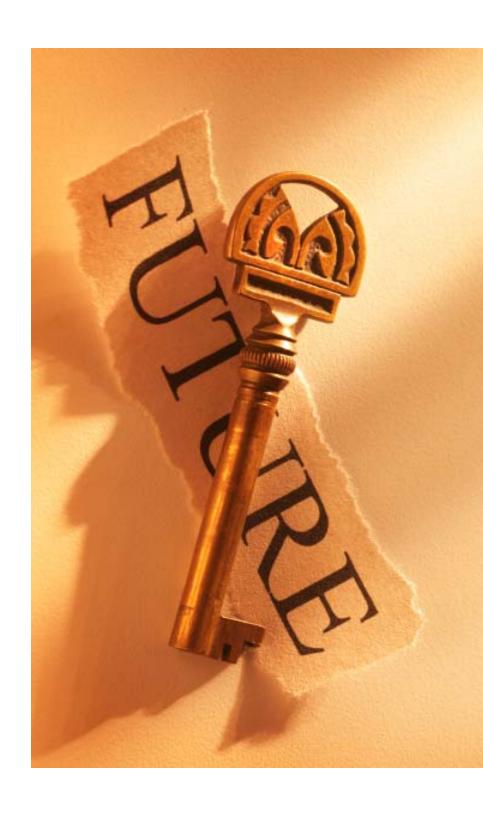


# **Next Generation Experiences:**Transforming Libraries



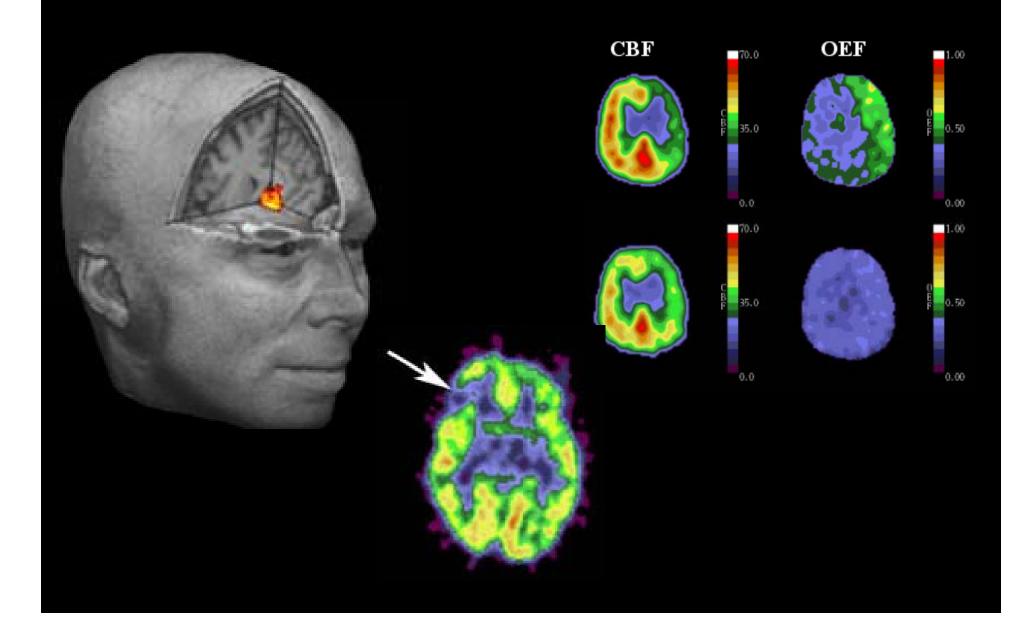


What does
Transformation
Mean?

### Living in a Transformational Age



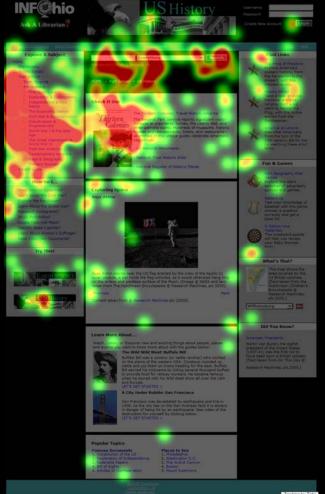
- Agriculture Industry Finance Knowledge …
- Books, Content
- Connections
- Entertainment
- Community
- Kids
- Opportunity
- Everything



#### Millennial Behaviours

Principled / **More Friends** Respect Intelligence More **Diverse** Values Optimistic / Internet **Format Agnostic** More **Choices Natives Positive Balanced Lives** Adaptive / **High Expectations** Civic **Flexible** Minded Collaborative **Nomadic Experiential Gamers** Independent **More Liberal and** Confident Direct more conservative **Multi-taskers** Inclusive **Patriotic Entrepreneurial Healthy Lifestyle Family Graphical Achievement Oriented Oriented** 

Credit: Richard Sweeney, NJIT



Report on the Usability and Effectiveness of SirsiDynix SchoolRooms for K-12 Students

Int Quarter - 2006

Conducted under the ampters of the Kent State University School of Library and Information Science and the Information Architecture/Knowledge Managament Program (IAKM)

De Jason Holmes, Antonio Profesor School of Library and Information Science (SLIS)

Dr. David Bobins, Astiran Profess Information Architectum/Knowledge Management Program (IANM)

Do. Vin Zhang, America Professor School of Library and Information Science (SLIS)

Dr. Athena Salaba, Autoure Preferer School of Library and Information Science (SLIS)

Dr. Greg Byndy, Assetus Profesor School of Library and Information Science (SLIS)

May 22, 2006



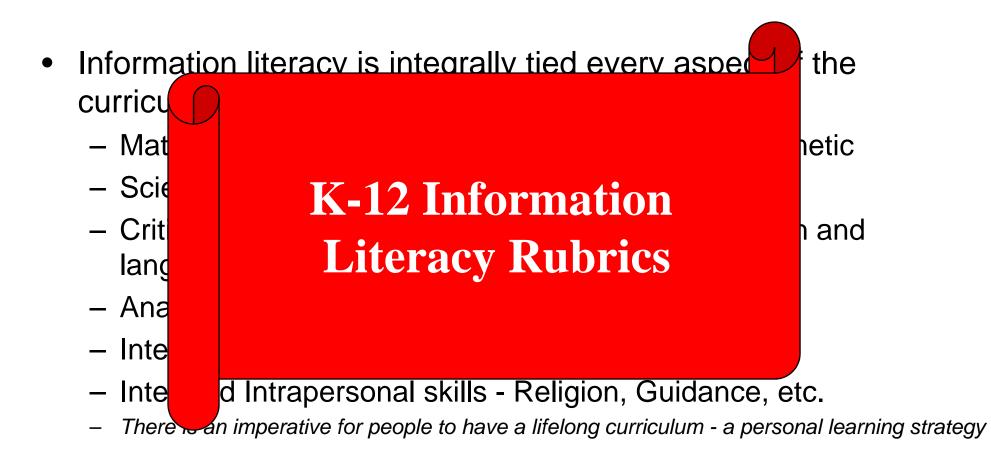
### Learning Styles

- Visual/Spatial (Picture Smart)
- Verbal/Linguistic (Word Smart)
- Musical/Rhythmic (Music Smart)
- Logical/Mathematical (Number Smart)
- Bodily/Kinesthetic (Body Smart)
- Interpersonal (People Smart)
- Intrapersonal (Self Smart)
- Piaget, Bloom, Gardner, etc.

## Information Literacy

- Standard Curriculum Components
  - Mathematics / Arithmetic
  - Science, Biology, Physics & Chemistry
  - English, Languages
  - History, Geography, Politics, Sociology
  - Music, Art, Phys ed.
  - Guidance, Religion

## Information Literacy







#### A NEW LEARNING PORTAL FOR THE K-12 COMMUNITY

#### iscover More...

What is SchoolRooms

What's in SchoolRooms

Who Uses SchoolRooms

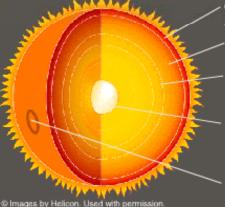
Why Students Like SchoolRooms

How Does SchoolRooms

Ohio Boston + **Philadelphia Delaware California South Carolina** etc.



#### Earth Science Room: The Amazing Sun



corona - the sun's atmosphere chromosphere

photosphere - the lightproducing layer

core – where the nuclear fusion of helium and hydrogen takes place

sunspot – dark patch that makes cooler gases

#### Explore a new learning portal for the K12 community



SchoolRooms™ by SirsiDynix is a new online portal that encourages K-12 students to

explore, discover, and learn anywhere, anytime

Designed to meet students' needs and to be a tool for parents who play an integral role in helping their children continue learning outside the classroom.

Using SchoolRooms, students can search (all at oncel):



#### Best of Web™

Results from highquality, certified Web sites hand-picked by teachers and

librarians. Search databases at the same time and find related articles, Learn more about BOW. Explore More...

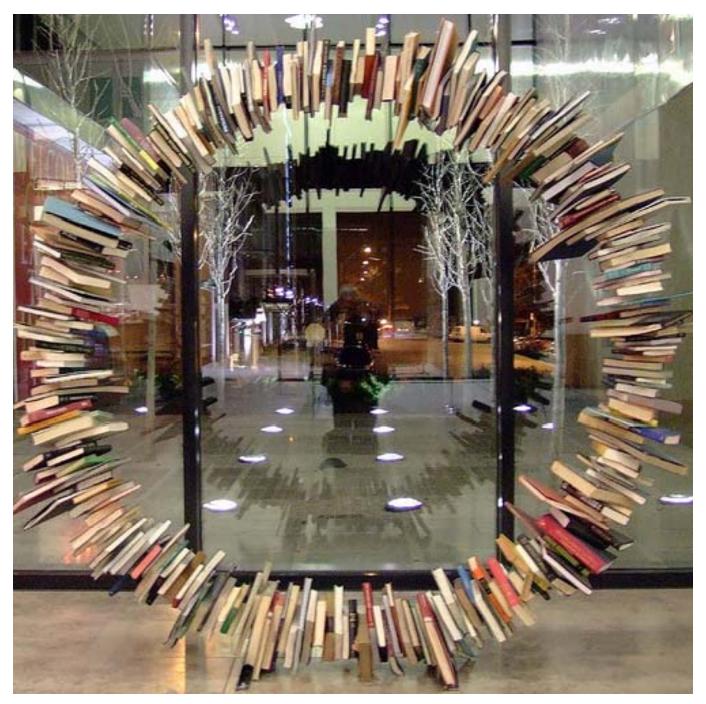


#### News & Events

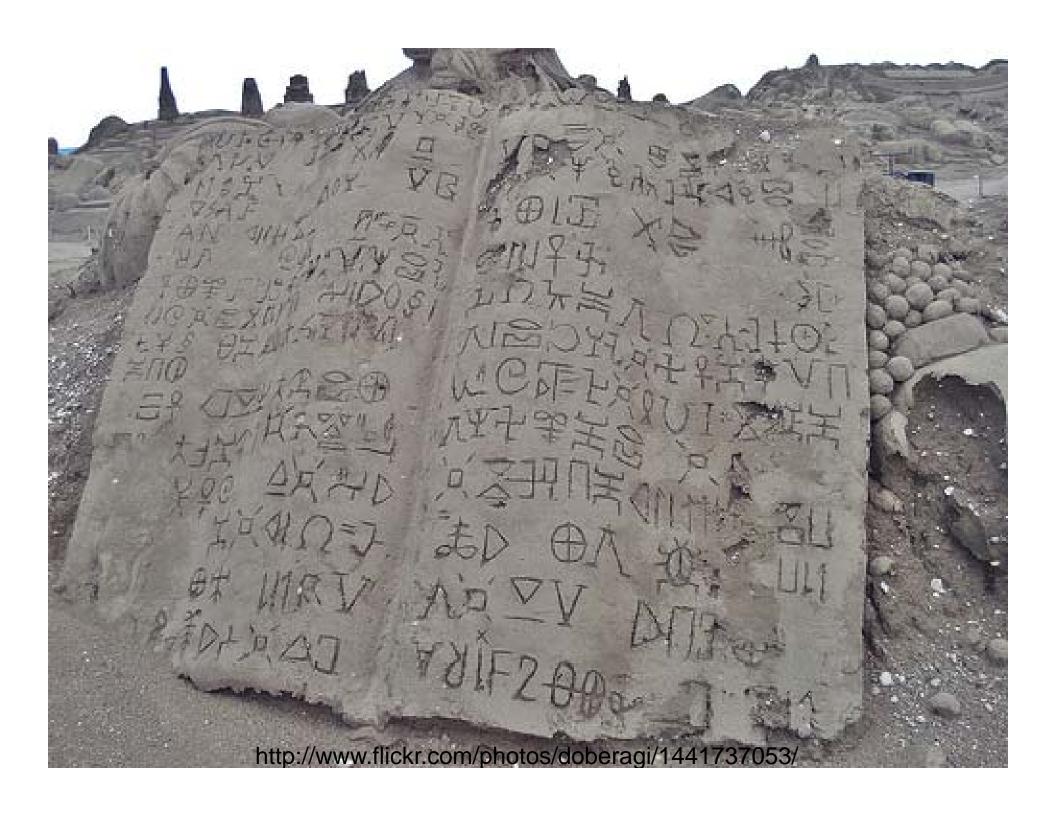
Catch up on the news

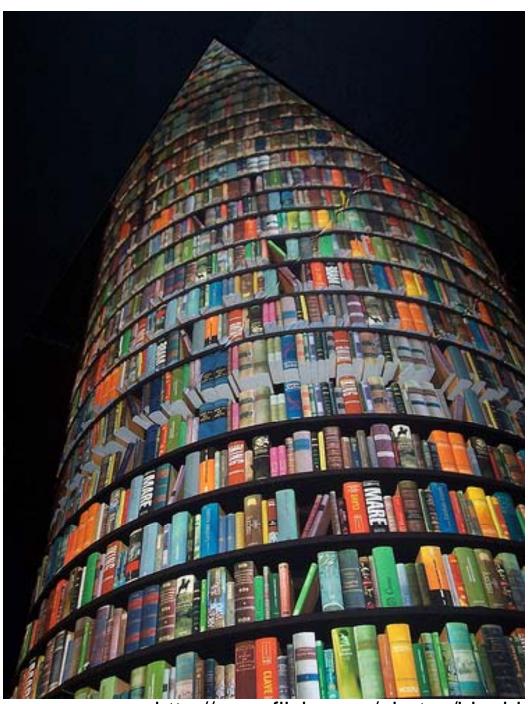
about SchoolRooms, Check out the next place you can see SchoolRooms in action and find out more about how SchoolRooms can provide your students with an unparalleled learning experience. Discover More...

Case Study: **Boston Public Library** Discover how **Boston** 



http://www.flickr.com/photos/24939552@N04/2364737096/

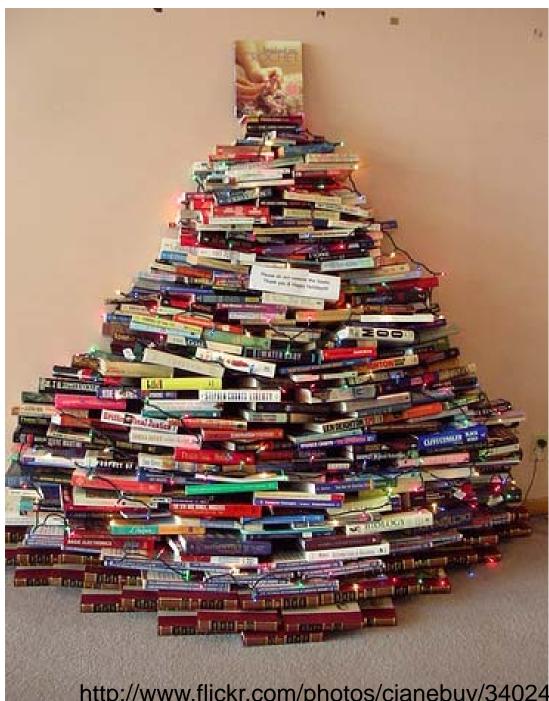




http://www.flickr.com/photos/blu\_blue/262096844/in/pool-booksandportraits



http://www.flickr.com/photos/matthk/2054262239/

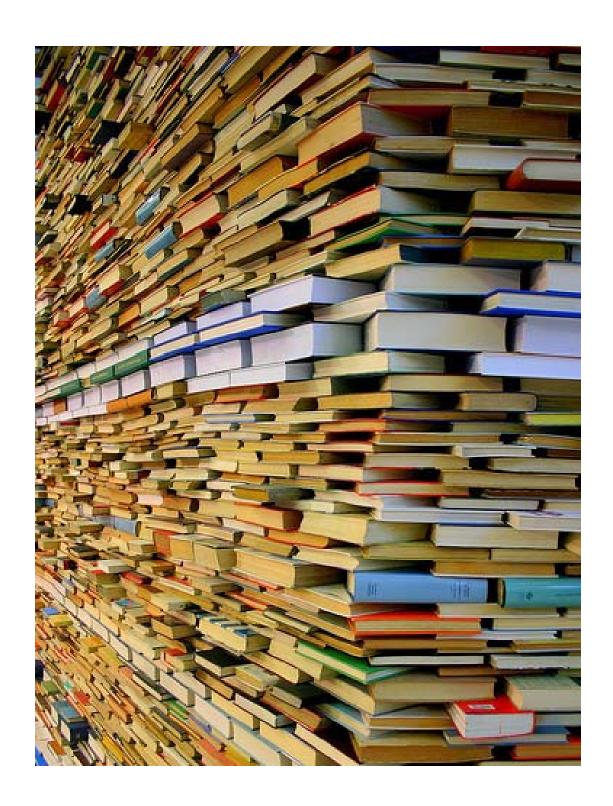


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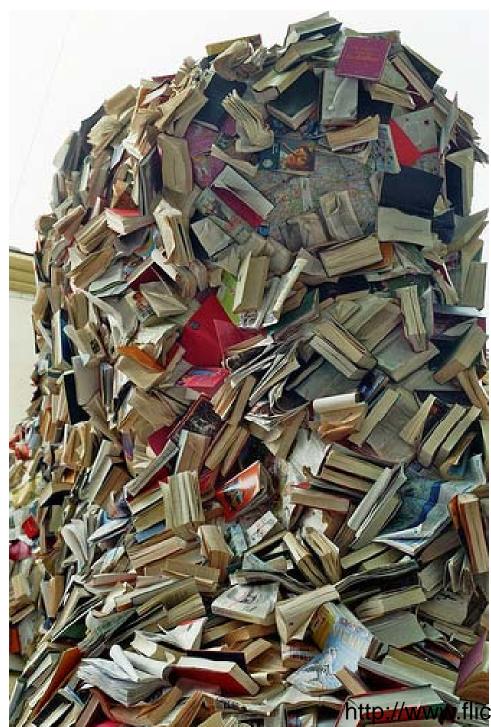


