



National Library of Sweden

# Why Open Access to Bibliographic Metadata Matters, for Libraries and for the World

Open Access and the Changing Role of Libraries, 2010-08-09

Anders Söderbäck, National Library of Sweden

Establishing open access as a worthwhile procedure ideally requires the active commitment of each and every individual producer of scientific knowledge and holder of cultural heritage. Open access contributions include original scientific research results, raw data and metadata, source materials, digital representations of pictorial and graphical materials and scholarly multimedia material.

*- Berlin Declaration on Open Access*

Establishing open access as a worthwhile procedure ideally requires the active commitment of each and every individual producer of scientific knowledge and holder of cultural heritage. Open access contributions include original scientific research results, raw data and metadata, source materials, digital representations of pictorial and graphical materials and scholarly multimedia material.

*- Berlin Declaration on Open Access*

Establishing open access as a worthwhile procedure ideally requires the active commitment of each and every individual producer of scientific knowledge and holder of cultural heritage. Open access contributions include original scientific research results, raw data and metadata, source materials, digital representations of pictorial and graphical materials and scholarly multimedia material.

*- Berlin Declaration on Open Access*

# Drivers for Open Access

- Idealistic (access, research, innovation...)
- Materialistic (law, economy...)

Information wants to be free, because the cost of getting it out is getting lower and lower all the time.

- *Stewart Brand*

Information wants to be expensive, because it's so valuable. The right information in the right place just changes your life.

- *Stewart Brand*

# 1968

Henriette Avram invents the MARC-record...



# LIBRIS – Union Catalogue for Swedish Research Libraries

- Since 1970
- Cooperation
- Currently maintained and developed by the National Library
- Public financed
- Voluntary participation

# LIBRIS – Union Catalogue for Swedish Research Libraries

- 180 libraries
- 6,5 million bibliographic records
- 20 million holdings
- Online Public Access (for humans) since 1997
- Open (or semi-open) bibliographic records since 1997
  
- No circulation!
- Several methods for exporting data to libraries

# 1989

Tim Berners-Lee invents the World Wide Web...

# LIBRIS – web interface 2008

The screenshot shows the LIBRIS search results page for the query 'open access'. The browser address bar shows the URL: <http://libris.kb.se/hitlist?q=open+access&r=;mtag:free&p=1&f=simp&g=&s=r&t=v&m=10&d=libris>. The page header includes the LIBRIS logo and navigation links: LIBRIS SEARCH FACILITIES | HELP | PÅ SVENSKA | PREFERENCES | CLEAR HISTORY. Below the header is a search bar containing 'open access' and a 'Search' button. The search results are displayed in a table with columns for result number, title, year, format, and availability. A 'Refine your search' sidebar is visible on the right.

Result	Title	Year	Format	Availability
1.	Willinsky, John, 1950- (author) <a href="#">The access principle [Elektronisk resurs] : the case for open access to research and scholarship / John Willinsky</a>	2006	E-book	2 libraries <a href="#">Read full</a>
2.	<a href="#">Open access information [Elektronisk resurs]</a>	2008	Multimedia	1 library <a href="#">See full</a>
3.	<a href="#">Open Access [Elektronisk resurs] : opportunities and challenges : a handbook / [German Commission for Unesco] ; European Commission, Directorate-General for Research, Directorate L, Science, Economy and Society. [Coord.: of translation: Barbara Malina and Celina Ramjoue].</a>	2008	E-book	1 library <a href="#">Read full</a>

**Refine your search**

- Availability**
  - free online (1499)
- Type**
  - journal etc. (1429)
  - book (60)
  - other (8)
  - multimedia (2)
  - e-resource (1482)
  - theses (4)
- Author**
  - Adolfson, Malin, 197 ... (2)
  - Younossi, Obaid. (2)
  - Kirch, Olaf (2)
  - Linde, Peter (1)
  - Ostry, Jonathan Davi ... (1)
  - show more...
- Language**
  - Undefined language (1357)

Design a thing by considering it in its next largest context - a chair in a room, a room in a house, a house in an environment, environment in a city plan.

