Library 2.0
an update from the SFX-Verde team

All-Staff Meeting
January 4-5, 2006
### Team members

- Ellen Duranceau (co-chair)
- Jennifer Edwards
- Tracy Gabridge
- Millicent Gaskell
- Nicole Hennig (co-chair)
- Rebecca Lubas (fall ’05+)
- Kim Maxwell
- Beth Siers
- Rich Wenger

### Outline

- Charge and context for our work (Ellen)
- Our vision for the future (Nicole)
- Where we are now: user needs assessment (Tracy)
- Questions
Moving toward a more flexible infrastructure

• **Verde** is a tool that can be part of a **new flexible infrastructure** in a way that **Vera** can’t be
MIT Libraries data

Course Management: Sakai Stellar

Google Scholar

CiteULike

Flickr

Personal Info Management systems

subject/institutional repositories

Libraries' expert interfaces

Amazon

MIT Libraries web site
Our recommendation so far

• More in-depth understanding of our users.
• Move away from “silos.”
• Continue to work with ExLibris to improve Verde.
• Spring/summer 2006: make recommendation for moving forward.
Web 2.0

• the network as platform
• software as a continually updating service
• consuming and remixing data from multiple sources
• providing your data and services in a form that allows remixing by others
• an “architecture of participation”
Examples of moving towards Library 2.0

- sharing data with Google Scholar
- RSS feeds for news & new books
- course pages with embedded metasearch
- extending Firefox with scripts
- user tagging: del.icio.us and CiteULike
- visual displays: Grokker
Sharing data with Google Scholar

Acceleration of global warming due to carbon-cycle feedbacks in a coupled climate model - Full text - MIT Libraries
PM Cox, RA Betts, CD Jones, SA Spall, IJ ... - Nature, 2000 - nature.com
Cited by 318 - Web Search - eprints.soton.ac.uk - citebase.eprints.org - adsabs.harvard.edu - all 9 versions »

The Impact of Global Warming on Agriculture: A Ricardian Analysis - Full text - MIT Libraries
... Applying the model to a global-warming scenario shows a significantly lower estimated impact of global warming on US agriculture than the traditional production ...
Cited by 142 - Cached - Web Search
RSS Feeds - releasing our content for other sites

MIT Libraries News

Methods in Enzymology available online
December 20th, 2005

The MIT Libraries have subscribed to the online version of Methods in Enzymology, an acclaimed laboratory standard in biochemistry, from the volume 1 (1955) to current.

To access Methods in Enzymology, use Vera or bookmark the following URL: http://libraries.mit.edu/get/mitenzey.

The Science Library will continue receiving the print volumes (call number OP601.C719). These volumes are currently in the reference collection, but will be moved to the stacks and available to borrow in summer 2006.

Posted in All news, Subject/Topic areas, Engineering, Science

New Do-It-Yourself Market Research Guide

December 20th, 2005

Market research reports on the web often come with a hefty price tag. Dewey’s new subject guide, Market Research – DIY Resources, shows how researchers can mine market information from databases freely available to MIT users.

- developing industry overviews, analyzing markets, and
- understanding the competitive environment

RSS feeds by topic

RSS feed by topic

Here is a list of RSS feeds for each topic. You will need a news aggregator to these feeds.

For more information about RSS feeds, see RSS: Keeping up with Research

All news - RSS

Events - RSS
- Author readings - RSS
- Classes - RSS

What is RSS?
RSS Feeds - our feed in a newsreader

MIT Libraries IAP events

Are you wondering what an RSS feed is and how it can help your research? Interested in information? Want to learn more about using GIS, EndNote or RefWorks? Need to find social science data, or patents?

Look no further! The MIT Libraries are offering classes on these topics and much more. IAP Activities list for more information.

MIT Libraries News – 12/22/05 12:52 PM Posted by Angie Lockanr in All news, Events, areas – Comments
New Do-It-Yourself Market Research Guide
Tuesday, December 20th, 2005

Market research reports on the web often come with a hefty price tag. Our new guide, Market Research - DIY Resources, shows how researchers can make the most of their dollars from databases freely available to MIT users. The guide highlights:

- developing industry overviews,
- analyzing markets, and
- understanding the competitive environment.

