NRC·CNRC
Institute for Information Technology
Applications of
Social and Collaborative Technologies in Education
Stephen Downes ~ April 8, 2008
National Research Council Canada
Conseil national de recherches Canada
Canada

Why I came to New Brunswick

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Technology
The Fall Foliage

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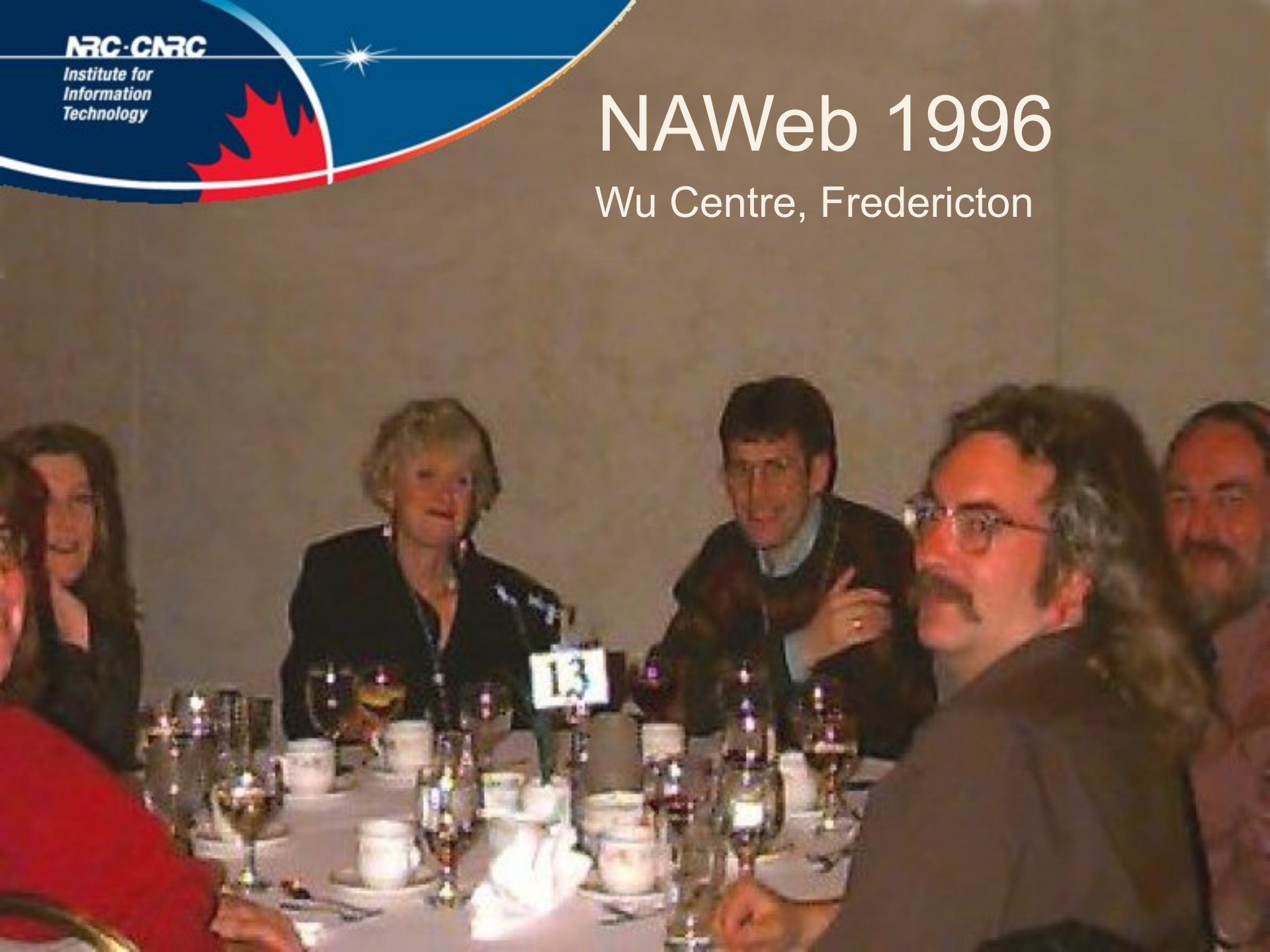
NAWeb 1996

Wu Centre, Fredericton



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Rik Hall

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1997
STEPHEN

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tion NB Staff
rchive.org/web/2000
rory mcgreal
dmin Menu ~ Steph... Google Reader (100+) Calendar
to Shar... TeleEducation NB Staff

TeleEducation NB Staff

- Rory McGreal, Executive Director
- Roger Doucet, Learning Design Specialist
- Marilyn Holland, Learning Support Coordinator
- Joel Vautour, Technical Services Coordinator
- Claudette Grexton, Secretary
- Brad Donovan, Technical Support
- Annette Selmes, Scheduler - Financial Officer
- Dwight Spencer, Internet Services Manager

TeleEducation NB
250 King St
Place 2000
Fredericton, NB, Canada
E3B 1E2

information / renseignements:
tenb@teleeducation.nb.ca
phone: 506 444 4234
fax: 506 444 4232

Last Update: 11:31 AM ADT, Friday July 7 2000 by the the webmaster

Done

People helping each other learn

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EduCamp Colombia

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Kuala Lumpur,
Malaysia

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ICOE
開放式課程
開放式課程與數位學習的未來
The challenge faced by the applicat
時間 Time
主題 Topic
08:30-09:00
報到 Registration
09:00-09:50
Trends and impacts of e-Learning 2
Taipei, Taiwan

Communities of Educators Online

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tional Bloggers

ups/35034348234@N01/

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~ Steph... Google Reader (100+) Calendar Edu-RSS 0.2 Feeds ~...

Read... Facebook | T... Classroom 2.0 Plaxo Pulse -... WikiEducator...

flickr LOVES YOU

Signed in as Stephen Downes (75 new) Help Sign Out

Home You Organize Contacts Groups Explore Search this group's pool Search

Educational Bloggers

Discussion Pool Map 203 Members Invite

http://www.flickr.com

Group Photo Pool (See all 459 photos)

