UNIVERSITY OF ALBERTA
LIBRARIES

Community Tools and Best Practices for Harvesting and Preserving At-Risk Web Content

ACA 2013

Scott Reed, Internet Archive
Amanda Wakaruk, University of Alberta Libraries
Kelly E. Lau, University of Alberta Libraries

Archive-It

a web archiving service of the
Internet Archive since 2006

Scott Reed
Partner Specialist
Archive-It

What is a web archive?

A web archive is a collection of archived URLs grouped by theme, event, subject area, or web address.

A web archive contains as much as possible from the original resources and documents the change over time. It is a priority to recreate the same experience a user would have had if they had visited the live site on the day it was archived.

How long does a website live?

- A report in **Scientific American** claims 44 days.
- A subsequent academic study in **IEEE** suggests 75 days.
- A **Washington Post** article indicates the number is 100 days.
- A recent study by **ODU** says that after the first year of publishing, nearly 11% of social media will be lost and after that we will continue to lose 0.02% per day

History of Web Archiving

1996: Internet Archive founded and begins archiving the web

2001: Wayback Machine launches

2002: First release of Heritrix (web crawler)

2003: International Internet Preservation Consortium formed with 12 participating institutions, there are now 39 members

2006: Archive-It launches as one of the first web archiving services

2009: WARC file, the file format generated by Heritrix becomes an ISO standard.

2013: 260 Archive-It partners

Use Cases

- Create a thematic/topical web archive
- Capture web content that relates to traditional collecting activity around the same thematic focus
- Mandate to preserve institutional memory and history
- Support an electronic records system to meet record retentions requirements
- Capture state/ local agency publications no longer being deposited in print form, and collect and aggregate state/ local government websites
- Closure crawls

About the service

Archive-It is a subscription service deployed in February 2006

- **Web based application** that allows users to create, manage, access and store collections of digital content
- The service is a **fully hosted solution**, and includes access and storage.
- **Provides tools for selection and scoping** including cataloging with metadata
- Ability to **capture content using 10 different crawl frequencies**
- Archived content includes: html, videos, PDFs, images, + more
- **Can browse archived content 24 hours after a capture is complete**; and full text search is available within 7 days
- **Restricted access options** are available

Subscription Based Service

- Many different account levels depending on the amount of data captured and frequency of crawls.
- Only billed for current subscription year's collecting activity.
- Long term access and storage (2 copies) of archived content is not dependent on continued subscription to the service.
- We work with individual institutions as well as consortiums.
- Free Trial Accounts are offered to archive up to five websites and discuss scope of your organization's web archiving plan and budget.
- Subscription includes Partner Specialist user support and technical support.

Accessing Content

Explore Collections | Find a Collection by Name | Search | *Show All Collections*

Human Rights Documentation Initiative

By University of Texas at Austin Libraries, Human Rights Documentation Initiative

The University of Texas Libraries' Human Rights Documentation Initiative Collection features fragile websites containing human rights documentation and related...

Virginia's Political Landscape, 2010

By Library of Virginia

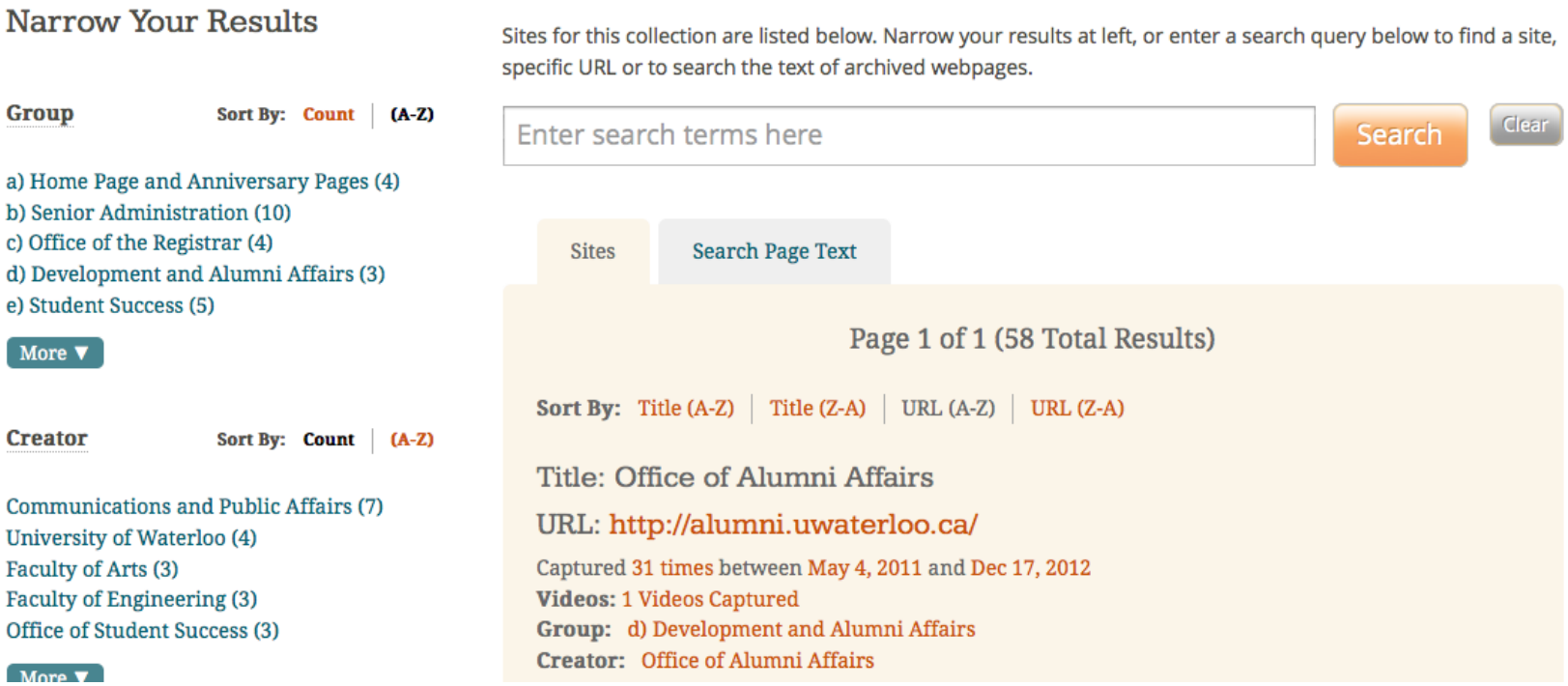
A collection of Web sites that document Virginia's 2010 Congressional elections (primary and general). All 11 members of Virginia's Congressional...

Avery Library

By Columbia University Libraries

A collection of websites chosen by subject specialists from the Avery Architectural and Fine Arts Library at Columbia University.

Accessing Content



Accessing Content

You are viewing an archived web page, collected at the request of National Gallery of Canada Library and Archives using Archive-It. This page was captured on 20:11:31 May 08, 2013, and is part of the National Gallery of Canada / Musée des beaux-arts du Canada collection. The information on this web page may be out of date. See All versions of this archived page. Metadata
Enable QA
hide

