Capturing our State: The California State Government Web Archive

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The California State Government Web Archive

An Infopeople Hosted Webinar
April 24, 2017

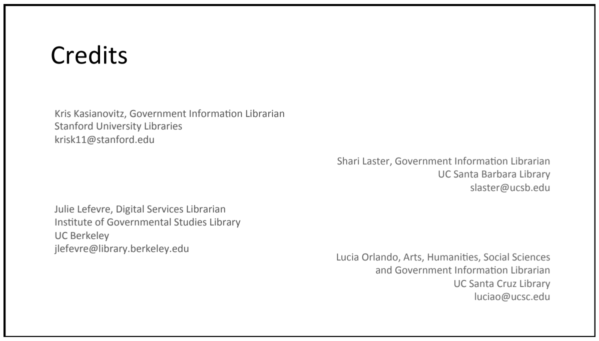
Archive of the California Government Domain, CA.gov

Collected by: University of California Libraries

Archived since: Apr, 2013

Description: This archive preserves access to hundreds of California state agency sites. State agencies utilize their websites to publish everything from press releases, agendas, minutes, events, reports and statistics. This material is especially volatile as leadership changes or as time sensitive issues are no longer on agendas or in the news. The archive is maintained by government information specialists and web curators across several UC campuses, the Stanford University Libraries and the California State Library.

Subject: Government - US States, Politics & Elections, Government



Credits

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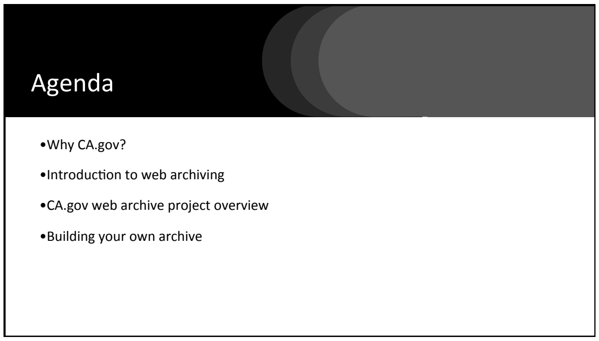
UC Santa Cruz Library
luciao@ucsc.edu

LSTA Grant Funded Project (thank you & disclaimer)

This project and presentation at Best Practices Exchange was supported in whole or in part by the U.S. Institute of Museum and Library Services under the provisions of the Library Services and Technology Act, administered in California by the State Librarian.

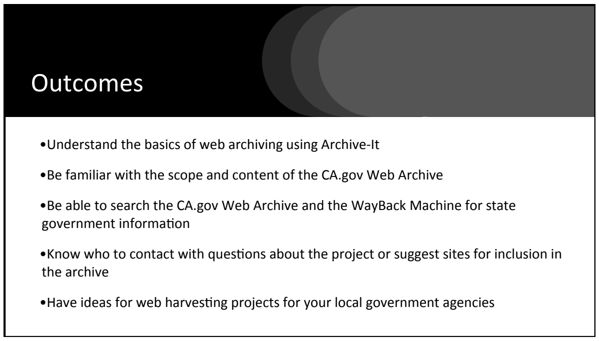
The opinions expressed herein do not necessarily reflect the position or policy of the U.S. Institute of Museum and Library Services or the California State Library, and no official endorsement by the U.S. Institute of Museum and Library Services or the California State Library should be inferred.

Infopeople, a grant project of the Califa Group, is supported in part by the U.S. Institute of Museum and Library Services under the provisions of the Library Services and Technology Act, administered in California by the State Librarian.



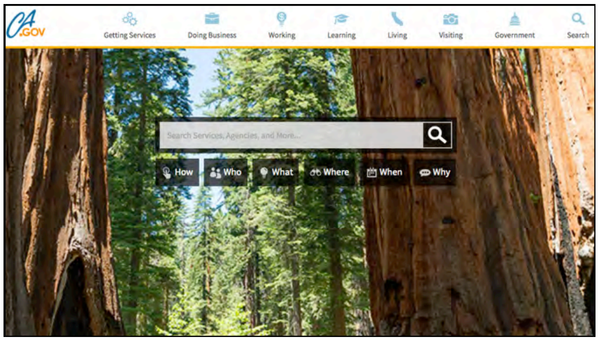
Agenda

- Why CA.gov?
- Introduction to web archiving
- CA.gov web archive project overview
- Building your own archive