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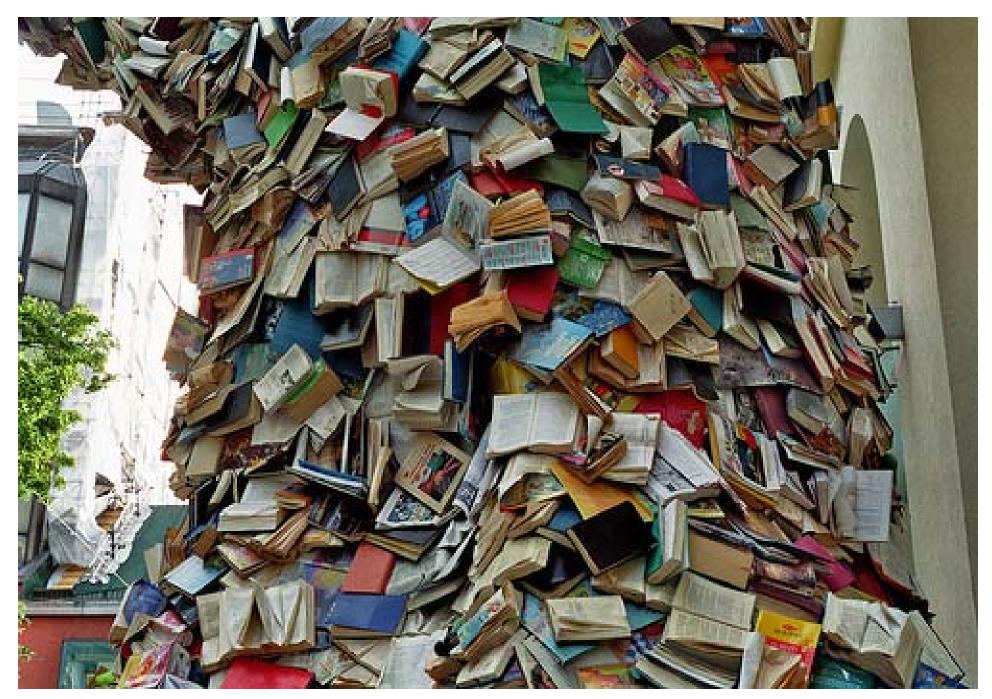




www.flickr.com/photos/lori\_an/319433802/in/photostream/



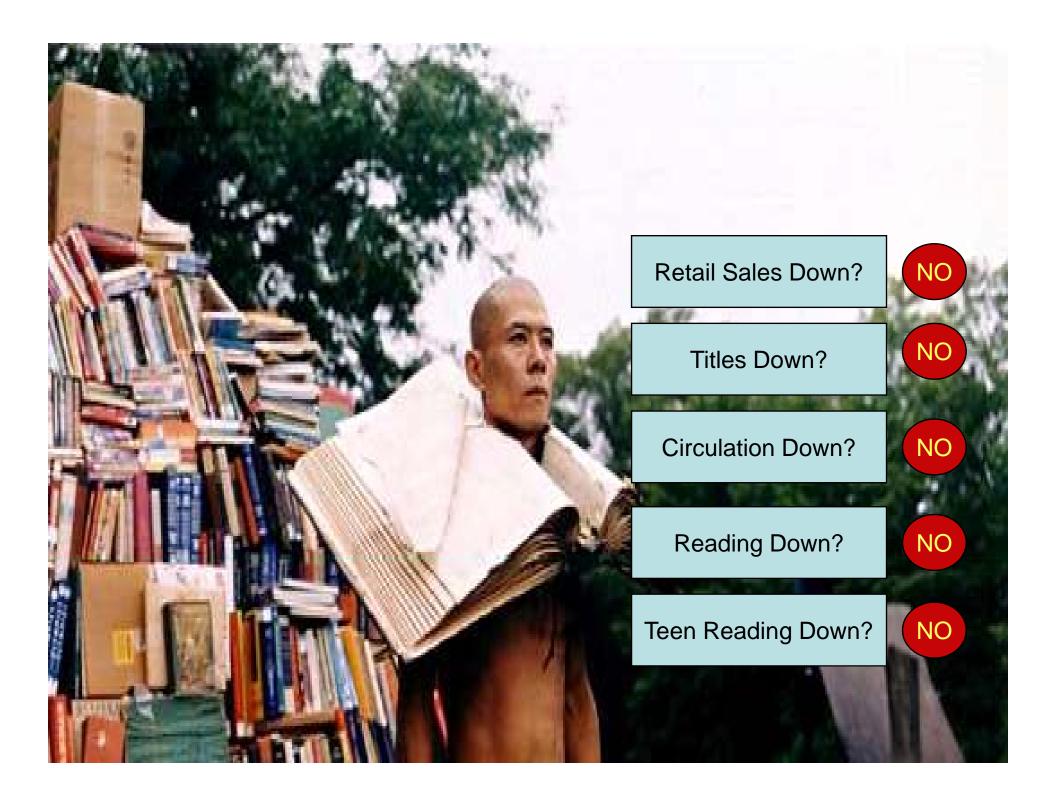
//www.flickr.com/photos/library\_mistress/525385533/



http://www.flickr.com/photos/library\_mistress/525385511/



http://www.flickr.com/photos/keeping-it-real/160822516/



#### What do Libraries do?

- K-12 schools
- Hospitals
- Government
- Public Libraries
- Academia
- Colleges

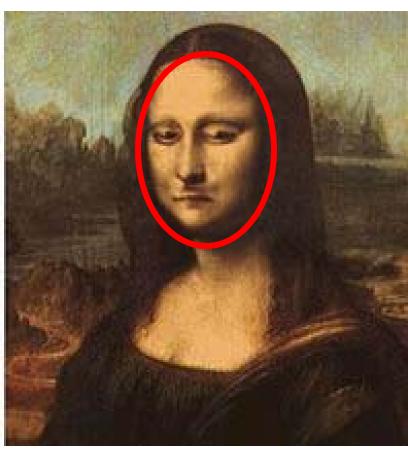
#### The Pattern Effect





# Optical Illusions







# Nano, Light, BioTech, Genome, Web 2.0







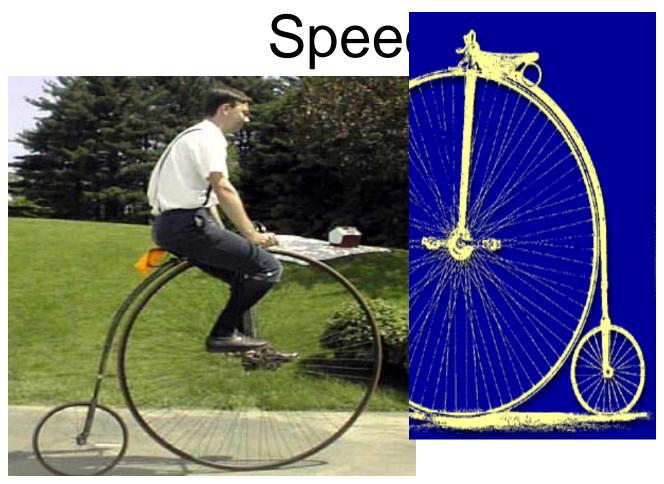


# 2000 Light Stopped

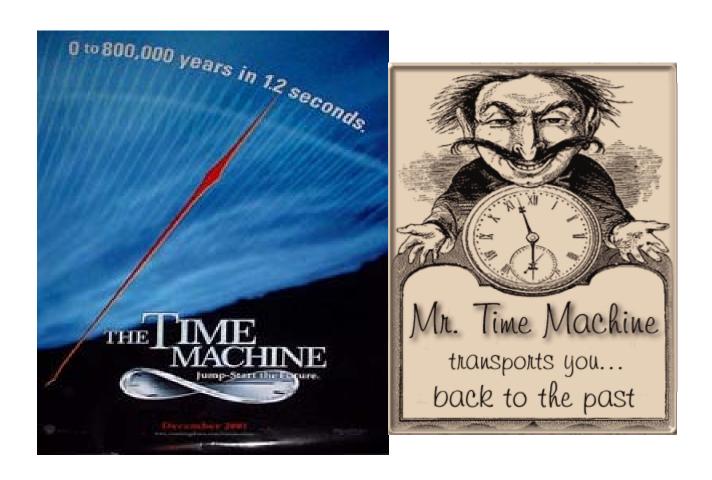




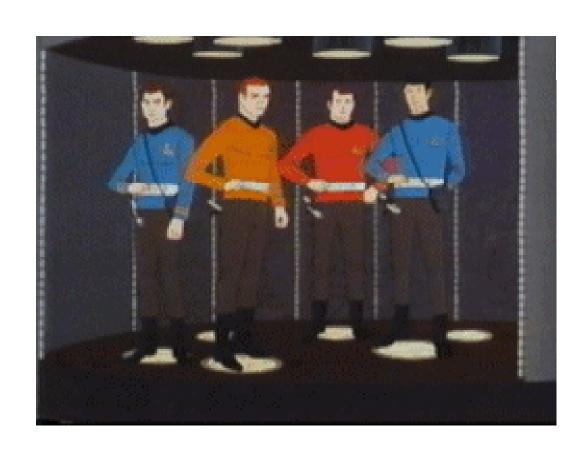
## 2001 Light Slowed to Bicycle



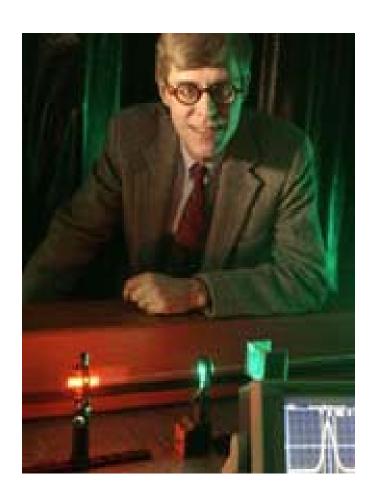
### 2002 Light Sent into Future



# 2003 Light Transported (in Australia!)



#### 2006 Light Goes Backwards



Boyd's team collected data showing light traveling 'backwards,' seemingly faster than light speed.

Image credit: Univ. of Rochester

Romulan cloaking Devices at Duke U.

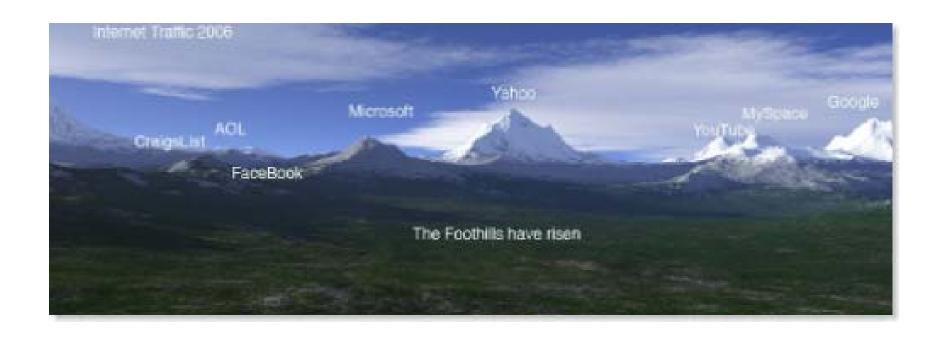


# What Does It All Mean?

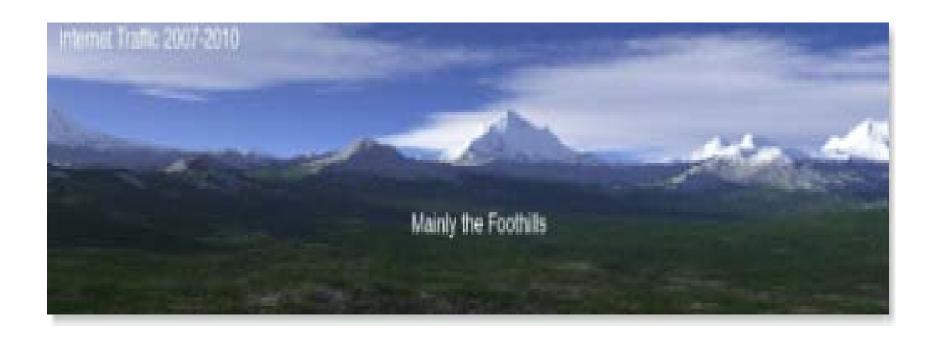
# We're looking too close



# The Landscape Today



## The Emerging Landscape

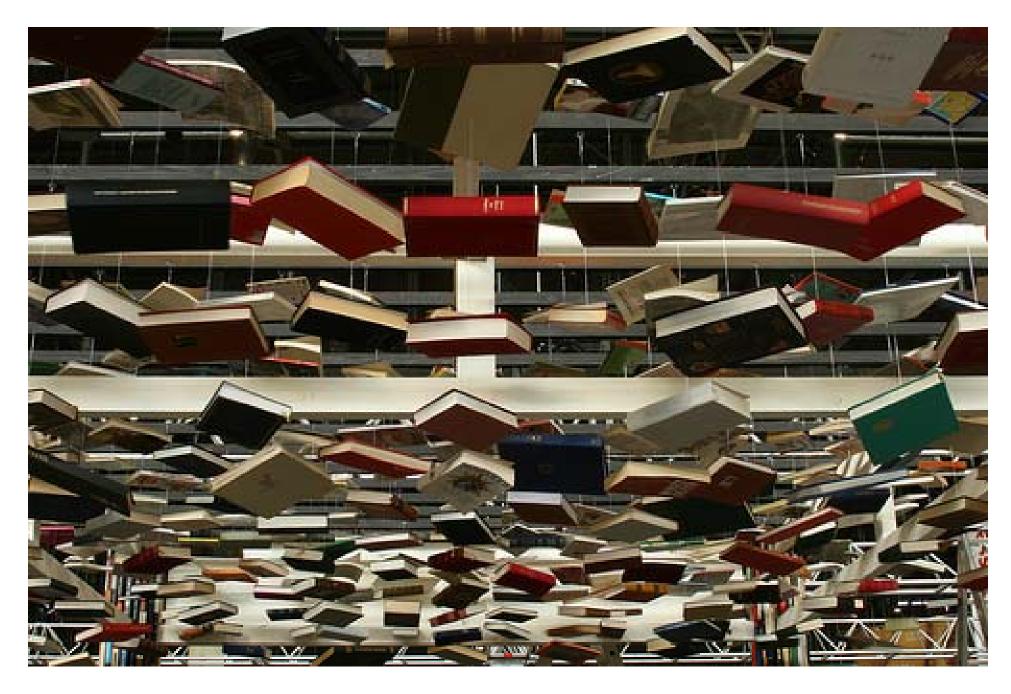




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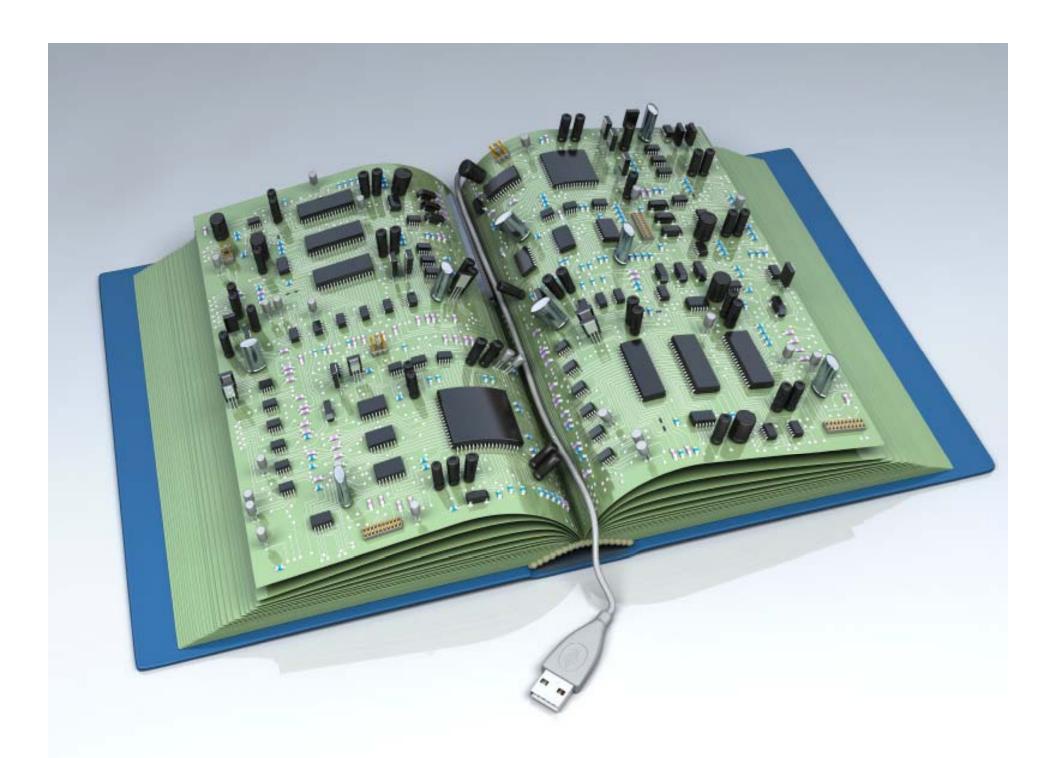


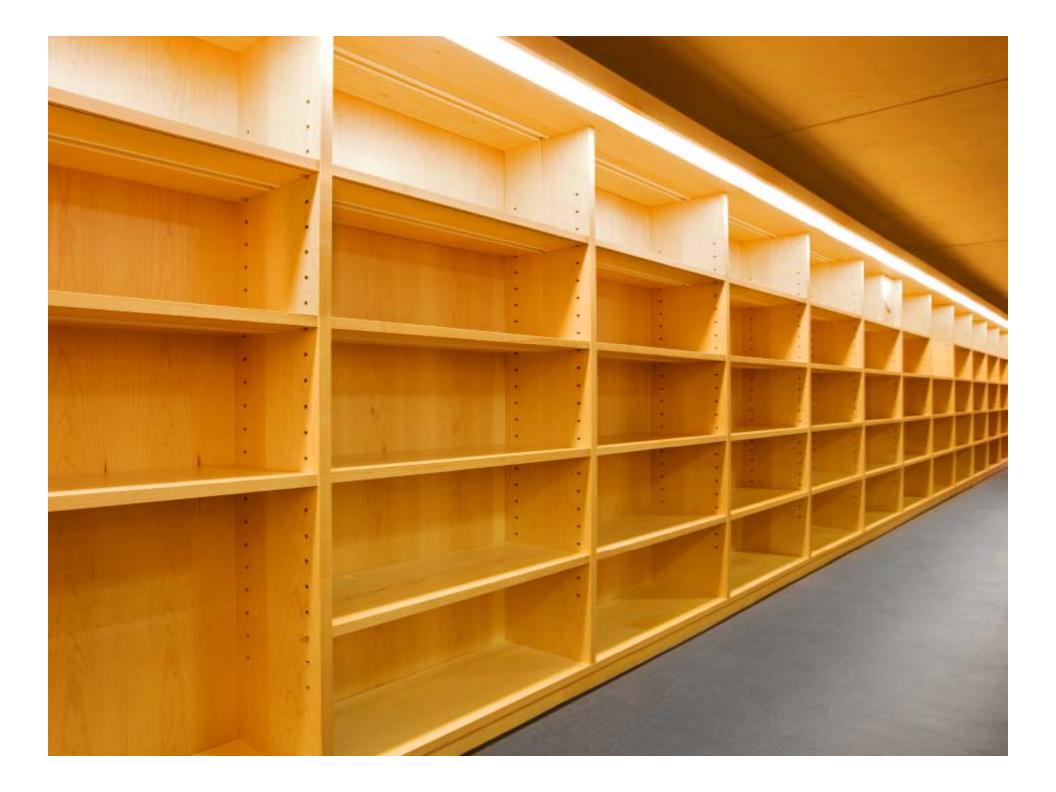
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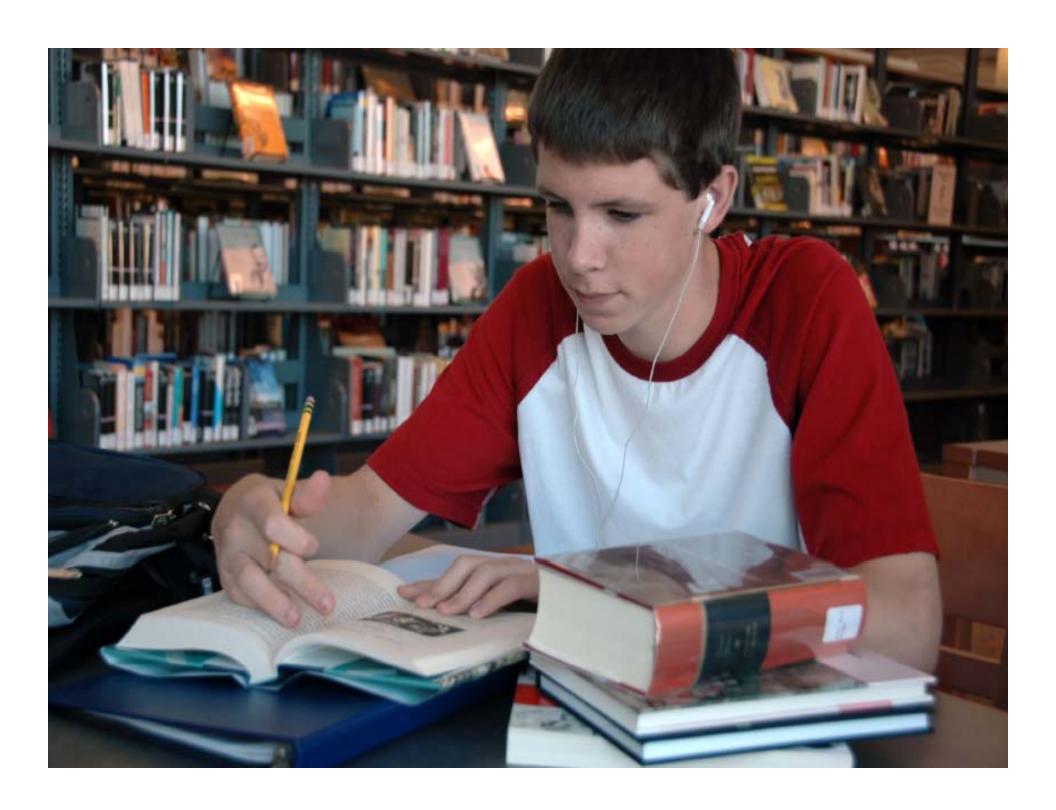