How Archive-It Works

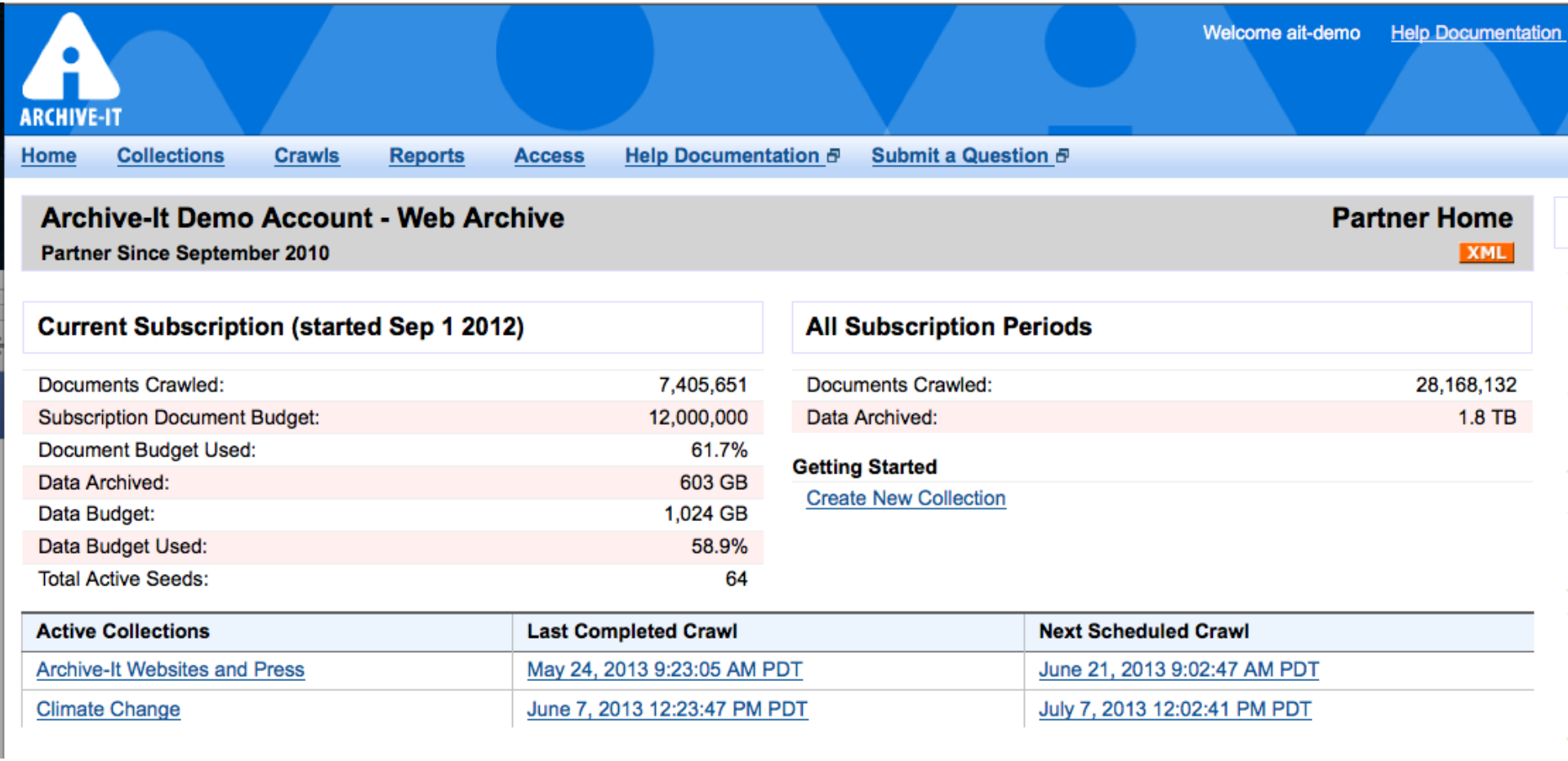
- Crawlers (also known as spiders or robots) are pieces of software that visit websites and index the information included therein (think of Google – it works because of crawlers).

- To archive the Web, Archive-It crawls websites and captures a copy of the information and files displayed on selected websites.

How Archive-It Works

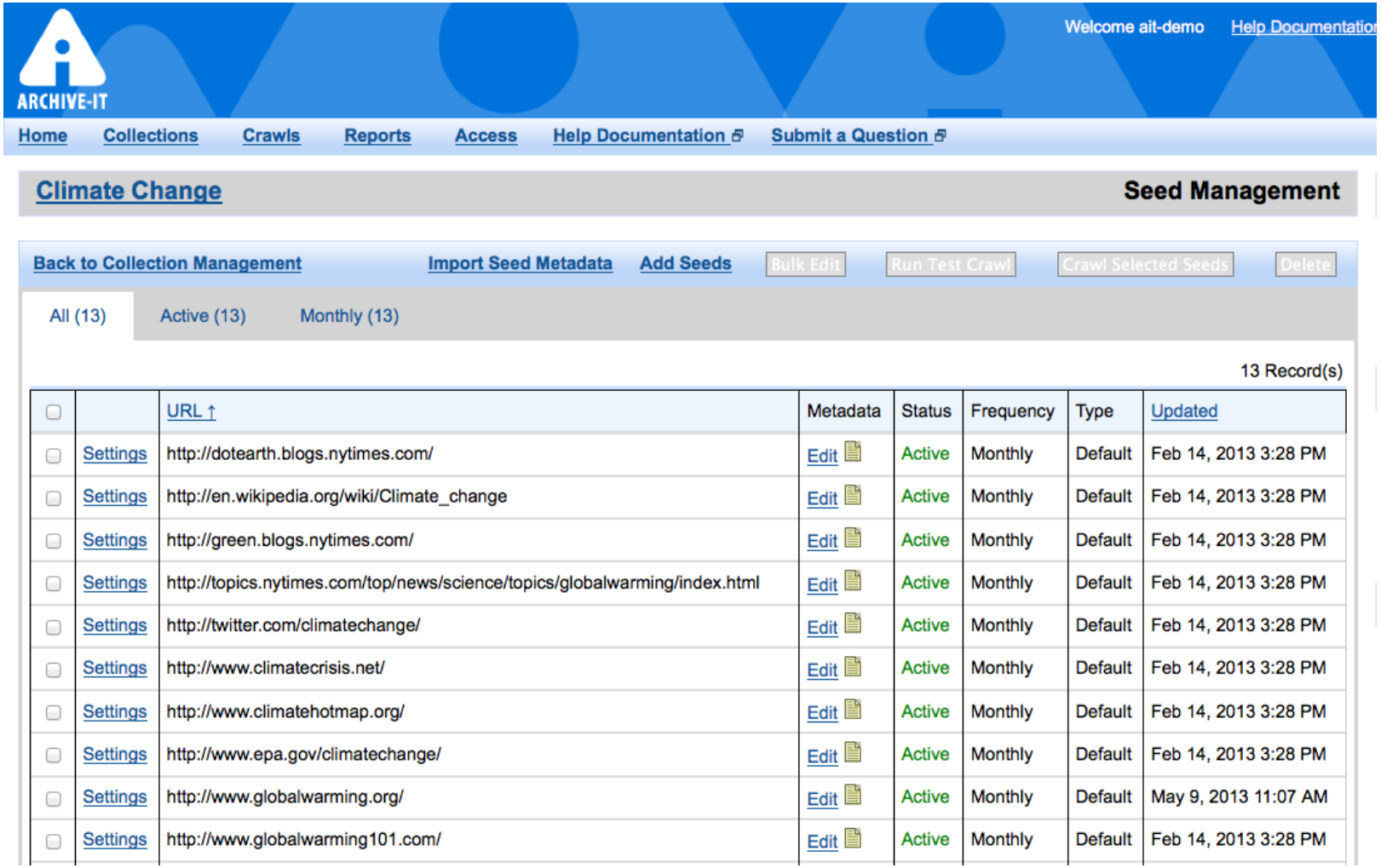
1. Starts with your seed URL(s)
2. Checks if those URLs are reachable, and archives them
3. Check embedded content – what does it need to render the page? (CSS, Javascript, Images, etc.)
4. Look for links to other pages, checks if those pages are 'in scope', and archives them
5. Keeps going until either:
   - Cannot locate any more links that are in scope, or
   - Hits the maximum time or data limit for the crawl