Outcomes

- Understand the basics of web archiving using Archive-It
- Be familiar with the scope and content of the CA.gov Web Archive
- Be able to search the CA.gov Web Archive and the WayBack Machine for state government information
- Know who to contact with questions about the project or suggest sites for inclusion in the archive
- Have ideas for web harvesting projects for your local government agencies



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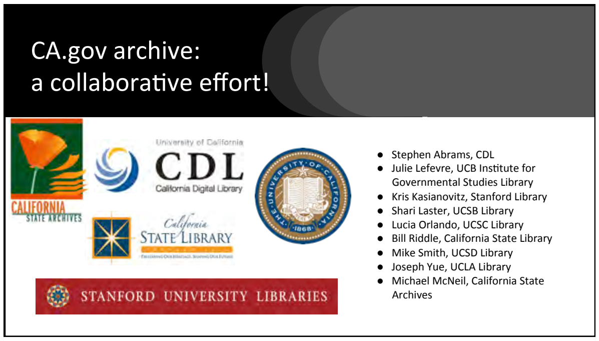
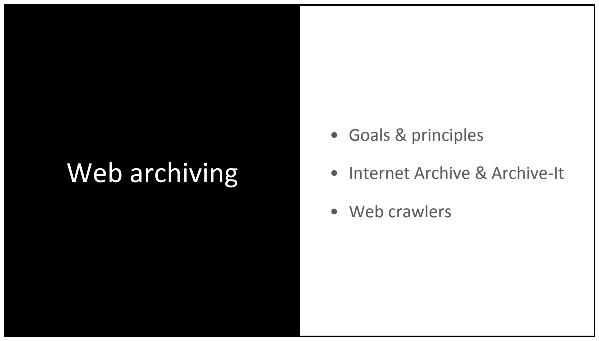


CA.gov archive: a collaborative effort!

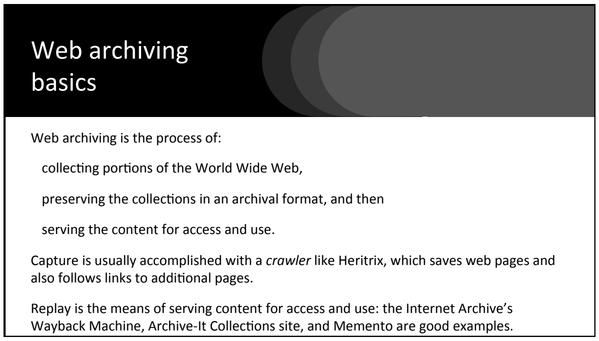
CALIFORNIA STATE ARCHIVES
University of California
CDL
California Digital Library
California State Library
STANFORD UNIVERSITY LIBRARIES

- Stephen Abrams, CDL
- Julie Lefevre, UCB Institute for Governmental Studies Library
- Kris Kasianovitz, Stanford Library
- Shari Laster, UCSB Library
- Lucia Orlando, UCSC Library
- Bill Riddle, California State Library
- Mike Smith, UCSD Library
- Joseph Yue, UCLA Library
- Michael McNeil, California State Archives



Web archiving

- Goals & principles
- Internet Archive & Archive-It
- Web crawlers



Web archiving basics

Web archiving is the process of:

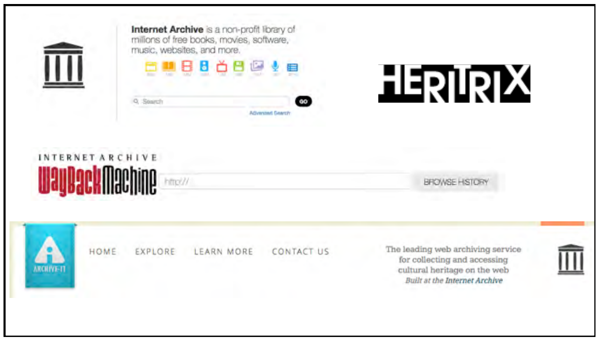
collecting portions of the World Wide Web,

preserving the collections in an archival format, and then

serving the content for access and use.