http://www.flickr.com/photos/timtom/2473955087/



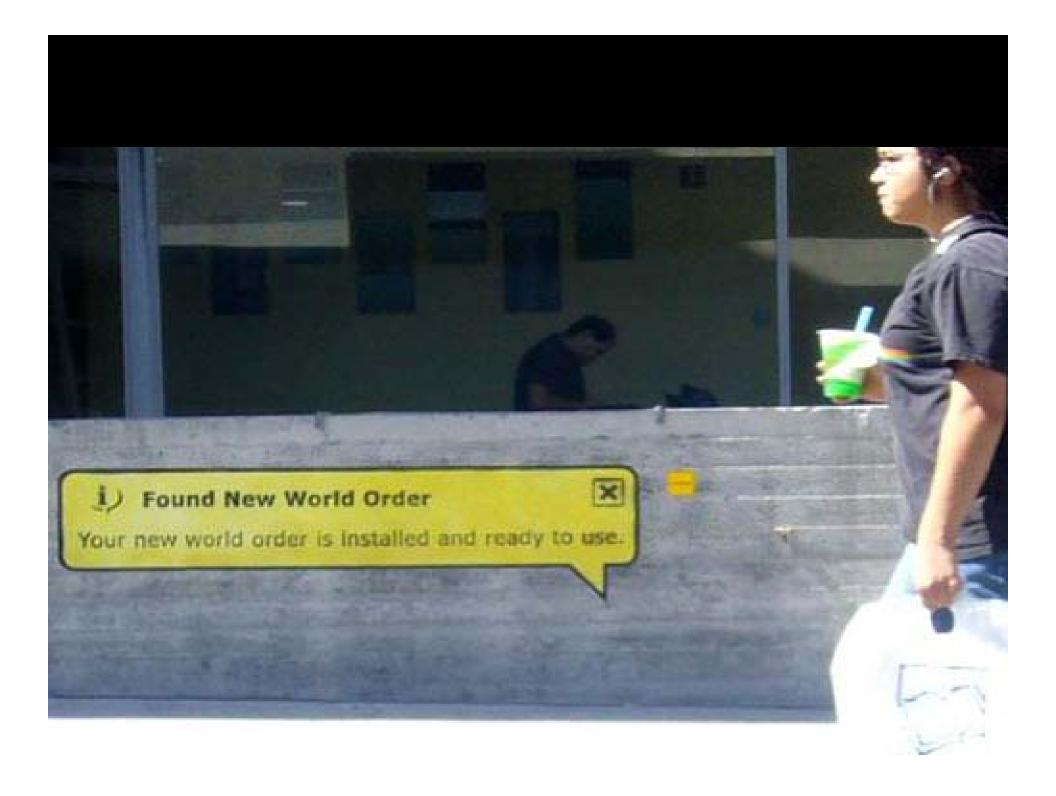


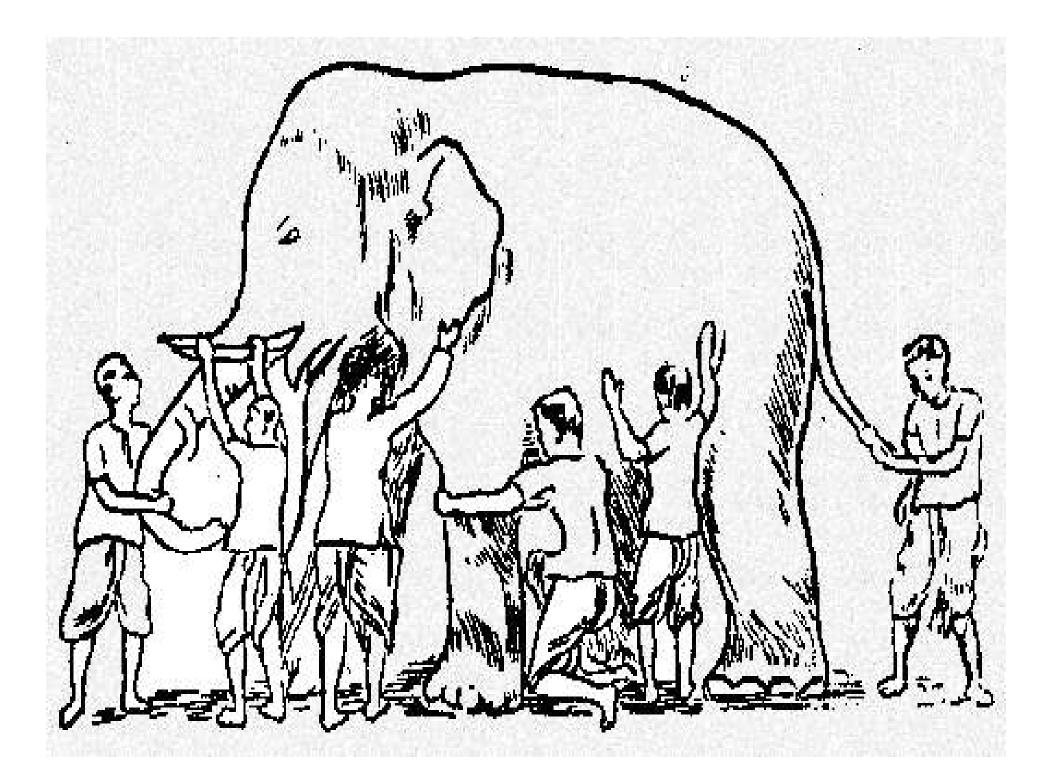




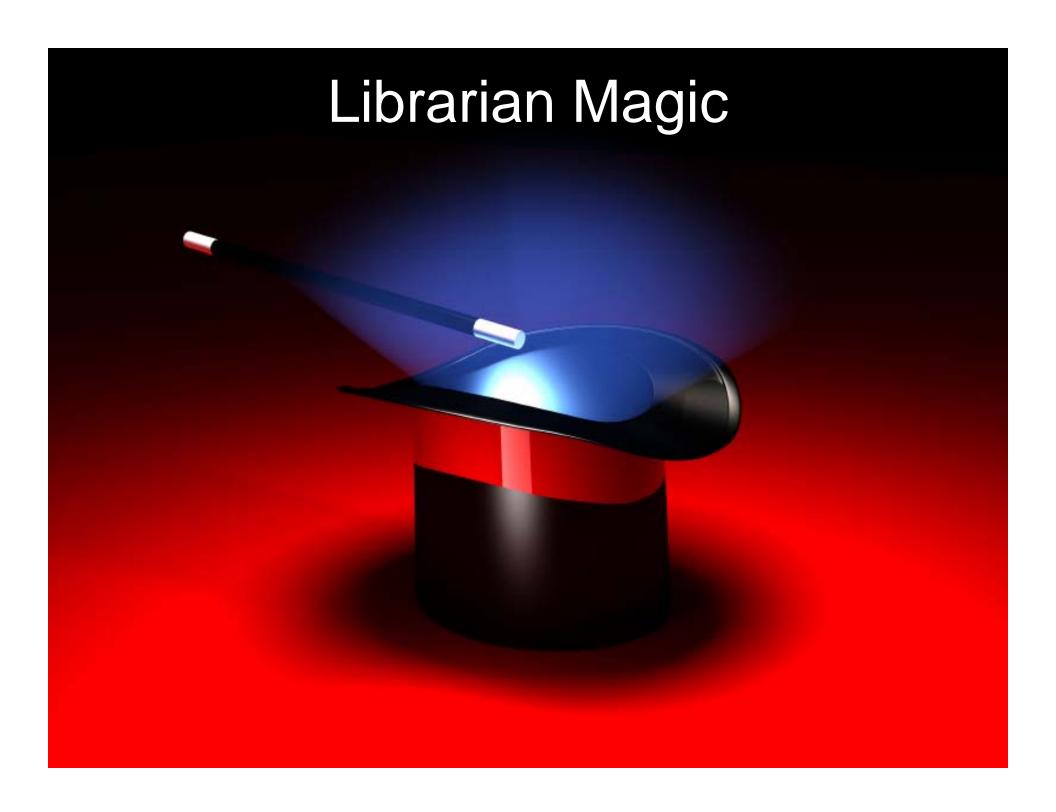














#### Next Generation Experiences: Transforming Libraries



- When something needs change...
- Do it.
- Take responsibility

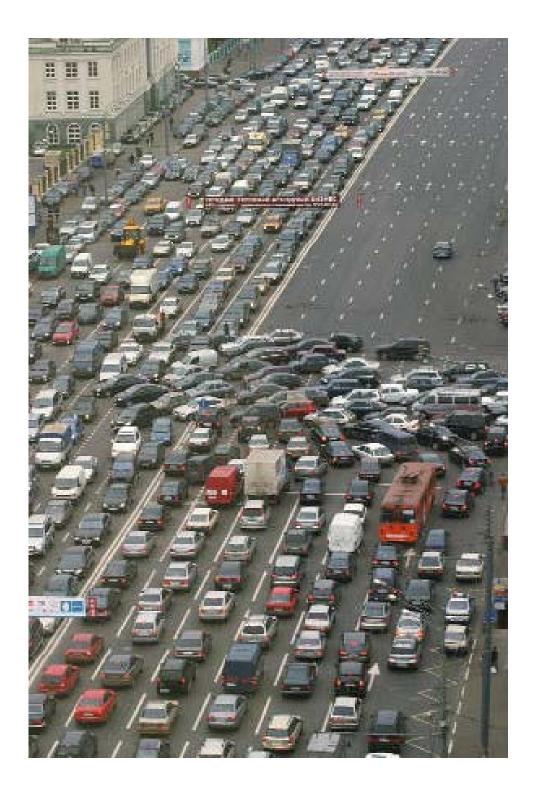


#### What Commitment Does It Take?

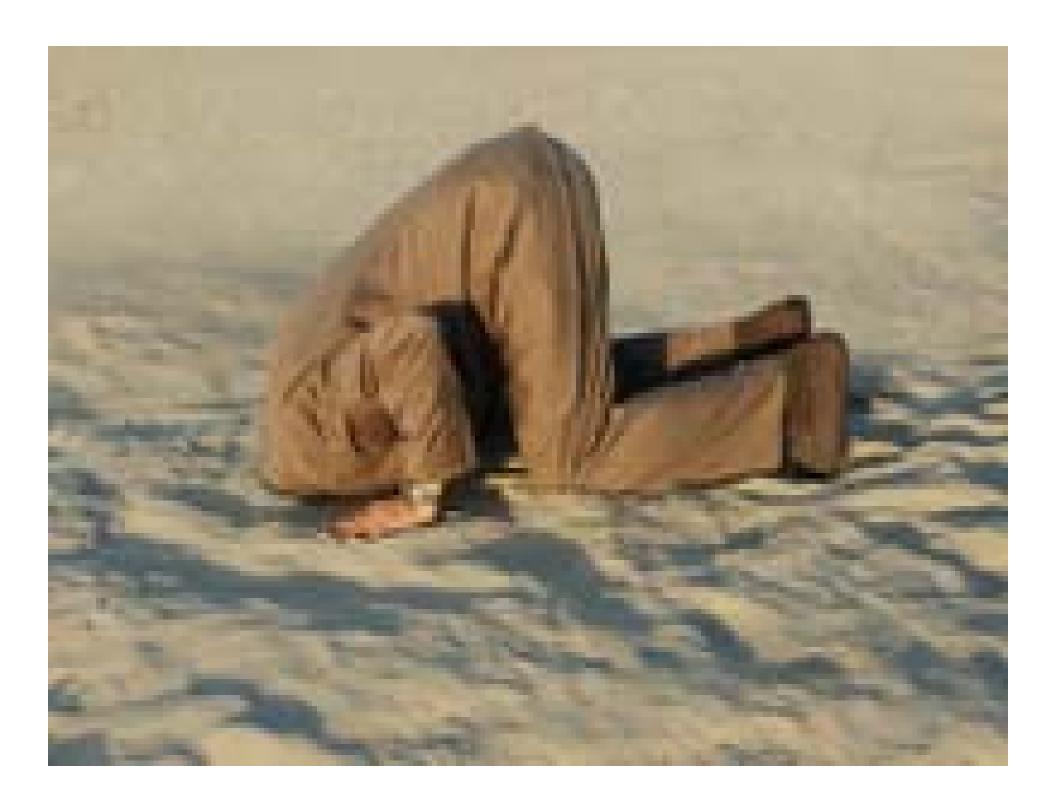


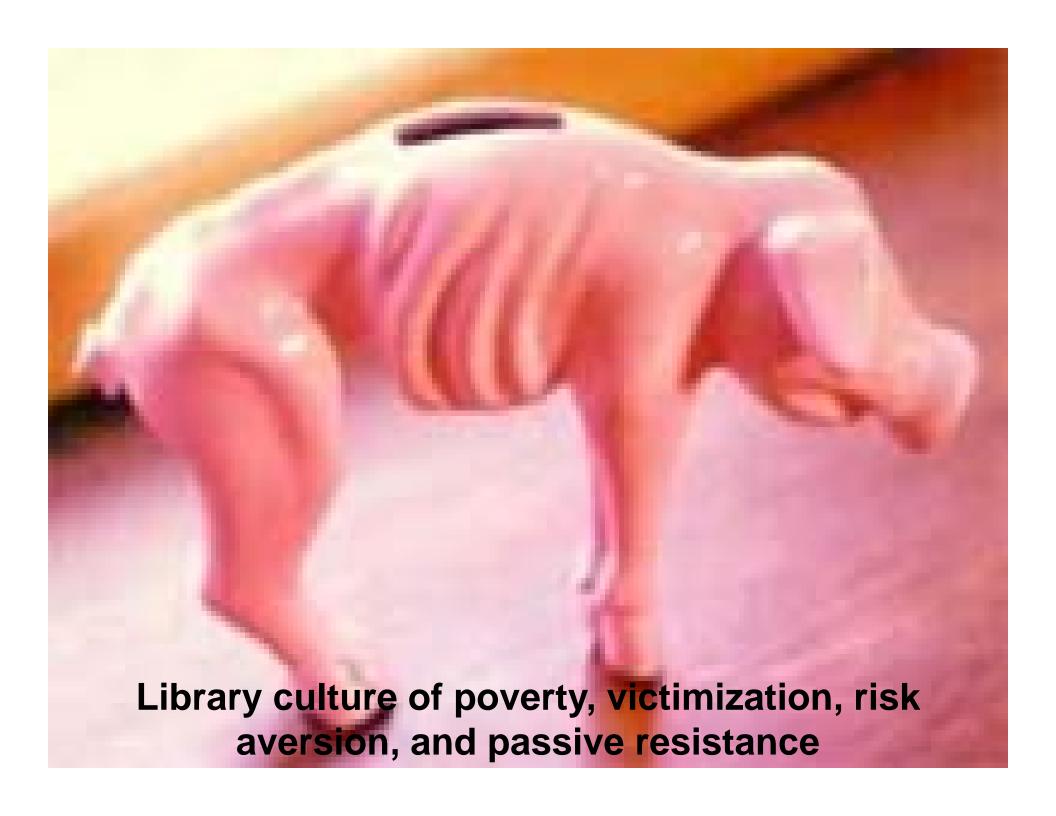


The WERLD GOING TO WITH OR SE  You can't wait for everyone to change at once.











# Turning Excuses in Reasons

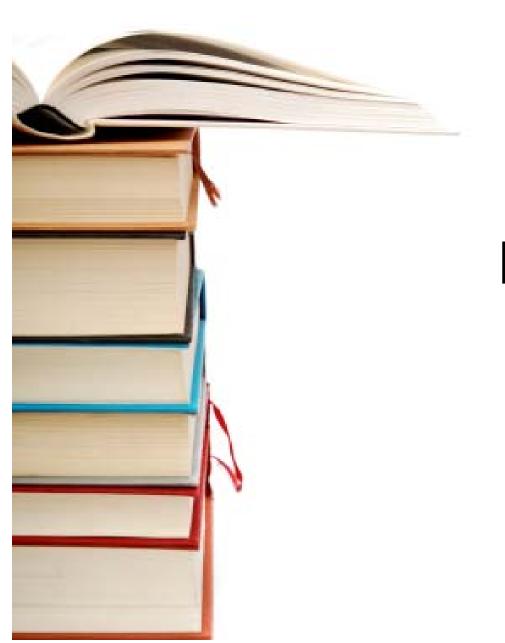
And Reasons into Plans

# 50 Reasons Not To Change









# Being More Open to Comment

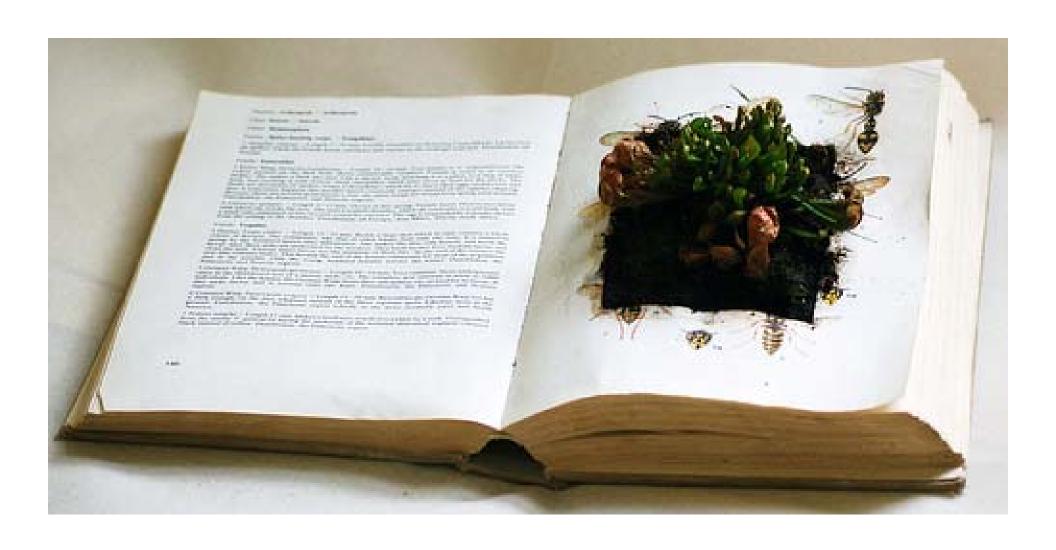
Amazon Chapters/Indigo Barnes & Noble BN BookBrowser Borders **Suggestica** Inside a Dog (teens) MySpace Books **Books We Like** OCLC's FictionFinder **All Consuming LibraryThing Next Favorite StoryCode** Rating Zone **Hypatia and AlexLit** WhichBook.net AllReaders.com Reader's Robot anooks





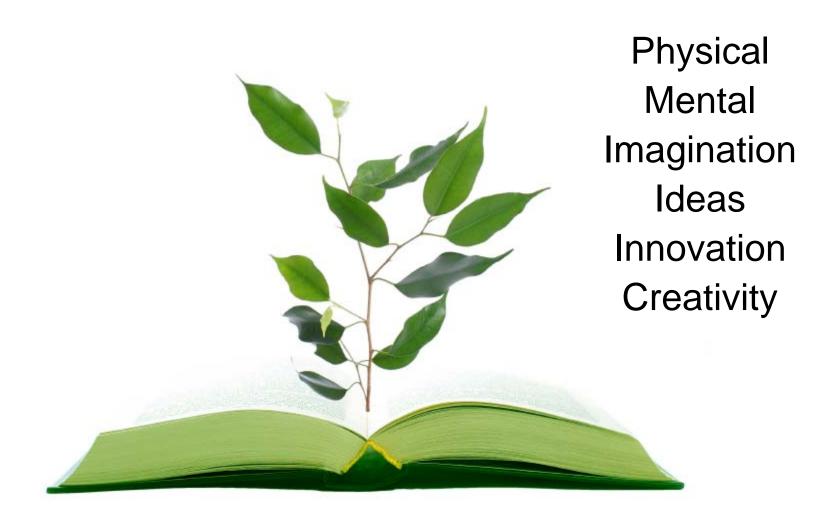


MySpace Books



http://www.flickr.com/search/?q=book+sculpture&page=44

# Being Open to Borderless Thinking





Can We Invent the Future?