- *Eliel Saarinen*

**A library catalog must  
be designed by  
considering its context  
of the Web.**





# 2008 – New agreement between the National Library and LIBRIS participants

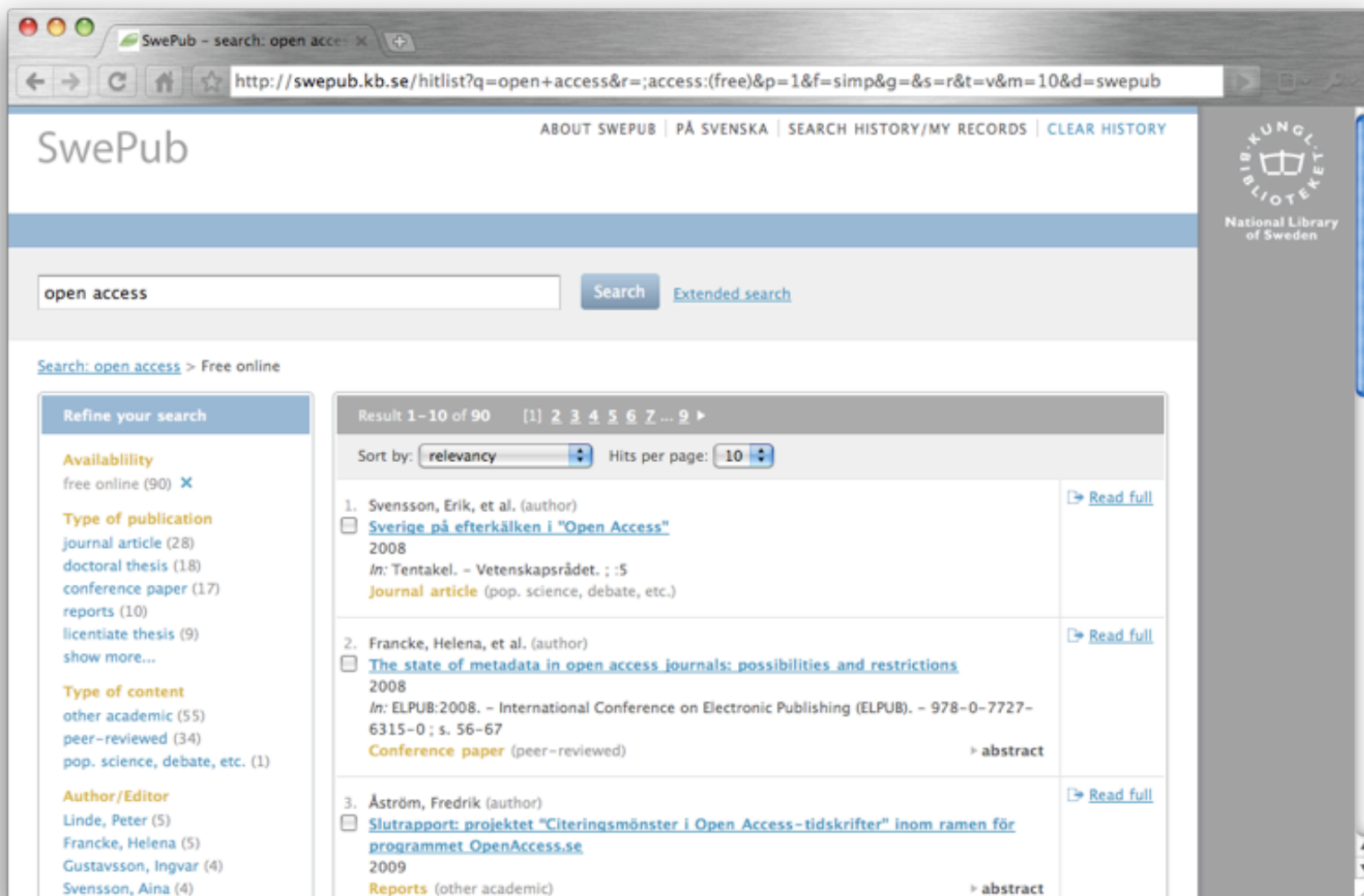
- The National Library owns the database...



## 2008 – New agreement between the National Library and LIBRIS participants

- The National Library owns the database...
- ...but makes it freely available.

# SwePub – aggregation of Swedish publication databases 2009



The screenshot shows the SwePub search results page for the query "open access". The browser address bar shows the URL: [http://swepub.kb.se/hitlist?q=open+access&r=-;access:\(free\)&p=1&f=simp&g=&s=r&t=v&m=10&d=swepub](http://swepub.kb.se/hitlist?q=open+access&r=-;access:(free)&p=1&f=simp&g=&s=r&t=v&m=10&d=swepub). The page features a search bar with the text "open access" and a "Search" button. The results are displayed in a list format, showing the first three results. The left sidebar contains a "Refine your search" section with filters for Availability, Type of publication, Type of content, and Author/Editor. The right sidebar contains the National Library of Sweden logo and name.