It also includes access to several off-the-shelf sources of market research reports from Gartner, Jupiter, and Euromonitor.

Posted in All news, Business + Management

Find the Full-Text of Business Dissertations
Wednesday, November 30th, 2005

Did you know there are business dissertations in ABI/Inform Global? The database includes over 10,000 full-text business dissertations. To find them, enter your keywords and then click on the search results page.

Posted in All news, Business + Management

Factiva Now Works in More Browsers
Wednesday, November 16th, 2005

MIT Libraries News
RSS feeds, saving search results, (future of alerting services)

INSPEC

Search Results 20602 records found in Inspec for 1896-2006  Save Search | Create Alert | RSS

Sort by: Relevance ▼ Date Author Source Publisher

1. Fabrication of nanocomposite Ti(C,N)-based cermet by spark plasma sintering
   Yong Zheng (Coll. of Mater. Sci. & Technol., Nanjing Univ. of Aeronaut. & Astronaut., China); Shengxiang Wang; Min You; Hongyan Tan; Weihao Xiong Source: Materials Chemistry and Physics, v 92, n 1, 15 July 2005, p 64-70
   Database: Inspec
   Abstract | Detailed Record

2. Fabrication of CNTs on Ni-cap electron emitters by using prenucleation technique
   Yi-Chun Chen (Dept. of Phys., Nat. Cheng Kung Univ., Tainan, Taiwan); You-Ming Tsau; Yun-Shou Hsieh; Hsiu-Fung Cheng; I-Nan Lin Source: Diamond and Related Materials, v 14, n 3-7, 2005, p 758-62
   Database: Inspec

Copy and paste the link to your RSS reader. Each week when the database is updated any new results matching your query will be delivered with each update.

For more information on RSS see the Help section.
Prototype from Proquest of RSS feed containing search results embedded in a course page
Cross searching by topic - embedded in a course page
Metalib with x-server (Xerxes: Cal. State San Marcos)

**History Databases**

- [ ] Available in the Library (250,000 titles)
- [ ] 1 to 3 day delivery (3,000,000 titles)
- [ ] 5 to 10 day delivery (50,000,000 titles)

**Books & Media**

- [ ] Available in the Library (250,000 titles)
- [ ] 1 to 3 day delivery (3,000,000 titles)
- [ ] 5 to 10 day delivery (50,000,000 titles)

**Article Databases — Most Useful**

- [ ] America: History & Life
- [ ] Historical Abstracts
- [ ] JSTOR
- [ ] Project Muse

**Article Databases — Also Useful**

- [ ] Popular Magazines & Scholarly Journals (Acad Search Elite)
- [ ] Chicano Database
- [ ] Electronic Collections Online (ECO)
- [ ] eScholarship
- [ ] Ethnic NewsWatch
- [ ] Handbook of Latin American Studies
Integrating web sites with Greasemonkey scripts in Firefox

The Movie Dude

Version: 1.5
View & install (for Firefox 1.5): moviedude15.user.js
Previous version 0.8.9 (for Firefox 1.0): moviedude.user.js

Adds links between various movie sites.

This script adds links from movie pages on: NetFlix, IMDb, Yahoo, Blockbuster, Rotten Tomatoes and Roger Ebert to movie searches on: NetFlix, IMDb, Yahoo, Blockbuster, Rotten Tomatoes, Amazon, The Pirate Bay and Roger Ebert:

The Chronicles of Narnia: The Lion, the Witch and the Wardrobe (2005)

- NetFlix
- Yahoo
- Amazon
- Blockbuster
- Rotten Tomatoes
- The Pirate Bay
- Ebert

Directed by Andrew Adamson

Writing credits
C.S. Lewis (novel)
Ann Peacock (screenplay) ... (more)
Integrating library catalogs into Amazon with Greasemonkey scripts in Firefox

Perdido Street Station
Available in Palo Alto Library!
by CHINA MIEVILLE "Aspic Bazaar, a blaring goods, grease and tallymen..." (more)
SIPs: crisis engine, cleaning construct, khe people, militia tower (more)

