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Web Archiving to Excavate Hidden Collections

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Author

Tsang, Daniel C

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Web Archiving to Excavate Hidden Collections

Daniel C. Tsang, Distinguished Librarian, UC Irvine

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Web Archiving Service

Collect, manage & preserve websites

A SERVICE OF THE UNIVERSITY OF CALIFORNIA CURATION CENTER — UCC

PRESERVE
YOUR INSTITUTIONAL MEMORY
AS YOUR SITES
EVOLVE **CHANGE**



BUILD YOUR
COLLECTIONS OWN
OF ANY **SIZE**



CAPTURE
POLITICAL & SOCIAL
EVENTS AS THEY
HAPPEN



SAVE AT-RISK
ONLINE INFORMATION
BEFORE IT IS LOST



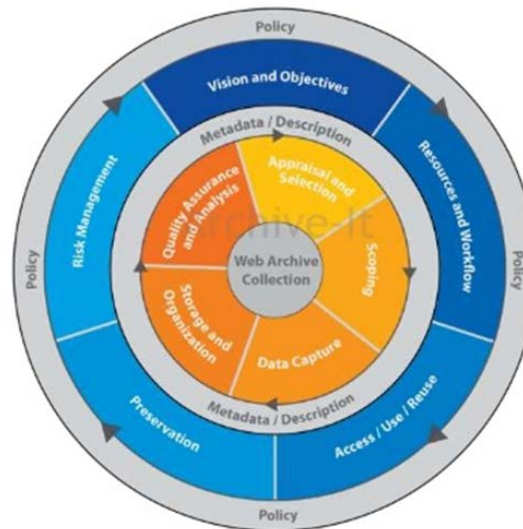
<http://webarchivingrt.files.wordpress.com/2013/05/wasimage.jpg>



Web Archiving Process

STANFORD UNIVERSITY LIBRARIES

web archiving lifecycle



<http://image.slidesharecdn.com/considerationsforstrategicwebarchivecollectiondevelopment-140530120129-phpapp02/95/considerations-for-strategic-web-archive-collection-development-2-638.jpg?cb=1407347520>

Internet Archive



<http://blogs.library.jhu.edu/wordpress/wp-content/uploads/2014/07/wayback.bmp>

Selection Criteria

According to Jinfang Niu (University of South Florida): “Existing web archiving efforts use the following selection criteria to determine what to preserve: domain (such as .gov or .edu), topic or event, media type and genre. Many European countries archive the web in their country domain. The library of the NASA Goddard Space Flight Center (GSFC) captures pages in the Goddard domain...

Source: Jinfang Niu. “An Overview of Web Archiving.” D-Lib Magazine (March/April 2012).

Selection Criteria ...

“The Library of Congress has created various event-based web collections, such as the September 11, 2001 web archives, the election web archives and the Iraq War 2003 web archives...

“Media-type based selection includes or excludes certain media types. The Goddard library, for example, avoids crawling large video files and software products ...The web archiving project conducted by Chirag Shah and Gary Marchionini ([2007](#)), on the other hand, focused on preserving election videos on Youtube. Some web archives select based on genres such as blogs, newspapers, virtual worlds, etc. The National Library of France created a web collection of e-diaries...The Internet Archive has a software archive and an archive of videogame videos...”

Source: Jinfang Niu. “An Overview of Web Archiving.” D-Lib Magazine (March/April 2012).

UCI In-service Training...

UC Irvine Libraries' Digital Scholarship Services

Web Archiving Service (WAS) for Library Liaisons

Daniel C. Tsang & Matthew McKinley
October 27, 2014



Source: <https://escholarship.org/uc/item/1sr2w7vs>

Web Archiving Service for what use?



Why use WAS?

Bibliographers

- Capture(s) as collection development
- Preserve ephemeral or at-risk sites

Researchers

- Capture(s) as class learning tool
- Capture(s) for research use

Source: <https://escholarship.org/uc/item/1sr2w7vs>

IIPC: Collection Development Policies



INTERNATIONAL
INTERNET
PRESERVATION
CONSORTIUM

HOME

ABOUT IIPC

WEB ARCHIVING

PROJECTS

MEMBER ARCHIVES

EVENTS

FOR MEMBERS

COLLECTION DEVELOPMENT POLICIES

IIPC members

- > [Bibliothèque nationale de France](#)
- > [Library of Congress - 2013](#)
- > [British Library - 2014](#)
- > [The National Archives \(UK\) Records Collection Policy and Operational Selection Policy 27: UK Government Web Estate](#)
- > [National Library of Finland - 2011](#)
- > [Portuguese Web Archive](#)
- > [Swiss National Library](#)
- > [Austrian National Library](#)
- > [Columbia University Libraries](#)
- > [Stanford University Libraries](#)