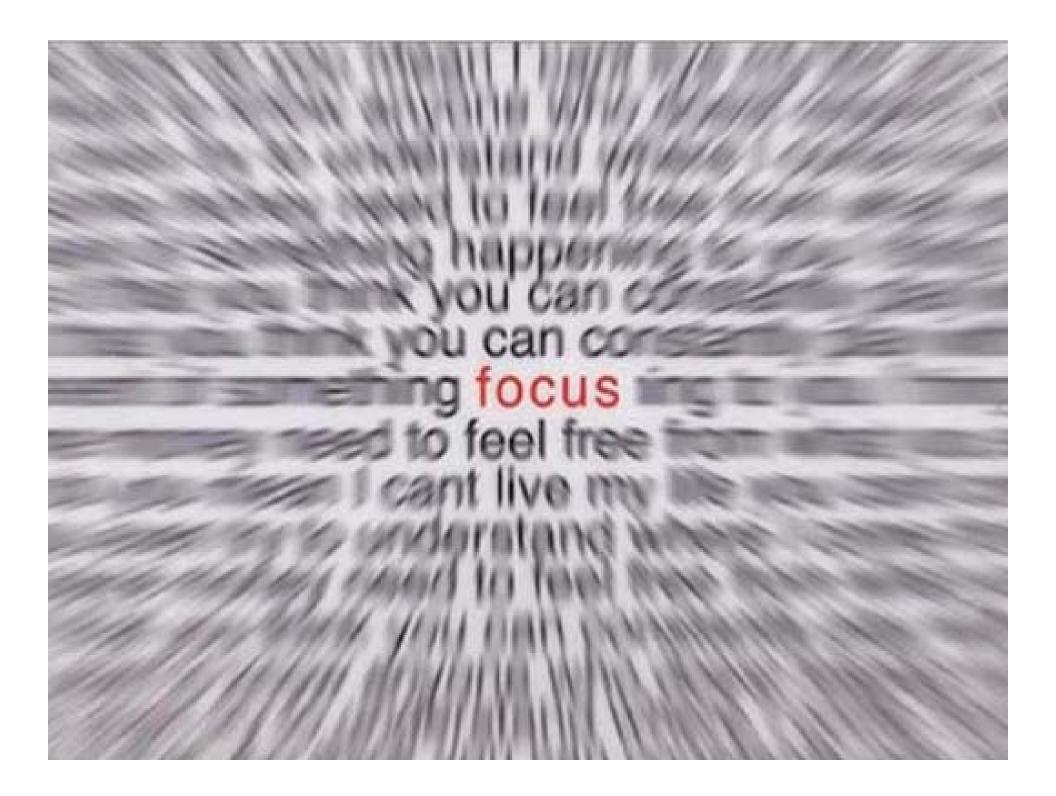


Being More Open to Criticism and Feedback

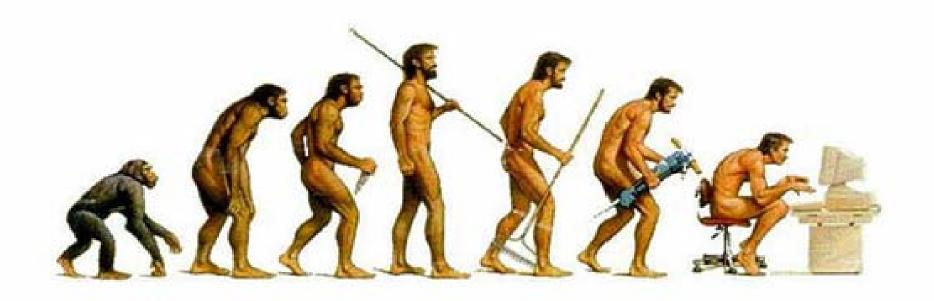


## Being More Open to Change





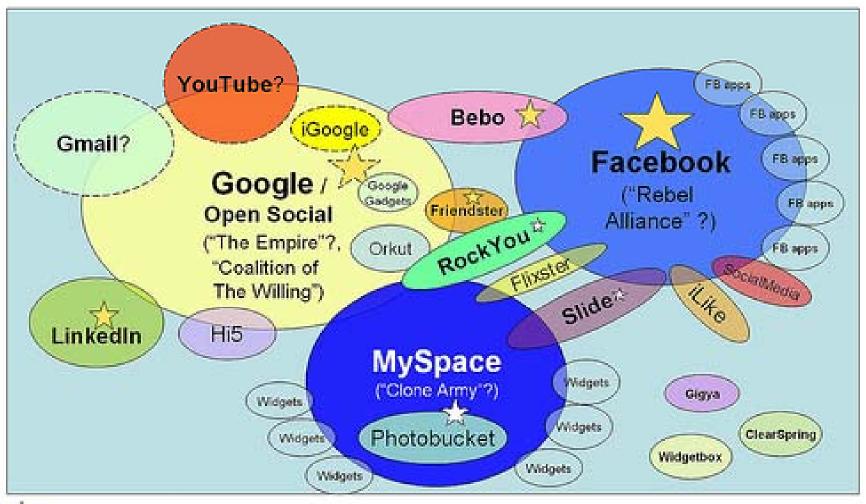








#### Social Graph Platform Wars





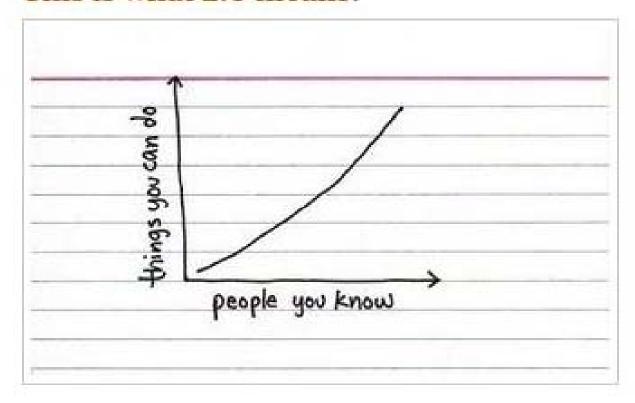
= announced Platform / API



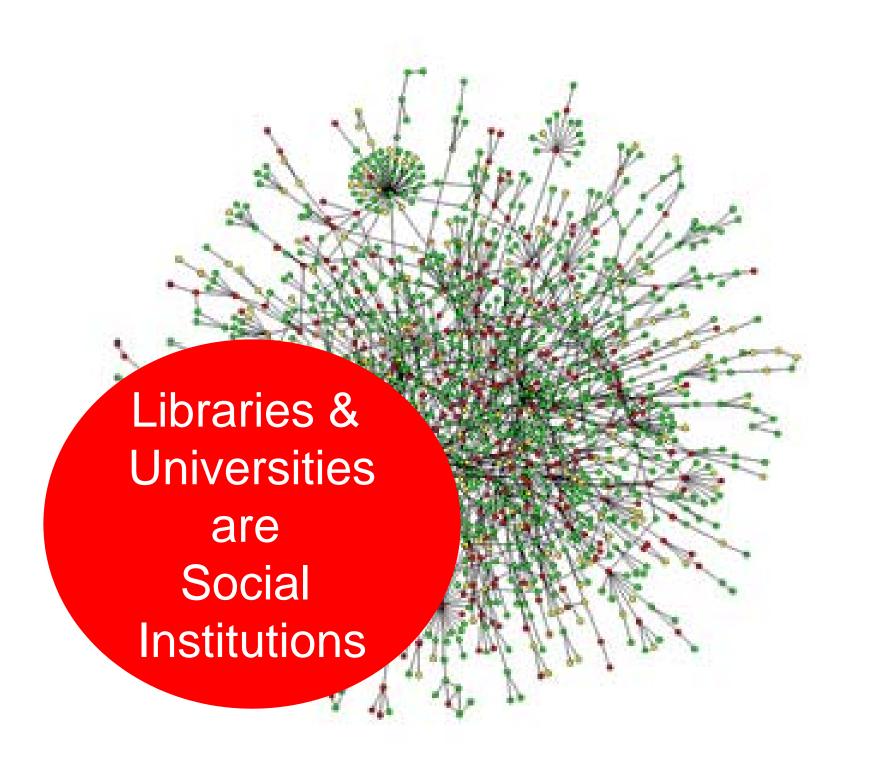
= unannounced Platform / API

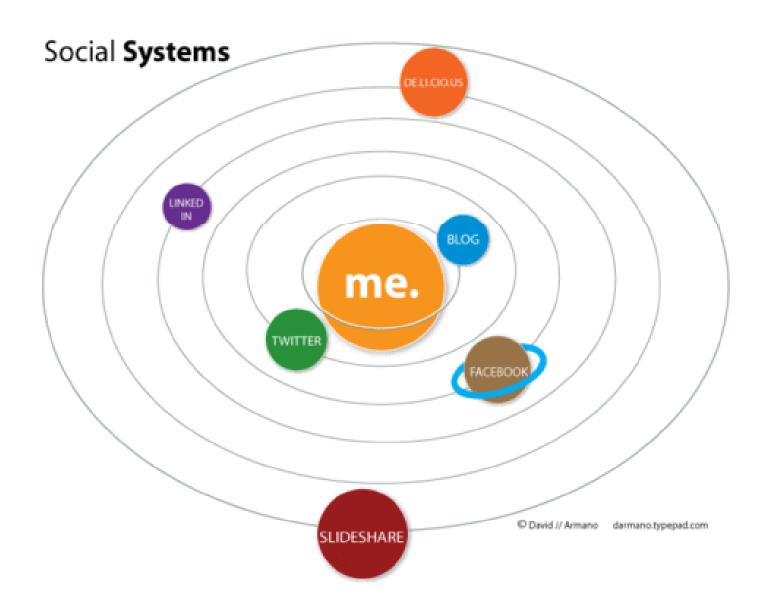
THURSDAY, AUGUST 14, 2008

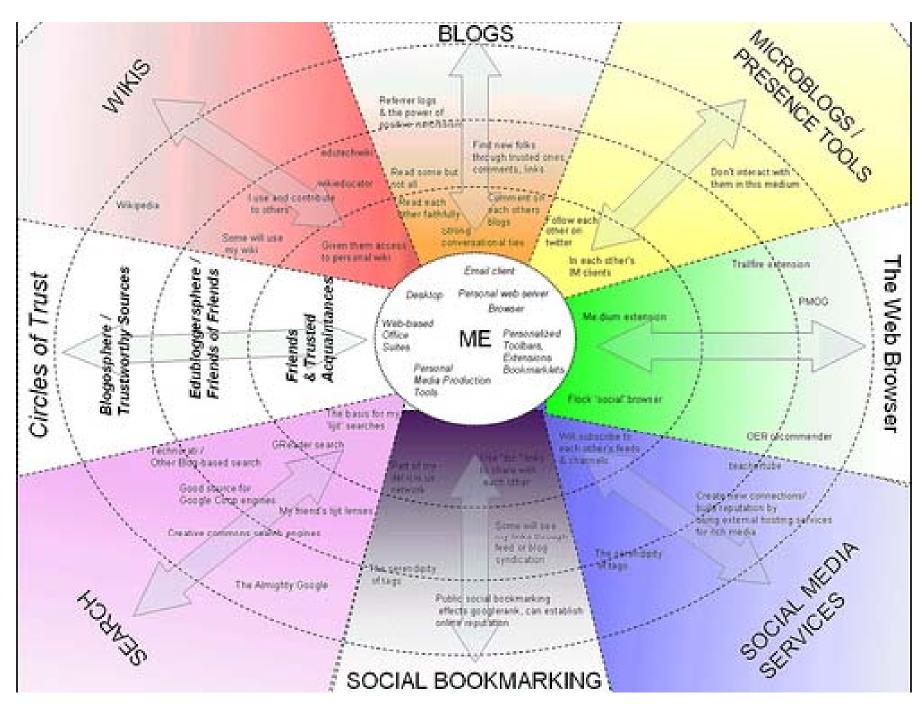
#### This is what 2.0 means.



# Being More Open to Social Networks, Content, Access and ...more







http://www.flickr.com/photos/nessman/2590572476/



http://www.flickr.com/photos/briansolis/2735401175/

#### What's Normal Now?

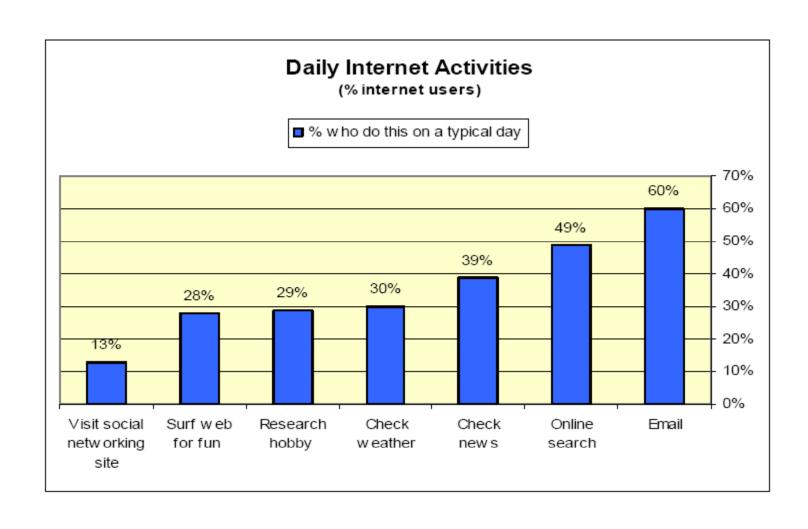
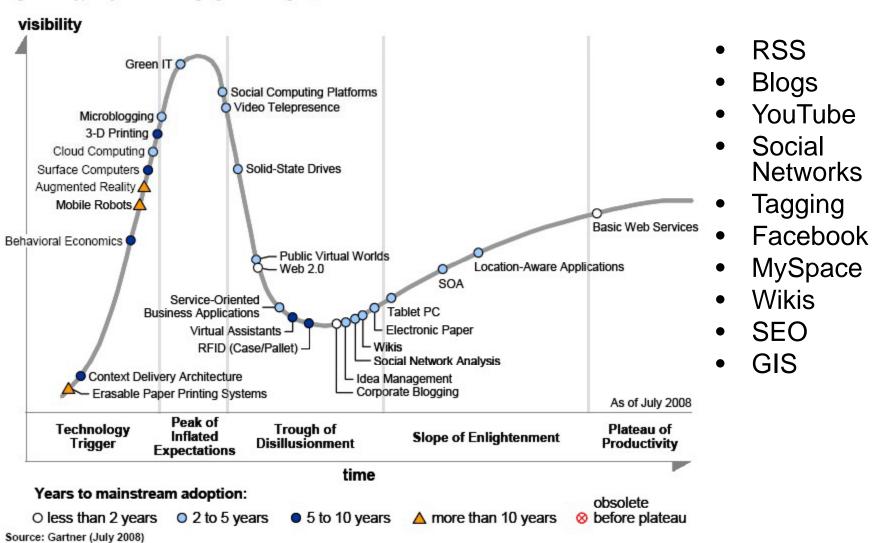
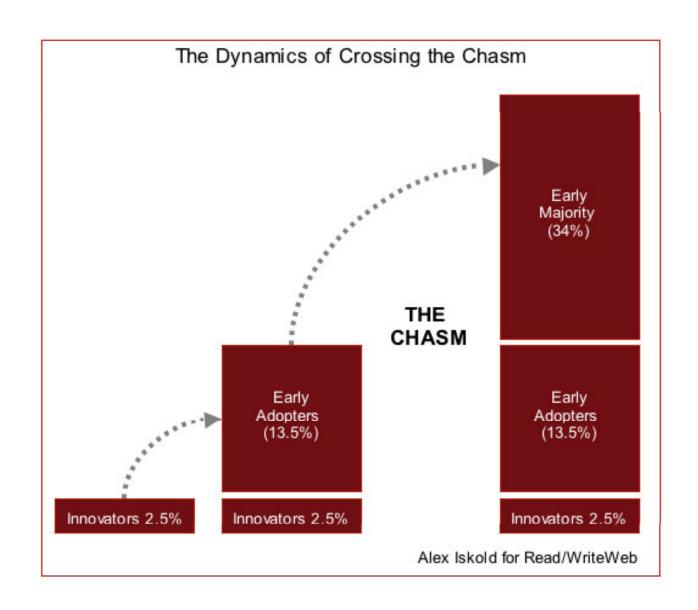
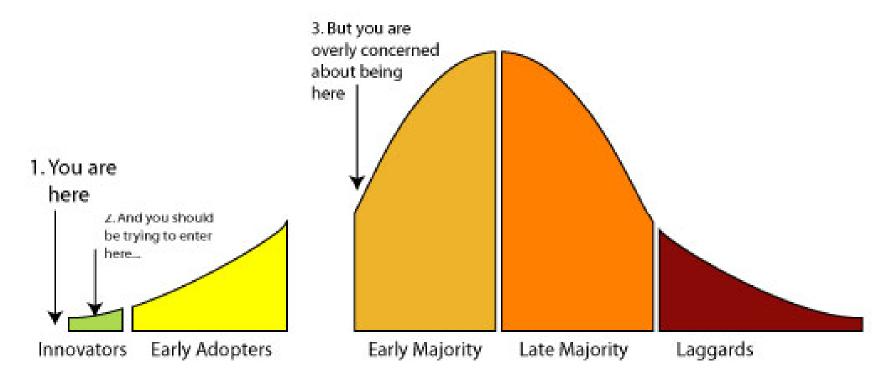


Figure 1. Hype Cycle for Emerging Technologies, 2008





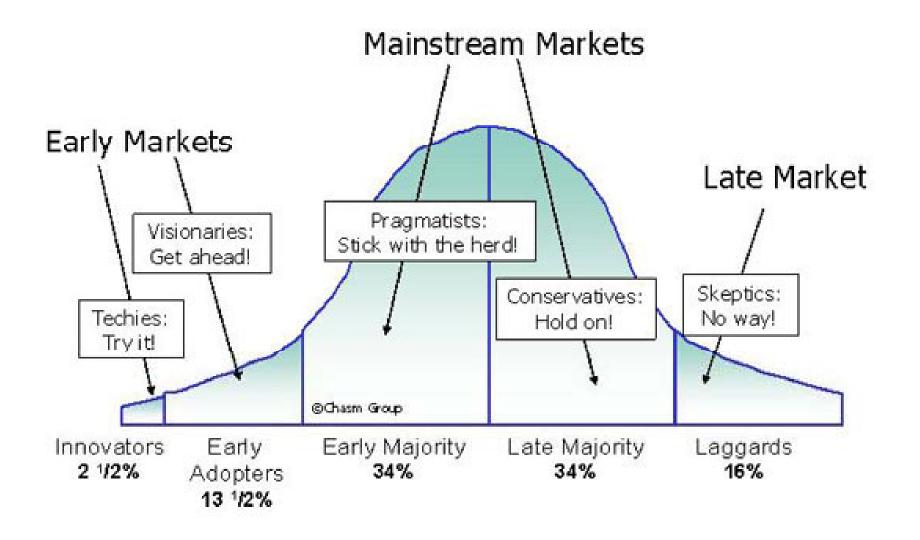
#### Miss Rogue's Currently Frustrating Chasm Dialogue



4. So, instead, you get nowhere.

#### Technology Adoption Life Cycle

Groups are distinguished from each other based on their characteristic response to discontinuous innovations created by new technology



# The new Web 2.0 era distribution models remain largely untapped

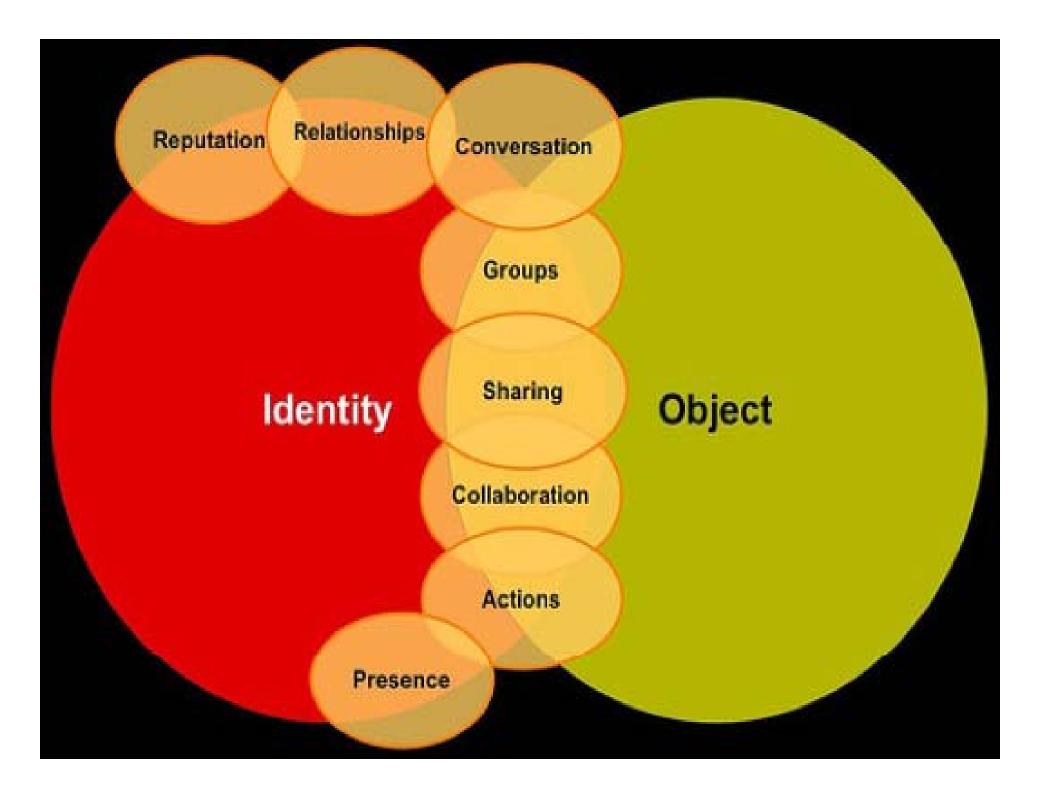
Number of Practitioners Semantic Web/Web 3.0 Social Network Apps

> Potential Reach Power and Network Effect

(Lowest Cost Per Customer/Partner)

