Summon: True Web-Scale Discovery.
Leveraging new technologies to empower library search

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14th November 2011
library  [lahy-brer-ee, -bruh-ree, -bree]  
noun, plural -brar·ies.

1. a place **set apart to contain** books, periodicals, and other material for reading, viewing, listening, study, or reference, as a room, set of rooms, or building where books may be read or borrowed.

2. a public body organizing and maintaining such an establishment.

3. a **collection** of manuscripts, publications, and other materials **for reading, viewing, listening, study, or reference**.

4. a collection of any materials for study and enjoyment, as films, musical recordings, or maps.
Physical items

Described by title, author, subject etc
Content has changed

Content has changed

Search has changed
January 2006: Assessing User Behaviour

- Intercontinental User Studies
  - 70 sessions, 8 universities

- Online User Focus Groups
  - 9 groups, 80 participants

- Librarian Focus Group
  - 7 Groups, 47 Librarians

- User Questionnaires
  - 10,463 completed questionnaires
• The importance of the role of the library as a gateway for locating information has fallen over time

• The library is increasingly disintermediated from the actual research process

“Net-Generation” and “Millennials”:

- Independent
- Don’t ask questions
- Are anonymous
- Expect open, fast and comprehensive systems like Google and Bing

User 2.x
Where do they search?

- Google
- Library Databases
WHAT do they search?

- Fulltext sentences
- Snippets
- Quotations
- Whole abstracts
- Nothing at all! (sometimes)
Existing Solutions no longer work

"Too Complicated"

- Fernleihe, Dokumentlieferdienste
- Neuerwerbungen
- Neue Datenbanken und E-Books, neue elektronische Zeitschriften
- Nachschlagen: Übersicht Nachschlagewerke, Library Information Portal (Brockhaus-Enzyklopädie, Duden ...)
- Servicesangebote zur Literatursuche - kopieren, drucken, scannen, zitieren, exportieren ...
Existing Solutions no longer work

- OPAC Data + Discovery Layer + Fed Search
- Content Platform + Partial Index + Fed Search
- Next Generation Catalog + Partial Index + CrossRef Metadata Service
So what did we do?
The next step in handling library data for search

ALL heterogenous library content in one index – books, e-content, fulltext, images, everything.
Over 8,000 Publishers indexed in Fulltext
"Match & Merge"

Publisher Metadata
Title: Structure-based discovery of antibacterial drugs
Author: Katie J. Simmons
Abstract: <short>
Full Text: <full text>
Genre: <none>
Subject Terms: <none>
DOI: 10.1038/nrmicro2349

Aggregator Metadata
Title: Structure-based discovery of antibacterial drugs
Author: Katie J. Simmons
Abstract: <medium detailed>
Full Text: <full text>
Genre: <medicine>
Subject Terms: <chemotherapy, antibacterial agents>
DOI: 10.1038/nrmicro2349

A&I Metadata
Title: Structure-based discovery of antibacterial drugs
Author: Katie J. Simmons
Abstract: <detailed>
Full Text: <full text>
Genre: <medicine>
Subject Terms: <chemotherapy, antibacterial agents>
Mesh: <xxxxxxx>
Keywords <yyyyyy>
DOI: 10.1038/nrmicro2349

Summon Record
Title: Structure-based discovery of antibacterial drugs
Author: Katie J. Simmons
Abstract: <detailed>
Full Text: <full text>
Genre: <medicine>
Subject Terms: <chemotherapy, antibacterial agents>
Mesh: <xxxxxxx>
Keywords <yyyyyy>
DOI: 10.1038/nrmicro2349

Zeit der Publikation FT kommt direkt vom Verlag.
Eine Woche später erhalten wir den selben Datensatz von einem Aggregator und mehr Inhalt wird hinzugefügt.
Kurz danach wird dies von A&I wie z.Bspl Medline aufgenommen und fügt weitere Schlagwörter, MESH etc. hinzu.
Der Summon Datensatz besteht aus einer Kombination von allen erhaltenen Datensätzen. Dies kann manchmal einige Wochen dauern, aber der Update wird täglich durchgeführt.
Example of Enriched Merged Record

Massive Data enrichment
What about your OPAC Data?

No longer enough for 21\textsuperscript{st} Century Discovery
Fulltext Searching of your OPAC data!

Search your print collection in Fulltext
SUMMON on Mobile

SUMMON automatically works on iPhone, Android, Blackberry

Try it:

http://tiny.cc/summon
And on TABLETS!
Built like the web – Open for End-to-End development

Open Source Search with Lucene & Solr

magnolia®
More than 300 libraries worldwide

Under 12 Week Install

Integrates with dozens of ILS and Next Gen Catalogues
Thanks!

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