NEW From Edu-Tourist

From netbobz

From netbobz

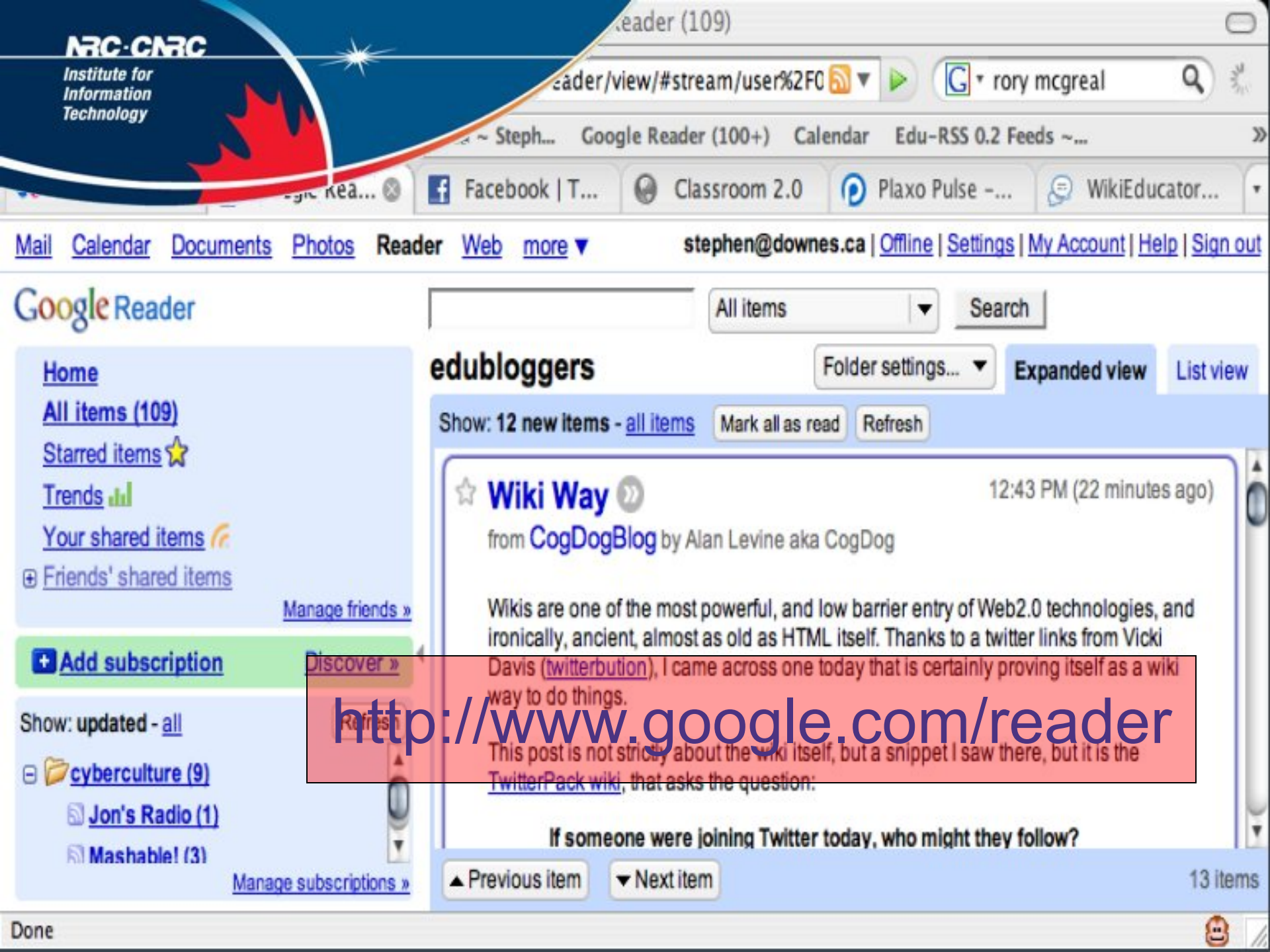
From Danica.

From netbobz

From netbobz

More photos...

Done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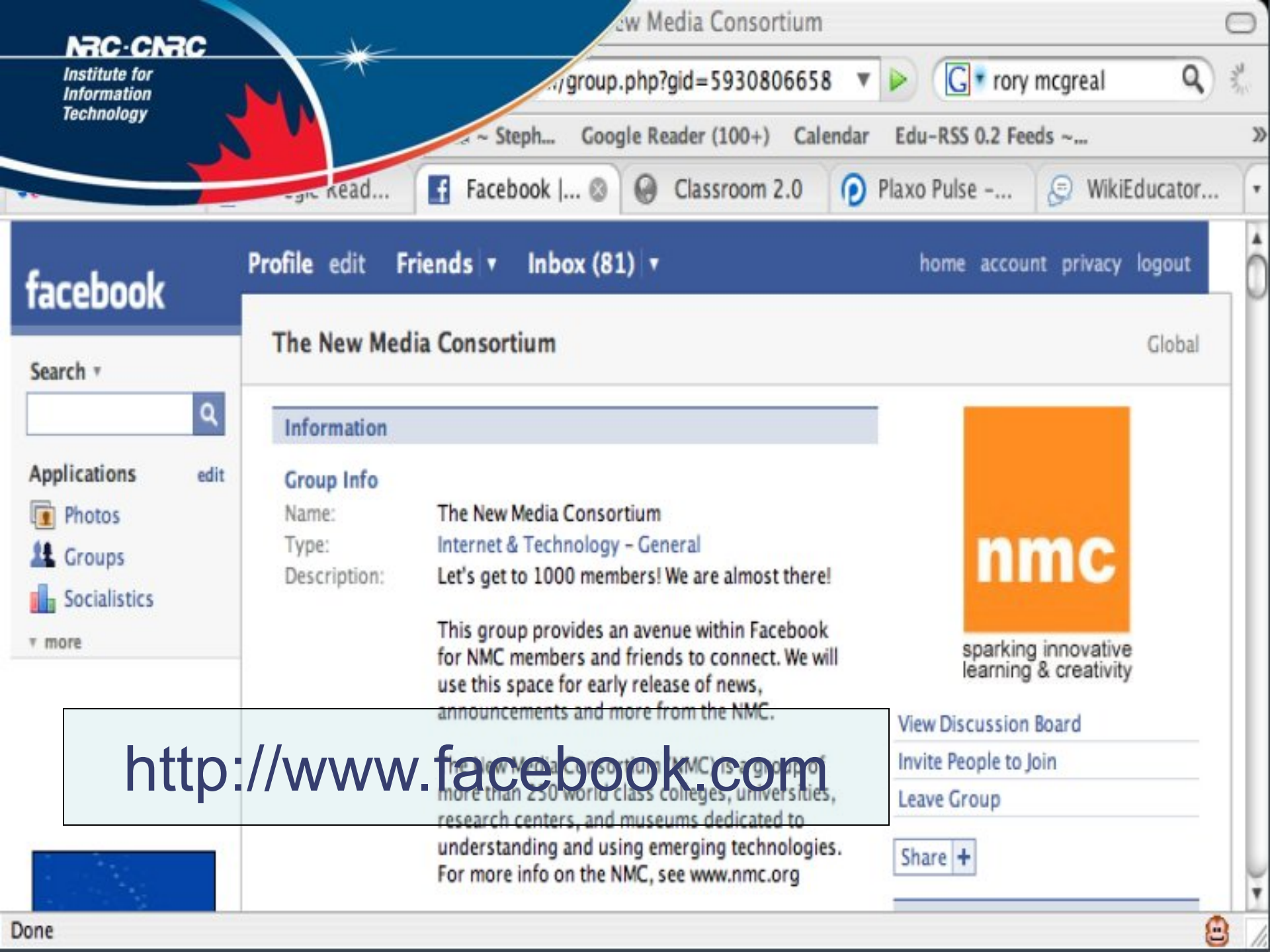
~ Steph...
Google Reader (100+)
Calendar
Edu-RSS 0.2 Feeds ~...
Facebook | T...
Classroom 2.0
Plaxo Pulse -...
WikiEducator...
Mail Calendar Documents Photos Reader Web more ▼
stephen@downes.ca | Offline | Settings | My Account | Help | Sign out
Google Reader
All items
Search
Home
All items (109)
Starred items
Trends
Your shared items
Friends' shared items
Manage friends »
Add subscription
Discover »
Show: updated - all
cyberculture (9)
Jon's Radio (1)
Mashable! (3)
Manage subscriptions »
edubloggers
Folder settings...
Expanded view
List view
Show: 12 new items - all items
Mark all as read
Refresh
Wiki Way
12:43 PM (22 minutes ago)
from CogDogBlog by Alan Levine aka CogDog
Wikis are one of the most powerful, and low barrier entry of Web2.0 technologies, and ironically, ancient, almost as old as HTML itself. Thanks to a twitter links from Vicki Davis (twitterbution), I came across one today that is certainly proving itself as a wiki way to do things.
This post is not strictly about the wiki itself, but a snippet I saw there, but it is the TwitterPack wiki, that asks the question:
If someone were joining Twitter today, who might they follow?
http://www.google.com/reader
▲ Previous item
▼ Next item
13 items
Done



http://www.facebook.com

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Edu-RSS 0.2 Feeds ~...
Facebook | T...
Classroom ...
Plaxo Pulse -...
WikiEducator...
Search
CLASSROOM 2.0
MAIN
MY PAGE
MEMBERS
NEWS
FORUM
RESOURCES WIKI
GROUPS
FAQ
PHOTOS
VIDEOS
WELCOME!
Welcome to Classroom20.com, the social networking site for those interested in Web 2.0 and collaborative technologies in education.
Once you join, please introduce yourself by going to the introductory forum message. We especially hope that those who are "beginners" will find this a supportive community and a comfortable place to start being part of the digital dialog. Feel free to explore! Here are some starting tips, or you can ask help of a "host" below.
Members
View All
Classroom 2.0 "LIVE Conversations"
http://www.ning.com
Done

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se – Groups

se/groups/profile/1417344

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eph... Google Reader (100+) Calendar Edu-RSS 0.2 Feeds ~...

