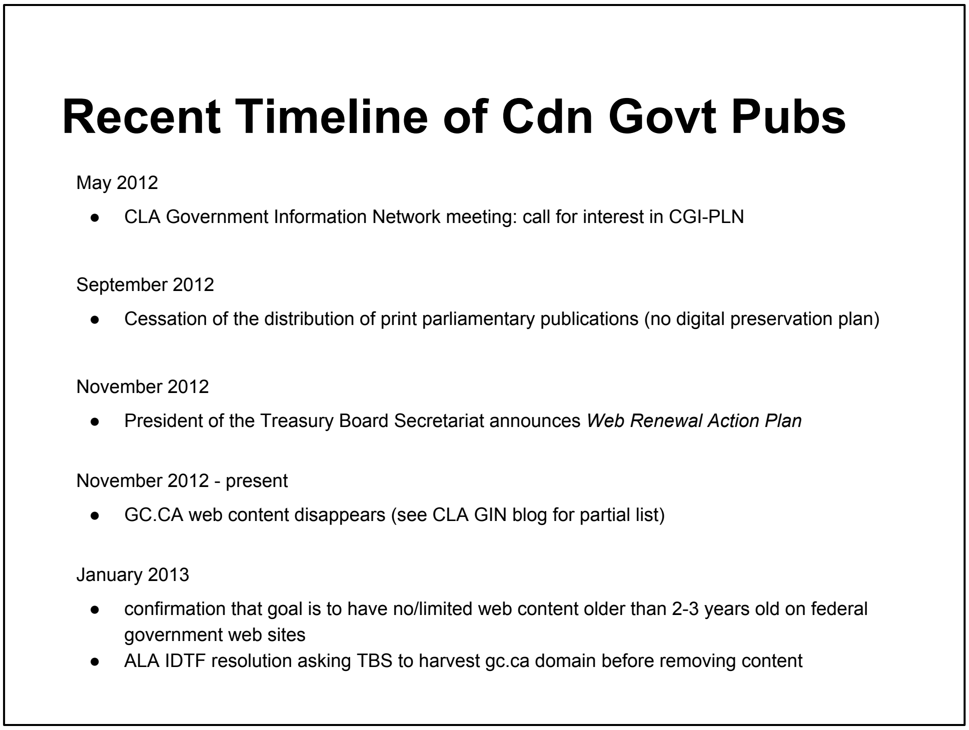
- Crown Copyright Licensing Program allows non-commercial reuse of pubs
- Cessation of print parliamentary committee documents (no digital preservation plan)

2010 - December 2012

- Budget reduction (e.g., CISTI 70%) and closure of numerous federal libraries
- Virtual Library announced as part of *Canada's Action Plan on Open Government*

April 2012 (http://freegovinfo.info/node/3677)

- Depository Services Program *Deficit Reduction Action Plan*
- Library and Archives Canada loses major funding, 450 jobs affected (215 lost)



Recent Timeline of Cdn Govt Pubs

May 2012

- CLA Government Information Network meeting: call for interest in CGI-PLN

September 2012

- Cessation of the distribution of print parliamentary publications (no digital preservation plan)

November 2012

- President of the Treasury Board Secretariat announces *Web Renewal Action Plan*