Source: <http://netpreserve.org/collection-development-policies>

IIPC Collection Development: Other Institutions

Other institutions

- Tamiment Library, NYU - 2010
- Bentley Historical Library - 2011
- North Carolina State Government Website Archives and Access Program
- University of Texas San Antonio
- University of Alberta Library
- University of California Los Angeles (UCLA)
- Chesapeake Digital Preservation Group

Source: <http://netpreserve.org/collection-development-policies>

Stanford University

Collection development

Our collection development guidance is intended to fulfill the following objectives:

- complement discipline-specific collection development policies;
- help curators decide what and, more importantly, what *not* to collect; and
- ensure that comparatively limited web archiving resources are deployed only for the most valuable content.

Focus on at-risk content

All web content is in some sense at-risk; this is, in fact, the [raison d'être for web archiving](#). Particular categories of web content are more at-risk, however, because they are of time-limited interest or purpose, subject to government censorship, disseminated by immature organizations, or for other reasons. Spontaneous events, including [disasters](#), [revolutions](#), and [trending social topics](#) may briefly occupy the public spotlight, then fade from view. This unique and ephemeral content is especially deserving of our attention.

Source: <http://library.stanford.edu/projects/web-archiving/collection-development>

Stanford University...

Complement existing collecting strengths

We have collecting strengths in particular areas, reflected by the [research we support](#), [our staffing for different subjects](#), [our Special Collections](#), [our relationships with donors and alumni](#), [our geography and our institutional history](#). We provide added value when we consider web archiving as a potential component of a broader collecting plan and create web archives to complement other extant and prospective collections.

Observe resource constraints

A format-agnostic collection development policy will more than likely [designate a broader range of web content as in scope for collecting than is practically feasible](#), given available web archiving resources. We should be mindful of collection dimensions that are most likely to increase costs. This includes not just the number of nominated websites but also their complexity (i.e., demanding additional staff time for crawl configuration and quality assurance) and contents (i.e., large files like video balloon storage requirements).

Source: <http://library.stanford.edu/projects/web-archiving/collection-development>

Stanford...

Consider what others are collecting

We are a member of an [international community](#) whose collective goal is [collecting, preserving, and providing access to the historical web](#). Considering the cumulative and growing volume of information that has ever existed on the Web, even our aggregated efforts represent but a small fraction. We should therefore strive to identify existing web archives that overlap with areas where we intend to archive the Web ourselves and minimize duplication of effort. An enhancement to this approach is finding ways to provide seamless access to those external resources to our users, such as through [topic guides](#), [SearchWorks](#), or [Memento](#).

Web archive holdings are not documented systematically, in terms of subject area, temporal coverage, language, top-level domain, or other identifiers, though [research is underway](#) that should simplify this. In the meantime, places to consult to discover existing web archives include: [Archive-It's collections portal](#), [California Digital Library's Web Archive Service collections portal](#), the [International Internet Preservation Consortium's list of member archives](#), the [Wikipedia List of Web archiving initiatives](#), the [Internet Archive Wayback Machine](#), and the [UK Web Archive Memento aggregator service](#). Curators may often learn about and/or contribute to planned web archives through their discipline-specific communities of practice. If overlap with another web archive is discovered, we should additionally consider the depth and frequency of their archiving to determine whether it is still worthwhile for us to archive it.

Source: <http://library.stanford.edu/projects/web-archiving/collection-development>

Consider the access conditions of what others are collecting

National libraries, in particular, create web archives under legal frameworks that [only permit limited access](#) (e.g., on-premise, for designated research, etc.). While generally we should avoid duplicatively archiving web content that has already been preserved by another organization, the prospect of their not making it accessible should count in favor of our archiving it, as well.

Assess value to researchers

A fundamental challenge for selecting content is that its potential utility increases over time, as the risk of change to or loss of the original content increases and the archive takes on historical context. Through their relationship with faculty and awareness of the [web resources that have been vital to research within a given subject area](#), curators are best positioned to identify the content that matters for future research.


Source: <http://library.stanford.edu/projects/web-archiving/collection-development>

Collection Development Policy: Key Guidelines

Here are some of the key selection criteria you might include:


- Complement collection strengths OR weaknesses
- Focus on more at risk online content
- Do not duplicate unless necessary
- Assess potential research value
- Assess content language
- Keep in mind resource limits
- Be cognizant of copyright issues
- Be aware of what is accessible for crawling

Event Archiving - Exhibit A: *South China Morning Post*



Occupy Central

Occupy Central is a civil disobedience movement which began in Hong Kong on September 28, 2014. It calls on thousands of protesters to block roads and paralyse Hong Kong's financial district if the Beijing and Hong Kong governments do not agree to implement universal suffrage for the chief executive election in 2017 and the Legislative Council elections in 2020 according to "international standards." The movement was initiated by Benny Tai Yu-ting, an associate professor of law at the University of Hong Kong, in January 2013.