Facebook | T... Classroom 2.0 Plaxo Pulse... WikiEducator...

plaxo beta

eCards | Me

Pulse People Calendar My Profile

Find people, Pulse s

Connections Address Book Groups Tools

« Back

Welcome to the E-learning group x

Share

- Message
- Link
- Video
- Photos new
- Poll
- Review

Actions

- Group Profile
- Members

E-learning

Description

Group for all educational professionals who want to take or have taken the next step in learning-effectiveness.

Web Address

http://e-learning.plaxogroups.com

Tags

e-learning, learning, coaching, online, individual, group, path, blended

http://www.plaxo.com

Members

view all

Eleonora

Emmanuel

Rich

Helga

Jose

Jean-Philip...

Mischa

Ads

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Ont
Get
you
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Aut
Auto
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Blog

Quic
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www

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Steph...
Google Reader (100+)
Calendar
Edu-RSS 0.2 Feeds ~...
Facebook | ...
Classroom ...
Plaxo Pulse ...
WikiEduca...
Google Groups
stephen@downes.ca | My Groups | Favorites | Profile | Help | My Account | Sign out
WikiEducator
Search this group
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New since last time: 845 messages, 162 members
Discussions 8 of 1526 messages view all »
+ new post
When generating a PDF
By Declan - 7:08am - 3 authors - 8 replies
Open Web Conference Vancouver April 2008
By Peter - Apr 5 - 1 author - 0 replies
The best proven way to get Financial Aid!
By university - Apr 5 - 2 authors - 2 replies
Elsevier
By Nadia - Apr 4 - 3 authors - 3 replies
Image histories
By Leigh Blackall - Apr 4 - 2 authors - 2 replies
{{Sustainable Otago}} Pangea day (well: Pangea predawn)
By Leigh Blackall - Apr 3 - 1 author - 0 replies
International accredited OER based university
By Leigh Blackall - Apr 2 - 7 authors - 23 replies
MIT, Elsevier Offer Free Content From More Than 2,000 Journals
Home
Discussions
Members
Pages
Files
About this group
Edit my membership
Invite members
Group info
Members: 315
Activity: Low activity
Language: English
Group categories:
Society > Education
More group info »
http://groups.google.com
Done

Communities of learners, where they need to learn

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IBM Worldwide

http://www-05.ibm.com/cz/events/power6/pdf/Ton_Engbersen_Trends_in_microelectronics.pdf

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Learning Within a Digital Community

e physical classroom will be recreated in a virtual form utilizing 3D visualizatio and Web 2.0 technologies to create an accessible digital learning community

Learning 0.0: The Classroom

Peer to Peer
Networking and community building
Synchronous
Time consuming and costly

Learning 1.0: e-learning

- Individualized learning
- Distributed teams
- Wealth of information
- Self-Paced Learning (SPL)
- *Isolated from community*
- Low effectiveness

Learning 2.0: Virtual Classroom & CoP

- Collaborative learning
- Distributed teams
- Peer to peer social repartee
- Engaging interface
- Wealth of information
- "Realistic" simulation of business situations

IBM Communities

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company command

Calendar | Edu-RSS 0.2 Feeds ~... | Welcome to Stephen'... | Main Page - EduTech... | YouTube - Yes We C...

ook | The New ... | Google Calendar | NewCC Entry | ibm learning communi...

CompanyCommand

Building Combat-Ready Teams

Welcome to the CompanyCommand Forum

ENTER

HERE

If you are not a member, you must first JOIN HERE.

Membership is restricted to current, future, and past company commanders

★★★★★★★★★★★★★★★★★★★★★★★★★★★★

Welcome to your professional forum! CC IS company commanders. We are a grass-roots, voluntary forum that is **by** and **for** the profession with a specific, laser-beam focus on company-level command. By joining, you are gaining access to an amazing community of professionals who love Soldiers and are committed to building combat-ready teams.

★★★★★★★★★★★★★★★★★★★★★★★★★★★★

Our website has been upgraded to better meet your needs and now utilizes Army Knowledge Online (AKO) single sign-on logons. AKO

- Need an AKO account? Visit the Army Homepage and sign up for one. If you serve in another branch of service, you need to obtain an Army sponsor.
- Problems? Email us at coomd.team@us.army.mil
- Having trouble logging on? Clear your browser's cookies, close the browser, and try again.

http://companycommand.army.mil/

Find: macbook | Next | Previous | Highlight all | Match case

Done

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POLICE
SPECIAL WEAPONS AND TACTICS
SWAT4
GOLD EDITION
SWAT 4 GOLD EDITION AVAILABLE NOW
SWAT4
SPECIAL WEAPONS AND TACTICS
ABOUT THE GAME
NEWS
SIGNUP
COMMUNITY
NEWS FEED: SWAT 4 EXPANSION WINS
BUY OR DOWNLOAD
INSTANT DOWNLOAD OR

Second Life Communities

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the edublog awards
the edublog awards
Edublog Awards