\* = estimated





#### Be Where Your Users Are









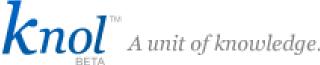
















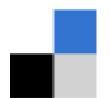
## Get Good at The Cloud





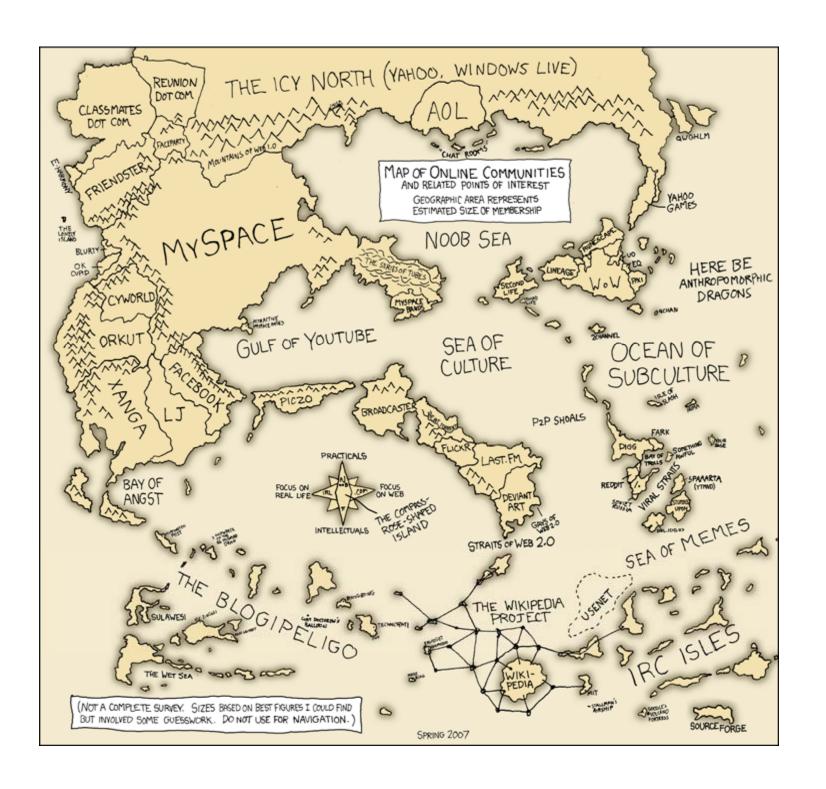
zotero

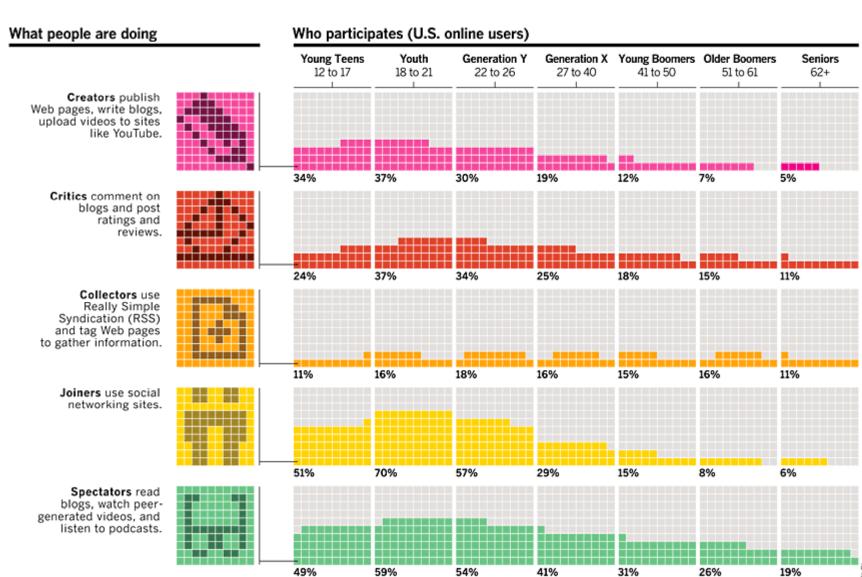


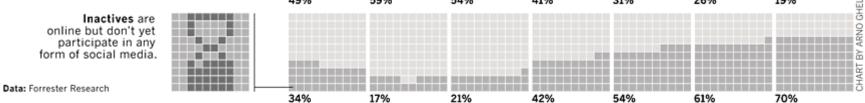


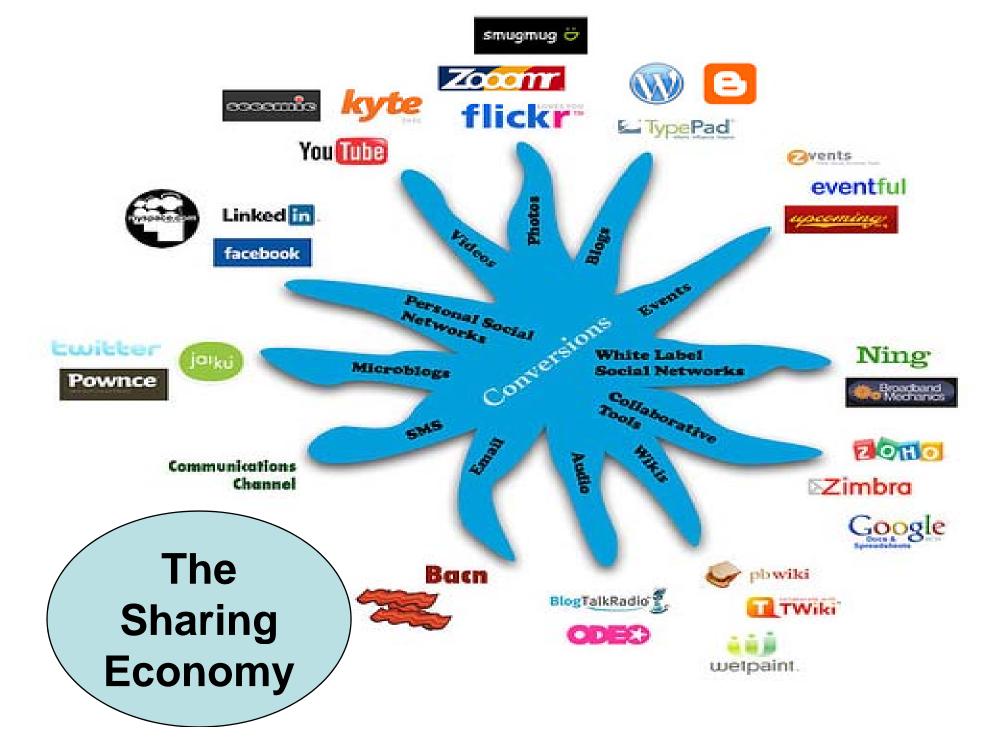
delicious



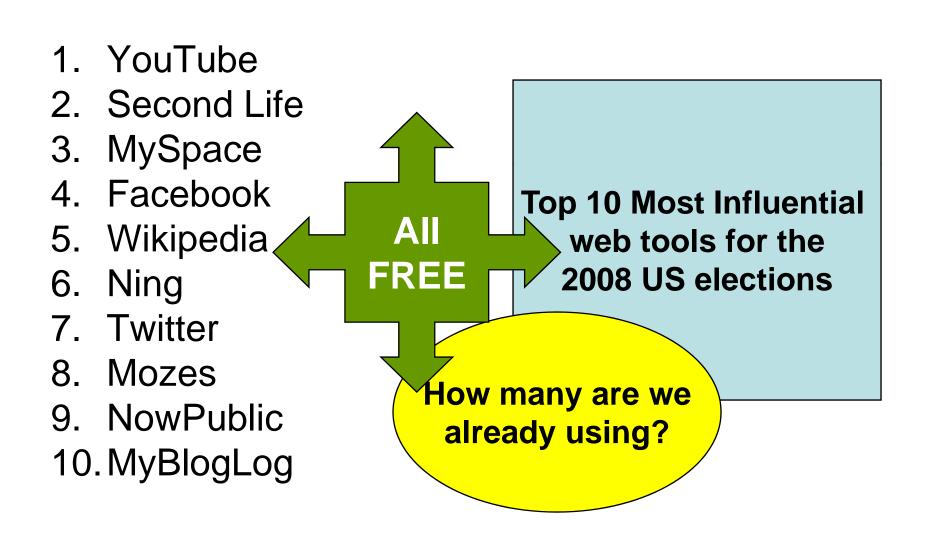




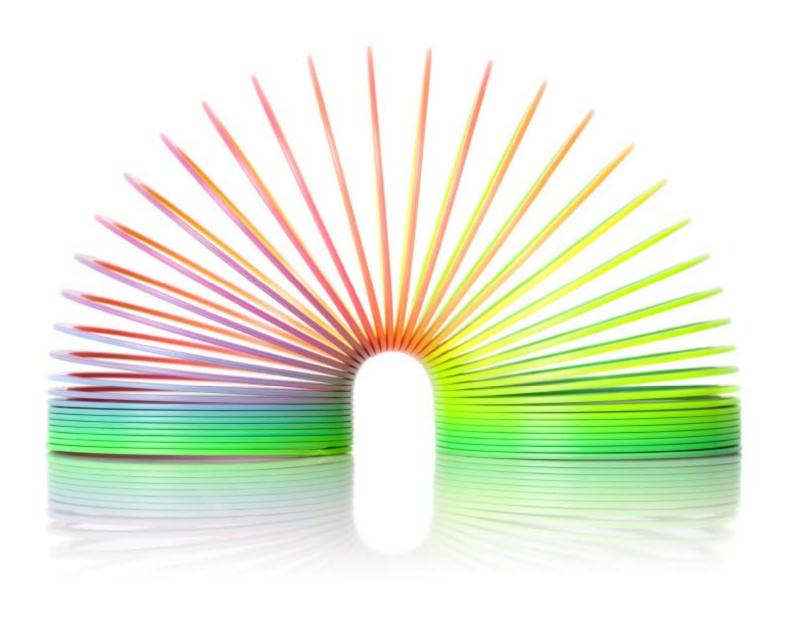




#### 2.0 Influencers



## Being More Flexible



## Being More Open to Risk



## Being Open to Ambiguity





I've got my tinfoil hat on



Be More Open to **Technology** and Unintended Consequences



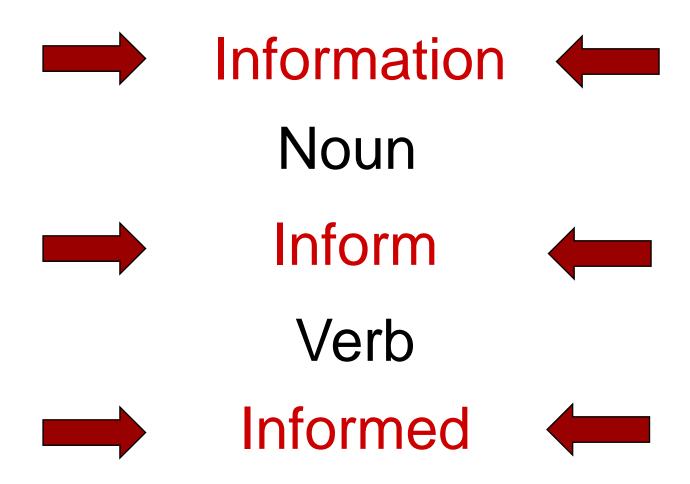
## Google

### facebook.

Your
Personal
Five
Year
Plan?

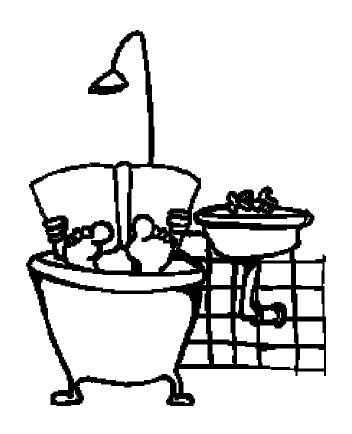






Results and Impact

## Will Reading Matter?







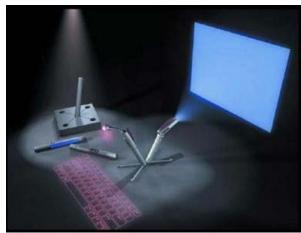


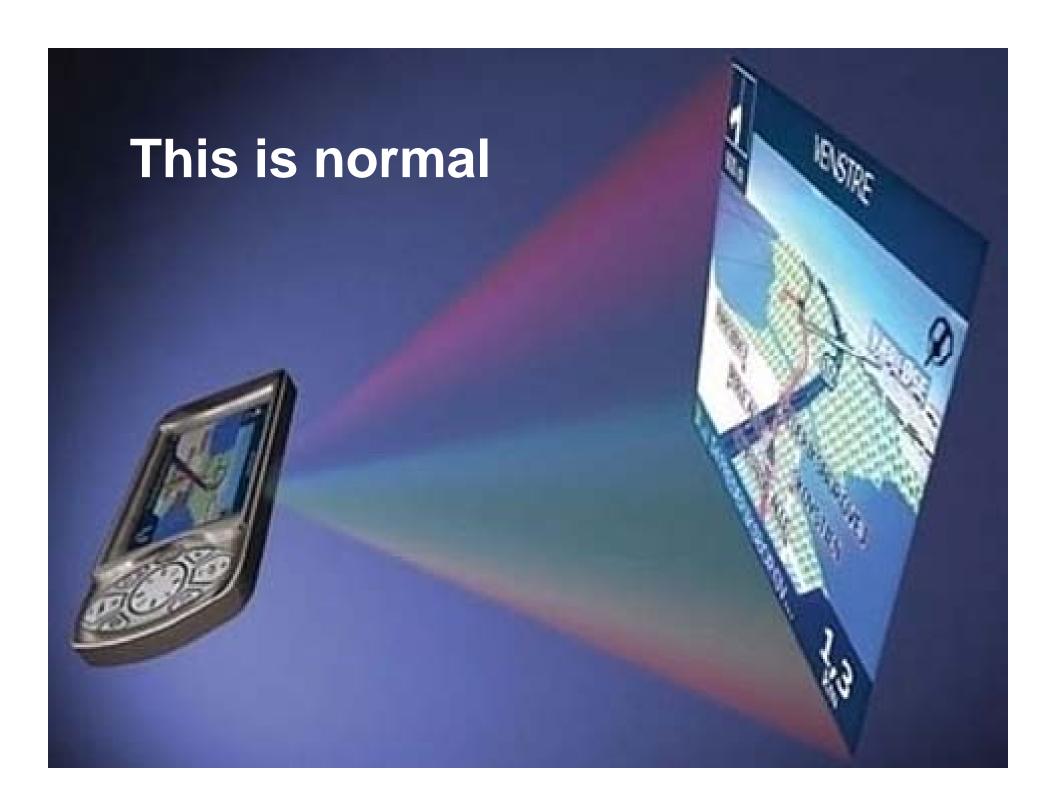






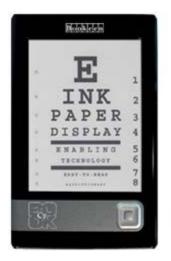






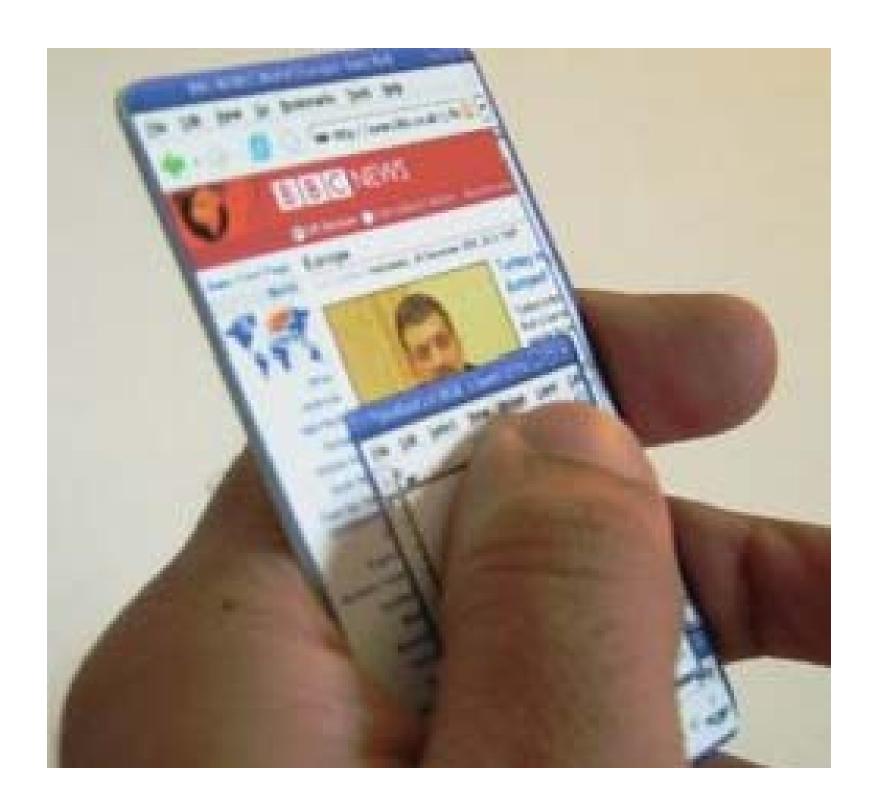






Device
Agnostic &
DRM Wars









A Mainly Mobile Focus

## Science Info on the Go:

## Enhancing Traditional Sci-Tech Library Services w/ Mobile Devices

Joe Murphy - Yale Science Libraries - joseph.murphy@yale.edu

Mobile devices help libraries meet the evolving information needs of the sci-tech community by expanding traditional services and exploring new opportunities.

### Enhancing / Expanding Services

## Mobile Reference = Answers on the go

Mobile librarians to meet the diffuse information needs of our specialized clientele.

Email

Instant Messaging

Phone

In person and outreach

### **New Opportunities**

#### Text Messaging Reference

- Answers from anywhere by SMS
- Expert assistance at point of need

## Social Networking

Mobile devices facilitate library 2.0 and social networking initiatives.

# flickr

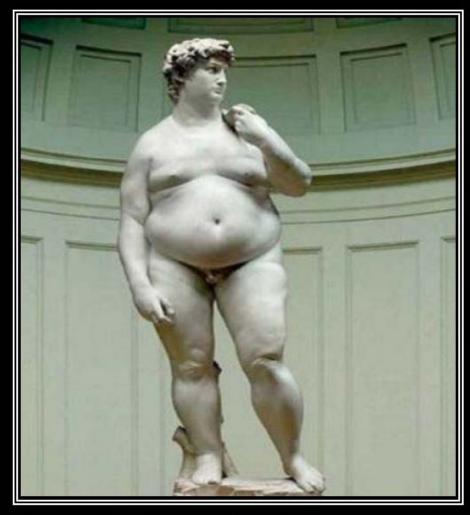
#### Considerations

- . Choosing a technology
- Identifying New Workflows
- Establishing Management Models: Staffing, Training
- Exploring Best Practices for a Quality Service (shifting communication styles and user expectations)



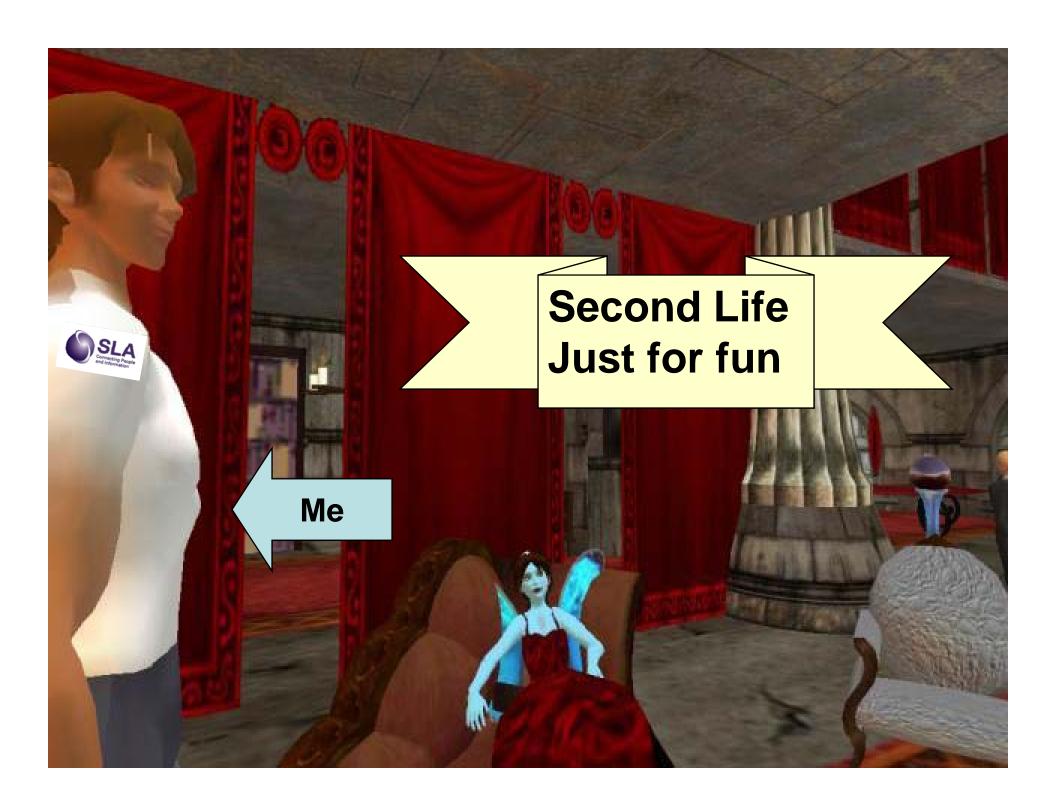
- Faceted Search
- OpenURL
- Federated Search

- Portals
- Portlets
- API's



# METABOLISM

The slower it gets, the faster it catches up with you.





# 2.0 is about play

# A Key Intervention





## 23 Learning 2.0 Things

- Week 1: Introduction (official start after Seattle Conference)
- Week 2: Blogging
- Week 3: Photos & Images
- Week 4: RSS & Newsreaders
- Week 5: Play Week
- Week 6: Tagging, Folksonomies & Technorati
- Week 7: Wikis
- Week 8: Online Applications & Tools
- Week 9: Podcasts, Video & Downloadable audio

# Learning 2.1 Technology Petting Zoos Technology Scholars 5 Weeks to a Social Library

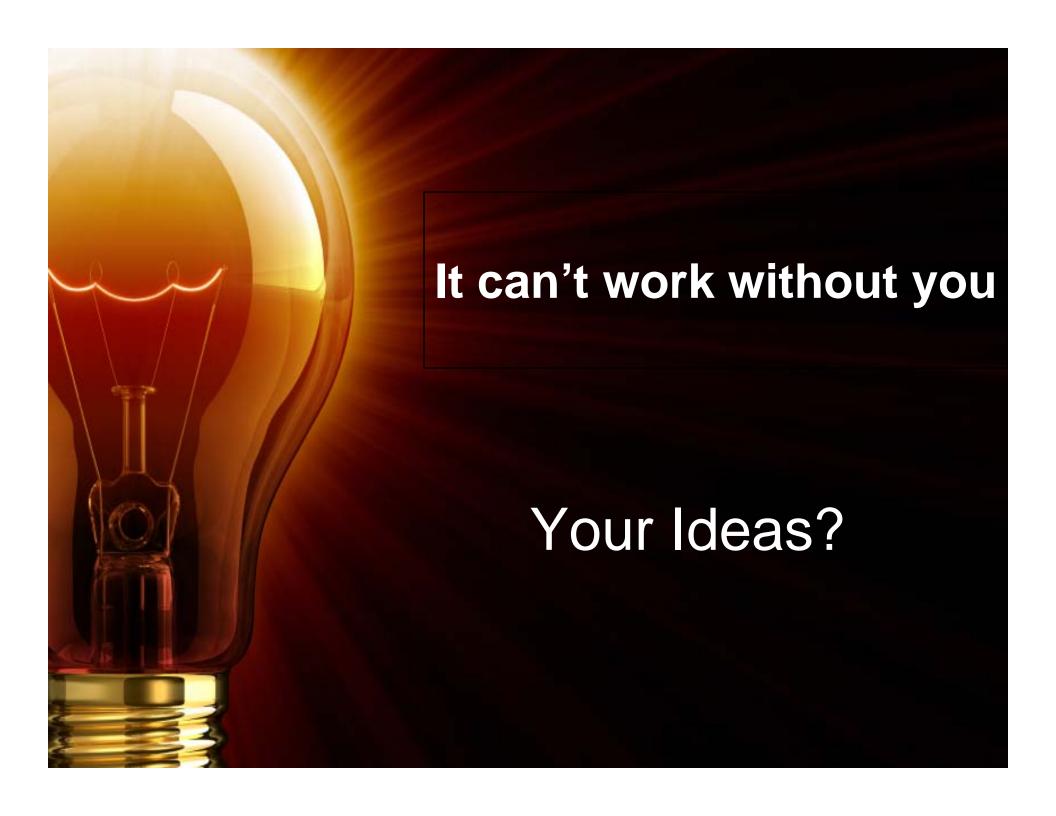
The Internet Can Change Your Life SirsiDynix Institute, WebJunction, OPAL, etc.

