

Unleashing the value of records management

Implementing the Sitemap protocol

Sitemaps.org

An open, industry standard for web search engine crawling



What are Sitemaps?

Sitemaps are an easy way for webmasters to inform search engines about pages on their sites that are available for crawling. In its simplest form, a Sitemap is an XML file that lists URLs for a site along with additional metadata about each URL (when it was last updated, how often it usually changes, and how important it is, relative to other URLs in the site) so that search engines can more intelligently crawl the site.

Web crawlers usually discover pages from links within the site and from other sites. Sitemaps supplement this data to allow crawlers that support Sitemaps to pick up all URLs in the Sitemap and learn about those URLs using the associated metadata. Using the Sitemap [protocol](#) does not guarantee that web pages are included in search engines, but provides hints for web crawlers to do a better job of crawling your site.

Sitemap 0.90 is offered under the terms of the [Attribution-ShareAlike Creative Commons License](#) and has wide adoption, including support from Google, Yahoo!, and Microsoft.

The majority of citizens access government through web search engines

National Institutes of Health (nih.gov)

- More than 70% of unique users in July 2006 were referred by web search engines (Google, Yahoo, MSN, AOL, Ask)

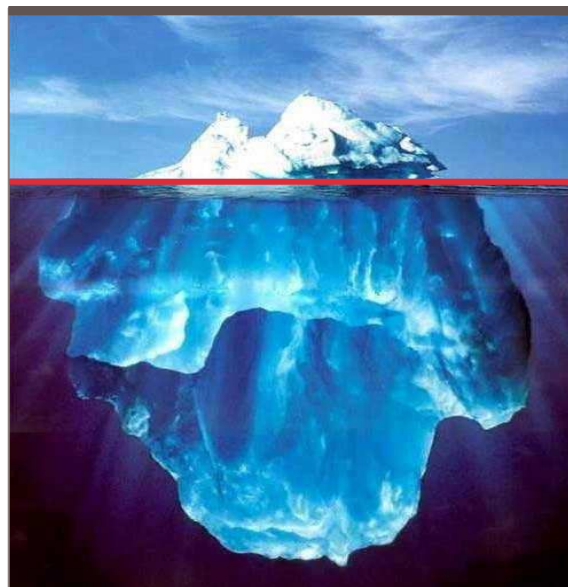


- Only 4% of unique users came directly to nih.gov sites

Source: ComScore, 2006

But they cannot easily find upwards of 40% of public federal agency information

- Federal government web services invisible to search engine users:
 - GovBenefits.gov, Regulations.gov, USAJOBS.gov and other E-Gov sites are an island unto themselves
 - NOAA, NIH, EPA and other major agencies as well as nearly all departments are operating dozens, even hundreds, of invisible services
 - Less than 1% of web pages/records on NARA sites are visible



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Searchable

DEEP WEB
Not searchable

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[Dangdang.com Plans To Open More Retail Outlets - ChinaTechNews.com ...](#)

Dangdang.com Plans To Open More Retail Outlets - ChinaTechNews.com. ... Shenyang To Host China's Largest Automatic Identification Manufacturing Park ...
www.chinatechnews.com/2005/12/3187-dangdangcom-plans-to-open-more-retail-outlets/ - 59k - [Cached](#) - [Similar pages](#)

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"Nokia is committed to pushing the boundaries of the retail landscape." ... Shenyang To Host China's Largest Automatic Identification Manufacturing Park ...
www.chinatechnews.com/2006/07/17/4236-nokia-opens-first-flagship-store-in-asia/ - 58k - [Cached](#) - [Similar pages](#)

[\[PDF\] Investing in China's Retail Industry](#)

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The number of outlets controlled by China's top 30 domestic chain stores ... first entered the DIY/home improvements market in Beijing, then Shenyang, ...
[www.pwc.com/.../pwcpublications.nsf/docid/4B47E208388DCF208525718E006EE2E2/\\$FILE/retail-china-april-2006.pdf](http://www.pwc.com/.../pwcpublications.nsf/docid/4B47E208388DCF208525718E006EE2E2/$FILE/retail-china-april-2006.pdf) - [Similar pages](#)

[\[PDF\] 4 2004/2005 Global Retail & Consumer Study from Beijing to ...](#)

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formats and the increase in retail outlets, the fast. moving consumer goods market has been growing ... across major cities in China. Typically these stores ...
www.pwc.com/gx/eng/about/ind/retail/growth/china18-31pgs.pdf - [Similar pages](#)