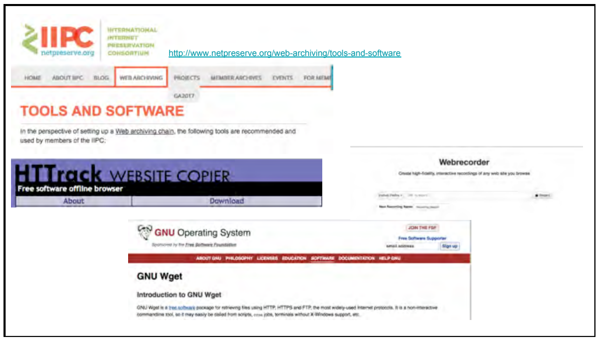
Capture is usually accomplished with a *crawler* like Heritrix, which saves web pages and also follows links to additional pages.

Replay is the means of serving content for access and use: the Internet Archive's Wayback Machine, Archive-It Collections site, and Memento are good examples.



Internet Archive is a non-profit library of millions of free books, movies, software, music, websites, and more.

The leading web archiving service for collecting and accessing cultural heritage on the web
Built at the Internet Archive



http://www.netpreserve.org/web-archiving/tools-and-software

TOOLS AND SOFTWARE

In the perspective of setting up a Web archiving chain, the following tools are recommended and used by members of the IIPC:

Webrecorder

Create high-fidelity, interactive recordings of any web site you browse

GNU Wget

Introduction to GNU Wget

GNU Wget is a free software package for retrieving files using HTTP, HTTPS and FTP, the most widely-used Internet protocols. It is a non-interactive commandline tool, so it may easily be called from scripts, cron jobs, terminals without X-Windows support, etc.

Crawling the web

A web crawler is a software script that fetches, analyzes, and files information from web servers at many times the speed of a human

The crawler starts with a list of URLs to visit, called the seeds

A seed can be a top level domain, like http://www.ca.gov
or a sub-directory below the top-level domain, like
http://www.ca.gov/Agencies/Secretary-of-State/

"Scoping" rules constrain the web crawl to ensure we collect what we want, and nothing more

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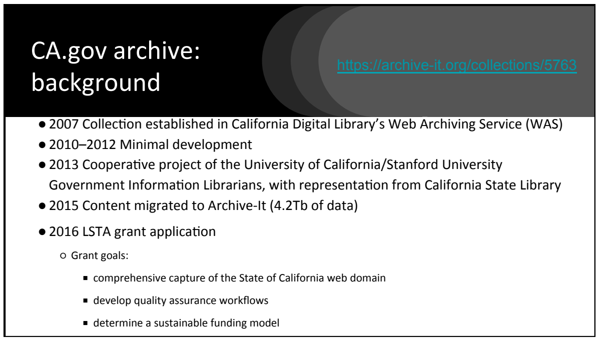
Project overview

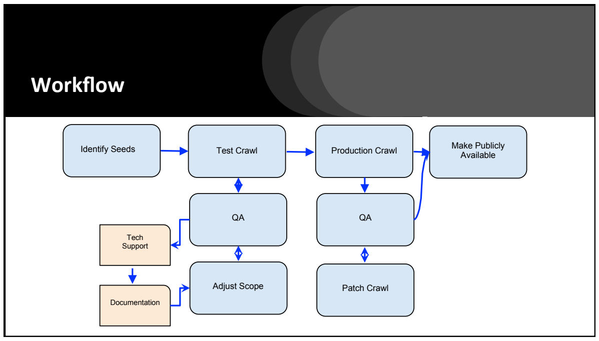
- Scope of project
- Work involved
- Using our content



CA.gov archive: background

https://archive-it.org/collections/5763

- 2007 Collection established in California Digital Library's Web Archiving Service (WAS)
- 2010–2012 Minimal development
- 2013 Cooperative project of the University of California/Stanford University Government Information Librarians, with representation from California State Library
- 2015 Content migrated to Archive-It (4.2Tb of data)
- 2016 LSTA grant application
  - Grant goals:
    - comprehensive capture of the State of California web domain
    - develop quality assurance workflows
    - determine a sustainable funding model



Workflow

Identify Seeds

Test Crawl

Production Crawl

Make Publicly Available

QA

QA

Tech Support

Adjust Scope

Patch Crawl

Documentation

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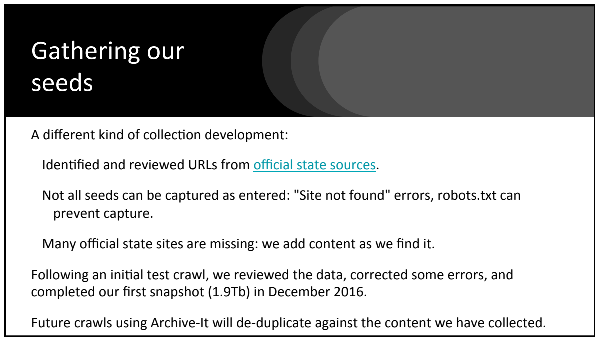