November 2012 - present

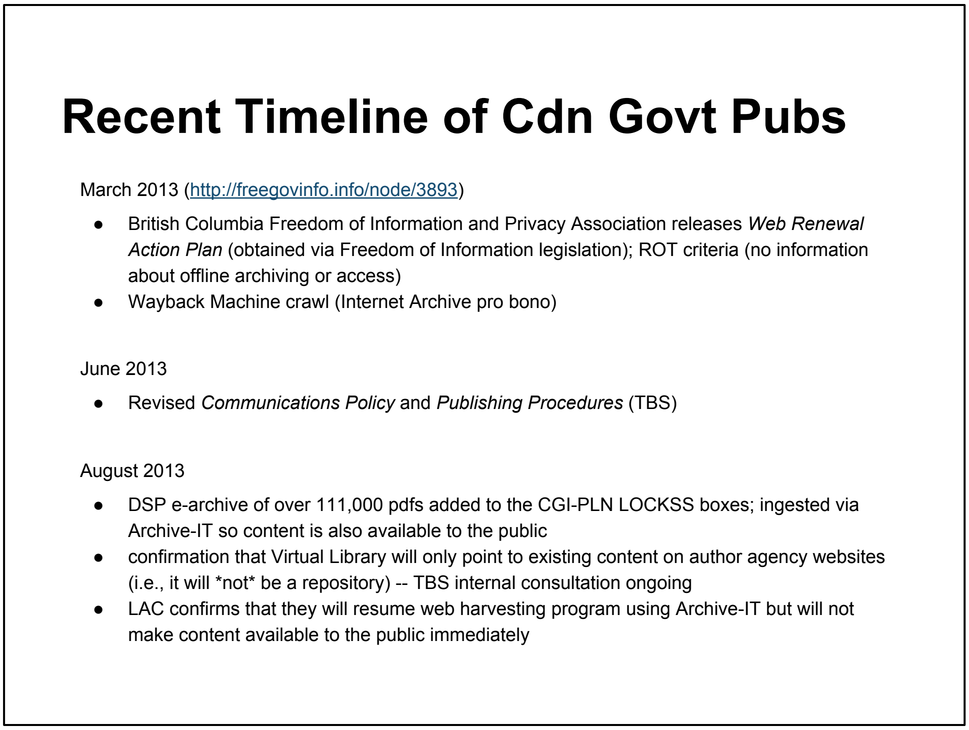
- GC.CA web content disappears (see CLA GIN blog for partial list)

January 2013

- confirmation that goal is to have no/limited web content older than 2-3 years old on federal government web sites
- ALA IDTF resolution asking TBS to harvest gc.ca domain before removing content

Speaking Notes for the Honourable Tony Clement, President of the Treasury Board of Canada - "Using Technology to Challenge the Status Quo in Government Operations" - references the Web Renewal Action Plan: http://www.tbs-sct.gc.ca/media/ps-dp/2012/1106a-eng.asp

CLA GIN Blog: http://agiig.wordpress.com/



Recent Timeline of Cdn Govt Pubs

March 2013 (http://freegovinfo.info/node/3893)

- British Columbia Freedom of Information and Privacy Association releases *Web Renewal Action Plan* (obtained via Freedom of Information legislation); ROT criteria (no information about offline archiving or access)
- Wayback Machine crawl (Internet Archive pro bono)

June 2013

- Revised *Communications Policy* and *Publishing Procedures* (TBS)

August 2013

- DSP e-archive of over 111,000 pdfs added to the CGI-PLN LOCKSS boxes; ingested via Archive-IT so content is also available to the public
- confirmation that Virtual Library will only point to existing content on author agency websites (i.e., it will *not* be a repository) -- TBS internal consultation ongoing
- LAC confirms that they will resume web harvesting program using Archive-IT but will not make content available to the public immediately

Web Renewal Action Plan
http://fipa.bc.ca/library/Government%20Documents/GoC_web_plan_Part1.pdf
http://fipa.bc.ca/library/Government%20Documents/GoC_web_plan_Part2.pdf

ROT Criteria
http://www.tbs-sct.gc.ca/ws-nw/wu-fe/rot-rid/index-eng.asp

LOCKSS Program

LOCKSS = Lots of Copies Keeps Stuff Safe

- tamper evident, distributed preservation system
- based at Stanford; http://www.lockss.org/

Five Principles

1. libraries have local control of assets
2. perpetual access is guaranteed
3. preserve original version
4. decentralized, distributed preservation
5. affordable

LOCKSS for US Documents

- replicates Federal Depository Library Program in the digital environment
- 36 libraries and GPO participating (at least two Canadian partners)

Canadian Government Information Private LOCKSS Network (CGI-PLN)