[Retailers, Supermarkets, Chain Stores, Retail Chains China Asia](#)

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Trade Lead Information By Country For China

Looking for wire bonding capillary and pick up tool manufacturers

Location: Shanghai, China Expiration: 06/30/2007 Published: 11/07/2006

Details: Shanghai HaoKe Microelectronics Company is a specialized distributor in th

Shenyang Retail Group Seeks U.S. Designer Outlet Stores

Location: Shenyang, China Expiration: 06/30/2007 Published: 11/06/2006

Details: The Shenyang Commercial City Group, owned by the government of Shenyang ci

Wants to purchase 200T polyethylene per month and looking for agent opportunity of raw materials of blow moulding products

Location: Wuhan, China Expiration: 09/25/2007 Published: 10/11/2006

Details: Wants to purchase 200T polyethylene per month and looking for agent oport

Looking for Septum and agent opportunity of lithium Batteries

Location: Wuhan, China Expiration: 09/25/2007 Published: 10/11/2006

Details: Looking for Septum and agent opportunity of lithium Batteries

Cold Rolling Stainless Steel Board

Location: Wuhan, China Expiration: 09/25/2007 Published: 10/11/2006

Details: The company wants to buy the Cold Rolling Stainless Steel Board produced b

Looking for chemicals for construction applications

Location: Shanghai, China Expiration: 06/30/2007 Published: 07/04/2006

Details: Megachem International Trading Company is headquartered in Singapore. Mega

start

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Search Trade Leads

The following are new, pre-qualified trade opportunities and foreign government tender announcements that are available to U.S. exporters.

Choose either **country and/or industry**:

Search By Keyword:

OR

Search By Country:

(Press and hold "Ctrl" button for **multiple selections**)

Search By Region:

Google

Web Images Video News Maps Desktop Mom more »

overtime child labor statutes Search

Advanced Search Preferences

Web Results 1 - 10 of about 1,070,000 for overtime child labor statutes. (0.09 seconds)

Child Labor information

arrow View a brochure that compares state and federal **child labor** laws (PDF file). ... The following applications for **child labor** exemption permits are ...

www.doli.state.mn.us/childlbr.html - 24k - Cached - Similar pages - Note this

[PDF] [Child Labor Standards](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

a substitute for the **statutes** and regulations. The same criteria used to ... wage and **overtime** laws are used to determine coverage of **child labor** laws. ...

www.doli.state.mn.us/pdf/childlbr.pdf - Similar pages - Note this

[More results from www.doli.state.mn.us]

DOL WHD: Handy Reference Guide to the Fair Labor Standards Act (FLSA) - 6:13pm

The FLSA prohibits the shipment of goods in interstate commerce which were produced in violation of the minimum wage, **overtime** pay, **child labor**, ...

www.dol.gov/esa/regs/compliance/whd/hrq.htm - 71k - Cached - Similar pages - Note this

[U.S. Department of Labor - A Summary of Major DOL Laws](#)

The Fair **Labor** Standards Act exempts agricultural workers from **overtime** premium ... The Act has special **child-labor** regulations that apply to agricultural ...

www.dol.gov/opa/aboutdol/lawsprog.htm - 52k - Mar 14, 2007 - Cached - Similar pages - Note this

Answer - Mozilla Firefox

File Edit View History Bookmarks Tools Help del_jcio.us 1.1 days saved

http://nlrb.custhelp.com/cgi-bin/nlrb.cfg/php/enduser/std_adp.php?p_faqid=99&p_cr

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Category Other Workplace Rights NLRB Jurisdiction Job Discrimination Department of Labor	Question Where can I find information on Federal Minimum Wage, Overtime Child Labor and Related Issues?
Last Updated 09/25/2006 08:18 AM	Answer If you have a problem involving minimum wage, prevailing wage, overtime, break time, hours of work, child labor, polygraph protection or the Family and Medical Leave Act, you may wish to contact the U.S. Department of Labor, Employment Standards Administration (ESA), Wage and Hour Division, which administers federal laws related to these topics. The Fair Labor Standards Act generally covers employees employed by companies that are subject to federal regulation, i.e., employers that are engaged directly or indirectly in interstate commerce. Please click either the first link below ESA's Home Page for more information about the Fair Labor Standards Act and other related federal statutes or the second link below for ESA's FAQs. http://www.dol.gov/dol/compliance/comp-flsa.htm http://www.dol.gov/esa/whd/