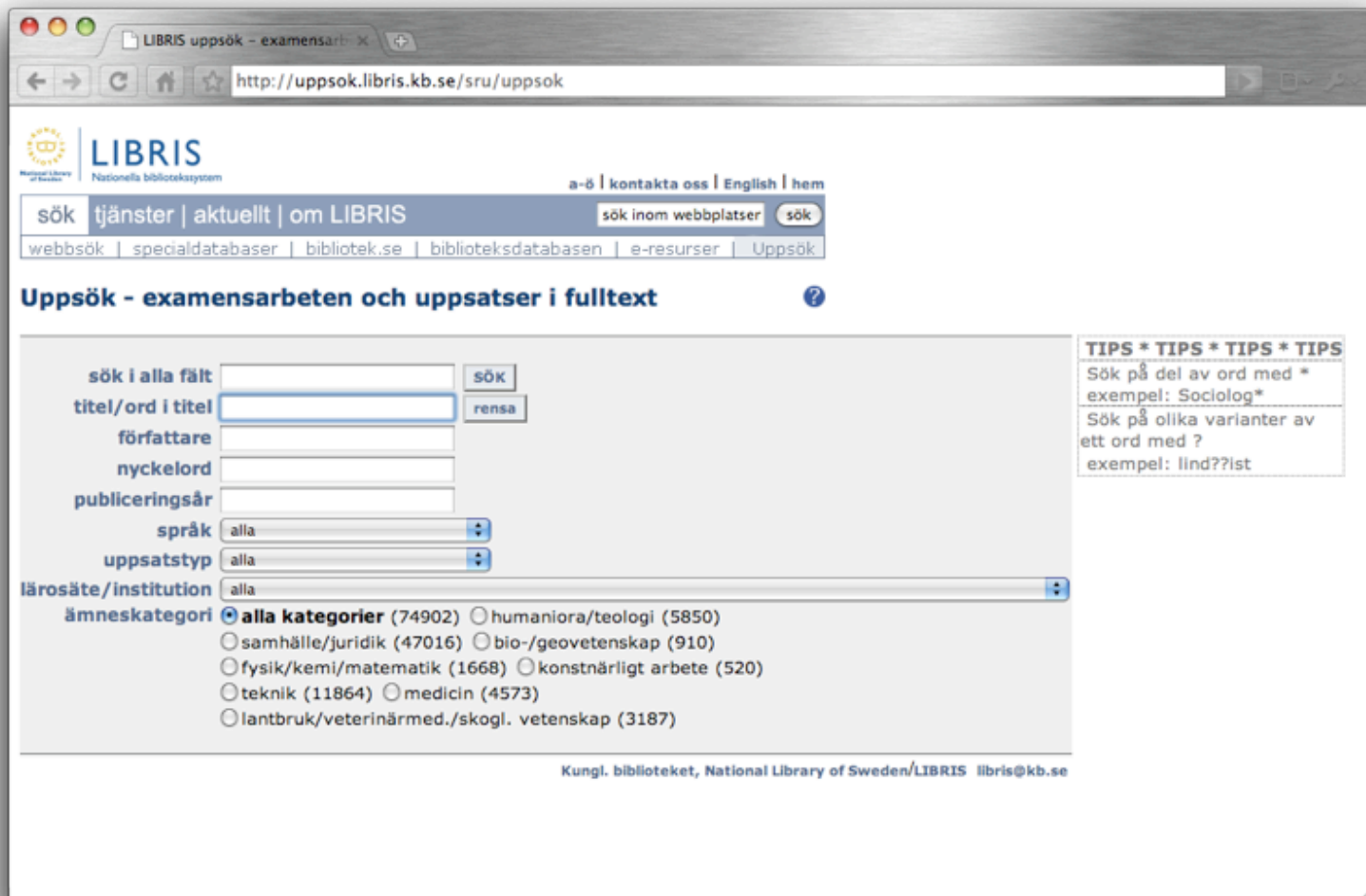
**Refine your search**

- Availability**  
free online (90) ✕
- Type of publication**  
journal article (28)  
doctoral thesis (18)  
conference paper (17)  
reports (10)  
licentiate thesis (9)  
show more...
- Type of content**  
other academic (55)  
peer-reviewed (34)  
pop. science, debate, etc. (1)
- Author/Editor**  
Linde, Peter (5)  
Francke, Helena (5)  
Gustavsson, Ingvar (4)  
Svensson, Aina (4)