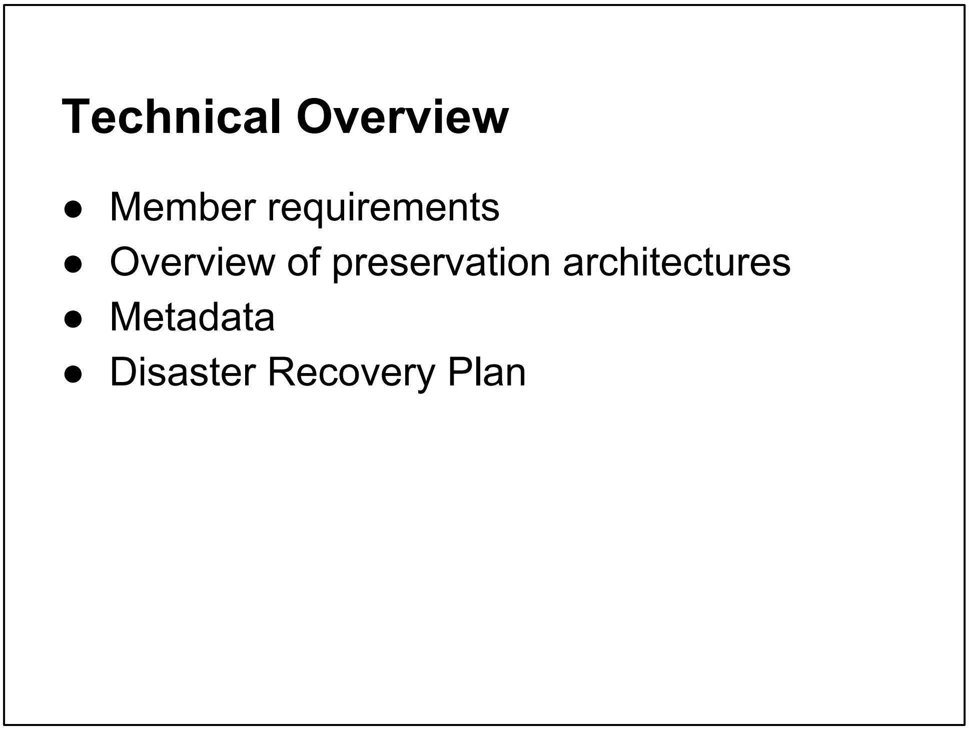
http://plnwiki.lockss.org/wiki/index.php/CGI_network

Policies

- Governance
- Collection and Access

Committees

- Steering
- Technical



Technical Overview

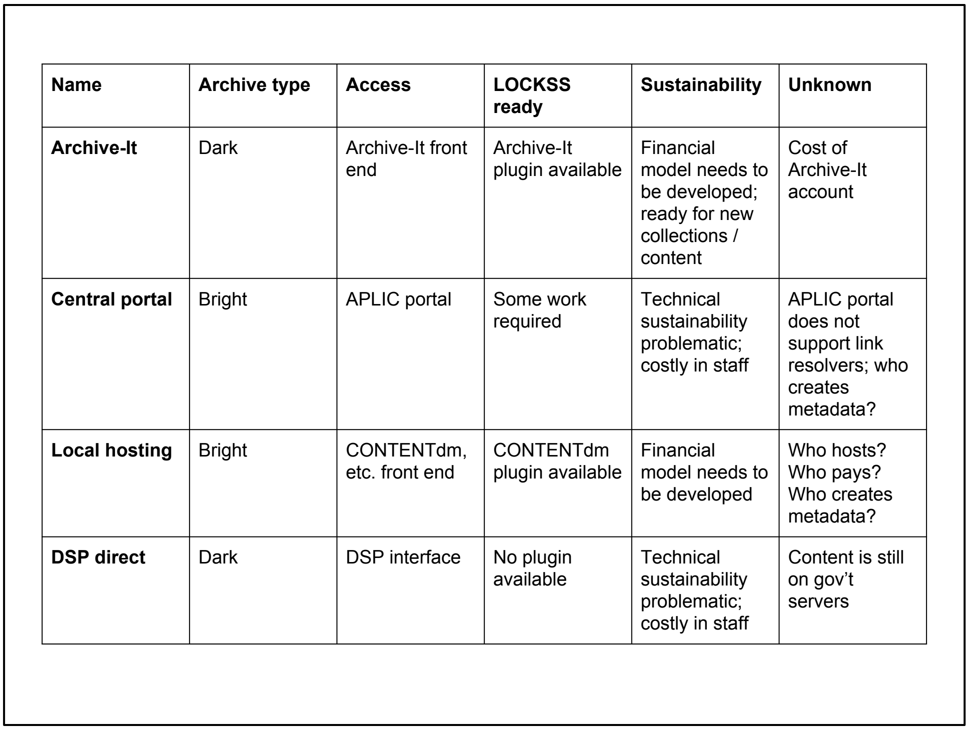
- Member requirements
- Overview of preservation architectures
- Metadata
- Disaster Recovery Plan