The new technology - even games - supports learning by supporting community

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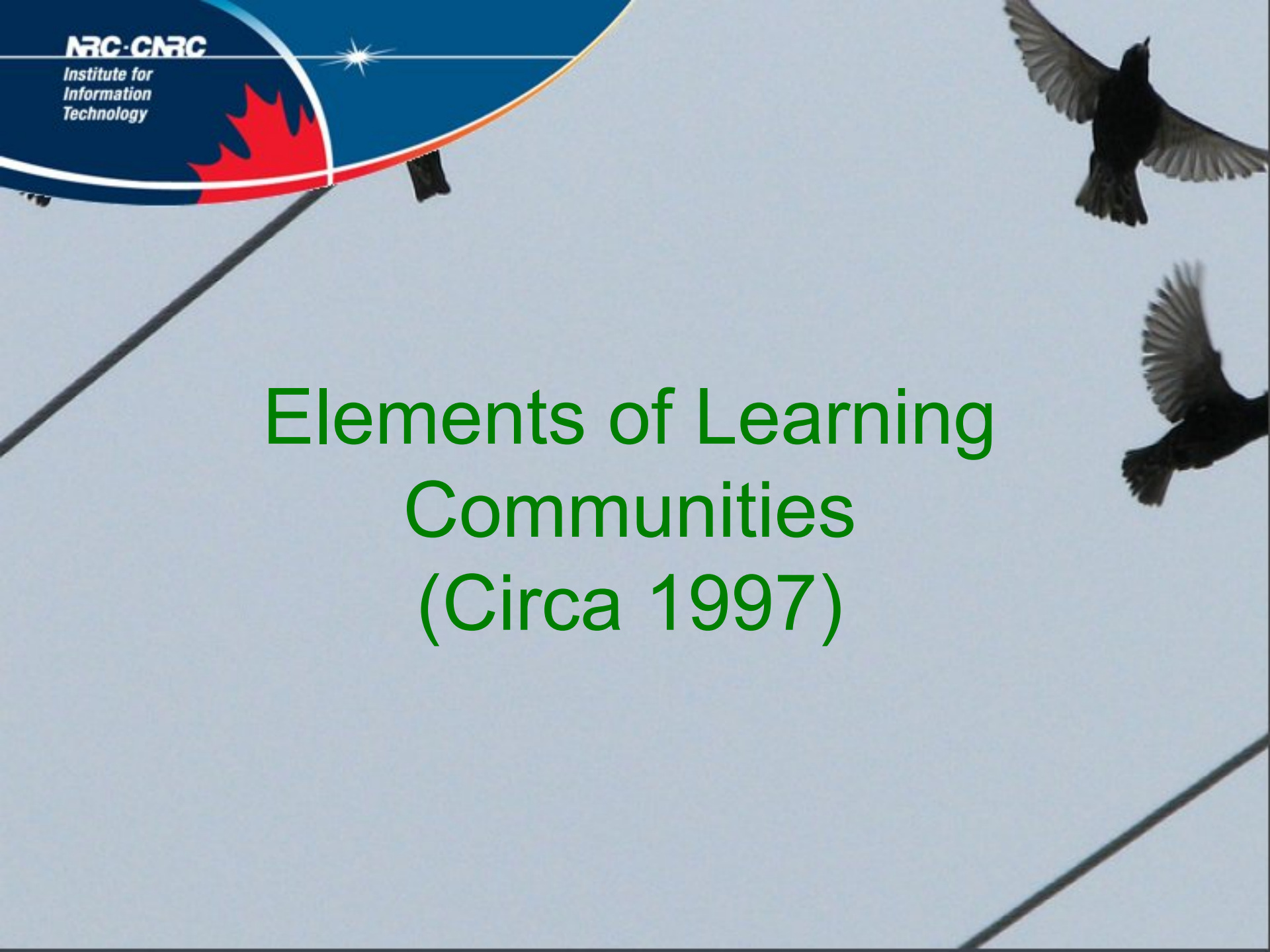
Learning Communities

Photo: Joyce Valenza and Dave Thomson. Photo by Ewan McIntosh
http://www.flickr.com/photos/edublogger/840478703/



Elements of Learning Communities (Circa 1997)

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Sense of shared purpose

Pam Vesely, Lisa Bloom and John Sherlock

Key Elements of Building Online Community: Comparing Faculty and Student Perceptions

http://jolt.merlot.org/vol3no3/vesely.htm

Photo: Frederick Noronha

http://www.flickr.com/photos/fn-goa/236214205/

Photo: Loungerie http://www.flickr.com/photos/loungerie/827362903/

Establishment of boundaries defining who is a member and who is not

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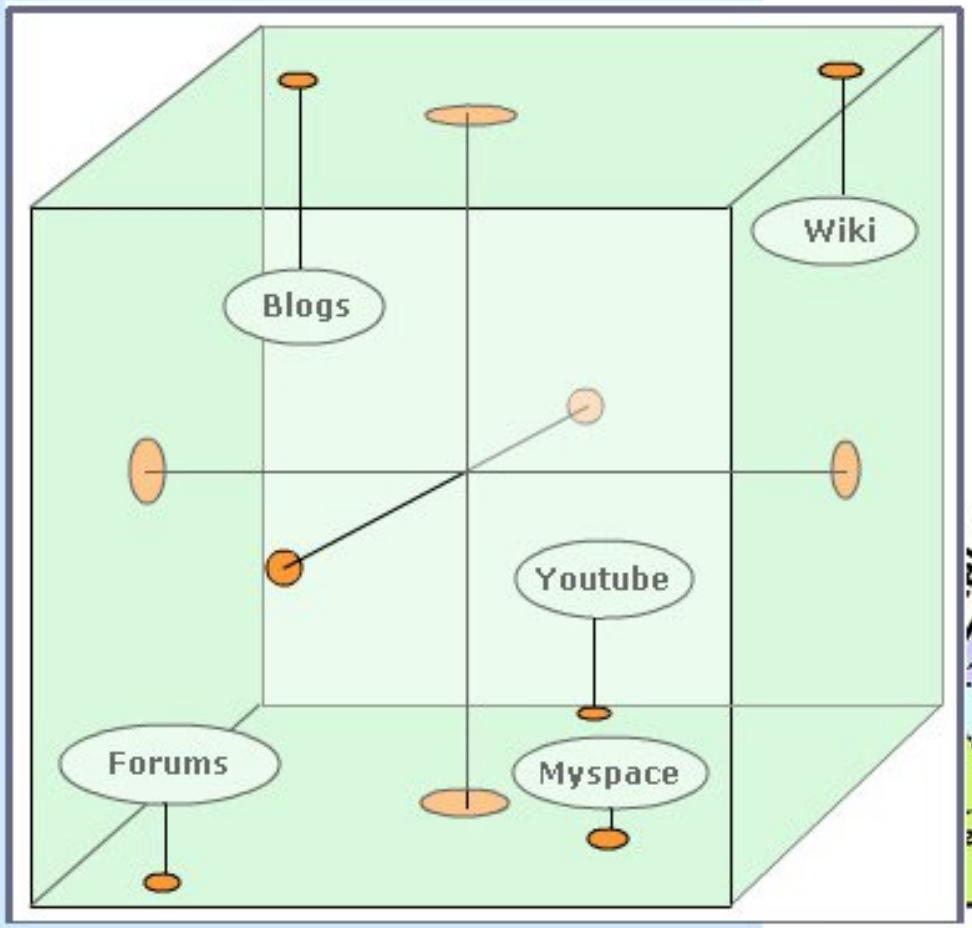
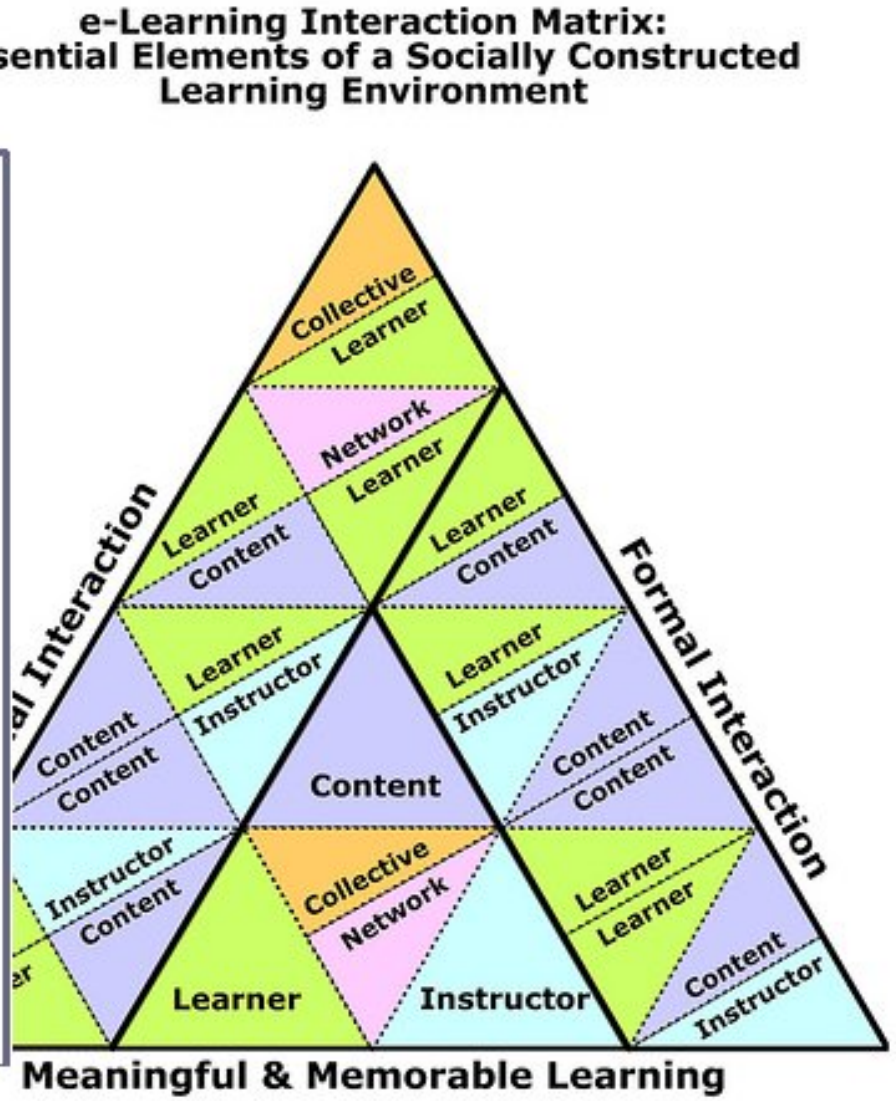
Establishment and enforcement of rules and policies