Print Answer
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124 Answers Found Page: 1 of 7 Go

Summary

- 1 What are the Unfair Labor Practices of Employers?
- 2 Who do I contact if I have a job related problem?
- 3 What are my Beck rights?
- 4 The NLRB and You--Unfair Labor Practices
- 5 Have I been Wrongfully Discharged?
- 6 Where can I find information on labor laws enforced by the US Department of Labor?
- 7 What are the Unfair Labor Practices of Labor Organizations?
- 8 What rights does the Act guarantee to employees?
- 9 Where can I find a basic guide to the National Labor Relations Act?
- 10 Where can I find information on Federal Minimum Wage, Overtime Child Labor and Related Issues?
- 11 What constitutes unlawful discrimination forbidden by the NLRA?

Google Web Images Video News Maps Desktop Mom more enemy prisoner of war information bureau utah Search Advanced Search Preferences

Web Results 1 - 10 of about 258,000 for enemy prisoner of war information bureau utah. (0.08 seconds)

JSTOR: Axis Prisoners of War in the United States, 1942-1946: A ... Among its records are found the files of the Bureau of Placement within the WMC. ... United States, War Department, Enemy Prisoners of War: TM 19-500 ... links.jstor.org/sici?sici=0026-3931(197504)39%3A2%3C61%3AAPOWIT%3E2.D.CO%3B2-G - Similar pages

JSTOR: The Wehrmacht Bureau on War Crimes In the course of the war the bureau investigated an estimated 00,000 cases or complexes, ... captured enemy documents, interrogations of prisoners of war, ... links.jstor.org/sici?sici=0018-246X(199206)35%3A2%3C383%3ATWBOWC%3E2.D.CO%3B2-4 - Similar pages

Sample Chapter for Hayashi, B.: Democratizing the Enemy: The ... Sample Chapter for Democratizing the Enemy: The Japanese American Internment ... and it also involves civilians who, though not prisoners of war in a strict ... press.princeton.edu/chapters/i7740.html - 38k - Cached - Similar pages

U-boat Archive - POW - Processing - War Department, Circular No. 32 One copy will be retained by the command effecting the processing, and one copy will be transmitted to the Prisoner of War Information Bureau, ... www.uboatarchive.net/POWProcessingWDCircular.htm - 55k - Cached - Similar pages

ARC Search Results: Hit #1 of 1

1 hit(s) retrieved for keywords "logan utah war" .

[See Hierarchy](#) [Printer-Friendly Version](#) [Back to Search Results](#)
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Jump to Hit [Go](#)

ARC Identifier: 899706
Title: Camps Inactivated: 9th Service Command: [Camp] Logan, Utah
Creator: [War Department, Office of the Provost Marshal General, Enemy Prisoner of War Information Bureau](#), (ca. 1942 - 09/18/1947) (Most Recent)
Type of Archival Materials: Textual Records
Level of Description: File Unit from Record Group 389: Records of the Office of the Provost Marshal General, 1920 - 1975
Location: Modern Military Records LICON, Textual Archives Services Division (NWCTM), National Archives at College Park, 8601 Adelphi Road, College Park, MD 20740-6001 PHONE: 301-837-3510, FAX: 301-837-1752, EMAIL: inquire@nara.gov
Part of: [Series: Subject Files, 1942 - 1946](#)
Access
Restrictions: Unrestricted
Use Restrictions: Unrestricted

Copy 1

Copy Status: Description: Reproduction: Reference:

ARC Basic Search

Search for [descriptions](#) of [Archival Materials](#) containing the following keyword(s):

[Search Tips](#)

Go Clear

Limit Results to 100 1000 2000

Advanced Search

Filter Your Search:

[Descriptions](#) of [Archival Materials](#) linked to [digital copies](#)

[Archival materials dated](#) between and

[Location of Archival Materials:](#)

- All Locations
- Cartographic and Architectural Records LICON, Special Media Archives S...
- Center for Legislative Archives
- Civilian Records LICON, Textual Archives Services Division

[Type of Archival Materials:](#)

- All Types
- Architectural and Engineering Drawings
- Artifacts
- Data Files

The good news

- The Sitemap protocol provides a solution to the invisibility factor:
 - Makes all pages, documents, records or other data on a site accessible to search engine users
 - Does not require website redesign/redevelopment, just a comparably modest time investment
 - Keeps the website owner in control

One solution for all search engines

Sitemaps can be made available to web search engines that support the Sitemaps protocol