# Build a Petting Zoo

- Real devices: iPods, MP3 players, video, smart phones, texters, etc.
- Special PC's: disability compliance, streaming media, IM groups, VR (both kinds)
- Gaming stations







# Collegiality

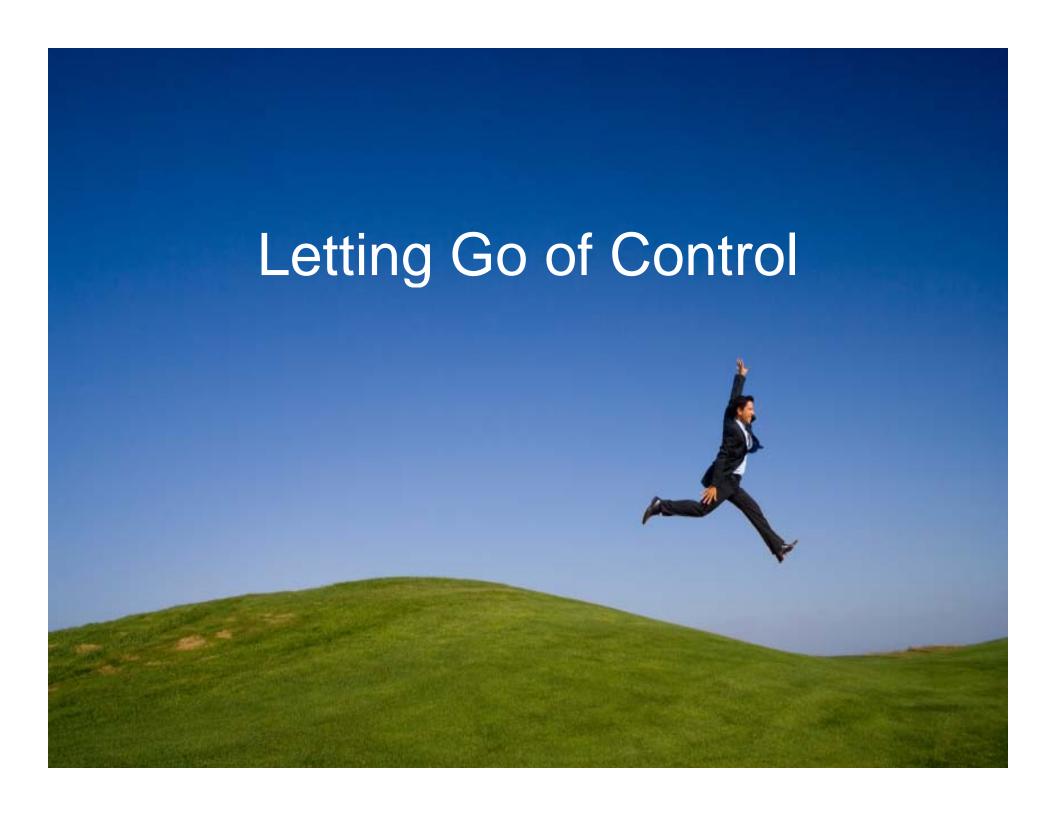


# Being Comfortable with Speed



# Being Open to New Ideas





## Remove the Borders in Libraries



# Remove the Borders In the Library Community





Be the Change We Want to See.





# Be Important



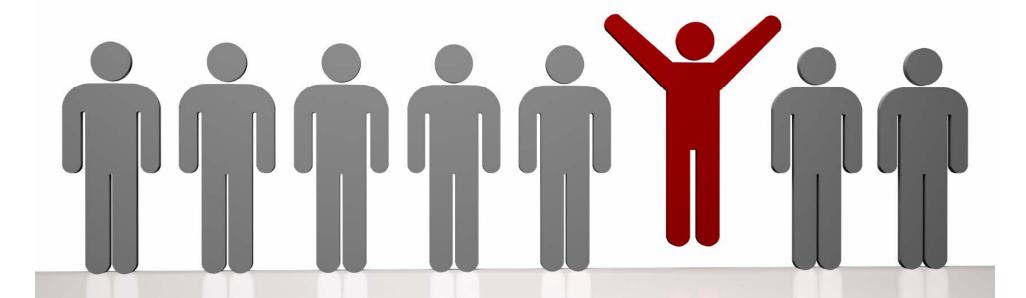
# EXPENDABILITY

KIRK, SPOCK, MCCOY, AND ENSIGN RICKY ARE BEAMING DOWN TO THE PLANET. GUESS WHO'S NOT COMING BACK.





## Find Our Voice and Use It



# Be More Open to New Folks



# Be More Open to New Paths



## Be More Open to the Users' Paths

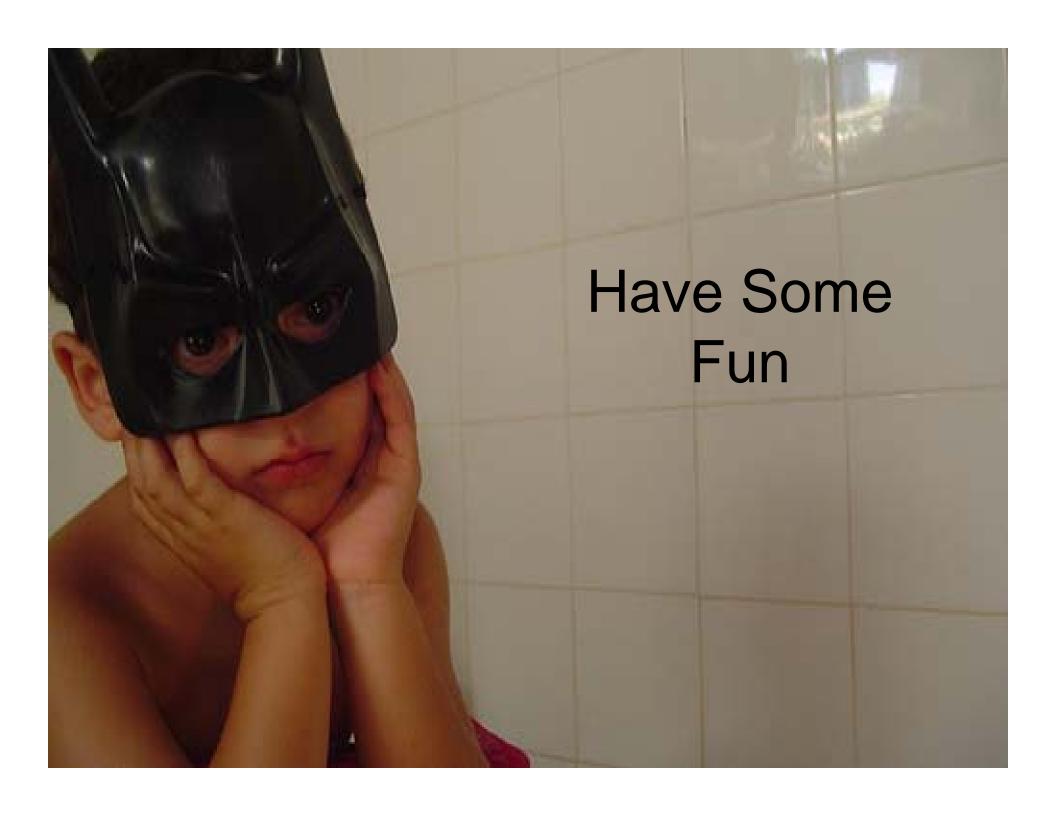


# Honest to G\*d - Have Fun



# Being Open to Standing Out

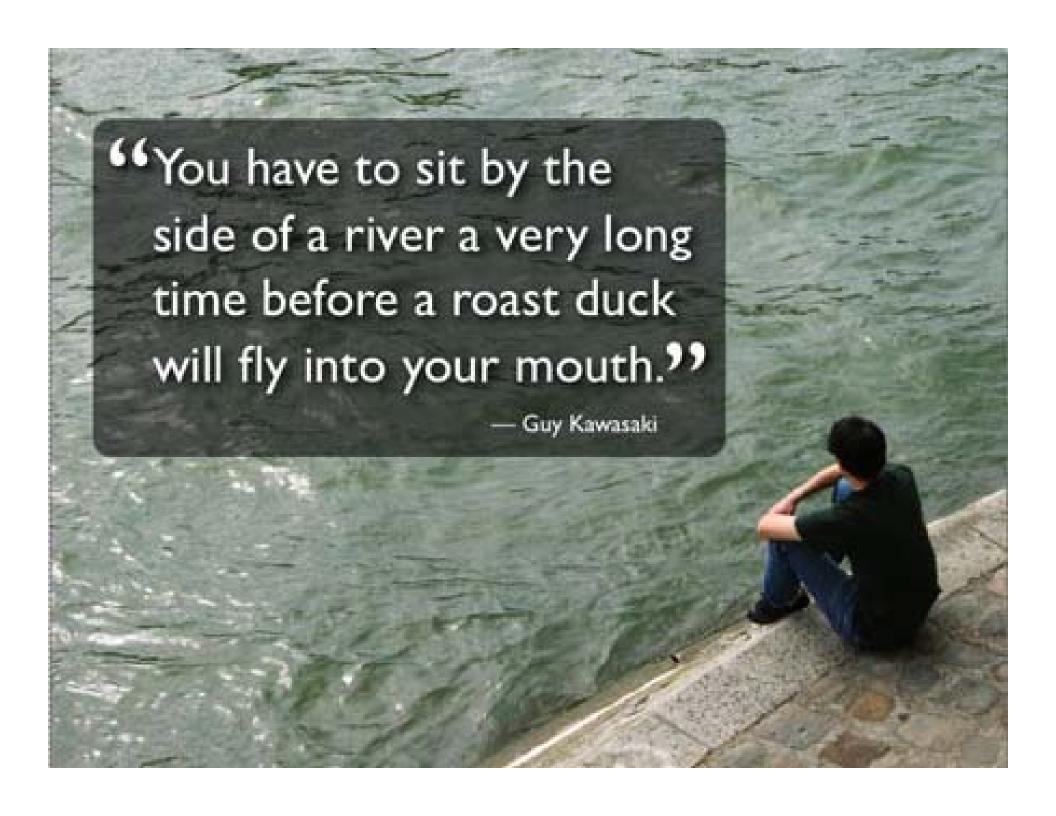




We librarians must learn that when we study something to death, *Death was not our original goal*.











## Slides

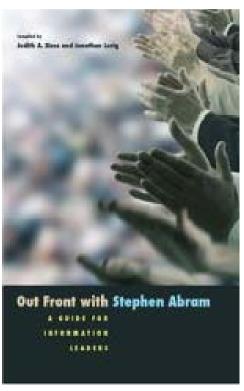
 These PPT slides will be at my blog 'Stephen's Lighthouse'

http://stephenslighthouse.sirsidynix.com









Stephen Abram, MLS, FSLA
President 2008, SLA
VP Innovation, SirsiDynix
Chief Strategist, SirsiDynix Institute
Cel: 416-669-4855
stephen.abram@sirsidynix.com
<a href="mailto:http://www.sirsidynix.com">http://www.sirsidynix.com</a>
Stephen's Lighthouse Blog
<a href="http://stephenslighthouse.sirsidynix.com">http://stephenslighthouse.sirsidynix.com</a>



## The Challenges Ahead: Transforming Libraries



# Let's Look At the Supposed Limits to the Future



## Happily, There Are None.



## Or, sadly, there are a lot.

- National Debt and National Borrowing
- Sub-prime Mortgage Crises
- Bankruptcies ...
- Gold Prices
- Oil Prices
- War and Famine
- Ignorance and Prejudice
- Globalization
- Global Warming
- Mergers and Acquisitions
- Techno-schism and Technolust

## The Perfect Storm?

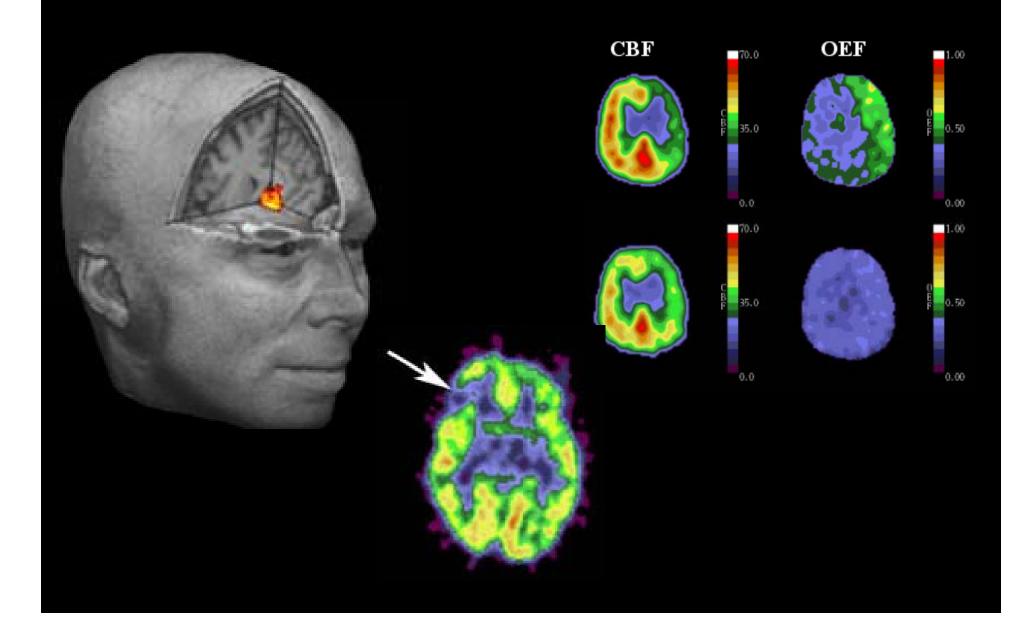
- Facebook gets a \$750,000,000.00 equity investment from Microsoft and two equity capital firms.
- Facebook introduces social ads last month on top of their F8 development platform (Beacon)
- Google heads past 10,000 licensed traditional publishers
- Google adds new libraries all the time to Google BookSearch and last week's API.
- Microsoft, AOL, Yahoo??
- The stock market woes
- MySpace acquires Dow Jones and the Wall Street Journal and soon more.
- Thomson acquires Reuters.
- Google announces that MySpace, Bebo, Engage.com, Friendster, hi5, Hyves, imeem, LinkedIn, Ning, Oracle, Orkut, Plaxo, Salesforce.com, Six Apart, Tianji, Viadeo, and XING have joined Google OpenSocial their new "open" platform for development anywhere. Yahoo! Joined too.
- MySpace, Facebook and Google Cooperate on identity! OpenID
- Google introduces Google OpenMobile Open Handset Alliance / Android development platform
- The US \$ is challenged
- And the first US Boomer applied for their pension in November 2007.
- Strap yourself in, 2009 is going to be a fine ride. Enjoy.

## What's New (or new enough)?

- Semantic Web (Twine)
- The Cloud (Google, Zoho and MS etc.)
- No choice search engines
- GIS oriented search and ads
- Virtually unlimited fulltext books
- Streaming media and spoken word search
- Personalization 3.0
- Microblogging
- Registries and SaaS
- Device proliferation (Kindle, iPhones, etc.)
- What's old? Attacks on research, rights, intellectual freedom, access, filters, blacklisting, copyright balance, privacy, DRM, patents, trademarks, voice, etc.

## Stuff Will Change Much Faster Now

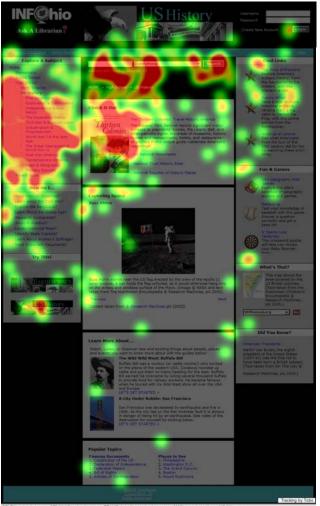
- Over the next 13 years an iPod size device will hold:
- iPods can hold year's worth of <u>video</u> by **2012**
- Or ALL the commercial <u>music</u> ever created by 2015
- Or ALL <u>content</u> ever created (in all media) by 2020
- Videogames outsell most content combined!
- Jeez Ringtones are even big
- Amazon + Audible + OpenSocial, F8, MySpace Developer, Android . . . Microsoft + Yahoo + Facebook + 40 ads engines? Or AOL!!
- Pocket-sized devices will dominate
- Your avatar will parallel your life by IBM



## Millennial Behaviours

Principled / **More Friends** Respect Intelligence More **Diverse** Values Optimistic / Internet **Format Agnostic** More **Choices Natives Positive Balanced Lives** Adaptive / **High Expectations** Civic **Flexible** Minded Collaborative **Nomadic Experiential Gamers** Independent **More Liberal and** Confident Direct more conservative **Multi-taskers** Inclusive **Patriotic Entrepreneurial Healthy Lifestyle Family Graphical Achievement Oriented Oriented** 

Credit: Richard Sweeney, NJIT



Report on the Usability and Effectiveness of SirsiDynix SchoolRooms for K-12 Students

Int Quarter - 2006

Conducted under the auspices of the Kent State University School of Library and Information Science and the

Information Architecture/Kaowledge Managament Program (IAKM)

by

Dr. Jason Holmes, Antenn Profesor School of Library and Information Science (SLIS)

De: David Robins, Anterne Profesor Information Architectum/ Knowledge Management Program (IAKM)

De. Yo Zhang, America Profesor School of Library and Information Science (SLIS)

Dr. Athena Salaka, Autouar Profesor School of Library and Information Science (SLIS)

Dr. Greg Byndy, Assetzer Profesor School of Library and Information Science (SLIS)

May 22, 2006



STUDY schoolrooms. STMULUS schoolrooms. FRAME: http://liest.schoolrooms.net.6060/rooms/portal/page/US\_History. NAMERC OF RECORDINGS. 43. HOTSPOTTYPE: Fixation Court. MAX: 3 Fixations. TIME SEGMENT Include data from 0 ms to \$1835 ms.





#### A NEW LEARNING PORTAL FOR THE K-12 COMMUNITY

#### iscover More...

What is SchoolRooms

What's in SchoolRooms

Who Uses SchoolRooms

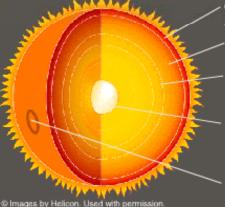
Why Students Like SchoolRooms

How Does SchoolRooms

Ohio Boston + **Philadelphia Delaware California South Carolina** etc.



#### Earth Science Room: The Amazing Sun



corona - the sun's atmosphere chromosphere

photosphere - the lightproducing layer

core – where the nuclear fusion of helium and hydrogen takes place

sunspot – dark patch that makes cooler gases

#### Explore a new learning portal for the K12 community



SchoolRooms™ by SirsiDynix is a new online portal that encourages K-12 students to

explore, discover, and learn anywhere, anytime

Designed to meet students' needs and to be a tool for parents who play an integral role in helping their children continue learning outside the classroom.

Using SchoolRooms, students can search (all at oncel):



#### Best of Web™

Results from highquality, certified Web sites hand-picked by teachers and

librarians. Search databases at the same time and find related articles, Learn more about BOW. Explore More...

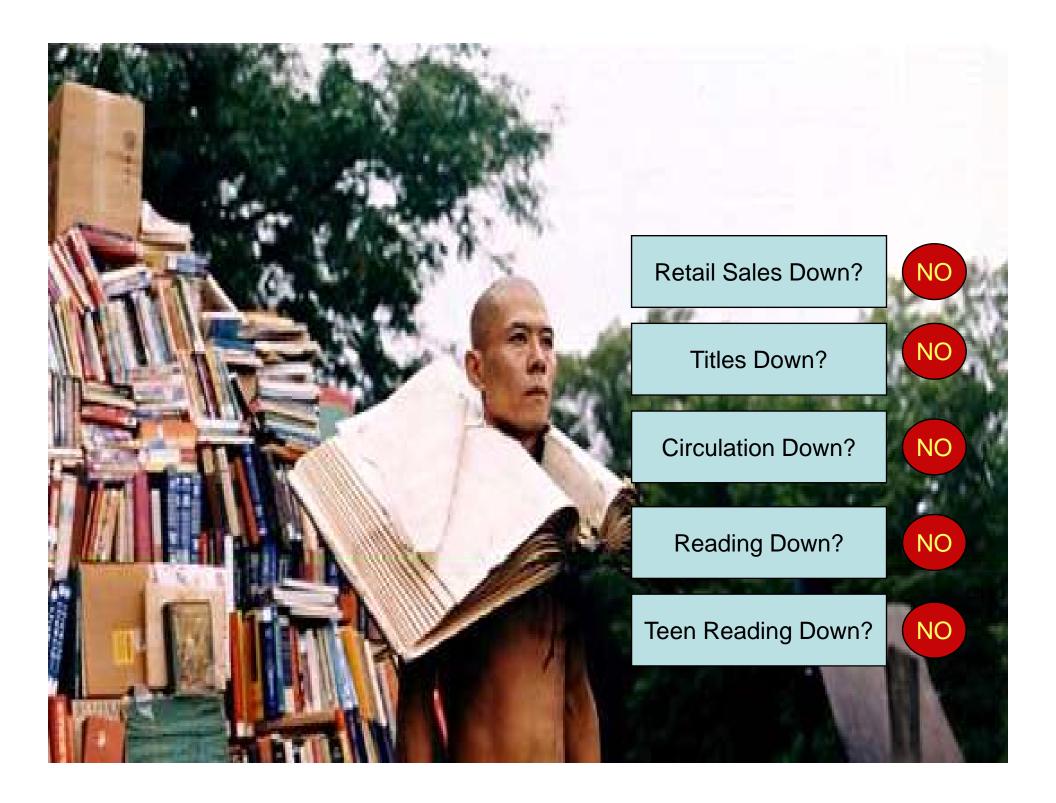


#### News & Events

Catch up on the news

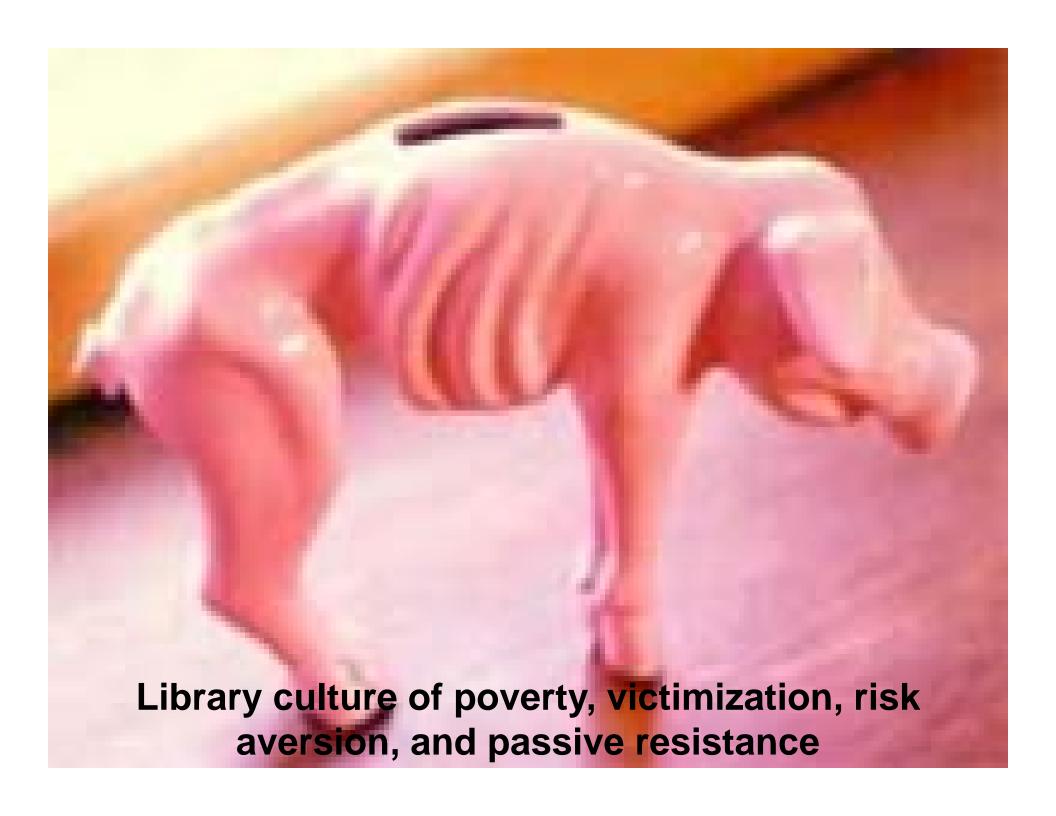
about SchoolRooms, Check out the next place you can see SchoolRooms in action and find out more about how SchoolRooms can provide your students with an unparalleled learning experience. Discover More...