Monday, 17 November, 2014, 11:20pm

Ex-chief justice Andrew Li calls on Occupy Central protesters to retreat

Former chief justice Andrew Li Kwok-nang on Monday called on Occupy Central protesters to retreat, warning that the rule of law would be impaired if ongoing court injunctions were not obeyed.

Behind
firewall?

<http://www.scmp.com/topics/occupy-central>

Exhibit B: Scholarism

Twitter
site



學民思潮 Scholarism
@Scholarismhk

學民思潮(Scholarism)是由一群九十後組成的學生團隊，主張以社會行動介入政府施政，堅信著「立於街頭，走進人群」。「學民」表示著學生也是社會公民的一部份，學生不是「社會未來的主人翁」，乃是現在社會公民，學生絕對有權力影響政府施政。

📍 香港
scholarism.com

TWEETS 6,979 FOLLOWING 38 FOLLOWERS 9,437

Tweets Tweets & replies Photos & videos

學民思潮 Scholarism @Scholarismhk · 3h
旺角突然起哄 警方呼籲克制
警民正在對峙 fb.me/2A3a1dPpt

學民思潮 Scholarism @Scholarismhk · 3h
愛字頭辱罵黃之鋒實錄 fb.me/1ndhdaNuA

<https://twitter.com/scholarismhk/>

Exhibit C: Occupy Central



[首頁](#) [信念書](#) [意向書](#) [最新消息](#) [文章](#) [媒體專訪](#) [問與答](#) [請捐款支持](#) [商討日](#) [全民投票](#) [English](#) [聯絡我們](#)

Note:
English
page

和平佔中籲港府尊重學生表達自由



<http://oclp.hk/>

Exhibit D: Occupy Central



Alternative site

Hong Kong protesters carry out 'yellow ribbon' march

Posted on [November 10, 2014](#)

Hundreds of pro-democracy protesters in Hong Kong have marched to the office of China's top representative in the city.

Activists are angry about a decision by China to screen candidates for Hong Kong's 2017 leadership election. They want direct talks with Beijing. [Continue reading →](#)

Posted in [Era of Peaceful Resistance](#) | Tagged [Beijing](#), [CY Leung](#), [March](#)

<http://oclphkenglish.wordpress.com/>

ABOUT US

OCLP is a nonviolent direct action movement that demands genuine universal suffrage in Hong Kong in compliance with international law, in particular one-person-one-vote and the right to run and be elected to office without unreasonable restrictions.

FOLLOW US @OCLPHK

Tweets

[Follow](#)

 **Occupy Central** 15 Nov
和平佔中
@OCLPHK

Exhibit E: SocREC

抗命 不認命
香港已經進入抗爭的大時代，你又如何抉擇？

SocREC 社會記錄頻道
Media/News/Publishing

184,181 likes

Timeline | About | Photos | Events | More ▾

PEOPLE >

Post | Photo / Video

Write something on this Page...

Facebook site: <https://www.facebook.com/socrec>

Exhibit F: SocRec



Alternative
capture for
selective
SCMP
content

Monday, September 22

A cartoon timeline: Harry's View on Occupy Central | South China Morning Post
<http://www.scmp.com/news/article/1616107/cartoon-timeline-harrys-view-occupy-central>

Exhibit G: Real Hong Kong News

THE REAL HONG KONG NEWS

The news about Hong Kong you don't get to read in world's press



[about](#) / [supplement – columnists & commentators](#)

- HONG KONG GENERAL POLITICS
- HK & CHINA CONFLICTS
- DEMONSTRATION/PROTEST/RALLY
- FREEDOM OF SPEECH AND PRESS
- ELECTION/UNIVERSAL SUFFRAGE
- HONG KONG EDUCATION
- HONG KONG POPULATION

ABOUT

There are only two local English-language daily newspapers in Hong Kong – The Standard and The SCMP: Given the number of expatriates in this international city, this is simply not enough. Some of them who see Hong Kong as their home want to know **what is really going on in Hong Kong**, but the English dailies available in the market don't seem to reveal the truth objectively often enough...

We feel that these newspapers don't really cover the matters that [Hongkongers](#) (including the non-ethnic-Chinese community in HK) care about, and very often they write from China's perspective and the news is simply China centric. Shouldn't local papers focus more on home affairs?

REAL HONG KONG NEWS

<http://therealnewshk.wordpress.com/about/>

Translated content site

Thanks

Thank you very much!
I welcome emails at:
dtsang@uci.edu