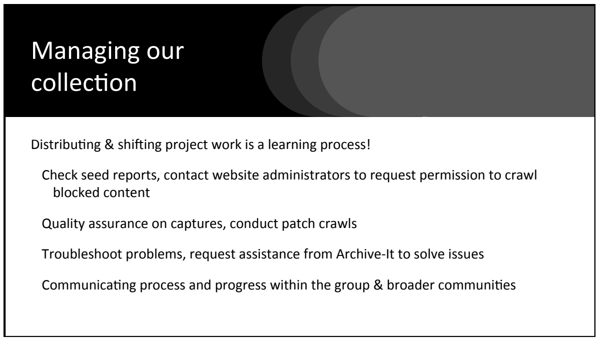
Gathering our seeds

A different kind of collection development:

- Identified and reviewed URLs from official state sources.
- Not all seeds can be captured as entered: "Site not found" errors, robots.txt can prevent capture.
- Many official state sites are missing: we add content as we find it.

Following an initial test crawl, we reviewed the data, corrected some errors, and completed our first snapshot (1.9Tb) in December 2016.

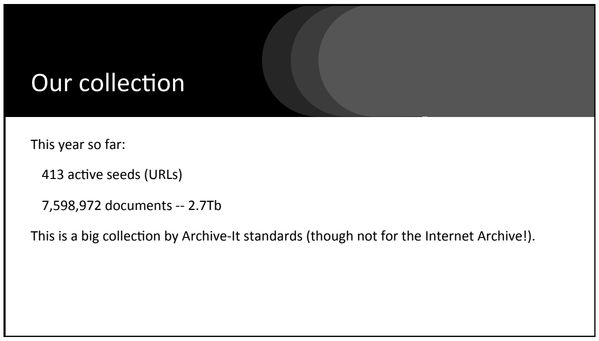
Future crawls using Archive-It will de-duplicate against the content we have collected.



Managing our collection

Distributing & shifting project work is a learning process!

- Check seed reports, contact website administrators to request permission to crawl blocked content
- Quality assurance on captures, conduct patch crawls
- Troubleshoot problems, request assistance from Archive-It to solve issues
- Communicating process and progress within the group & broader communities



Our collection

This year so far:

- 413 active seeds (URLs)
- 7,598,972 documents -- 2.7Tb

This is a big collection by Archive-It standards (though not for the Internet Archive!).

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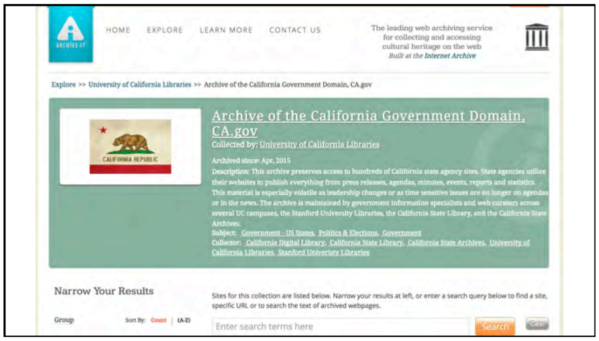


The leading web archiving service for collecting and accessing cultural heritage on the web
Built at the Internet Archive

Explore >> University of California Libraries >> Archive of the California Government Domain, CA.gov

Archive of the California Government Domain, CA.gov
Collected by: University of California Libraries