Photo: ClintJCL http://www.flickr.com/photos/clintjcl/375585107/





Interaction among members

Photo: Jason Rhodes http://www.flickr.com/photos/jrhode/2040911590

2007 Jason Rhode

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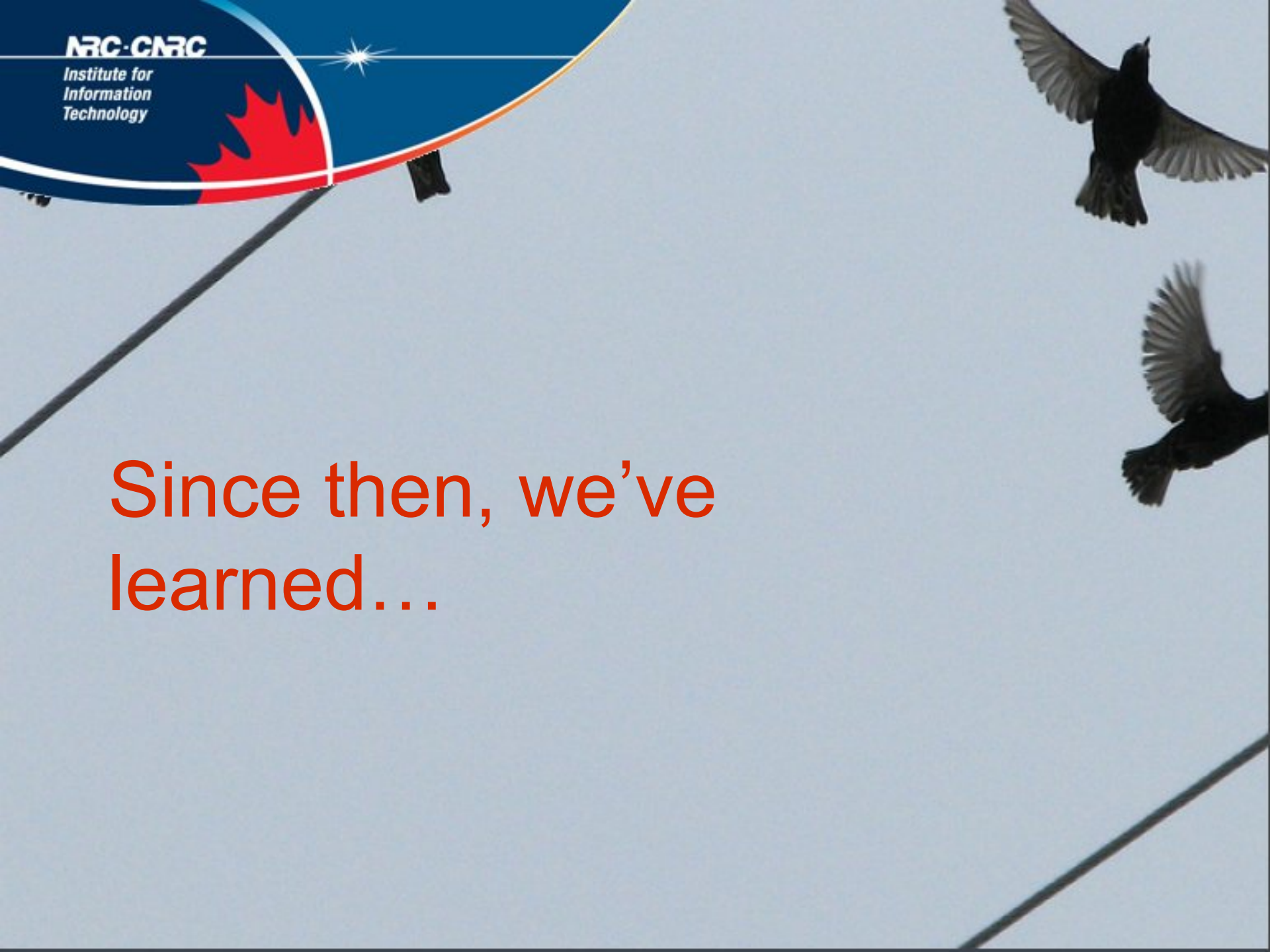
Trust, respect and support

Photo: Nina Jean http://www.flickr.com/photos/nicasaurusrex/777759933/

Group identity

Misanchuk and Anderson
http://www.mtsu.edu/~itconf/proceed01/19.html



Since then, we've learned…

Online communities are not as united as supposed…

Photo: Harold Jarche http://www.jarche.com/?p=1525

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We don't want our classrooms to be like classrooms…

Photo: lnx http://www.flickr.com/photos/lnx/6257130/

Far from it…

The challenge for educators across the nation has become how to design and develop a teacher corps and a school structure that allows for a school that operates in a completely different manner than the classrooms we experienced in our own education. - Sammon 2000, 2. http://www.stanford.edu/group/cubberley/node/2383