Case Study: **Boston Public Library** Discover how **Boston** 



- When something needs change...
- Do it.
- Take responsibility





Amazon Chapters/Indigo Barnes & Noble BN BookBrowser Borders **Suggestica** Inside a Dog (teens) MySpace Books **Books We Like** OCLC's FictionFinder **All Consuming LibraryThing Next Favorite StoryCode** Rating Zone **Hypatia and AlexLit** WhichBook.net AllReaders.com Reader's Robot anooks







MySpace Books

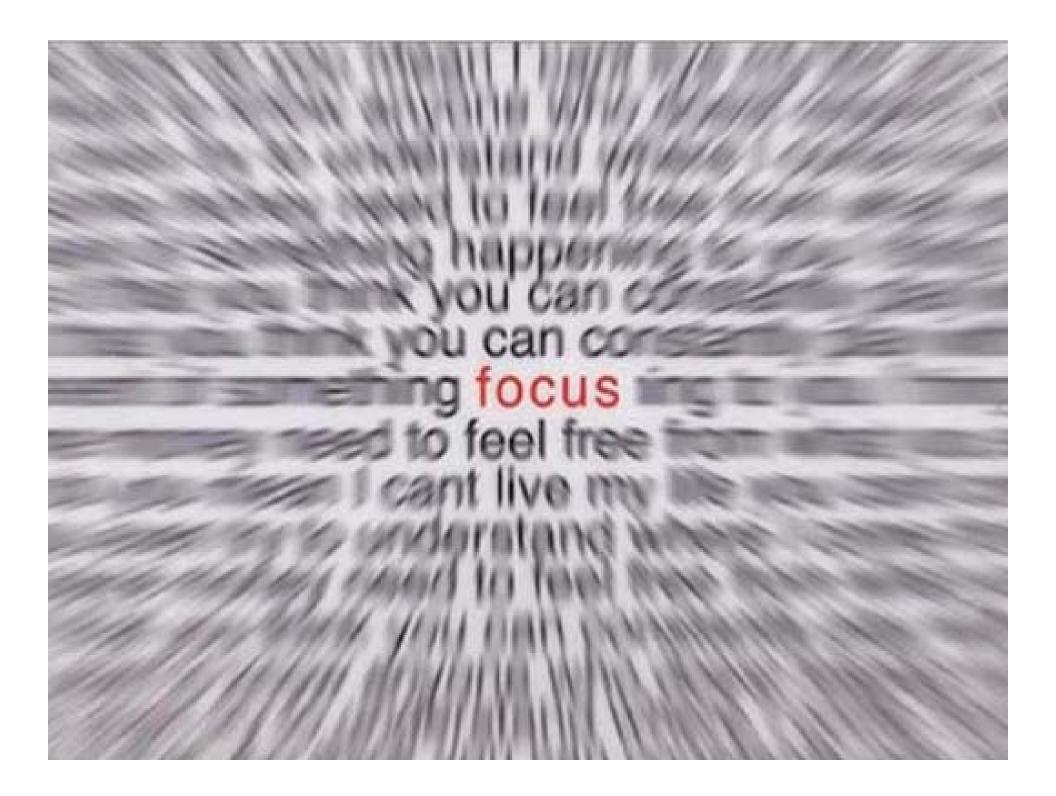


Being More Open to Criticism and Feedback

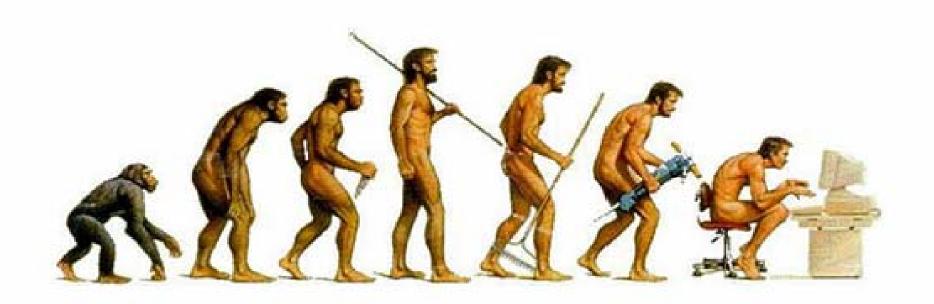


## Being More Open to Change





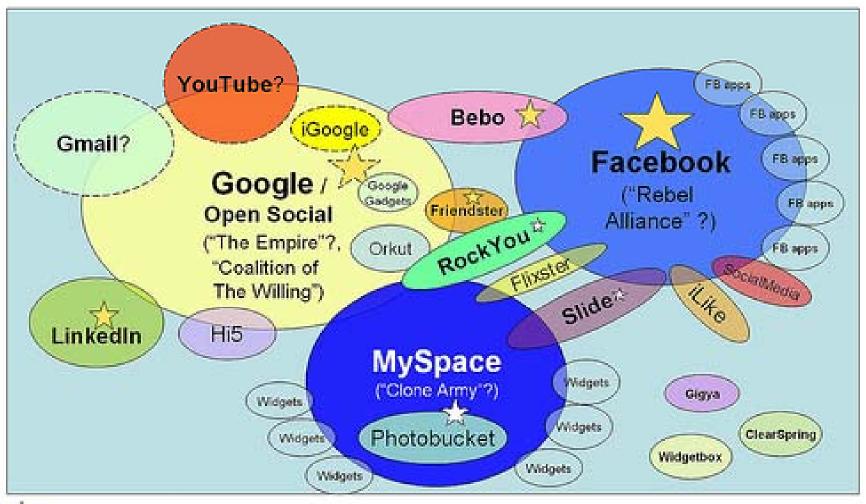








### Social Graph Platform Wars





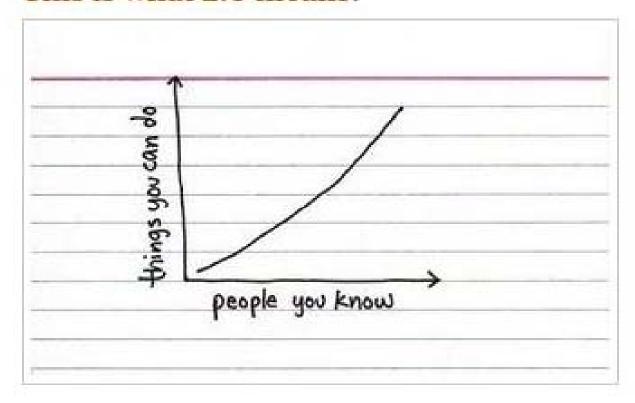
= announced Platform / API



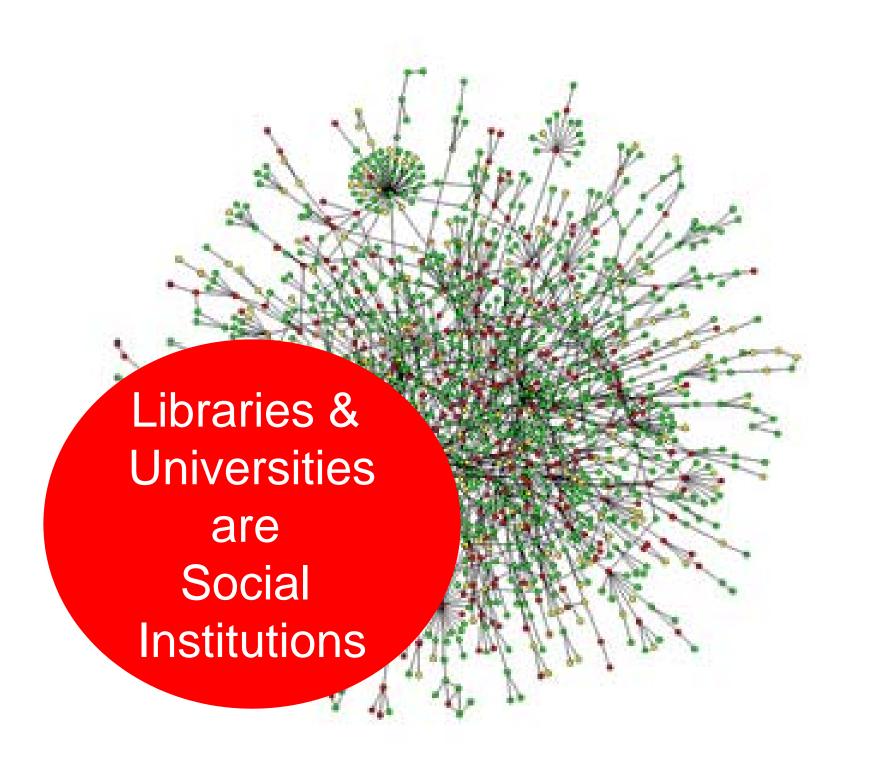
= unannounced Platform / API

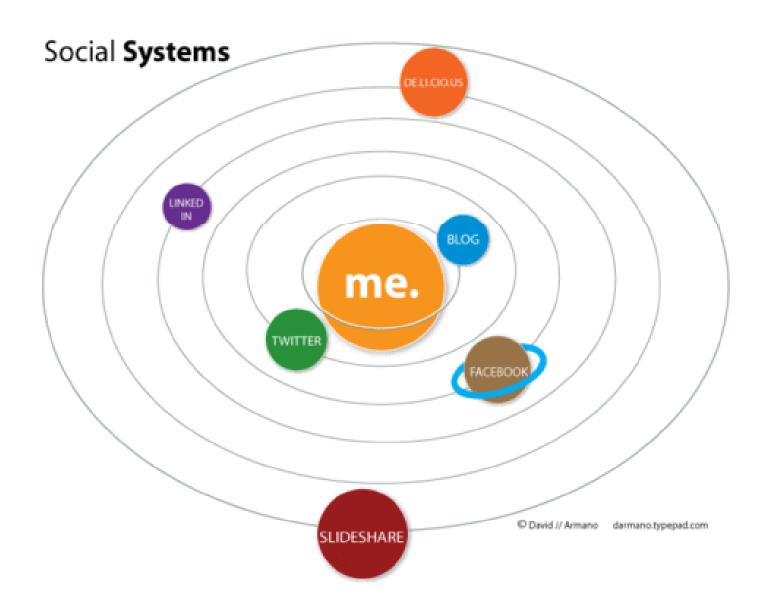
THURSDAY, AUGUST 14, 2008

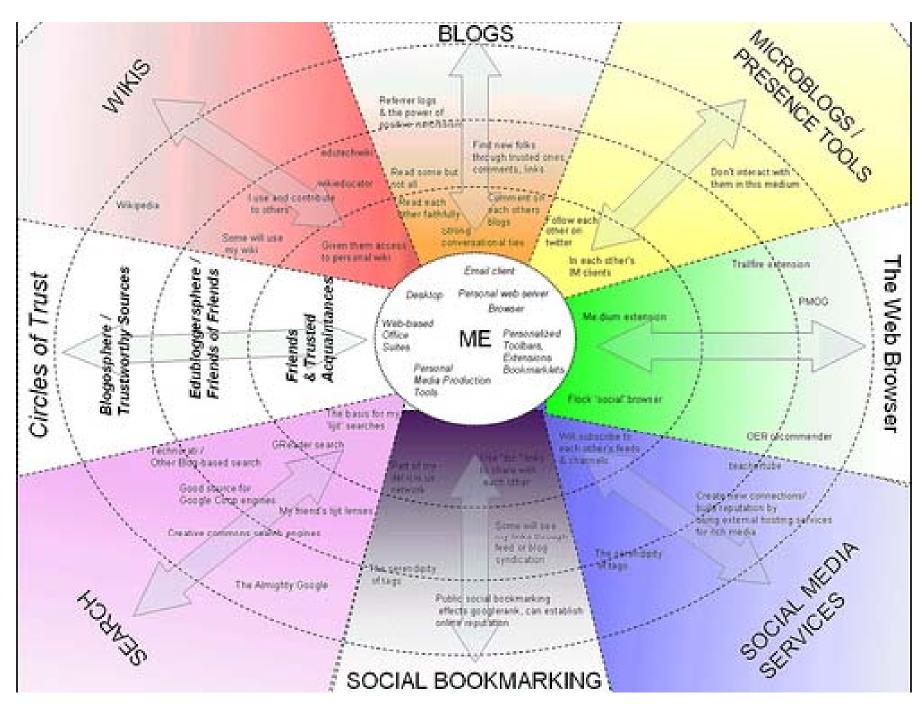
#### This is what 2.0 means.



# Being More Open to Social Networks, Content, Access and ...more







http://www.flickr.com/photos/nessman/2590572476/



http://www.flickr.com/photos/briansolis/2735401175/

## What's Normal Now?

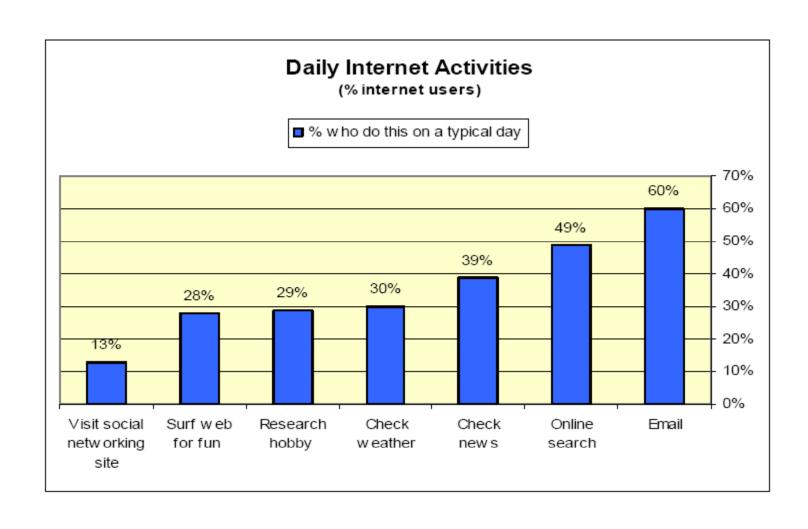
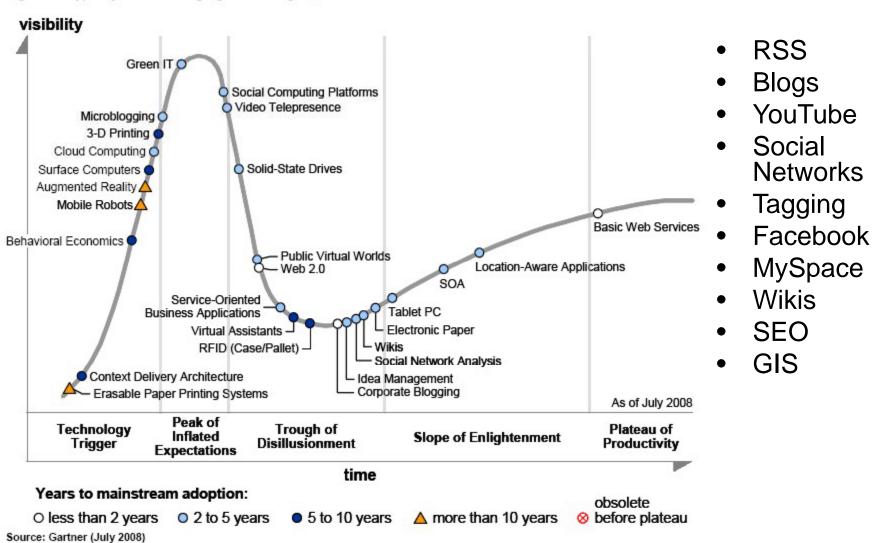
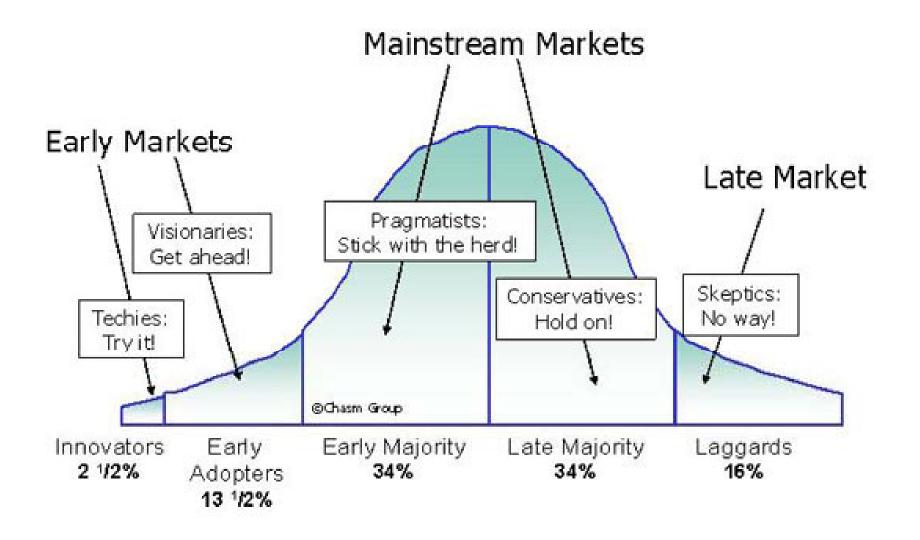


Figure 1. Hype Cycle for Emerging Technologies, 2008



#### Technology Adoption Life Cycle

Groups are distinguished from each other based on their characteristic response to discontinuous innovations created by new technology



# The new Web 2.0 era distribution models remain largely untapped

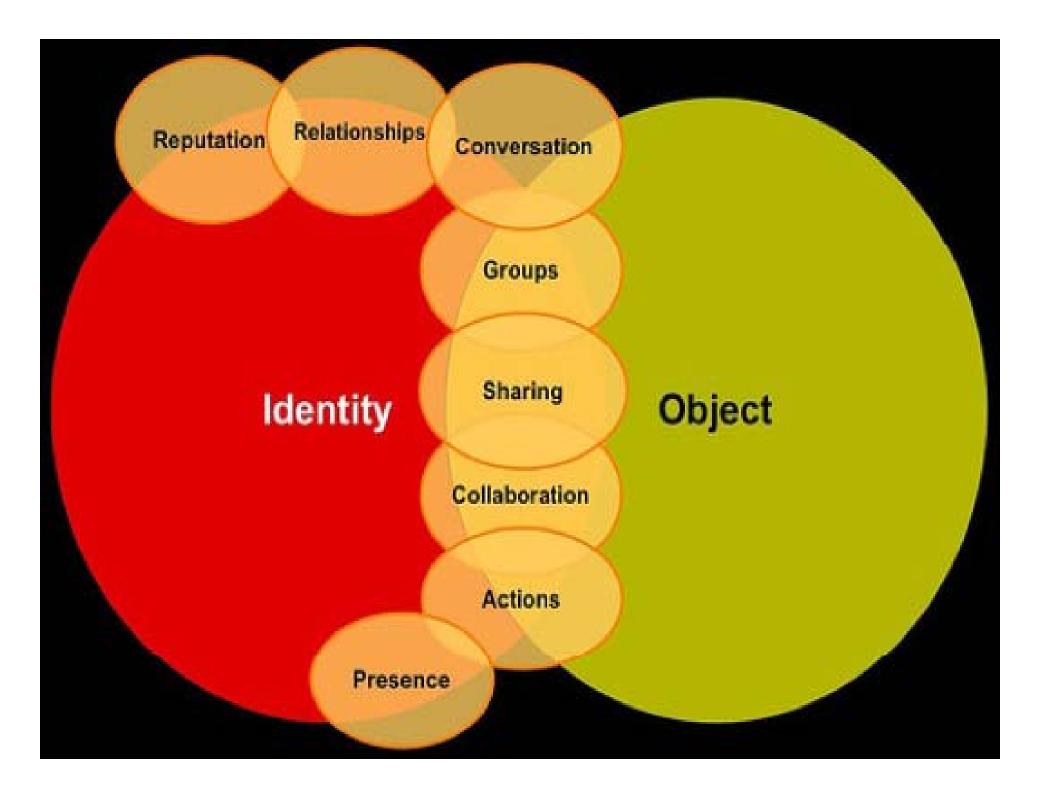
Number of Practitioners Semantic Web/Web 3.0 Social Network Apps

> Potential Reach Power and Network Effect

(Lowest Cost Per Customer/Partner)