Inside the Web Application



Inside the Web Application

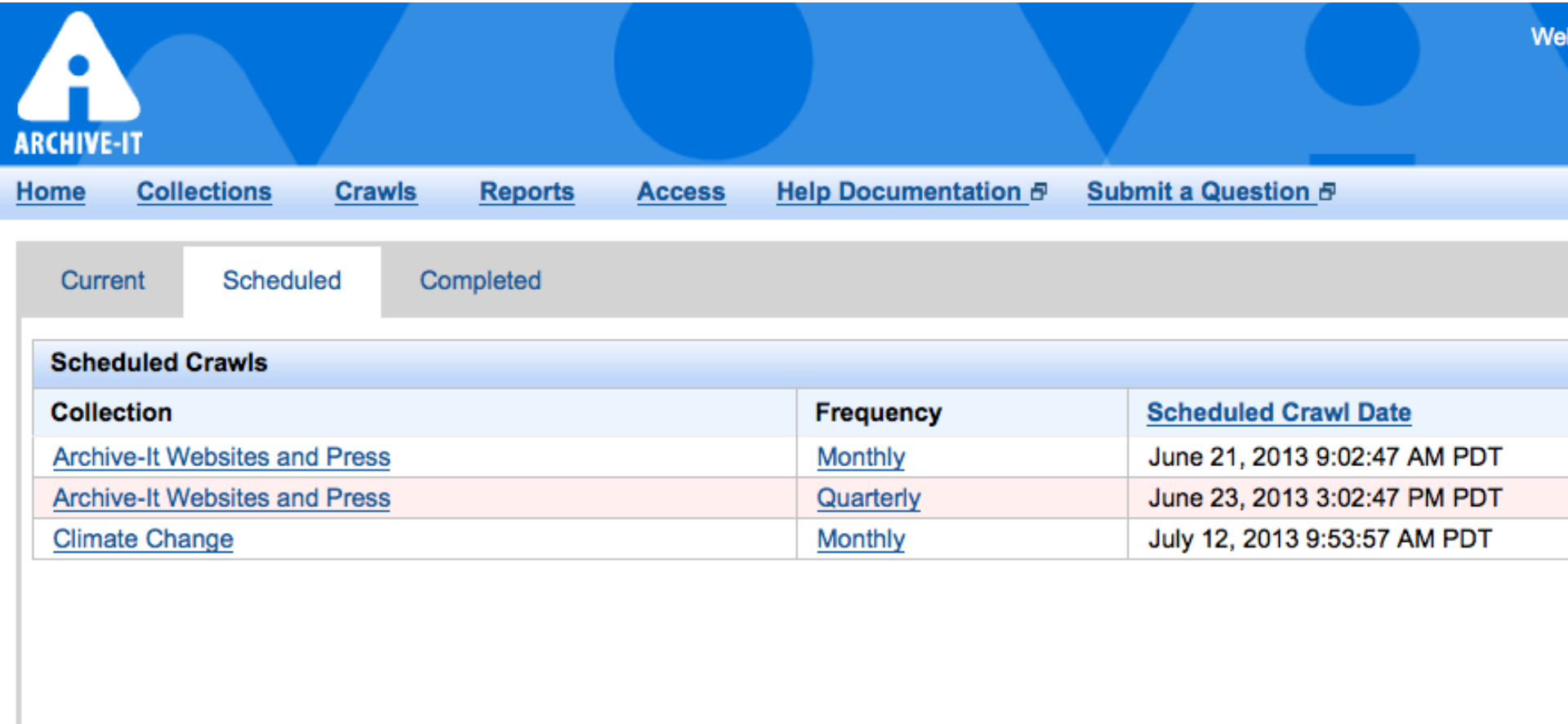
Managing Collections and Seeds



		URL ↑	Metadata	Status	Frequency	Type	Updated
☐	Settings	http://dotearth.blogs.nytimes.com/	Edit	Active	Monthly	Default	Feb 14, 2013 3:28 PM
☐	Settings	http://en.wikipedia.org/wiki/Climate_change	Edit	Active	Monthly	Default	Feb 14, 2013 3:28 PM
☐	Settings	http://green.blogs.nytimes.com/	Edit	Active	Monthly	Default	Feb 14, 2013 3:28 PM
☐	Settings	http://topics.nytimes.com/top/news/science/topics/globalwarming/index.html	Edit	Active	Monthly	Default	Feb 14, 2013 3:28 PM
☐	Settings	http://twitter.com/climatechange/	Edit	Active	Monthly	Default	Feb 14, 2013 3:28 PM
☐	Settings	http://www.climatecrisis.net/	Edit	Active	Monthly	Default	Feb 14, 2013 3:28 PM
☐	Settings	http://www.climatehotmap.org/	Edit	Active	Monthly	Default	Feb 14, 2013 3:28 PM
☐	Settings	http://www.epa.gov/climatechange/	Edit	Active	Monthly	Default	Feb 14, 2013 3:28 PM
☐	Settings	http://www.globalwarming.org/	Edit	Active	Monthly	Default	May 9, 2013 11:07 AM
☐	Settings	http://www.globalwarming101.com/	Edit	Active	Monthly	Default	Feb 14, 2013 3:28 PM

Inside the Web Application

Scheduling and monitoring crawls



Inside the Web Application

Post Crawl Reports

Climate Change

Monthly (ID #20130612165438762)

Crawl Report

Started: June 12, 2013 9:54:38 AM
Completed: June 12, 2013 10:41:08 AM

<< Back to Reports **Scope-It Crawl Explorer**

Summary | Hosts | Seed Status | Seed Source | File Types | PDFs | Videos | QA

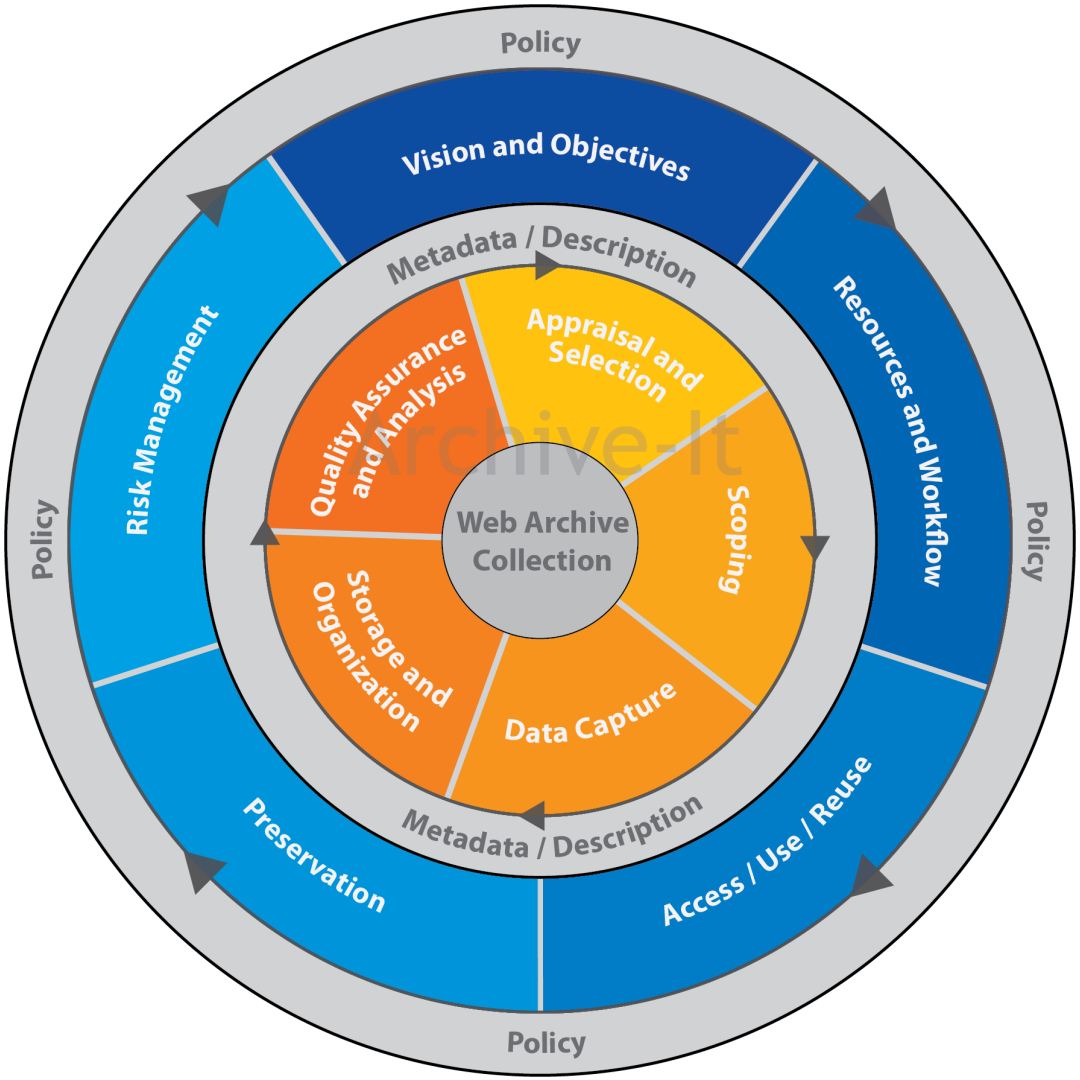
PDFs **Download**

The PDF report lists all the PDF files that were crawled (including both new and unchanged PDFs). This information is available 4 hours after a crawl completes. If it has already been more than 4 hours since the crawl completed, then there were no PDFs discovered in this crawl.

17 Record(s)

URL	New URL?		Metadata
http://www.epa.gov/climatechange/Downloads/Climate_Change_Ecosystems.pdf	duplicate	All Captures	Add
http://www.epa.gov/climatechange/Downloads/Climate_Change_Health.pdf	duplicate	All Captures	Add
http://www.epa.gov/climatechange/Downloads/Climate_Change_Science_Facts.pdf	duplicate	All Captures	Add
http://www.epa.gov/climatechange/Downloads/Climate_Change_Society.pdf	duplicate	All Captures	Add
http://www.epa.gov/climatechange/Downloads/ghgemissions/GHG-Inventory-Publi...	new	All Captures	Add
http://www.epa.gov/climatechange/Downloads/ghgemissions/US-GHG-Inventory-20...	duplicate	All Captures	Add
http://www.epa.gov/climatechange/Downloads/ghgemissions/US-GHG-Inventory-20...	new	All Captures	Add
http://www.epa.gov/climatechange/Downloads/ghgemissions/US-GHG-Inventory-20...	new	All Captures	Add
http://www.epa.gov/climatechange/Downloads/ghgemissions/fact-sheet-oil-and-...	duplicate	All Captures	Add
http://www.epa.gov/climatechange/Downloads/wycd/Climate_Basics.pdf	duplicate	All Captures	Add
http://www.epa.gov/climatechange/Downloads/wycd/wycd-home.pdf	duplicate	All Captures	Add
http://www.epa.gov/climatechange/Downloads/wycd/wycd-office.pdf	duplicate	All Captures	Add

The Web Archiving Life Cycle Model



Archive-It 4.8

May 2013

- Ability to import metadata
- Restrict access by IP address
- Quality Assurance while browsing (Wayback QA)
- Alpha feature: password protected content

Archive-It 5.0

Release: Q1 2014

- Complete user interface overhaul
- Alternate capture mechanisms for media rich sites and social media (Facebook, Youtube, etc)
- Visualization tools to analyze archived content

+ more Archive-it Partner requested features

Learn More

Sign up for an Informational Webinar at
www.archive-it.org

scott@archive.org
Facebook: Archive-It
Twitter: @archiveitorg
Blog: blog.archive-it.org

2013 Archive-It Partner Meeting in Salt Lake City, Utah
Tuesday, November 12

Community Tools and Best Practices for Harvesting and Preserving At-Risk Web Content

Amanda Wakaruk, MLIS, MES
Government Information Librarian

Kelly E. Lau, MAS, MLIS
Digital Curation Librarian

UNIVERSITY OF ALBERTA
LIBRARIES

The Book Cellar

Digital Initiatives Unit

DIGITAL INITIATIVES

The University of Alberta Libraries are committed to furthering knowledge through digitization, digital preservation and digital repositories for research and historical content.