Photo: Georgie Sharp http://www.flickr.com/photos/georgiesharp/1180689591/

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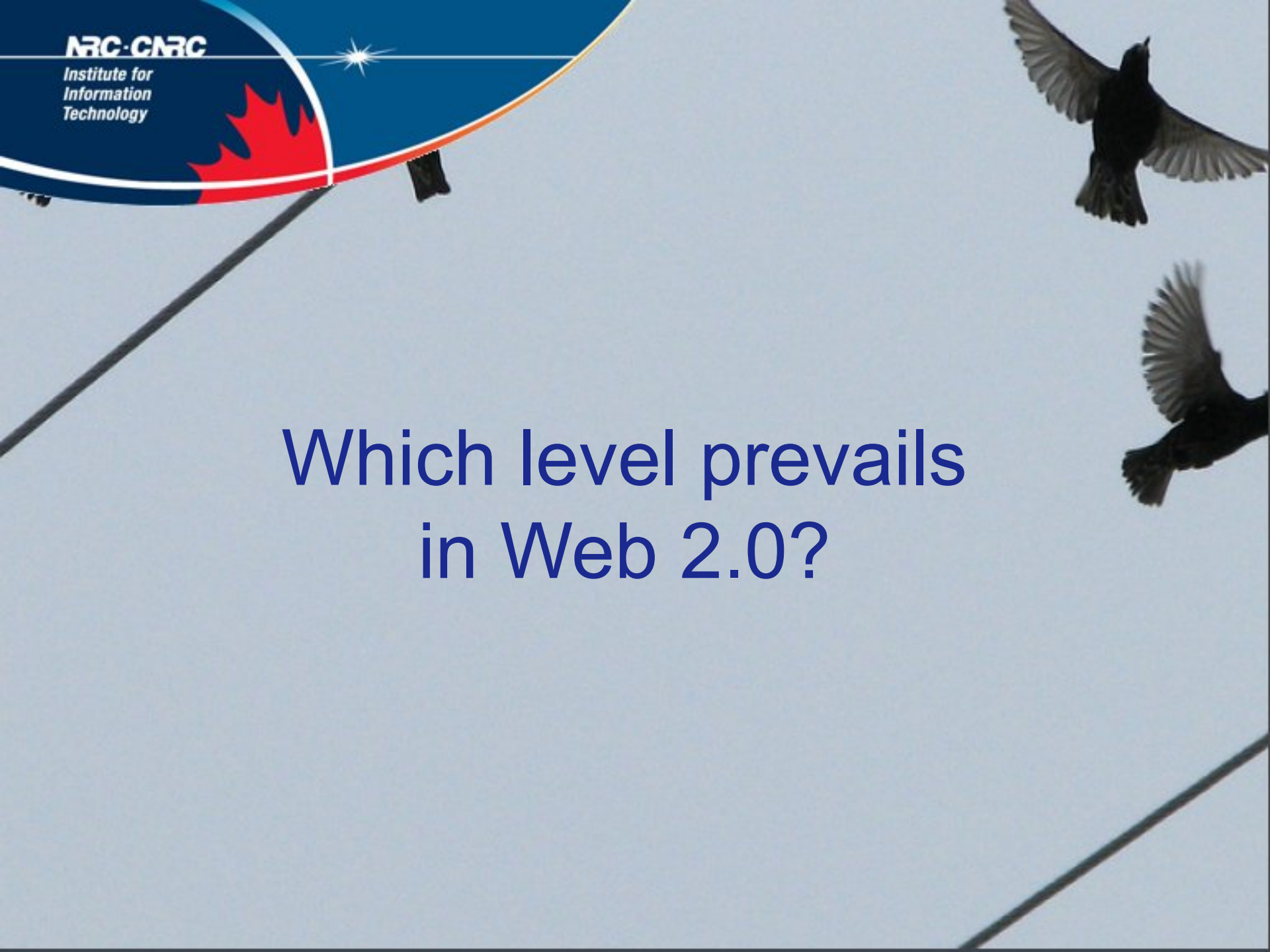
Different levels of interaction:

- Communication - individualism
- Cooperation - mesh, or network
- Collaboration - unity, or whole

Misanchuk and Anderson http://www.mtsu.edu/~itconf/proceed01/19.html



Which level prevails in Web 2.0?