**Result 1 – 10 of 90** [1] 2 3 4 5 6 7 ... 9 ▶

Sort by: **relevancy** Hits per page: **10**

- Svensson, Erik, et al. (author)  
[Sverige på efterkälken i "Open Access"](#)  
2008  
*In:* Tentakel. – Vetenskapsrådet. ; :5  
**Journal article** (pop. science, debate, etc.) [Read full](#)
- Francke, Helena, et al. (author)  
[The state of metadata in open access journals: possibilities and restrictions](#)  
2008  
*In:* ELPUB:2008. – International Conference on Electronic Publishing (ELPUB). – 978-0-7727-6315-0 ; s. 56-67  
**Conference paper** (peer-reviewed) [Read full](#) [abstract](#)
- Åström, Fredrik (author)  
[Slutrapport: projektet "Citeringsmönster i Open Access-tidskrifter" inom ramen för programmet OpenAccess.se](#)  
2009  
**Reports** (other academic) [Read full](#) [abstract](#)



The screenshot shows the LIBRIS search interface in a browser window. The address bar shows the URL <http://uppsok.libris.kb.se/sru/uppsok>. The page header includes the LIBRIS logo and navigation links for 'a-ö', 'kontakta oss', 'English', and 'hem'. A search bar contains the text 'sök tjänster | aktuellt | om LIBRIS' and a 'sök inom webbplatser' button. Below the search bar are links for 'webbsök', 'specialdatabaser', 'bibliotek.se', 'biblioteksdatabasen', 'e-resurser', and 'Uppsök'. The main heading is 'Uppsök - examensarbeten och uppsatser i fulltext'. The search form includes fields for 'sök i alla fält', 'titel/ord i titel', 'författare', 'nyckelord', 'publiceringsår', 'språk', 'uppsatstyp', and 'lärosäte/institution'. A 'rensna' button is located next to the 'titel/ord i titel' field. The 'ämneskategori' section lists various subject categories with radio buttons and counts: 'alla kategorier (74902)', 'humaniora/teologi (5850)', 'samhälle/juridik (47016)', 'bio-/geovetenskap (910)', 'fysik/kemi/matematik (1668)', 'konstnärligt arbete (520)', 'teknik (11864)', 'medicin (4573)', and 'lantbruk/veterinärmed./skogl. vetenskap (3187)'. A 'TIPS \* TIPS \* TIPS \* TIPS' box on the right provides search advice: 'Sök på del av ord med \* exempel: Sociolog\*' and 'Sök på olika varianter av ett ord med ? exempel: lind??ist'. The footer contains the text 'Kungl. biblioteket, National Library of Sweden/LIBRIS libris@kb.se'.

ESSAYS.SE: Swedish university essays

Find: [Swedish University Essays](#) [Swedish Dissertations](#) Essays.se is a part of [Academicnetwork.se](#)

**essays.se** Search and download **16391** university essays from Sweden. In English. For free.

[Search essays](#) [Do a more advanced search >](#)

### University essays from Sweden

Essays.se is a digital resource which enables you to search and download thousands of English-language university essays from Sweden.

What are university students in Sweden writing their final theses about? Here you will find out. To start searching, type something into the green search box, above!

**More info about Essays.se**

Essays.se gives non-Swedish speakers access to essays published at Swedish universities.

Essays.se is the English language version of the website [Uppsatser.se](#). ("Uppsatser", incidentally, means "essays" in Swedish.)

At the main site [Uppsatser.se](#) there are more than 50.000 essays and final theses, but most of these are written Swedish. Therefore, at Essays.se you will only find the English-language essays.

At the moment you will find **16391** essays through this website, but more are added each week - as soon as they are finished by the students and submitted by the Swedish universities.