\* = estimated





#### Be Where Your Users Are









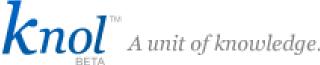
















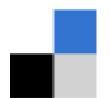
# Get Good at The Cloud





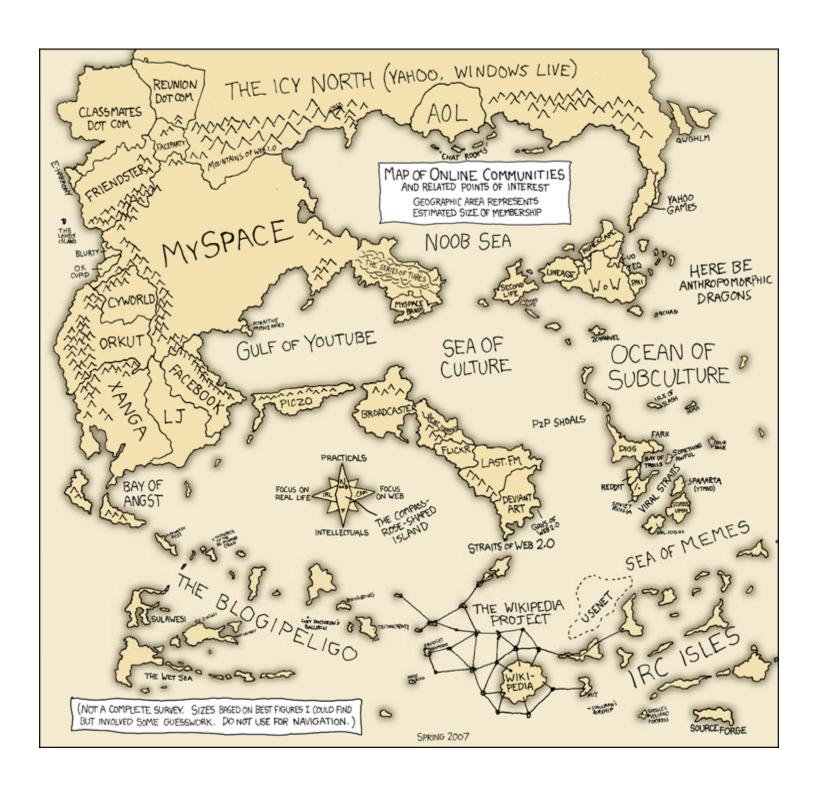
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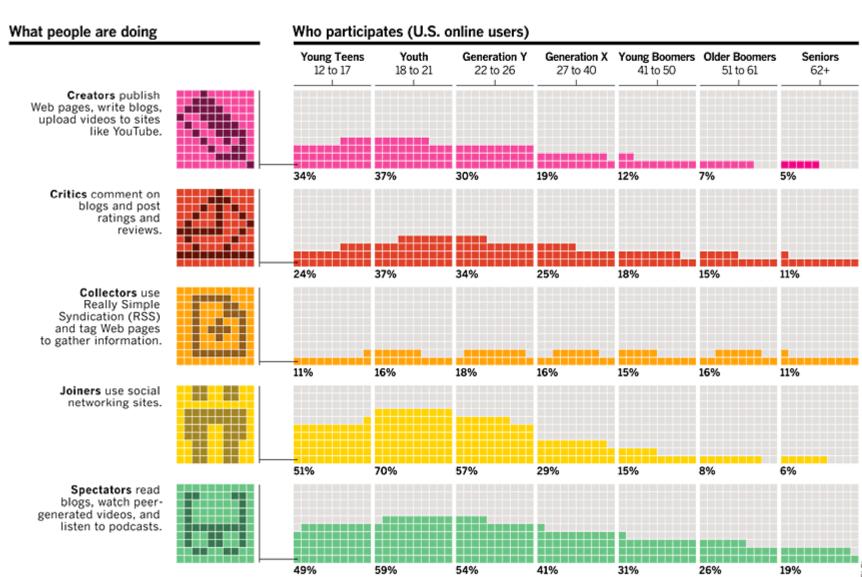


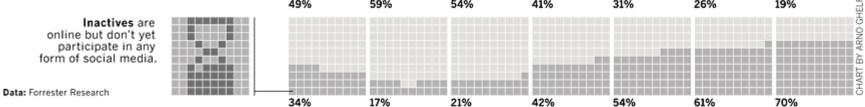


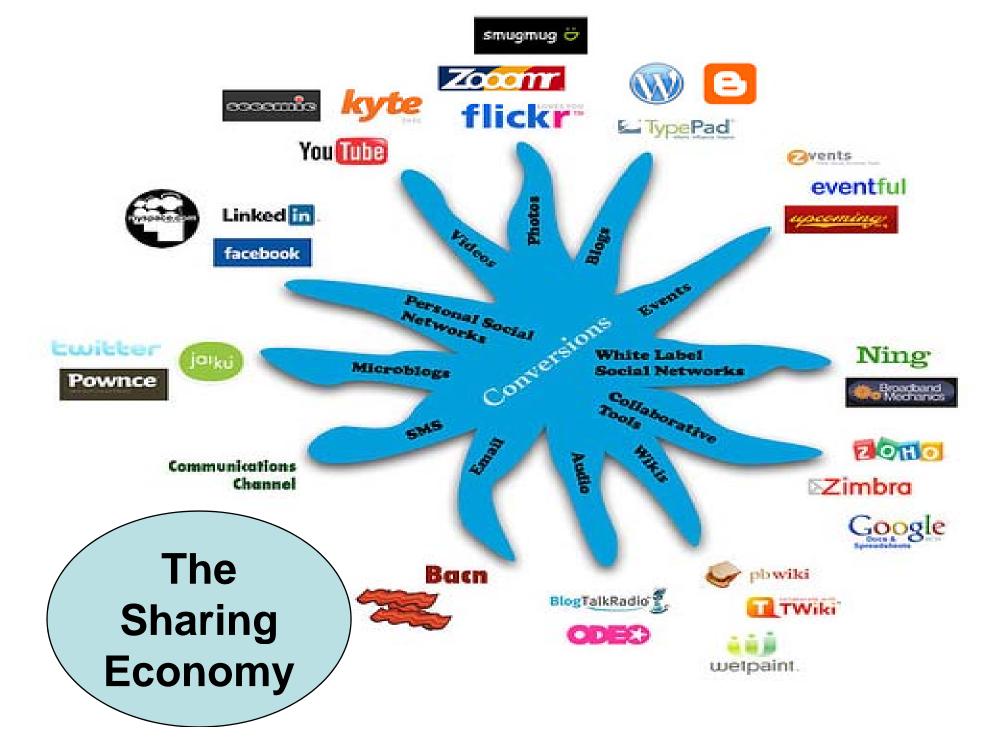
delicious



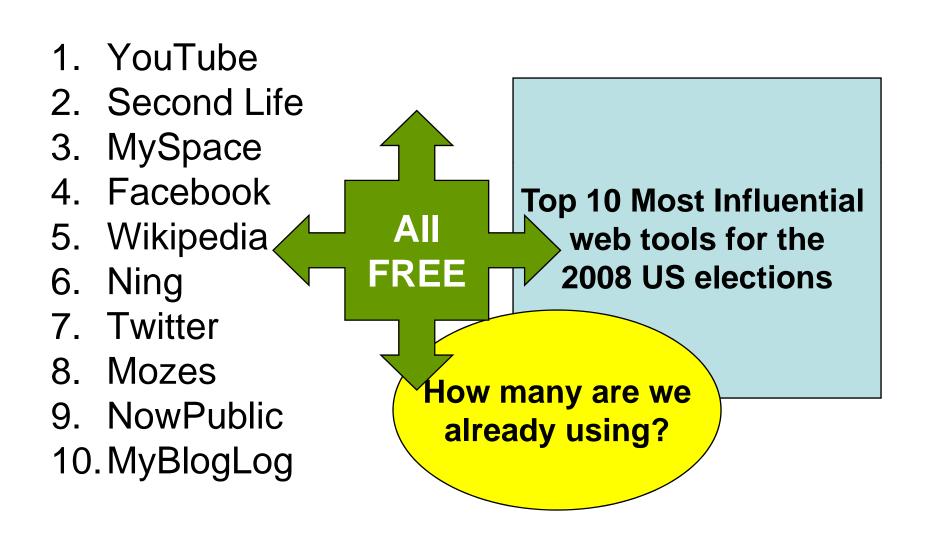






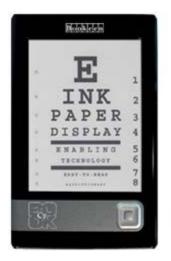


#### 2.0 Influencers



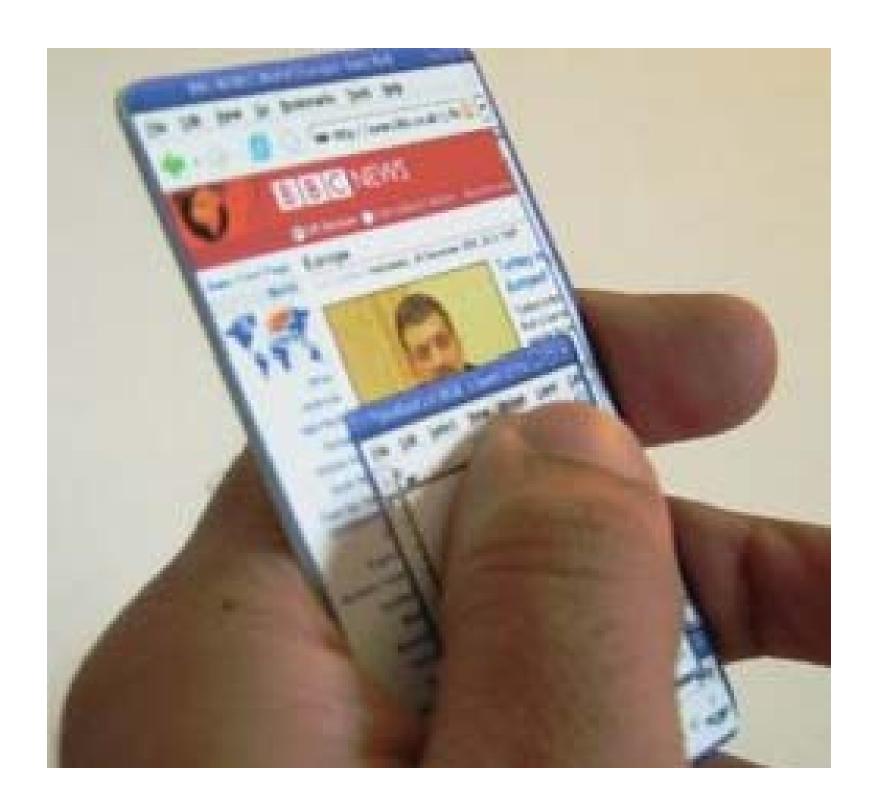






Device
Agnostic &
DRM Wars









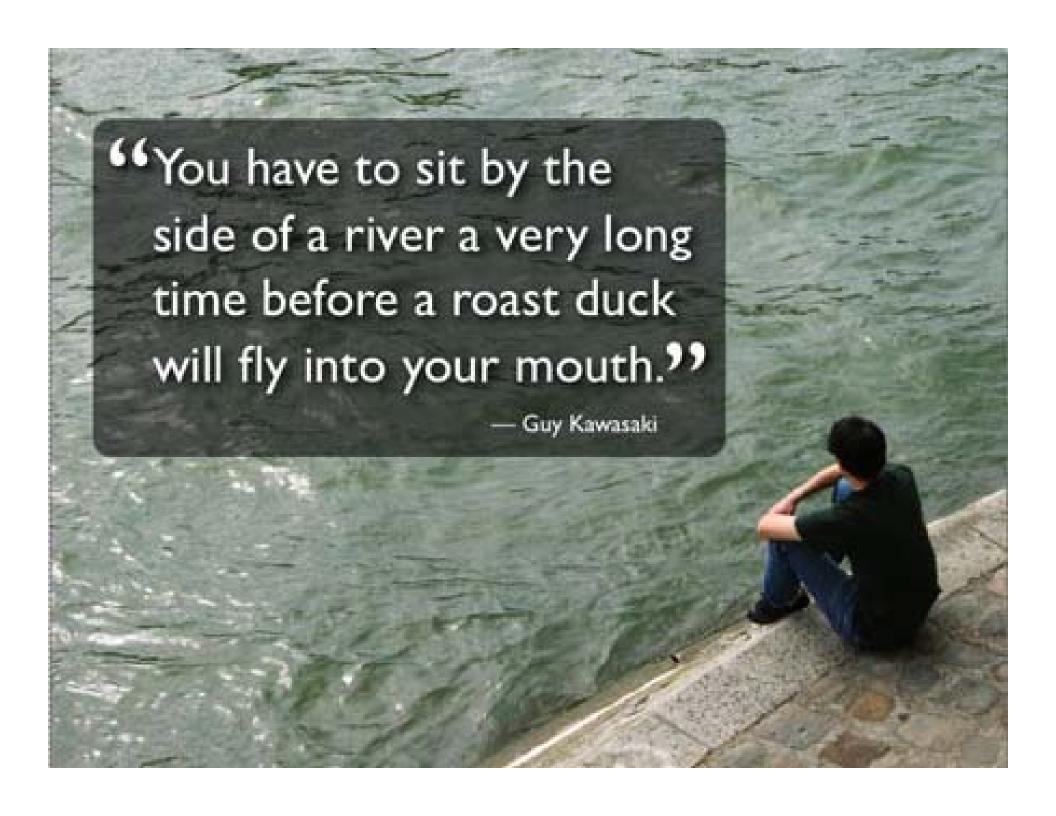
A Mainly Mobile Focus

## Be More Open to New Paths



### Be More Open to the Users' Paths





#### Slides

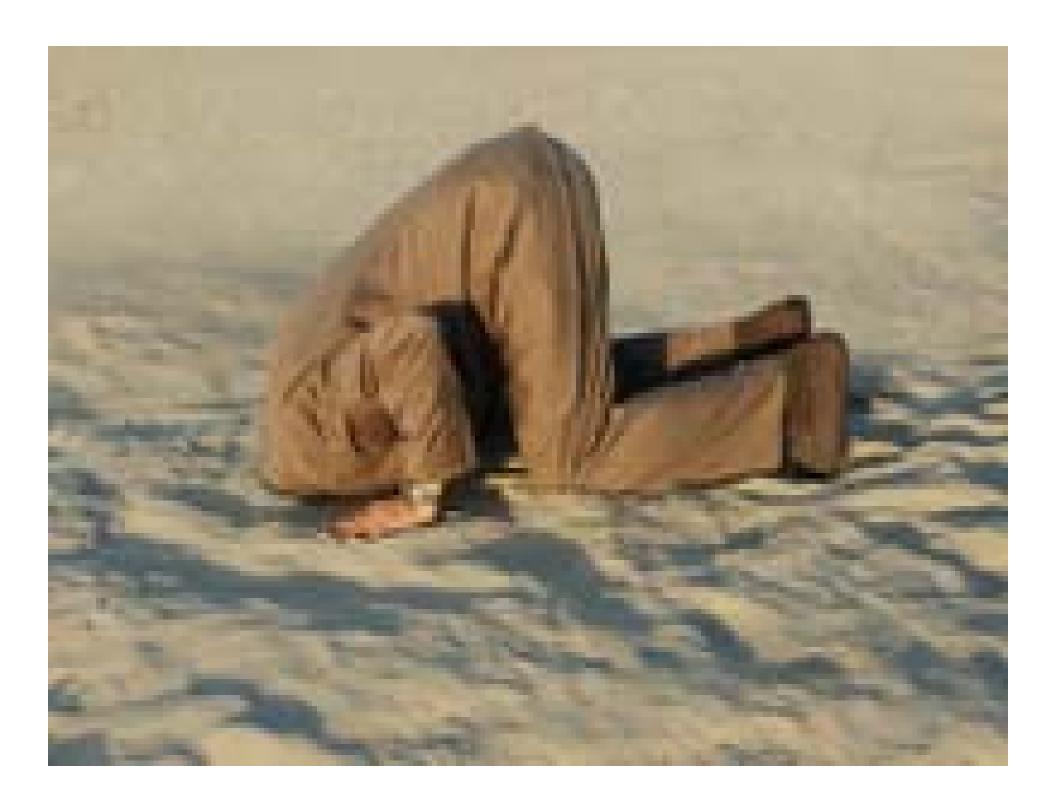
 These PPT slides will be at my blog 'Stephen's Lighthouse'

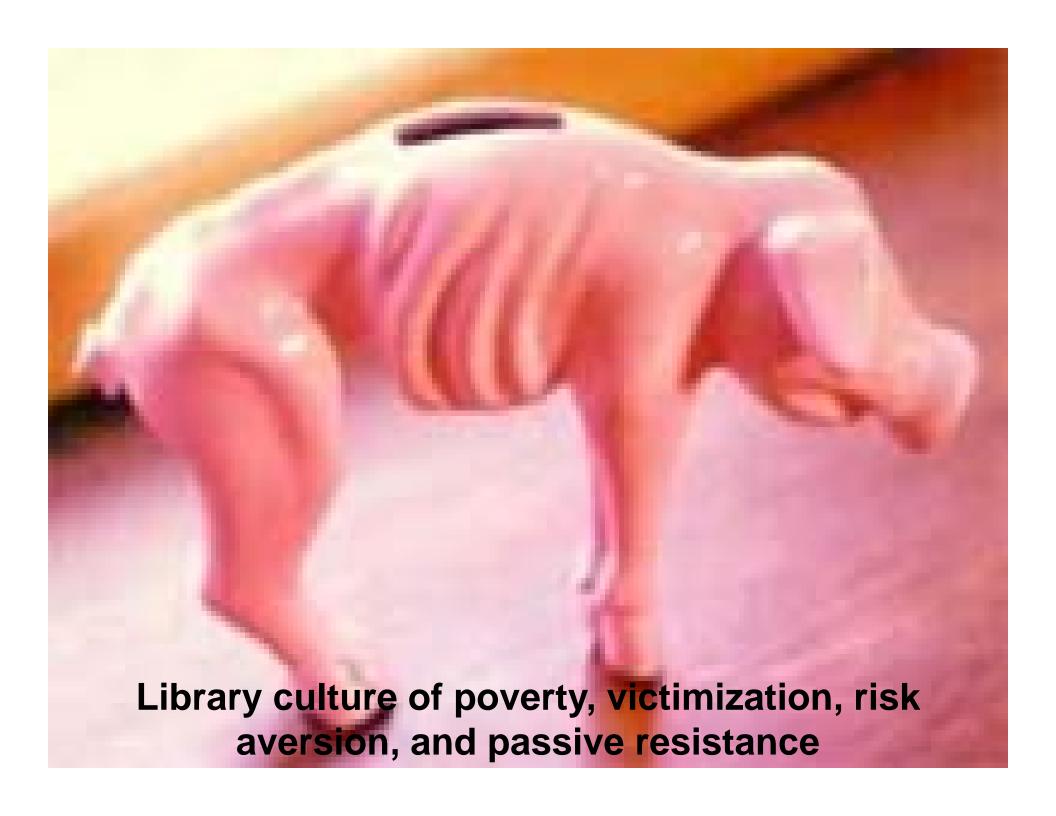
http://stephenslighthouse.sirsidynix.com

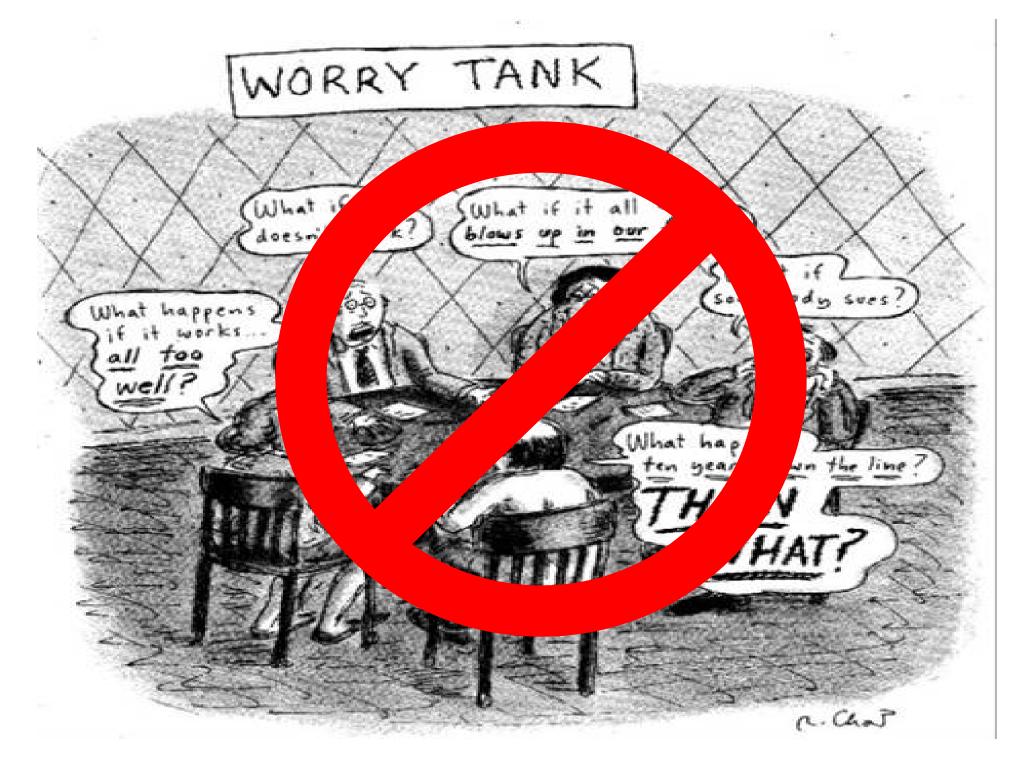




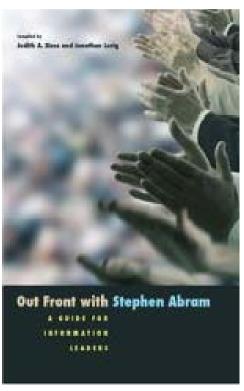
# PAST FUTURE











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<a href="http://stephenslighthouse.sirsidynix.com">http://stephenslighthouse.sirsidynix.com</a>