Our Initiatives:

Digitization

We are strongly committed to digitization and making library collections available online.

Education and Research Archive

ERA is a service to collect, widely distribute, and preserve the intellectual output of the University of Alberta.

Peel's Prairie Provinces

An unparalleled collection of digitized materials reflecting western Canadian history and the culture of the Canadian prairies. Contains

Web Archiving

We use Archive-IT to collect web content of importance to the UofA community that is at risk of being lost, deleted, or forgotten over time.

LIBRARIES

DATABASES | JOURNALS | SUBJECTS | LIBRARIES | MY ACCOUNT | SERVICES

SEARCH ALL UOFA ARCHIVE-IT COLLECTIONS

Search Web Archive

BROWSE ARCHIVE-IT COLLECTIONS

All University of Alberta Websites

Alberta Education Curriculum Collection

Canadian Business Grey Literature Collection

Circumpolar Collection

Energy/Environment Collection

Government Information Collection

Health Sciences Grey Literature Collection

Heritage Community Foundation Online Encyclopedia

Idle No More

Contains **any** of:
alberta oil royalties

Contains **all** of:

Exact phrase:

Not containing:

From the Host:
ex. www.archive-it.org

Results per host:
1 (default)

File format:
All formats

Capture date range:
From:
To:

Collections:
- [x] University of Alberta Websites
- [x] Alberta Education Curriculum

Collection/Collection Pédagogique
- [x] HCF Alberta Online Encyclopedia
- [x] Prairie Provinces Politics & Economics
- [x] Circumpolar Collection
- [x] Government Information Collection
- [x] Web Archive - General
- [x] Energy/Environment Collection
- [x] Canadian Business Grey Literature

Collection
- [x] Health Sciences Grey Literature

Collection
- [x] Humanities Computing
- [x] Idle No More

Advanced Search

Help with Search

Search Page Text

Page 1 of 9,723 (194,454 To[illegible] Next Page ►

Sort By: Best Match

Alberta Energy: About Oil Royalties

Collection: Government Information Collection
URL: http://www.energy.alberta.ca/Oil/771.asp
This text was captured on Oct 24, 2011 **Show All Captures**
Alberta Energy: About **Oil Royalties** Skip To Navigation Skip To Content Using this Site Contact Us Search Alberta.ca > Energy Home > Our Business > **Oil** > Royalty Information > About **Royalties** About Us... System Information Letters Feed Back Comments and Questions Website feedback About **Oil Royalties**... in Kind Subscription to this page Historical Royalty Data Joint Industry/**Alberta** Energy Crown **Oil** and... Posted June, 2010, effective January 1, 2011 **Alberta** Royalty Framework formulas **Oil Alberta** Royalty Framework formulas Natural Gas **Alberta** Royalty Framework **Oil** Graphs **Alberta** Royalty Framework Natural... Investment Phase 1 Competitiveness Review News Release - **Alberta** delivers on **oil** and gas competitiveness (March 11, 2010) Energizing Investment A Framework to Improve **Alberta's** Conventional **Oil** and...
Content: text/html Size: 34 KB
More Results from **energy.alberta.ca**

NDP calls for new review of oil royalties :: News Releases :: Alberta's New Democrats

Collection: Prairie Provinces Politics & Economics
URL: http://albertandp.ca/news/details/ndp_calls_for_new_review_of_oil_royalties
This text was captured on Oct 25, 2012 **Show All Captures**
NDP calls for new review of **oil royalties** :: News Releases :: **Alberta's** New Democrats Home News Our... calls for new review of **oil royalties** February 05, 2008 **Alberta** NDP Leader Brian Mason today traveled to the site of **Alberta's** first major **oil** strike, which led to the province's present prosperity, to highlight the importance of **oil** and gas to the province and call for a new royalty system. "**Oil** and gas created most of the wealth of **Alberta**," said Mason, "So it's important to get the royalty scheme... not given **Alberta** Energy documents showing **royalties** could go up much higher without hurting the... whether or not an Alaska level of **royalties** is appropriate for **Alberta**. "The Conservatives tried to... about 20% - giving their political donors in the **oil** patch a$4 billion gift." "**Alberta** needs more...
Content: text/html Size: 16 KB
More Results from **albertandp.ca**

NDP to raise royalties on oil - Alberta Votes 2012 - CBC News

Collection: Prairie Provinces Politics & Economics
URL: http://www.cbc.ca/news/canada/albertavotes2012/story/2012/04/02/albertavotes2012-ndp-oilsands-royalties.html
This text was captured on Apr 02, 2012 **Show All Captures**
NDP to raise **royalties** on **oil** - **Alberta** Votes 2012 - CBC News Accessibility Links Skip to main content Skip to NDP to raise **royalties** on **oil** Skip to supplementary story content Skip to related news... Health Arts & Entertainment Technology & Science Community Weather Video Canada Edmonton **Alberta** Votes 2012 Vote Compass Divisions NDP to raise **royalties** on **oil** Mason would require new oilsands projects to upgrade in **Alberta** CBC News Posted: Apr 2, 2012 2:00 PM MT Last Updated: Apr 2, 2012 2:14 PM... **royalties** on **oil** The NDP said it will hike **royalties** and force all new oilsands projects to upgrade... require all new oilsands developments to upgrade bitumen in **Alberta**. (CBC) Related Story Content Accessibility Links The NDP said it will hike **royalties** and force all new oilsands projects to upgrade...

UNIVERSITY OF ALBERTA LIBRARIES

University of Alberta

Archive-It Partner Since: Dec, 2009
Organization Type: Colleges & Universities
Organization URL: http://www.library.ualberta.ca/
Description: The University of Libraries has an active digital initiatives and collections program, which includes the following service areas: web archiving, digitization, research data curation, digital repository development, spatial data, metadata and digital preservation.

Narrow Your Results

Subject Sort By: Count | (A-Z)

Society & Culture (3)
Universities & Libraries (3)
Arts & Humanities (1)
Government (1)
Metadata Test - Collection Level Subject (1)

More ▼

Creator Sort By: Count | (A-Z)

Alberta Education (1)
Elaine Coupland (1)
Heritage Community Foundation (1)
Second Creator Name (1)

Publisher Sort By: Count | (A-Z)

Publisher 1 (1)
Publisher 2 (1)

Contributor Sort By: Count | (A-Z)

Contributor 1 (1)
Contributor 2 (1)

Date Sort By: Count | (A-Z)

15 April 2013 (1)
2010- (1)
2013-04-15 (1)
April 15 2013 (1)
Text date 1 (1)

More ▼

Type Sort By: Count | (A-Z)

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

Enter search terms here | Search | Clear

Collections | Sites | Search Page Text

Page 1 of 1 (12 Total Results)

Sort By: Collection Name (A-Z) | Collection Name (Z-A)

Alberta Education Curriculum Collection/Collection Pédagogique

Archived since: Jul, 2010
Description: This material is provided under educational reproduction permissions included in Alberta Education's Copyright and Disclosure Statement, see terms at http://education.alberta.ca/using/copyright.aspx. This Statement requires the following identification: "The source of the materials is [Alberta Education] http://www.education.alberta.ca/. The use of these materials by the end user is done without any affiliation with or endorsement by the Government of Alberta. Reliance upon the end user's use of these materials is at the risk of the end user."
Creator: Alberta Education
Date: 2010-
Collector: University of Alberta Libraries

Canadian Business Grey Literature Collection

Archived since: Oct, 2012
Description: Canadian Business Grey Literature

Circumpolar Collection

Archived since: Mar, 2011
Description: Publications and websites of interest to circumpolar studies.

Energy/Environment Collection

Archived since: Oct, 2012
Description: Energy and Environment websites.