[More info about Essays.se >](#)

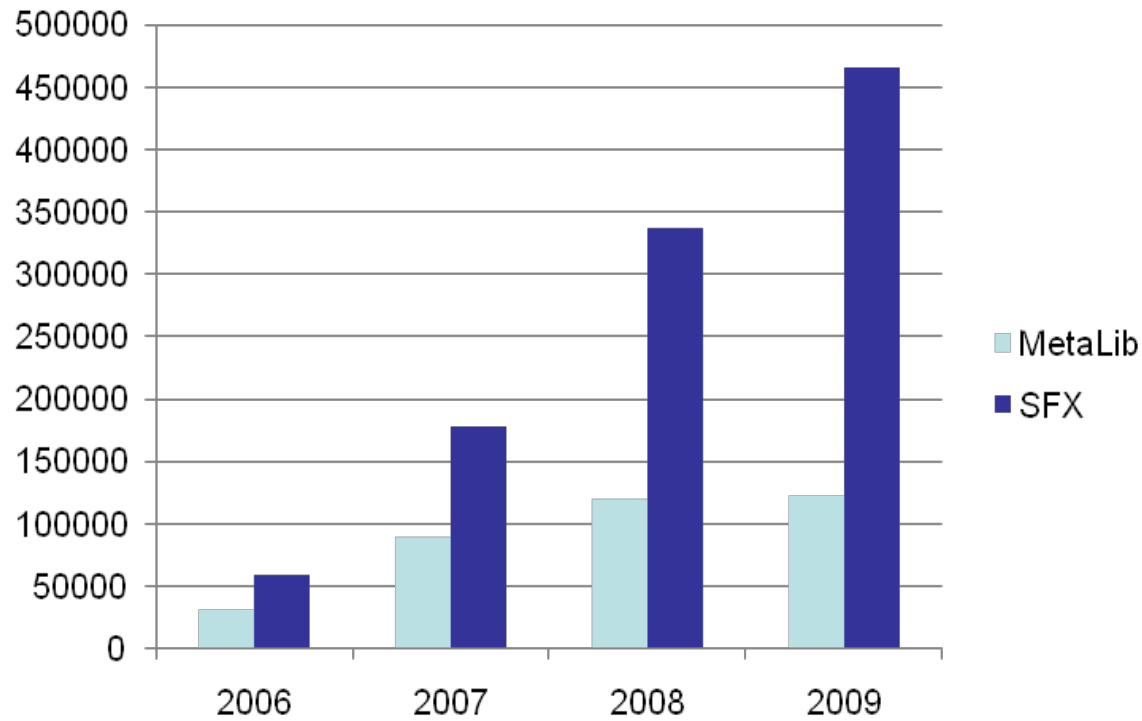
That goes back to a major theme of web 2.0 that people haven't yet tweaked to. It's really about data and who owns and controls, or gives the best access to, a class of data. ...A lot of people still think, "Oh, it's about social networking. It's about blogging. It's about wikis." I think it's about the data that's created by those mechanisms, and the businesses that that data will make possible.

- Tim O'Reilly, "Web 2.0 Is About Controlling Data", <http://bit.ly/bOGCJy>

# Idealistic reasons for open bibliographic data

- Enable use of bibliographic data (in libraries and elsewhere)
- Make library material visible on the WWW
- Connect library technology with the rest of the world
- Cooperation (among libraries and with other parties)
- Open up for innovative, unexpected use

# Usage of SFX Link Resolver in the Swedish Samsök Consortium, 2006–2009



# Current trends in (library) technology

- Knowledge bases
- Mega-aggregates
- Software/Data as a Service
- Webscale/Universal Management
- Cloud computing
- Subscription based services
- Convergence of media and system
- ...

The cloud is currently a question, not an answer.

- *Lorcan Dempsey, OCLC*

The Internet business ecosystem can thus be seen as a competition to establish monopolies over various classes of data. ... [Y]ou have to make sure that public data remains public!

*-Tim O'Reilly, "Government as Platform", <http://bit.ly/a7gxrM>*

# Materialistic reasons for open bibliographic data

- Avoid monopolies on aggregation
- Avoid legal gridlocks
- Enable the materialistic reasons for open bibliographic data
- Many eggs can be put in many baskets

# Closing questions

- Who will be the owner of library infrastructure?
- What about non OA-resources?
- Is the big question legal, economical, technical or organizational? Or all of this at the same time?
- Do we risk a "system crisis"?

Don't let the capitalists rip off your culture and sell it back to you!

- *Old Hippie Saying*



# Thanks!

*anders.soderback@kb.se*