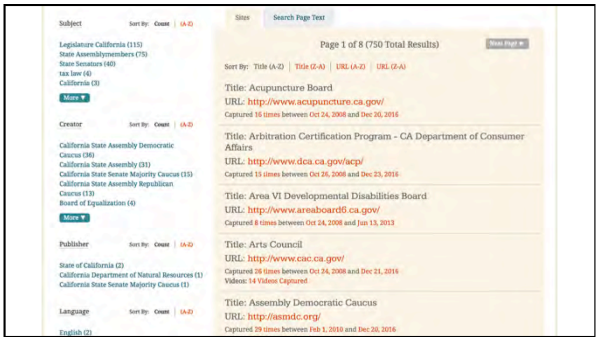
Archived since: Apr, 2015
Description: This archive preserves access to hundreds of California state agency sites. State agencies utilize their websites to publish everything from press releases, agendas, minutes, events, reports and statistics. This material is especially volatile as leadership changes or as time sensitive issues are no longer on agendas or in the news. The archive is maintained by government information specialists and web curators across several UC campuses, the Stanford University Libraries, the California State Library, and the California State Archives.
Subject: Government - US States, Politics & Elections, Government
Collector: California Digital Library, California State Library, California State Archives, University of California Libraries, Stanford Univeristy Libraries

Narrow Your Results

Group Sort By: Count | (A-Z)

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



Subject Sort By: Count | (A-Z)

Legislature California (115)
State Assemblymembers (75)
State Senators (40)
tax law (4)
California (3)

Creator Sort By: Count | (A-Z)

California State Assembly Democratic Caucus (36)
California State Assembly (31)
California State Senate Majority Caucus (15)
California State Assembly Republican Caucus (13)
Board of Equalization (4)

Publisher Sort By: Count | (A-Z)

State of California (2)
California Department of Natural Resources (1)
California State Senate Majority Caucus (1)

Language Sort By: Count | (A-Z)

English (2)

Page 1 of 8 (750 Total Results)

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

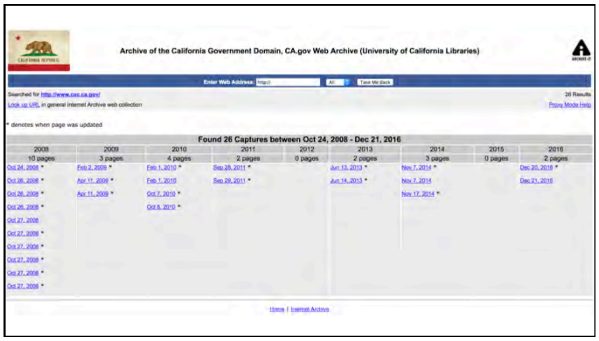
Title: Acupuncture Board
URL: http://www.acupuncture.ca.gov/
Captured 16 times between Oct 24, 2008 and Dec 20, 2016

Title: Arbitration Certification Program - CA Department of Consumer Affairs
URL: http://www.dca.ca.gov/acp/
Captured 15 times between Oct 26, 2008 and Dec 23, 2016

Title: Area VI Developmental Disabilities Board
URL: http://www.areaboard6.ca.gov/
Captured 8 times between Oct 24, 2008 and Jun 13, 2013

Title: Arts Council
URL: http://www.cac.ca.gov/
Captured 26 times between Oct 24, 2008 and Dec 21, 2016
Videos: 14 Videos Captured

Title: Assembly Democratic Caucus
URL: http://asmdc.org/
Captured 29 times between Feb 1, 2010 and Dec 20, 2016



Archive of the California Government Domain, CA.gov Web Archive (University of California Libraries)

Enter Web Address:

Searched for http://www.cac.ca.gov/ 26 Results
Look up URL in general Internet Archive web collection Proxy Mode Help

* denotes when page was updated

Found 26 Captures between Oct 24, 2008 - Dec 21, 2016

2008	2009	2010	2011	2012	2013	2014	2015	2016
10 pages	3 pages	4 pages	2 pages	0 pages	2 pages	3 pages	0 pages	2 pages
Oct 24, 2008 *	Feb 2, 2009 *	Feb 1, 2010 *	Sep 28, 2011 *		Jun 13, 2013 *	Nov 7, 2014 *		Dec 20, 2016 *
Oct 26, 2008 *	Apr 11, 2009 *	Feb 1, 2010	Sep 29, 2011 *		Jun 14, 2013 *	Nov 7, 2014		Dec 21, 2016
Oct 26, 2008 *	Apr 11, 2009 *	Oct 7, 2010 *				Nov 17, 2014 *		
Oct 26, 2008 *		Oct 8, 2010 *						
Oct 27, 2008								
Oct 27, 2008 *								
Oct 27, 2008 *								
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Oct 27, 2008 *								
Oct 27, 2008 *								

