

Federated or Meta-search Engines:

These are search engines which search several search engines simultaneously. This is supposed to overcome limitations on the individual search engine algorithms.

- www.allonesearch.com
- www.beaucoup.com
- www.dogpile.com
- www.mamma.com
- www.go12net.com/search.html
- www.savvysearch.com

Authoritative, Real-time scientific information:

www.worldwidescience.org

www.science.gov Science docs from US Government agencies.

www.scitopia.org

<http://www.techextra.ac.uk> Searches 31 collections relevant to engineering, math and computing.

<http://mednar.com> Searches medical information sources

www.biznar.com Searches deep-web business sources.

<http://lifesearch.indexdata.dk#> Search university of Copenhagen Library of Faculty of Life Sciences.

www.scienceaccelerator.gov Hosted by the Office of Scientific and Technical Information, US Dept. of Energy.

www.osti.gov Also from the Office of scientific and Technical information.

Subject-Specific Search Engines: Index online documents providing access to files that often escapes comprehensive search algorithms. They are maintained by experts in the field. They are like a bibliography of bibliographies.

- www.searching.com/subjects
- invisibleweb.com
- www.thebighub.com
- dir.lycos.com/Reference/Searchable_Databases
- www.completeplanet.com
- www.moreover.com
- WebSearch Alliance Directory, fossick.com

Other Sites

<http://oedb.org/collegebasics>

<http://websearch.about.com/od/invisibleweb/a/invisibleweb.htm>

<http://clutsy.com>

<http://www.archive.org/index.php>

<http://www.freeprint.com/gary/direct.htm>

<http://gwis2.circ.gwu.edu/~gprice/newscenter.htm>

<http://findarticles.com>

CUYAHOGA VALLEY CHRISTIAN ACADEMY

4687 Wyoga Lake Rd.
Cuyahoga Falls, OH 44224
Phone: 330-929-0575

LIBRARY HELPS SERIES

FEDERATED SEARCH: REACHING THE INVISIBLE WEB



**CUYAHOGA VALLEY
CHRISTIAN ACADEMY**

Educating And Cultivating Servants For Christ

FEDERATED SEARCH: REACHING THE INVISIBLE WEB

Much information stored in various networked servers is not visible to standard search engines like Google. We need access tools to learn the latest in science research.

Databases: Each database is unique with a particular browse mode, menu bar, navigation tools, unique titles, saving and printing procedures. Sometimes the databases are grouped topically. The state of Ohio pays vast sums to make these available through school, public and academic libraries with an Ohio IPL and either a library card or a user name and password provided by your Library. Databases are generated by robots or “spiders”.

A] School – InfOhio

B] Public Library-- OPLIN

C] Academic Library-- OhioLink

Digital Libraries: Unique resources that have been collected and digitized by humans. These collections often have tables of contents, indexes, internal search engines, and other lists. First, one must identify which collection meets the need at hand. This is an incomplete list.

- Library of Congress, “American Memory,” lcweb2.loc.gov/ammem
- Smithsonian Institution, “Digital Library,” www.sil.si.edu/digitalcollections
- The Regents of the University of California, “California Digital Library,” www.cdlib.org
- Cornell University Library, “Digital Collections,” moa.cit.cornell.edu
- University of California, Berkeley, “Digital Collections-Museum Collections,” media2bmrberkeley.edu.projects/edtech/cite_list3cfm?Key=19
- Public Library of Charlotte and Mecklenburg County, “Storyplace: The Children’s Digital Library,” www.storyplace.org

Library Megasites: Library related collections of reviewed, indexed lists of appropriate web sites. Some have directories while most include search engines. Here is a beginning list.

A] Internet Public Library, www.ipl.org

B] Librarian’s Index to the Internet, www.lii.org

C] University of California, Riverside, “Infomine” www.infomine.ucr.edu
KidsClick! www.kidsclick.org

Federated Search Benefits

- Reaches ‘deep’ web where Google finds no links.
- Customized “search forms” for software encountered (Google’s is general).
- FS uses authoritative sources, Google uses anything not obviously spam.
- FS allows one search simultaneously reaching a many sources and compiles one page of results. Google must approach each source individually with individual results.
- FS has most current content.
- FS was developed independent of Web so its search engines need not be Web based.
- More benefits of FS:
 - > Aggregation: Fs will order results by date, title or author.
 - > MAY rank your results by relevance (not always).
 - >Tries to de-duplicate your results—tough to do.