Good Business: Leadership, Flow, and the Making of Meaning
Due back at Palo Alto Library on 05/31/2005
by Mihaly Csikszentmihalyi "Our jobs determine to extent what our lives are like..." (more)
SIPs: psychological capital, experience flow

The Truth About Hillary: What She K
In process (available soon) at Palo Alto Lib
by Edward Klein

Mind Hacks (Hacks)
Not in Palo Alto Library
by Tom Stafford, Matt Webb

List Price: $16.4
You Save: $8.4
Availability: Usually ships within 1-2 business days

Join Amazon Prime and
and ship Two-Day for free and Overnight for $3.99. Already a Prime member? Click here to renew.
Greasemonkey Hacks: Tips & Tools for Remixing the Web with Firefox (Hacks) (Paperback)
by Mark Pilgrim

⭐⭐⭐⭐⭐ (2 customer reviews)

List Price: $24.95
Price: $16.47 & eligible for FREE Super Saver Shipping on orders over $25. See details

You Save: $8.48 (34%)

Availability: Usually ships within 24 hours. Ships from and sold by Amazon.com.

Want it delivered Wednesday, January 4? Order it in the next 28 hours and 2 minutes, and choose See details
<table>
<thead>
<tr>
<th>Script Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amazon CMPL Linky</td>
<td>Search the Charlotte Public Library Catalog from Amazon book listings.</td>
</tr>
<tr>
<td>Ryan Boyle</td>
<td></td>
</tr>
<tr>
<td>amazon library charlotte</td>
<td></td>
</tr>
<tr>
<td>January 02</td>
<td></td>
</tr>
<tr>
<td>Amazon ESLS Linky</td>
<td>Search the Eastern Shores Library System from Amazon book listings.</td>
</tr>
<tr>
<td>StrangeTikiGod</td>
<td></td>
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<tr>
<td>Library Eastern Shores Library System</td>
<td></td>
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<td>amazon</td>
<td></td>
</tr>
<tr>
<td>December 29</td>
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</tr>
<tr>
<td>Amazon HeightsLibrary Linky</td>
<td>Search the Cleveland Heights-University Heights Public Library Catalog from Amazon book listings.</td>
</tr>
<tr>
<td>Laura Solomon</td>
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<td>cleveland heights library heights library</td>
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<td>amazon</td>
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<tr>
<td>January 02</td>
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</tr>
<tr>
<td>Amazon KCLS Link</td>
<td>Search the King County Library System (around Seattle WA).</td>
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<tr>
<td>Sanjeev Narang</td>
<td></td>
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<tr>
<td>amazon library kcls</td>
<td></td>
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<tr>
<td>January 02</td>
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<tr>
<td>Amazon Linky</td>
<td>This script inserts three icons under the book title, which link to two libraries and one price comparison site respectively.</td>
</tr>
<tr>
<td>Chenxin Li</td>
<td></td>
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<tr>
<td>amazon book library</td>
<td></td>
</tr>
<tr>
<td>January 02</td>
<td></td>
</tr>
</tbody>
</table>
User Tagging

Web 2.0: Current Realities and a Look to the Future
contains links to PPT slides from the presentations
to web2.0 conferences socialsoftware ... and 2 other people ... on 2005-12-20 ... edit / delete

Federated Search: practical applications and future directions (conference)
contains links to PPT slides of presentations
to metasearch libraries federated-search ... and 2 other people ... on 2005-12-20 ... edit / delete

Talis In Depth - white papers, articles and presentations
to libraries library2.0 ... and 3 other people ... on 2005-12-15 ... edit / delete

Tagging tags to make synonyms / Atomiq
to folksonomies metadata tags web2.0 authorityfile cataloging ... and 53 other people ... on 2005-12-15 ... edit / delete

blyberg.net » ILS Customer Bill-of-Rights
to libraries library2.0 opac catalogs web2.0 ... and 18 other people ... on 2005-12-15 ... edit / delete