Member Technical Requirements

- LOCKSS box
  - 2 TB storage (for now)
- Ongoing technical administration
  - Enabling new content
- Technical Subcommittee

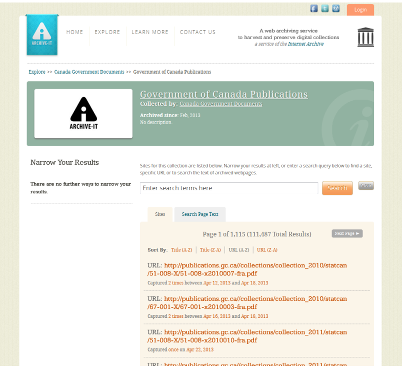
Preservation Architectures: Criteria

- Access front end
- Access / proxy integration
- LOCKSS plugin exists
- Pros
- Cons
- Sustainability
- Unknowns



Name	Archive type	Access	LOCKSS ready	Sustainability	Unknown
Archive-It	Dark	Archive-It front end	Archive-It plugin available	Financial model needs to be developed; ready for new collections / content	Cost of Archive-It account
Central portal	Bright	APLIC portal	Some work required	Technical sustainability problematic; costly in staff	APLIC portal does not support link resolvers; who creates metadata?
Local hosting	Bright	CONTENTdm, etc. front end	CONTENTdm plugin available	Financial model needs to be developed	Who hosts? Who pays? Who creates metadata?
DSP direct	Dark	DSP interface	No plugin available	Technical sustainability problematic; costly in staff	Content is still on gov't servers

Archive-It



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A web archiving service
to harvest and preserve digital collections
a service of the Internet Archive

Explore >> Canada Government Documents >> Government of Canada Publications

Government of Canada Publications
Collected by: Canada Government Documents

Archived since: Feb, 2013
No description.

Narrow Your Results

There are no further ways to narrow your results.

Sites for this collection are listed below. Narrow your results at left, or enter a search query below to find a site, specific URL or to search the text of archived webpages.

Enter search terms here | Search | Clear

Sites | Search Page Text

Page 1 of 1,115 (111,487 Total Results) | Next Page ►

Sort By: Title (A-Z) | Title (Z-A) | URL (A-Z) | URL (Z-A)

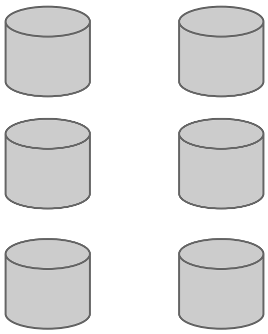
URL: http://publications.gc.ca//collections/collection_2010/statcan/51-008-X/51-008-x2010007-fra.pdf
Captured 2 times between Apr 12, 2013 and Apr 18, 2013

URL: http://publications.gc.ca//collections/collection_2010/statcan/67-001-X/67-001-x2010003-fra.pdf
Captured 2 times between Apr 16, 2013 and Apr 18, 2013

URL: http://publications.gc.ca//collections/collection_2011/statcan/51-008-X/51-008-x2010010-fra.pdf
Captured once on Apr 22, 2013