Government Information Collection

Archived since: Oct, 2011

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.

alberta energy | Search | Clear

The following results were found for the term(s): **alberta energy**

- 7 Sites were found.
- Additional results for **alberta energy** may be found by searching within the page text.

Sites | Search Page Text

Page 1 of 1 (7 Total Results)

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

Title: **Alberta Energy** - Information Letters Search

URL: http://inform.energy.gov.ab.ca/

Description: Searchable database of information letters published by **Alberta Energy**.
No Captures were found for this URL
Subject: carbon capture and storage, natural resources, oil sands, Aboriginal affairs, electricity, coal, petroleum, natural gas, wind energy, energy conservation, utilities
Creator: **Alberta Energy**
Language: English
Coverage: Canada--Alberta

Title: **Alberta Energy**

URL: http://www.energy.alberta.ca/

Description: **Alberta Energy** manages the development of province's non-renewable resources including coal, minerals, natural gas, petrochemicals, conventional oil and oil sands and renewable energy (wind, bioenergy, solar, hydro, geothermal, etc.) grants industry the right to explore for and develop energy and mineral resources establishes, administers and monitors the effectiveness of fiscal and royalty systems promotes energy efficiency and conservation by both Albertans and industry encourages additional investment that creates jobs and economic prosperity.
Captured 9 times between Oct 24, 2011 and Mar 25, 2013
Videos: 98 Videos Captured
Subject: carbon capture and storage, natural resources, oil sands, Aboriginal affairs, electricity, coal, petroleum, natural gas, wind energy, energy conservation, utilities
Creator: **Alberta Energy**
Language: English
Coverage: Canada--Alberta

Title: Energy Resources Conservation Board

URL: http://www.ercb.ca/

Description: The Energy Resources Conservation Board (ERCB) is an independent, quasi-judicial

UNIVERSITY OF ALBERTA LIBRARIES

Government Information Collection Web Archive (University of Alberta)

INTERNET ARCHIVE WayBackMachine

Enter Web Address: http:// All Take Me Back

Searched for http://www.energy.alberta.ca/ 9 Results RSS Metada

Look up URL in general Internet Archive web collection Proxy Mode He

* denotes when page was updated

Found 9 Captures between Oct 24, 2011 - Mar 25, 2013		
2011	2012	2013
2 pages	6 pages	1 page
Oct 24, 2011 *	Jan 9, 2012 *	Mar 25, 2013 *
Dec 9, 2011 *	Feb 9, 2012 *	
	Mar 9, 2012 *	

You are viewing an archived web page, collected at the request of University of Alberta using Archive-It. This page was captured on 17:54:49 Oct 24, 2011, and is part of the Government Information Collection collection. The information on this web page may be out of date. See All versions of this archived page. hide

Publications

Alberta's Oil and Gas Tenure Brochure

The information contained in this publication is of an explanatory nature, and is intended to provide an overview of Alberta's petroleum and natural gas land tenure system. [April 2003]

Alberta's Energy Industry Overview

Oil Sands and Conventional Oil, Natural Gas, Petrochemicals, Minerals, Electricity, Energy Sector Highlights and Economic Impact and Hydrocarbon Resources. [2011]

You are viewing an archived web page, collected at the request of University of Alberta using Archive-It. This page was captured on 20:38:58 Mar 25, 2013, and is part of the Government Information Collection collection. The information on this web page may be out of date. See All versions of this archived page. hide

Publications

Alberta's Oil and Gas Tenure Brochure

The information contained in this publication is of an explanatory nature, and is intended to provide an overview of Alberta's petroleum and natural gas land tenure system. [April 2003]

Alberta's Energy Industry Overview

Oil Sands and Conventional Oil, Natural Gas, Petrochemicals, Minerals, Electricity, Energy Sector Highlights and Economic Impact and Hydrocarbon Resources. [2012]

Canadian Government Information Private LOCKSS Network (CGI-PLN)

University of Victoria
University of British Columbia
Simon Fraser University
Stanford University
University of Alberta
University of Calgary
University of Saskatchewan

University of Toronto / Scholar's Portal
Legislative Assembly of Ontario
McGill University
Dalhousie University

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

ARCHIVE-IT

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

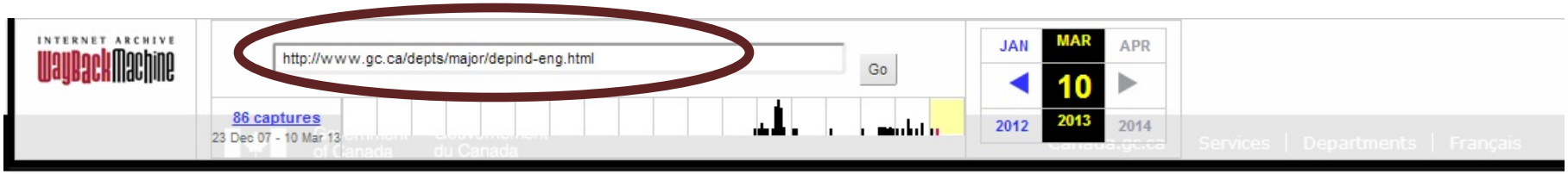
Page 1 of 1,116 (111,520 Total Results) Next Page ►

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

URL: http://publications.gc.ca/collections/collection_2008/statcan/21-012-X/21-012-XIE2008001.pdf
Captured 2 times between Apr 14, 2013 and Apr 23, 2013

URL: http://publications.gc.ca/collections/collection_2008/statcan/21-012-X/21-012-XIF2008001.pdf
Captured 2 times between Apr 15, 2013 and Apr 18, 2013

URL: http://publications.gc.ca/collections/collection_2008/statcan/21-013-X/21-013-x2008002-eng.pdf



Government of Canada

Canada

Search

About Canada | About Government | Resource Centre | Help

Home > About Government > Departments and Agencies

Departments and Agencies

This page provides an alphabetical listing of links to Government of Canada Departments, Agencies, Crown Corporations, Special Operating Agencies and various affiliated organizations.

If the name of the organization you are looking for is not listed, try consulting the *Financial Administration Act*. It contains information on all current Government of Canada departments, agencies, Crown corporations and special operating agencies, and also includes a listing of organizations that no longer exist or that have been privatized.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

- Aboriginal Affairs and Northern Development Canada
  - First Nations Statistical Institute
  - Indian Oil and Gas Canada
  - Indian Residential Schools
- Agriculture and Agri-Food Canada
  - Canadian Biodiversity Information Facility
  - Canadian Pari-Mutuel Agency
- Assisted Human Reproduction Canada
- Atlantic Canada Opportunities Agency
- Atlantic Pilotage Authority
- Atlas of Canada - Natural Resources Canada

UAL Collection Policy (excerpt)

Our policy for collection development is that we **acquire appropriate materials for both current and future research or teaching needs** at the University of Alberta. We will consider acquiring information in **any format needed** to support the University's academic programs. We endeavour to acquire quality materials that are appropriate in meeting the needs of the wide range of subject areas taught and researched at the University of Alberta. We also endeavour to **preserve the materials we acquire**, in order to meet the needs of future researchers.

UAL Web Archiving Policy (excerpts)

ACCESS: contents will be made publicly available

OWNERSHIP: remains with the website owner

AUTHORIZATION: we cannot authorize re-use

TAKE-DOWN: we will evaluate requests from content owners to remove content

LIABILITY: we will not be held liable for actions of website owners

http://www.library.ualberta.ca/webarchive/

Born Digital Working Group

Members

- AUL, Information Resources
- Collections Manger
- Librarians: Govt Info, Circumpolar, Business, HSS, Digital Curation Librarian (intern), Music (former intern)
- BITS: 1 support staff member, 2 librarians

Policies and Procedures

- Web Archiving Policy
- Web Archiving Guidelines (2): Selectors and Collection Managers (in progress)
- Metadata and Cataloguing Policy

Access = Metadata

Metadata Needs Assessed on a Collection Basis

- Mixed model of metadata
- Traditional document level: full, brief, use warrant access points
- Non-traditional: Archive-IT text search/widgets, metadata
- Ongoing:
  - Examine options for metadata creation (e.g., copy cataloguing, outsourcing)
  - Investigate discovery access options (e.g., Symphony, EDS, AI Portal, others?)
  - Developing use cases (sub-group of BDWG)

Item Information | More Information | Catalogue Record

Mis-à-jour Giant [electronic resource] : Projet d'assainissement de la mine Giant

Projet d'assainissement de la mine Giant (Canada)

Corporate Author:	Projet d'assainissement de la mine Giant (Canada)
Title:	Mis-à-jour Giant [electronic resource] : Projet d'assainissement de la mine Giant.
Electronic access:	Free Access
Publication info:	[Yellowknife] : Indian and Northern Affairs Canada, [2008]
Physical description:	1 online resource.
General Note:	Distributed by the Government of Canada Depository Services Program.
General Note:	"QS-Y289-005-FF-A1".
General Note:	Also published under the title: The Giant update, Giant Mine Remediation Project.
Added Entry-Corporat:	Canada. Indian and Northern Affairs Canada.
Added Entry-Corporat:	Northwest Territories.
Govt Canada class#:	R76-1/2007F-PDF
key:	6062544

Item Information | More Information | Catalogue Record

A climate change resource book for journalists [electronic resource]

Bramley, Matthew J.