Home | Internet Archive

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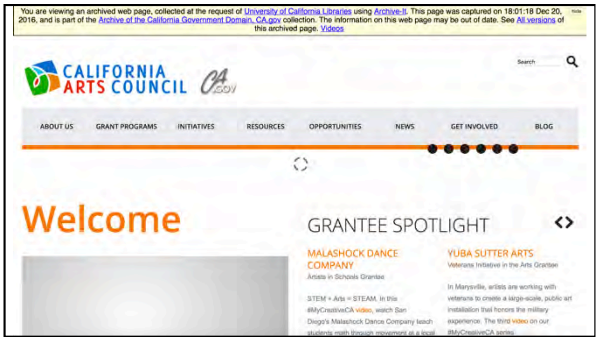


You are viewing an archived web page, collected at the request of University of California Libraries using Archive-It. This page was captured on 18:01:18 Dec 20, 2016, and is part of the Archive of the California Government Domain, CA.gov collection. The information on this web page may be out of date. See All versions of this archived page. Videos

Welcome

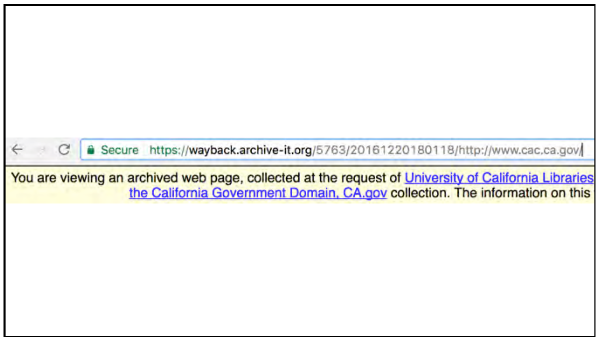
GRANTEE SPOTLIGHT

MALASHOCK DANCE COMPANY
Artists in Schools Grantee

STEM + Arts = STEAM. In this #MyCreativeCA video, watch San Diego's Malashock Dance Company teach students math through movement at a local

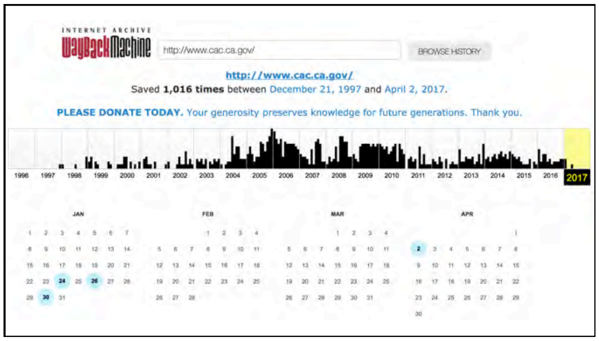
YUBA SUTTER ARTS
Veterans Initiative in the Arts Grantee

In Marysville, artists are working with veterans to create a large-scale, public art installation that honors the military experience. The third video on our #MyCreativeCA series



Secure https://wayback.archive-it.org/5763/20161220180118/http://www.cac.ca.gov/

You are viewing an archived web page, collected at the request of University of California Libraries
the California Government Domain, CA.gov collection. The information on this



http://www.cac.ca.gov/
Saved **1,016 times** between December 21, 1997 and April 2, 2017.

PLEASE DONATE TODAY. Your generosity preserves knowledge for future generations. Thank you.

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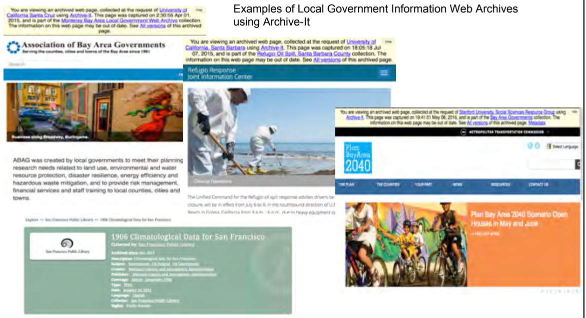
Build your own collections!

- Examples
- Using Archive-It
- Considerations

Examples of Local Government Information Web Archives using Archive-It



You are viewing an archived web page, collected at the request of University of California Santa Cruz using Archive-It. This page was captured on 2:30:55 Apr 01, 2015, and is part of the Monterey Bay Area Local Government Web Archive collection. The information on this web page may be out of date. See All versions of this archived page.