URL: http://publications.gc.ca//collections/collection_2011/statcan

LOCKSS PLN



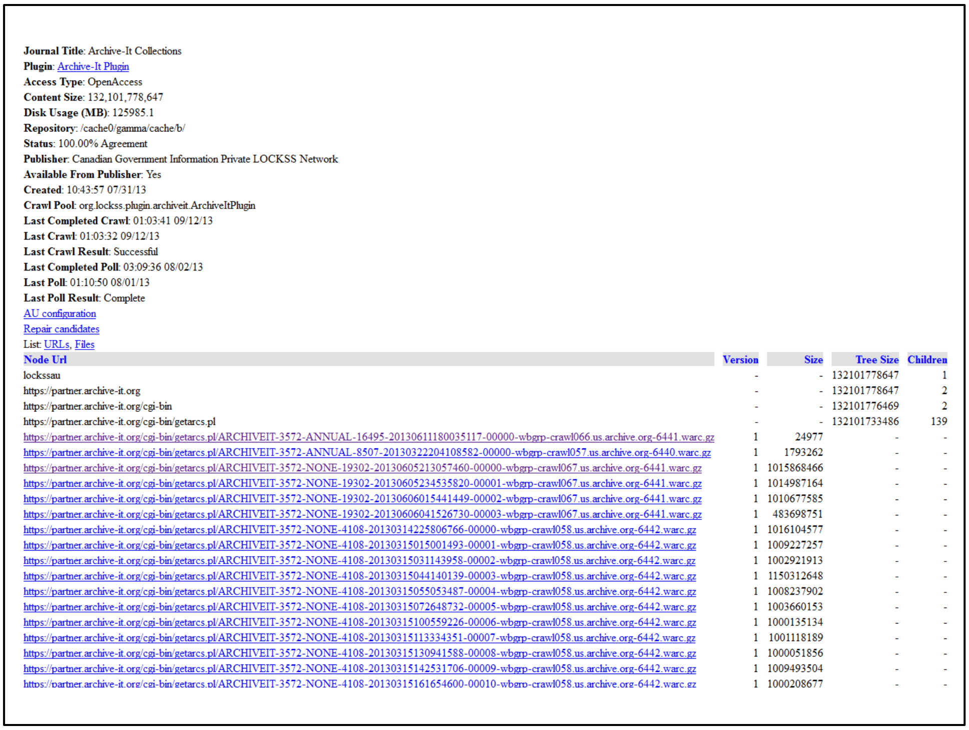
WARCs

Metadata

- Depository Services Program Catalogue files, quarterly updates
- MARC records for local ILS/discovery layer loads
  - Links to both the DSP original and the Archive-It URL
- Linking preserved document and metadata

Disaster Recovery

No plan so far. But we have all the WARCs.



Journal Title: Archive-It Collections
Plugin: Archive-It Plugin
Access Type: OpenAccess
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Disk Usage (MB): 125985.1
Repository: /cache0/gamma/cache/b/
Status: 100.00% Agreement
Publisher: Canadian Government Information Private LOCKSS Network
Available From Publisher: Yes
Created: 10:43:57 07/31/13
Crawl Pool: org.lockss.plugin.archiveit.ArchiveItPlugin
Last Completed Crawl: 01:03:41 09/12/13
Last Crawl: 01:03:32 09/12/13
Last Crawl Result: Successful
Last Completed Poll: 03:09:36 08/02/13
Last Poll: 01:10:50 08/01/13
Last Poll Result: Complete
AU configuration
Repair candidates
List: URLs, Files

Node Url	Version	Size	Tree Size	Children
lockssau	-	-	132101778647	1
https://partner.archive-it.org	-	-	132101778647	2
https://partner.archive-it.org/cgi-bin	-	-	132101776469	2
https://partner.archive-it.org/cgi-bin/getarcs.pl	-	-	132101733486	139
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Over 111k PDFs at this point

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WARC-IP-Address: 205.193.152.47
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Content-Length: 341516

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Server: Apache/2.2.3 (Linux/SUSE)
Last-Modified: Fri, 18 Jan 2013 14:08:33 GMT
ETag: "b74028-534ff-4d390a58bda40"
Accept-Ranges: bytes
Content-Length: 341247
Connection: close
Content-Type: application/pdf


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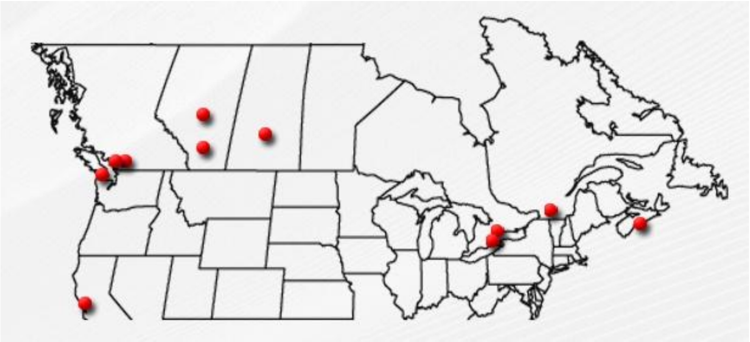
0000000998 00000 n
```

Moving Forward

- other collections?
  - provincial? municipal? IGO?
  - LAC WARC files of GoC web harvests?
  - coordination of web harvesting (Government Information Day, November 1, Toronto)
- new members (contact amanda.wakaruk@ualberta.ca)

Canadian Government Information Private LOCKSS Network



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University of Saskatchewan
University of Toronto / Scholars Portal
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Questions?

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amanda.wakaruk@ualberta.ca @awakaruk

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