“The launch of Sitemaps is significant because it allows for a single, easy way for websites to provide content and metadata to search engines”

— Tim Mayer, Senior Director of Product Management, Yahoo Search

“We are 100% behind this protocol -- this kind of collaboration will help improve the search experience for all of our customers”

— Ken Moss, General Manager, Live Search

Sitemaps for search engines

- A comprehensive list of a site's URLs, in simple text or rendered in XML
- If XML, then tagged with location, last modification date, change frequency and priority

```
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.google.com/schemas/sitemap/0.84">

  <url>
    <loc>http://www.example.com/</loc>
    <lastmod>2005-01-01</lastmod>
    <changefreq>monthly</changefreq>
    <priority>0.8</priority>
  </url>
  <url>
    <loc>http://www.example.com/catalog?item=12&desc=vacation_hawaii</loc>
    <changefreq>weekly</changefreq>
  </url>
  <url>
    <loc>http://www.example.com/catalog?item=73&desc=vacation_new_zealand</loc>
    <lastmod>2004-12-23</lastmod>
    <changefreq>weekly</changefreq>
  </url>
  <url>
    <loc>http://www.example.com/catalog?item=74&desc=vacation_newfoundland</loc>
    <lastmod>2004-12-23T18:00:15+00:00</lastmod>
    <priority>0.3</priority>
  </url>
  <url>
    <loc>http://www.example.com/catalog?item=83&desc=vacation_usa</loc>
    <lastmod>2004-11-23</lastmod>
  </url>
</urlset>
```

Relevant legislation and OMB policy

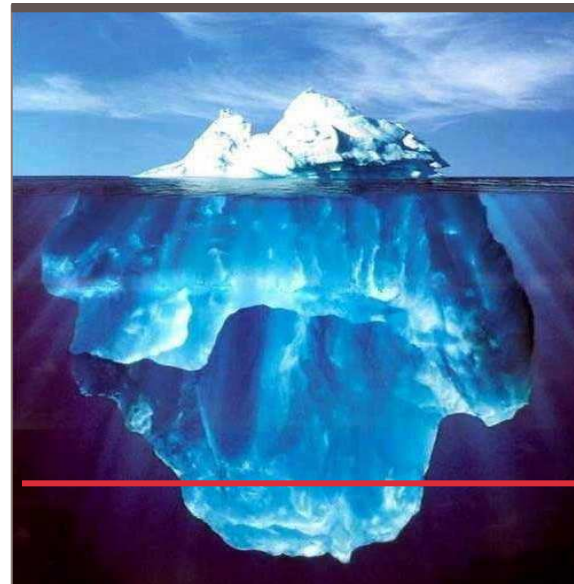
- The Sitemap protocol supports the **E-Government Act of 2002** requirements to:
 - “Organize and categorize information intended for public access and ensure it is searchable across agencies...[using] sophisticated Internet search functions (including their crawl and index mechanisms)...”
 - “...publish your information directly to the Internet...expos[ing] information to freely available and other search functions [that] adequately [organize] and [categorize] your information.”
 - “...[When] disseminating significant information dissemination products, advance preparation, such as using formal information models, may be necessary to ensure effective interchange or dissemination. This procedure is needed when freely available and other search functions do not adequately organize and categorize your information.”
 - The Sitemap protocol also supports the **Federal Enterprise Architecture's Data Reference Model 2.0** requirements to:
 - “Identify how information and data are created, maintained, accessed, and used...[and] Define data and describe relationships among data elements used in the agency’s information systems.”
- * Source: [Federal Sitemaps](http://colab.cim3.net/cgi-bin/wiki.pl?FederalSitemaps) (<http://colab.cim3.net/cgi-bin/wiki.pl?FederalSitemaps>), Semantic Interoperability (SICoP) and XML (xmlCoP) Community of Practice.

ERM metrics

- Relevant metric: “ERA-8 Percentage of Electronic Records Holdings Open and Accessible Online”
- Proposed metric: Percentage of electronic records holdings accessible through commercial search engines:
 - For NARA, effective accessibility is currently less than 1%
 - However, NARA’s AAD and ARC services are now being sitemapped, which will open 100 million records to search engine users

Join in

- Many government agencies are now implementing sitemaps
- How many of your agency's web services are invisible to citizen users? What can you do about it?
- Find out:
 - Query John Lewis (JL) Needham, jlneedham@google.com
 - Track the Federal Sitemaps effort: <http://tinyurl.com/3byhy7>



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