Digital Libraries: Challenges and Influential Work
A related or connected issue is the debate surrounding the efficacy of metadata searching vs. full-text searching. This issue pits Google-type Web search against OAI harvested search and discovery. One promising supplement to OAI item-level metadata is co
to federated-search metasearch libraries ... and 3 other people ... on 2005-12-14 ... edit / delete

Userscripts.org - Universal Repository
to libraries library2.0 Firefox ... on 2005-12-14 ... edit / delete

BBC NEWS | Programmes | The Power of Nightmares: Baby It's Cold Outside
to BBC movies video documentary ... and 24 other people ... on 2005-12-09 ... edit / delete

BBC NEWS | Programmes | Power of Nightmares re-awakened
to media tv documentaries BBC ... and 9 other people ... on 2005-12-09 ... edit / delete

Charles R. Martell - The Ubiquitous User: A Reexamination of Carlson's Deserted Library - portal:
Libraries and the Academy 5:4
to libraries ... on 2005-12-07 ... edit / delete

32 Tips to Inspire Innovation for You and Your Library: Part 3
to libraries ... and 5 other people ... on 2005-12-07 ... edit / delete

Perceptions of Libraries and Information Resources (2005) [OCLC - OCLC Reports]
All your items (240)

« earlier | later »   page 1 of 3

smart cities
to MIT cities culture ... and 6 other people ... on 2006-01-03 ... edit / delete

Gizmo – A free phone for your computer
to voIP phone skype ... and 1020 other people ... on 2006-01-03 ... edit / delete

snarfed.org :: palo alto library amazon greasemonkey
to libraries greasemonkey amazon ... and 1 other person ... on 2006-01-02 ... edit / delete

Cheap Airfare, Hotel Reservations, Car Rentals - Kayak.com
to travel flights airfare ajax ... and 561 other people ... on 2006-01-02 ... edit / delete

Grant Robinson : Montage-a-google launcher
to remixing google flash flickr art photos ... and 1065 other people ... on 2005-12-24 ... edit / delete
My del.icio.us tags
Flickr tags

All time most popular tags

amsterdam animal animals april architecture art australia baby barcelona beach berlin bird birthday black blackandwhite blue boston bridge building bw california cameraphone camping canada car cat cats chicago china christmas church city clouds color colorado concert day dc dog dogs england europe family festival fireworks florida flower flowers food france friends fun garden geotagged germany girl graduation graffiti green hawaii holiday home honeymoon house india ireland italy japan july june kids lake landscape light london losangeles macro march may me mexico moblog mountains museum music nature new newyork newyorkcity newzealand night nyc ocean orange oregon paris park party people phone photo pink portrait red reflection river roadtrip rock rome sanfrancisco school scotland sea seattle sky snow spain spring street summer sun sunset taiwan texas thailand tokyo toronto travel tree trees trip uk unfound urban usa vacation vancouver washington water wedding white winter yellow zoo
User tagging

Group VisionLab
Recent papers posted by members of the VisionLab group

- **Attention to locations and features: different top-down modulation of detector weights.**
  by Baldassi S, Verghese P
  posted to attention by fengzhou as ★★★★★
  on 2005-11-10 22:38:14

- **Spatial scaling factors explain eccentricity effects on face ERPs**
  by Rousselet H
  posted to eeg face-perception by fengzhou as ★★★
  on 2005-11-10 22:32:58

- **Gender differences in object location memory in a real three-dimensional environment**
  by Iachini T, Sergi I, Ruggiero G, Gnisci A
  posted to maps spatial-navigation by jmaryott as ★★
  on 2005-11-08 19:24:31

- **Bayesian inference for psychometric functions.**
Visual displays
http://en.wikipedia.org/wiki/Web_2.0
Web 2.0 concepts are changing our world

• modular building blocks
• fits in with our **strategic goals**
• how can we build library 2.0?
Strategic goals

1) Provide rich digital collections, targeted specifically to MIT’s research and education programs, and supply effective tools for their use.

2) Simplify and standardize across the library system wherever possible to facilitate interdisciplinary research by users.

3) Support and enhance user self-sufficiency in physical and virtual access.
Strategic goals

4) Develop virtual services, including information resources support, that achieve the same standards of excellence we expect for our in-person services and physical collections.