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Learning in a Mesh

Collaborative Cooperative

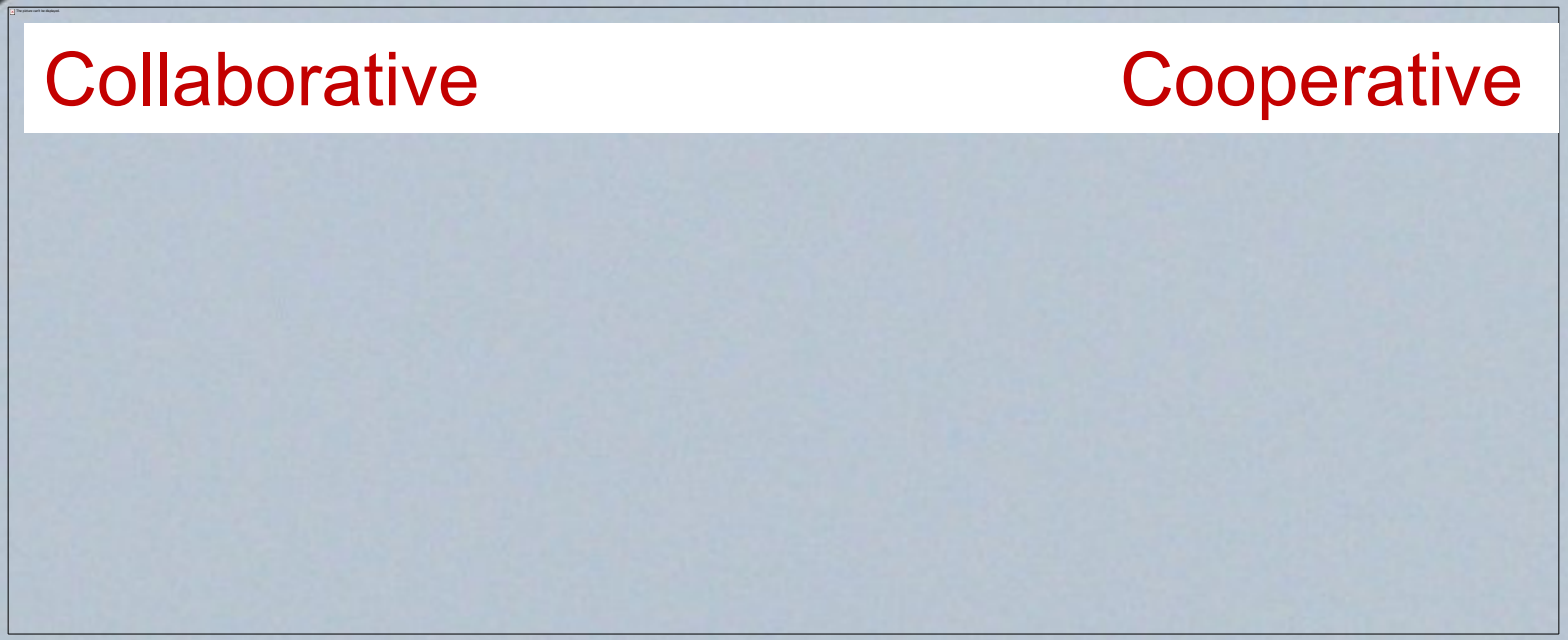

Image: Noakes http://kolea.kcc.hawaii.edu/tcc/tcon99/papers/noakes.html

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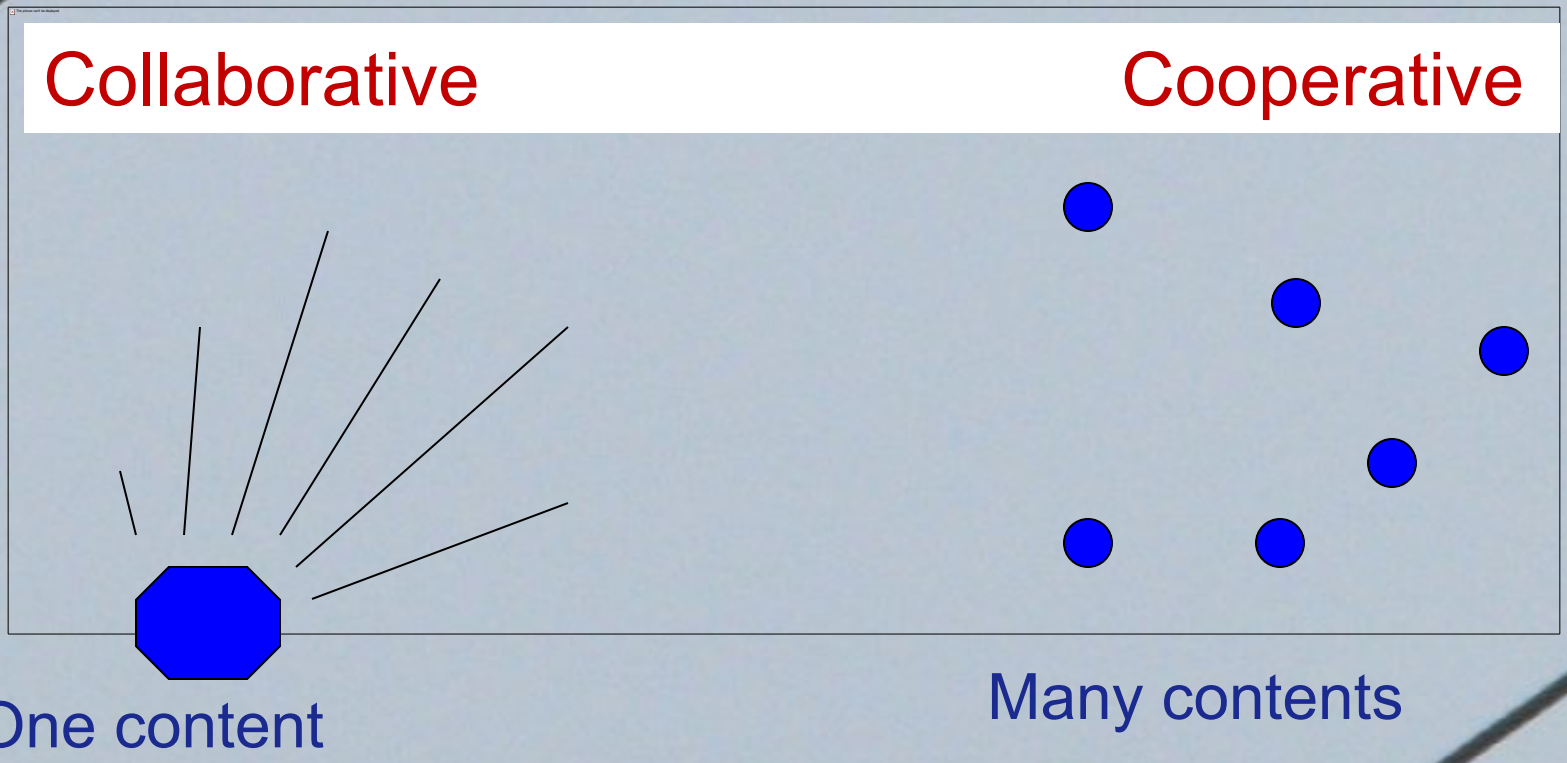
Learning in a Mesh



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Interacting in the Network

Marc Canter http://blog.broadbandmechanics.com/2008/03/how-to-build-the-mesh-1-id-social-graphs-and-groups

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Interactive Content

Marc Canter http://blog.broadbandmechanics.com/2008/04/how-to-build-the-mesh-2-persistent-ubiquitous-content

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Personal Learning Environments

Scott Wilson http://thand.files.wordpress.com/2007/05/futurevle.jpg

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Personal Learning Landscape

Dave Tosh http://tesl-ej.org/ej34/m1.html

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PLE as Functions in Social Media

Mohamed Amine Chatti http://mohamedaminechatti.blogspot.com/2007/06/my-plepkm.html

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PLE as applications

Marianne http://mlxperience.blogspot.com/2007/11/my-personal-learning-environment-model.html

Essentials of Web 2.0

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User Generated Content

Content as *object*, not subject

Photo: Kbaird http://www.flickr.com/photos/kevlar/1152595430/

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Syndication

Photo: Orin Optiglot http://www.flickr.com/photos/orinrobertjohn/170352038/

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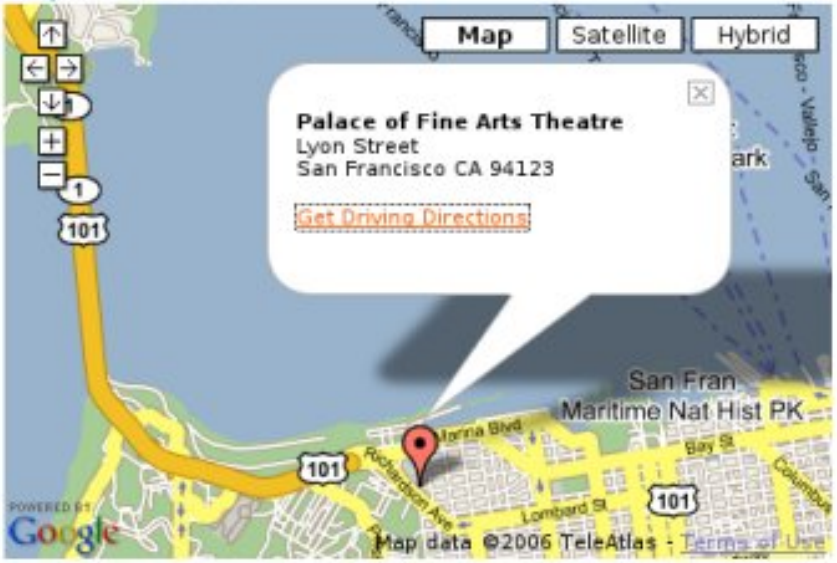
18 °C Fri Sep 15, 08:51:10

...e Future of Web Apps - Firefox

Software as a Service

...e 101. Take 101 North towards the Golden Gate Bridge. ...Ninth Street. Turn left after three blocks onto Hayes street. Continue on Hayes for three blocks and turn right onto Franklin street. Follow Franklin for approximately two miles to Lombard street and turn left. Follow Lombard for approximately 1⅔ miles until you see a green & "Palace of Fine Arts" highway sign on the right side of the road. Turn right at the sign - this is Lyon street. Go one block and turn left into the parking area.

Map of the Area



If you have any special requirements, just email gill@carsonworkshops.com

A fantastic Summit containing lessons learned from industry leaders
- Martin Graney

An inspiring day! Very impressed by all the speakers
- Chris Korhonen, American Express

Good mix of speakers with some great ideas. Very motivational!
- Simon R Jones, Studio 24

Brilliant, friendly and organised. Raising the bar for the industry
- Ed Dowding, communitysafe.org

A well-run, comprehensive and professional event
- Lee Harker, BBC

Last year's Summit was a sell-out success. Find out more here.