Personal Author:	Bramley, Matthew J.
Title:	A climate change resource book for journalists [electronic resource] / Matthew Bramley.
Electronic access:	Free Access
Publication info:	Drayton Valley, Alta. : Pembina Institute for Appropriate Development, 2000.
Physical description:	1 electronic text.
General Note:	Also published in French under the title: Livret-ressources sur le changement climatique destiné aux journalistes.
Added Entry-Corporat:	Pembina Institute for Appropriate Development.
ISBN:	0921719345
ISBN:	9780921719342
key:	5577928

Item Information | More Information | Catalogue Record

Equine technician [electronic resource]

Alberta. Alberta Education.

Corporate Author:	Alberta. Alberta Education.
Title:	Equine technician [electronic resource].
Electronic access:	Free Access
Publication info:	[Edmonton] : Alberta Education, 2009.
Physical description:	1 electronic text (3 p.)
Series Added Entry-Uniform Title:	Alberta curriculum guides.
Running title:	Green Certificate Program (Senior High)
Corporate subject:	Alberta. Alberta Agriculture. Green Certificate Program.
Subject term:	Horses--Study and teaching (Secondary)--Alberta.
Subject term:	Horsemen and horsewomen--Alberta.
Technical details:	Mode of access: Internet.
Contents Note:	Equine operations and care 33 -- Equine processes and practices 33 -- Equine support systems 33.
Series Statement:	([Alberta curriculum guides])
key:	5360314

Sites | Search Page Text

Page 1 of 1 (1 Total Results)

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

Title: **Equine** Technician

URL: http://education.alberta.ca/media/1106757/equine_p[illegible].pdf

Captured 12 times between Oct 19, 2010 and Apr 26, 2013

Subject: **equine** technician, programs of study, program of studies, curriculum guide, senior high school, grade 10, grade 11, grade 12, division 4, division four, division IV, green certificate program

Language: English

Date: 2009

Rights: This material is provided under educational reproduction permissions included in Alberta Education's Copyright and Disclosure Statement, see terms at http://education.alberta.ca/using/copyright.aspx. This Statement requires the following identification: "The source of the materials is [Alberta Education] http://www.education.alberta.ca/. The use of these materials by the end user is done without any affiliation with or endorsement by the Government of Alberta. Reliance upon the end user's use of these materials is at the risk of the end user."

☑ Document metadata is publicly visible?

Note: All fields are repeatable. Clicking "Add" will create a new value for a metadata field, clicking "Remove" will delete it.

Dublin Core

Title		Add
	Equine Technician Remove	
Creator		Add
Subject		Add
	equine technician Remove	
	programs of study Remove	
	program of studies Remove	
	curriculum guide Remove	
	senior high school Remove	
	grade 10 Remove	
	grade 11 Remove	
	grade 12 Remove	
	division 4 Remove	
	division four Remove	
	division IV Remove	
	green certificate program Remove	
Description		Add
Publisher		Add
Contributor		Add
Date		Add
	2009 Remove	
Type		Add
Format		Add
Identifier		Add
Source		Add
Relation		Add
Coverage		Add
Rights		Add
	This material is provided under educational reproduction permissions included in Alberta Education's Copyright and Disclosure Statement, see terms at http://education.alberta.ca/admin/copyright.aspx. This Statement requires the following identification: "The source of the materials is [Alberta Education] http://www.education.alberta.ca/. The use of these materials by the end user is done without any affiliation with or endorsement by the Government of Alberta. Reliance upon the end user's use of these materials is at the risk of the end user." Remove	
Collector		Add
Language		Add
	English Remove	

Welcome amanda.wakaruk | Help Documentation | Admin | Settings | Archive This! | Reset Password | English

Home | Collections | Crawls | Reports | Access | Help Documentation | Submit a Question

University of Alberta - Web Archive

Partner Since December 2009

Partner Home XML

Current Subscription (started Dec 15 2012)

Documents Crawled:	31,282,998
Subscription Document Budget:	18,000,000
Document Budget Used:	173.8%
Data Archived:	1.4 TB
Data Budget:	1,536 GB
Data Budget Used:	94.0%
Total Active Seeds:	438

All Subscription Periods

Documents Crawled:	51,873,466
Data Archived:	2.7 TB

Getting Started

Create New Collection

Active Collections	Last Completed Crawl	Next Scheduled Crawl
Alberta Education Curriculum Collection/Collection Pédagogique	April 26, 2013 7:11:05 PM MDT	July 24, 2013 9:20:10 AM MDT
Canadian Business Grey Literature Collection	May 17, 2013 1:27:37 PM MDT	
Circumpolar Collection	May 23, 2013 11:10:36 AM MDT	June 20, 2013 11:09:50 AM MDT
Energy/Environment Collection	April 22, 2013 1:22:32 PM MDT	
Government Information Collection	June 11, 2013 10:18:59 AM MDT	Crawl in Progress
Health Sciences Grey Literature Collection	June 6, 2013 8:51:44 AM MDT	Crawl in Progress
Humanities Computing	February 27, 2013 1:31:17 PM MST	
Idle No More	June 11, 2013 2:23:49 PM MDT	June 11, 2013 9:35:56 PM MDT
Prairie Provinces Politics & Economics	June 9, 2013 10:13:11 AM MDT	June 13, 2013 10:11:52 AM MDT
University of Alberta Websites	June 11, 2013 2:31:18 PM MDT	Crawl in Progress
Web Archive - General	June 6, 2013 2:53:14 PM MDT	

Welcome to Archive-It

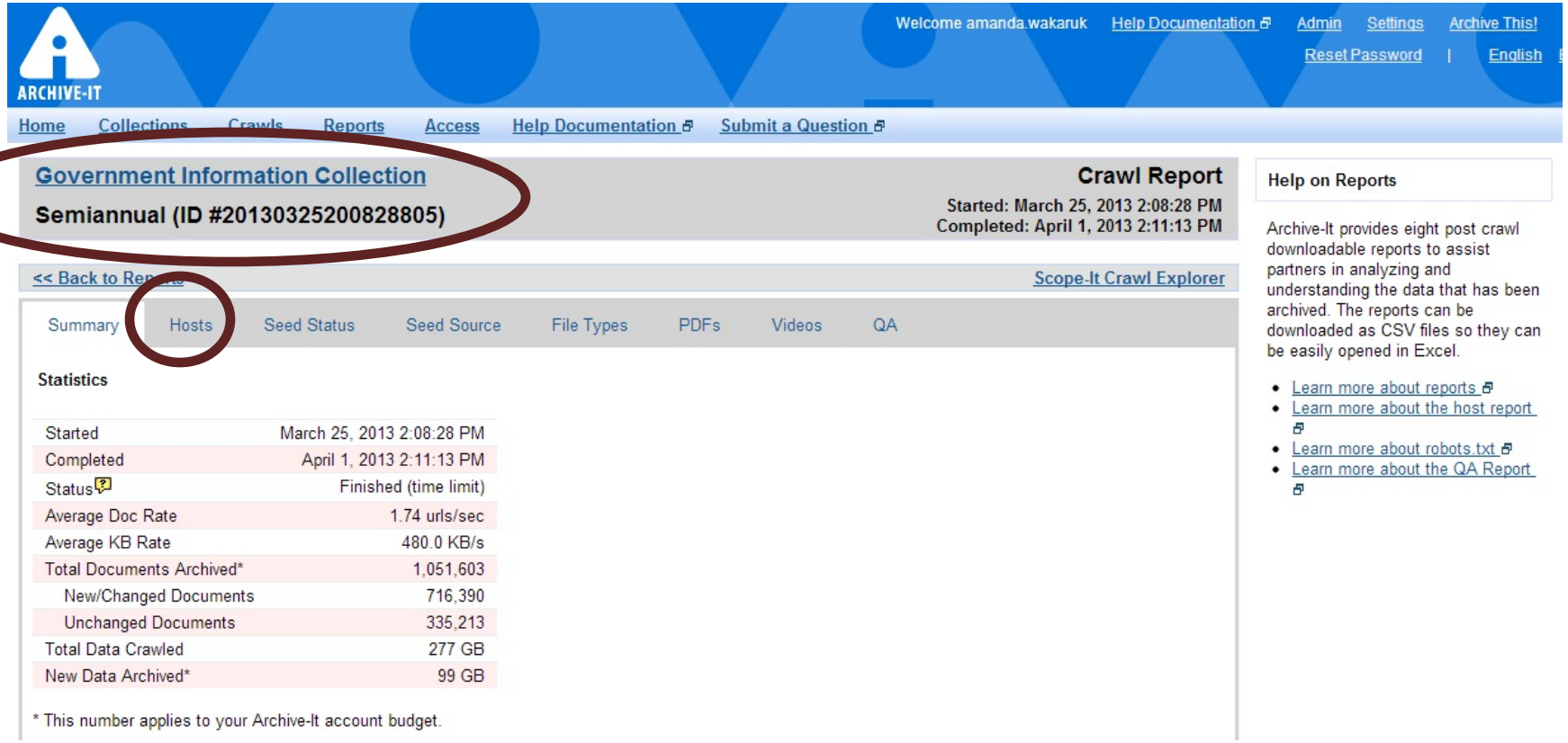
This home view gives you an overview of your account activity including subscription start date and budget.