5) Implement systems and programs that demonstrate and/or enable new approaches to information management.
Borrow - Buy - Build

• partner with other institutions:
  California Digital Library
  California State, San Marcos
  North Carolina State
  Univ. of Rochester

• use open source components

• buy some parts:
  - Metalib x-server, Verde
  - systems such as Grokker
Improving our user experience AND exposing our data elsewhere

• the same technical infrastructure supports both

• this gives us flexibility to expose general tools in a portable way AND
to expose the specialized tools and metadata of our in-depth collections
Model user behavior

- Design works best when it models user behavior. (Joshua Porter)
Continual cycle

• users keeps changing (generational differences, learning style differences)
• technology keeps changing
Current model

- spend years study and comparing pros and cons of commercial systems
- plan multi-year implementation process
- buy one system from one vendor
- buy more systems
- systems proliferate
- systems are separate ("silos")
New model

• modular components
• buy, build, borrow
• set up prototypes and beta services
• free the data and allow mixing and matching
• keep studying the users
• when new technologies appear, plug them in as components
Iterative change

new technologies appear

delete module

get feedback

implement new modules

study users

get feedback

implement module

study users
Portfolio

At any moment we have:

- some betas
- some prototypes
- some existing older systems
- experiments
- moving some things to production
- user studies and feedback
“Power of modularity”

MIT Press, 2000

Carliss Y. Baldwin and Kim B. Clark.

In their book *Design Rules: The Power of Modularity*, they argued that when there is a lot of technological uncertainty, the fastest way to find the best solution is to permit lots of independent experiments. That requires modular designs rather than tightly integrated systems.
MIT Libraries data

Amazon

Libraries’ expert interfaces

subject/institutional repositories

Personal Info Management systems

Flickr

Course Management: Sakai Stellar

Google Scholar

CiteULike
Next steps

• User needs assessment & results.
• Test prototypes, get user feedback.
• Make recommendation for moving forward.
Overall Goals

• Make our end-user interfaces as useful as possible

• How can we balance meeting the needs of different types of users?
What can we learn?

- The types of information tasks our users are engaged in.
- How they currently engage in those tasks.
- What works well for them, and what can be improved.
- The types of users we have and various ways to categorize them.
Assessment events

- Photo/diary study
- Interviews
- Group task analysis
Photo/Diary Study

Excerpt

We are interested in finding out how you seek and use information related to your academic and research life. During a 7-day period we'd like you to take photos and brief notes whenever you engage in information-seeking activities related to your academic studies at MIT.

Examples of photos might include:
- talking to a colleague or professor
- a computer screen
- browsing the stacks
- using your PDA or cellphone

These photos will be used to jog your memory during an interview where we will ask you to tell the story of what you did during the week. (We will provide a place for you to upload your digital photos in advance of the interview).
Photo/Diary Study

- Where are you when you look for information? (dorm room, library, cafe, student center)

- What are you doing?

- In what order do you go about a task?

- What strategies do you use?

- Why are you searching or using the information?

- What resources are you using? (web, books, journals, friends, library databases, e-journals, newspapers, maps, data sets)

- What are you searching for?

- When are you doing these things? (day of week, time of day, time of year)

- What devices do you use? (computer, iPod, PDA, cell phone, other)
“I took the MIT libraries survey last night, and there was a question on it that asked about the **value of a unified interface** that could search book collections, journals, databases, etc.

**Such a thing would be very useful...**

The key thing to consider though, is a **programmable interface**, preferably one that's fully extensible with a real programming language....

You need to think in terms of serving the MIT population, which is a pretty different task than most libraries are facing. We're not afraid of programming things here -- **what I'd really like is an interface to the libraries that I can write my own libraries for**, and hack on to make it work the way I want it to.”

- comment from a grad student in Brain & Cognitive Science, Nov. 8, 2005
User needs team

- Nicole Hennig
- Tracy Gabridge
- Millicent Gaskell
- Darcy Duke
- Stephen Skuce
- Christine Quirion
- Amy Stout
- Maggie Bartley
Results

• We’ll be sharing results widely
• Will be of use to many different groups in the libraries.
• Questions?