ABAG was created by local governments to meet their planning research needs related to land use, environmental and water resource protection, disaster resilience, energy efficiency and hazardous waste mitigation, and to provide risk management, financial services and staff training to local counties, cities and towns.

You are viewing an archived web page, collected at the request of University of California, Santa Barbara using Archive-It. This page was captured on 18:05:18 Jul 07, 2015, and is part of the Refugio Oil Spill, Santa Barbara County collection. The information on this web page may be out of date. See All versions of this archived page.

You are viewing an archived web page, collected at the request of Stanford University, Social Sciences Resource Group using Archive-It. This page was captured on 19:41:51 May 06, 2016, and is part of the Bay Area Governments collection. The information on this web page may be out of date. See All versions of this archived page. Metadata

Explore >> San Francisco Public Library >> 1906 Climatological Data for San Francisco

1906 Climatological Data for San Francisco

Hide
Association of Bay Area Governments
Serving the counties, cities and towns of the Bay Area since 1961
Business along Broadway, Burlingame.
Refugio Response
Joint Information Center
Cleanup Operations
METROPOLITAN TRANSPORTATION COMMISSION
Plan BayArea 2040
Select Language
THE PLAN
THE COUNTIES
YOUR PART
NEWS
RESOURCES
CONTACT US
Plan Bay Area 2040 Scenario Open Houses in May and June
San Francisco Public Library

Getting started

Advantages to subscribing to Archive-It:

The Internet Archive handles the technical aspects of capture, preservation, and playback

You control what's collected, including frequency & depth of capture

Content can be exported to include in a digital archive

Community of Archive-It partners working on projects

You can contribute in other ways, too: http://blog.archive.org/2017/01/25/see-something-save-something/

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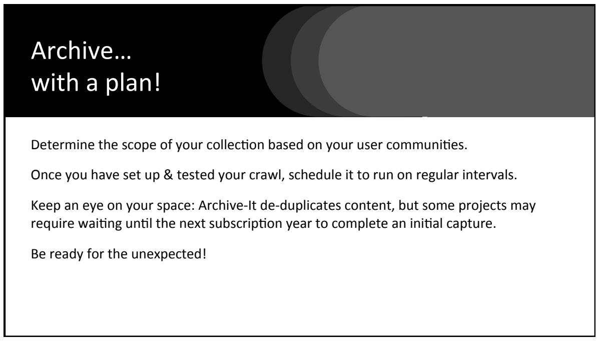


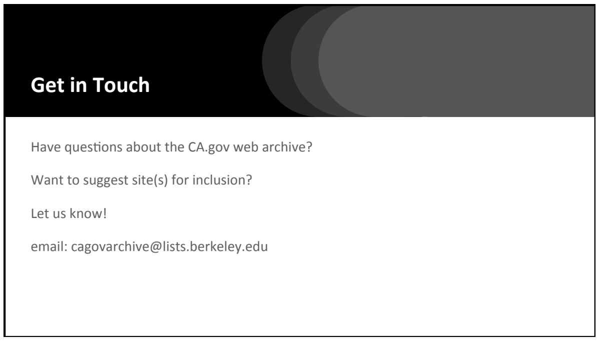
Archive… with a plan!

Determine the scope of your collection based on your user communities.

Once you have set up & tested your crawl, schedule it to run on regular intervals.

Keep an eye on your space: Archive-It de-duplicates content, but some projects may require waiting until the next subscription year to complete an initial capture.

Be ready for the unexpected!



Get in Touch

Have questions about the CA.gov web archive?

Want to suggest site(s) for inclusion?

Let us know!

email: cagovarchive@lists.berkeley.edu

THANK YOU!

Discussion and Questions

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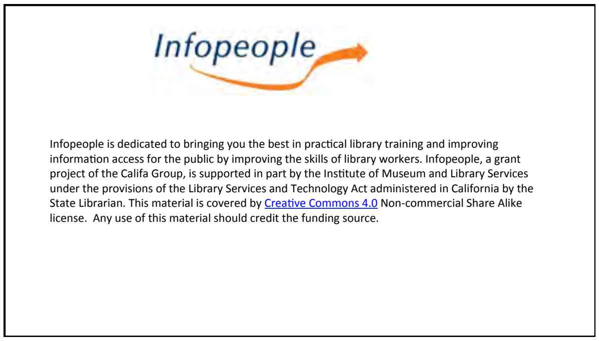

Infopeople

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