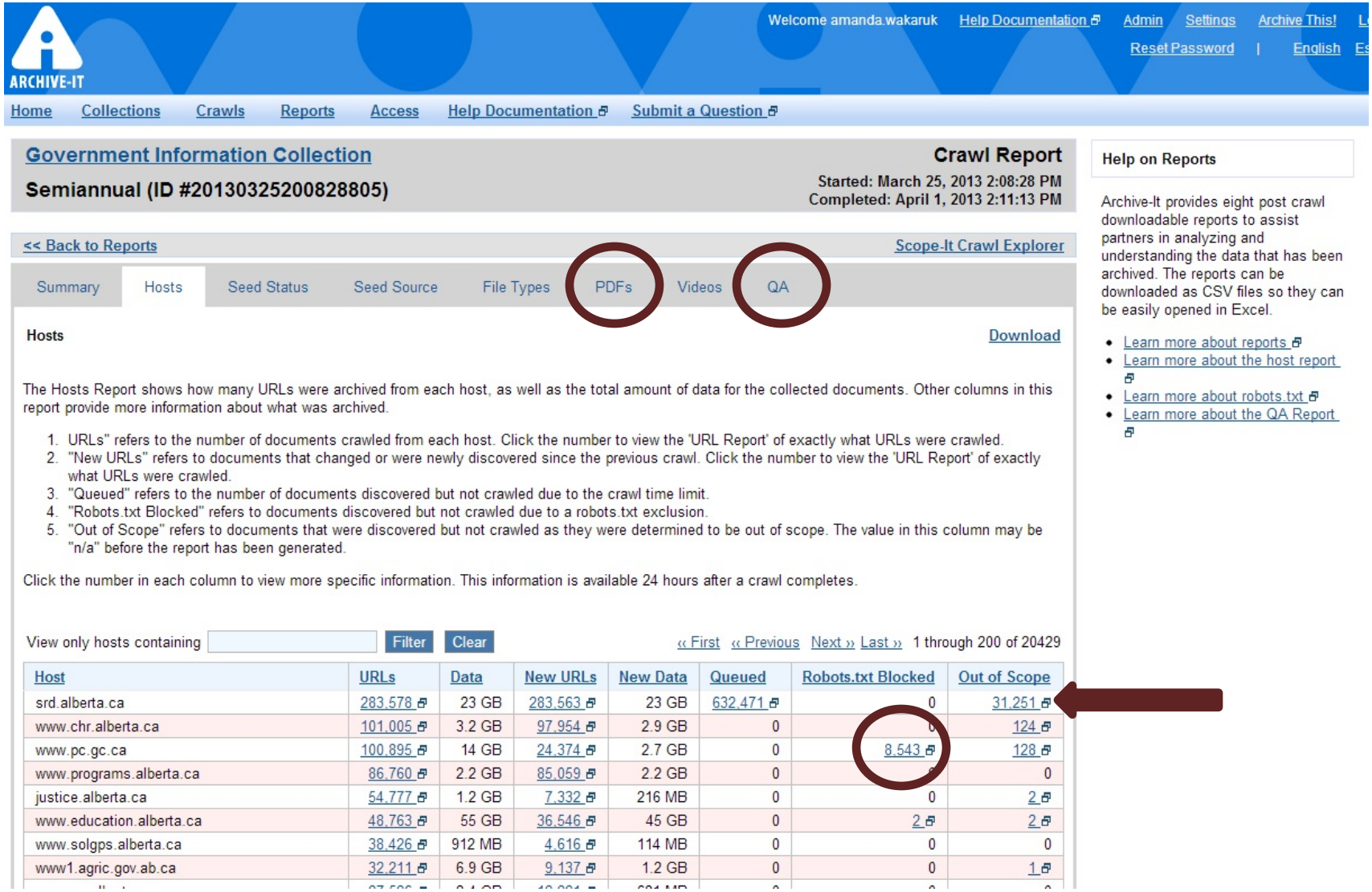
To create a new collection, click the "create new collection" link from the "collections" drop down menu at the top of the screen.

To manage existing collections, select a collection from the "collections" drop down menu at the top of the screen. You can also get to your active collections by using the links under "active collections" at the bottom of the screen. Information about current or upcoming crawls is available under the "crawls" link at the top of the screen.

- Learn more about getting started with Archive-It
- Frequently Asked Questions about Archive-It
- Glossary of Web Archiving Terms

If you need assistance, please submit a support question


ARCHIVE-IT
Welcome amanda.wakaruk
Help Documentation
Admin
Settings
Archive This!
Reset Password
English
Home
Collections
Crawls
Reports
Access
Help Documentation
Submit a Question
Government Information Collection
Semiannual (ID #20130325200828805)
Crawl Report
Started: March 25, 2013 2:08:28 PM
Completed: April 1, 2013 2:11:13 PM
<< Back to Reports
Scope-It Crawl Explorer
Summary
Hosts
Seed Status
Seed Source
File Types
PDFs
Videos
QA
Statistics
Started March 25, 2013 2:08:28 PM
Completed April 1, 2013 2:11:13 PM
Status Finished (time limit)
Average Doc Rate 1.74 urls/sec
Average KB Rate 480.0 KB/s
Total Documents Archived* 1,051,603
New/Changed Documents 716,390
Unchanged Documents 335,213
Total Data Crawled 277 GB
New Data Archived* 99 GB
* This number applies to your Archive-It account budget.
Help on Reports
Archive-It provides eight post crawl downloadable reports to assist partners in analyzing and understanding the data that has been archived. The reports can be downloaded as CSV files so they can be easily opened in Excel.
Learn more about reports
Learn more about the host report
Learn more about robots.txt
Learn more about the QA Report



Welcome amanda.wakaruk Help Documentation Admin Settings Archive This! L
Reset Password | English Es

ARCHIVE-IT

Home Collections Crawls Reports Access Help Documentation Submit a Question

Government Information Collection

Semiannual (ID #20130325200828805)

Crawl Report
Started: March 25, 2013 2:08:28 PM
Completed: April 1, 2013 2:11:13 PM

<< Back to Reports Scope-It Crawl Explorer

Summary Hosts Seed Status Seed Source File Types PDFs Videos QA

Hosts Download

The Hosts Report shows how many URLs were archived from each host, as well as the total amount of data for the collected documents. Other columns in this report provide more information about what was archived.

1. URLs" refers to the number of documents crawled from each host. Click the number to view the 'URL Report' of exactly what URLs were crawled.
2. "New URLs" refers to documents that changed or were newly discovered since the previous crawl. Click the number to view the 'URL Report' of exactly what URLs were crawled.
3. "Queued" refers to the number of documents discovered but not crawled due to the crawl time limit.
4. "Robots.txt Blocked" refers to documents discovered but not crawled due to a robots.txt exclusion.
5. "Out of Scope" refers to documents that were discovered but not crawled as they were determined to be out of scope. The value in this column may be "n/a" before the report has been generated.

Click the number in each column to view more specific information. This information is available 24 hours after a crawl completes.

View only hosts containing Filter Clear « First « Previous Next » Last » 1 through 200 of 20429

Host	URLs	Data	New URLs	New Data	Queued	Robots.txt Blocked	Out of Scope
srd.alberta.ca	283,578	23 GB	283,563	23 GB	632,471	0	31,251
www.chr.alberta.ca	101,005	3.2 GB	97,954	2.9 GB	0	0	124
www.pc.gc.ca	100,895	14 GB	24,374	2.7 GB	0	8,543	128
www.programs.alberta.ca	86,760	2.2 GB	85,059	2.2 GB	0	0	0
justice.alberta.ca	54,777	1.2 GB	7,332	216 MB	0	0	2
www.education.alberta.ca	48,763	55 GB	36,546	45 GB	0	2	2
www.solgps.alberta.ca	38,426	912 MB	4,616	114 MB	0	0	0
www1.agric.gov.ab.ca	32,211	6.9 GB	9,137	1.2 GB	0	0	1

Help on Reports

Archive-It provides eight post crawl downloadable reports to assist partners in analyzing and understanding the data that has been archived. The reports can be downloaded as CSV files so they can be easily opened in Excel.

- Learn more about reports
- Learn more about the host report
- Learn more about robots.txt
- Learn more about the QA Report

Library and Archives Canada
www.collectionscanada.gc.ca

me | Contact Us | Help | Search | canada.gc.ca

ction > Preservation

Preservation

Preservation Activities

Preservation of Digital Documentary Heritage

Library and Archives Canada's growing collection of digital documentary heritage, which includes online and Internet publications, websites, textual documents audiovisual recordings, must be preserved generations. To meet the challenge of pre collections in a rapidly changing social an environment LAC is developing a suite of Repository services for ingest, storage, m access to, the digital collection.

For more information see Digital Initiatives Projects www.collectionscanada.gc.ca/di initiatives/012018-4000-e.html

Library and Archives Canada | Bibliothèque et Archives Canada

Canada

Erreur HTTP 404 - Non trouvé

Nous vous remercions de visiter le site Web de Bibliothèque et Archives Canada. Désolé, l'information que vous cherchez a été changée ou n'est plus disponible.

Pour en savoir davantage sur nos activités et initiatives organisationnelles, ou nos programmes et services, ainsi que notre Collection consultez notre site web.

Veuillez mettre à jour vos signets ou liens en conséquence

Vous pouvez aussi nous contacter pour de plus amples informations ou pour nous signaler un lien brisé.

N'hésitez pas à nous faire part de vos commentaires et suggestions.

Nous regrettons tout inconvénient que cette situation aurait pu entraîner.

Merci

HTTP Error 404 - Not Found

Thank you for visiting the Library and Archives Canada website. Sorry, the information you are looking for has changed or is no longer available.

For information on our corporate activities and initiatives, or our programs, services as well as our Collection visit our Website.

Please update your bookmarks and/or links accordingly.

You can also contact us for more information, or to report a broken link.

We welcome your ideas and suggestions.

We apologize for any inconvenience this may have caused.

Thank you

Possibilities

web archiving and archival practice?

archival neutrality and social justice?

Here today, still here tomorrow?

Perspectives

archivists

librarians

historians

curators

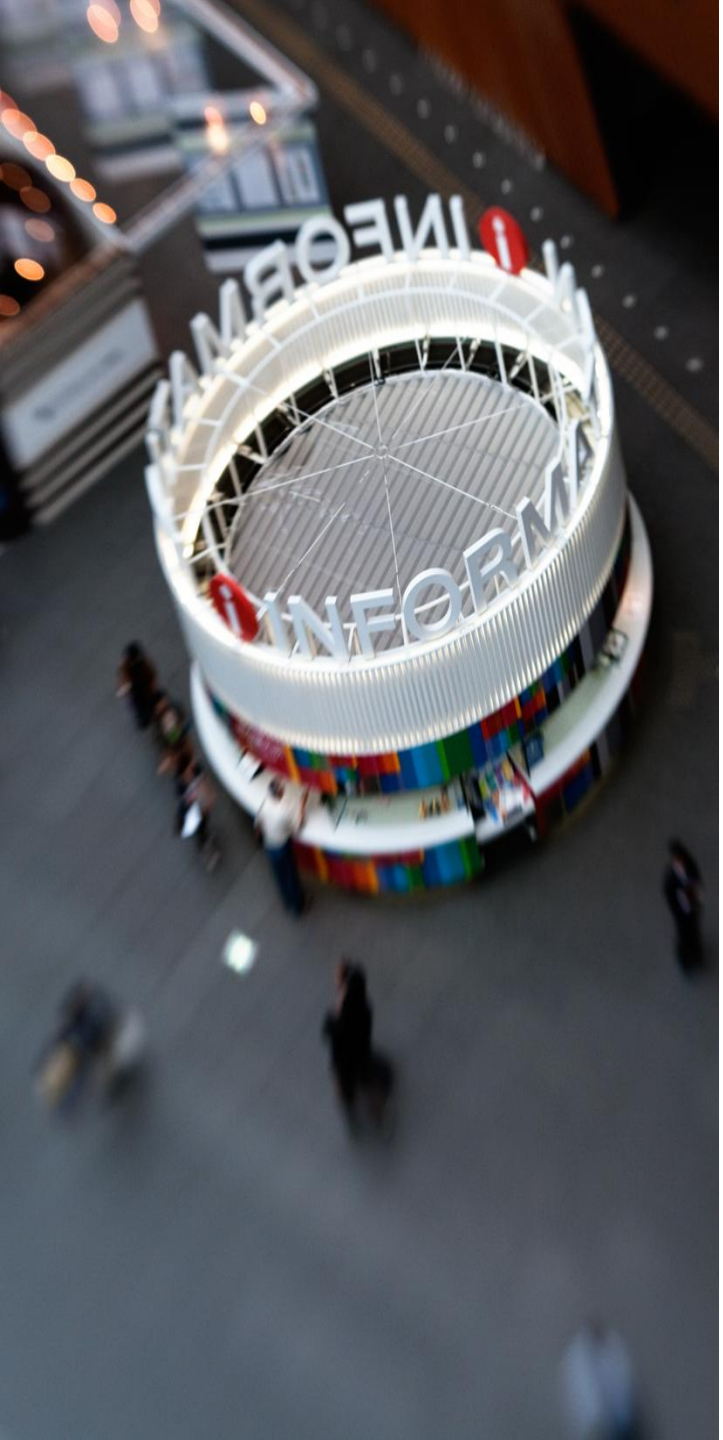
stewards

humanists

and many more

Paradox

We have virtual access to a tremendous amount of material that is constantly threatened by deletion and obsolescence.



Power

"We may not be able to predict the future, but in looking at documents we can perhaps see something at least as important: ourselves."

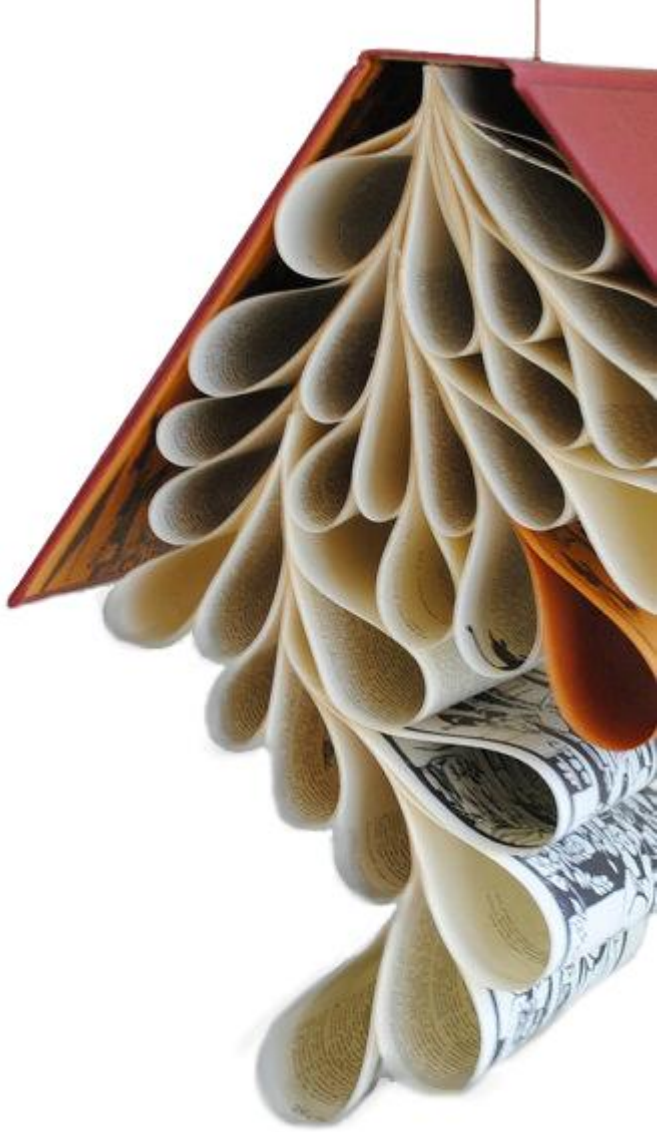
– David Levy

Processes

neutrality
objectivity
impartiality
integrity
agency
equity
reality

Problems

technical
economic
legal
trust
access



Pathways

To preserve and provide access to the historical web.

To continue to approach our work in an objective and neutral way.

To re-imagine better ways to define and contribute to a more representative and just society.

Participation

The stories and historical narratives of benefit to users now and in the future.

The unbroken, human chain of agreement to preserve and provide access.

The collaboration between archivists, librarians, and users.

Questions

- What is the relationship (archival bond) between different webpages from the same site?
- Can freezing something in time accurately represent something that is communal and changing?
- What value does archiving the web add to the broader community?
- How does it represent and document our history and society for future generations?
- Do we create fair processes and hope they yield fair results or do we tailor the process depending on the community in question to create a fair outcome?