Contact

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Lisa Price

Registration queries
Gill Carson

Advertising and sponsorship

AJAX ~ REST ~ WSDL / SOAP etc etc

Photo: Peter Renshaw http://www.flickr.com/photos/bootload/243444537/

http://maps.google.com/maps?f=q&hl=en&q=Palace+of+Fine+Arts+Theatre,+Lyon+Street,+San+Francisco+CA+94123&ie=UTF8&om=1... Adblock

Carson Workshops Summit - The Future of Web Apps - Firefox

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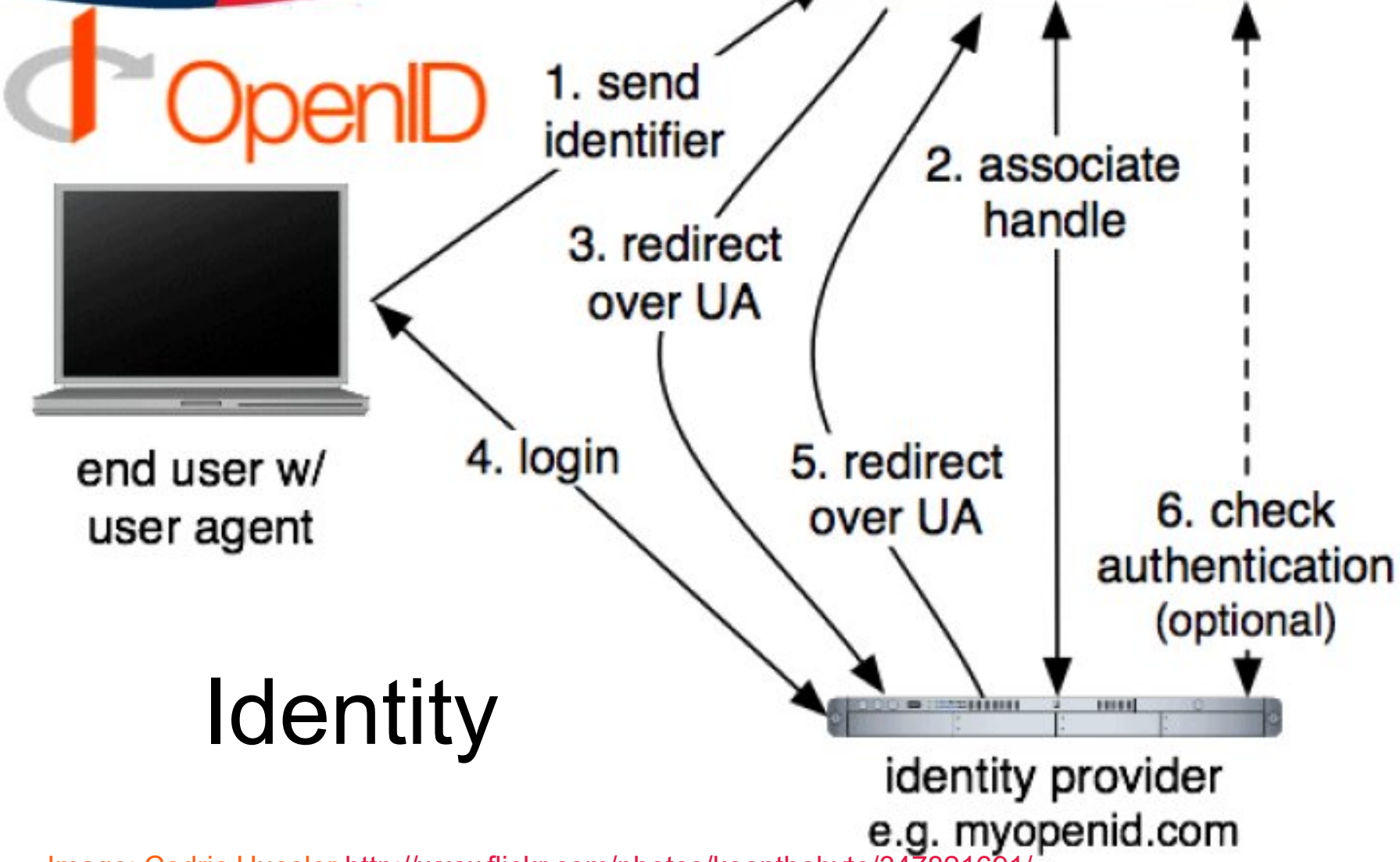
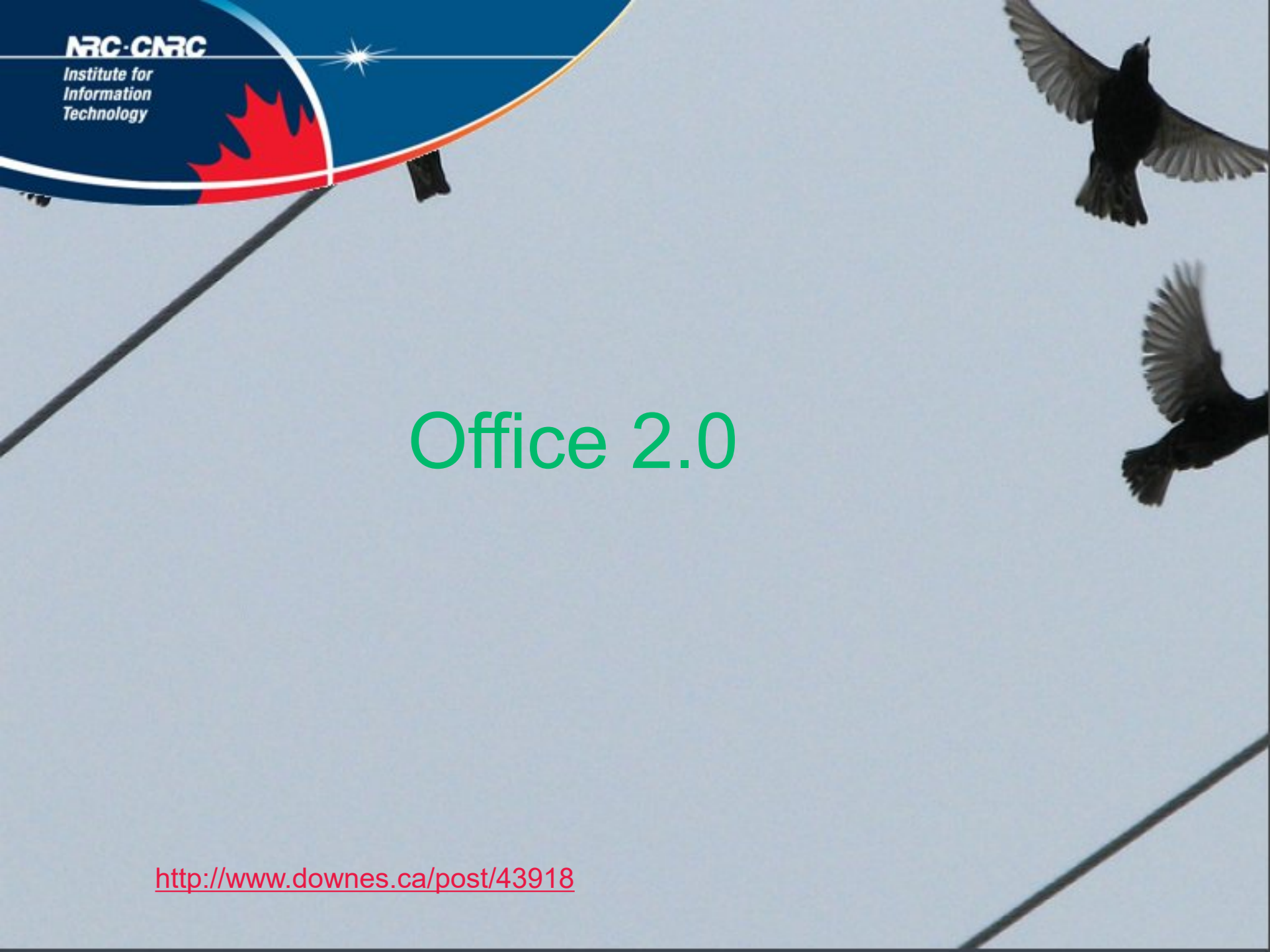


Identity

Image: Cedric Huesler http://www.flickr.com/photos/keepthebyte/347821691/



Office 2.0

http://www.downes.ca/post/43918

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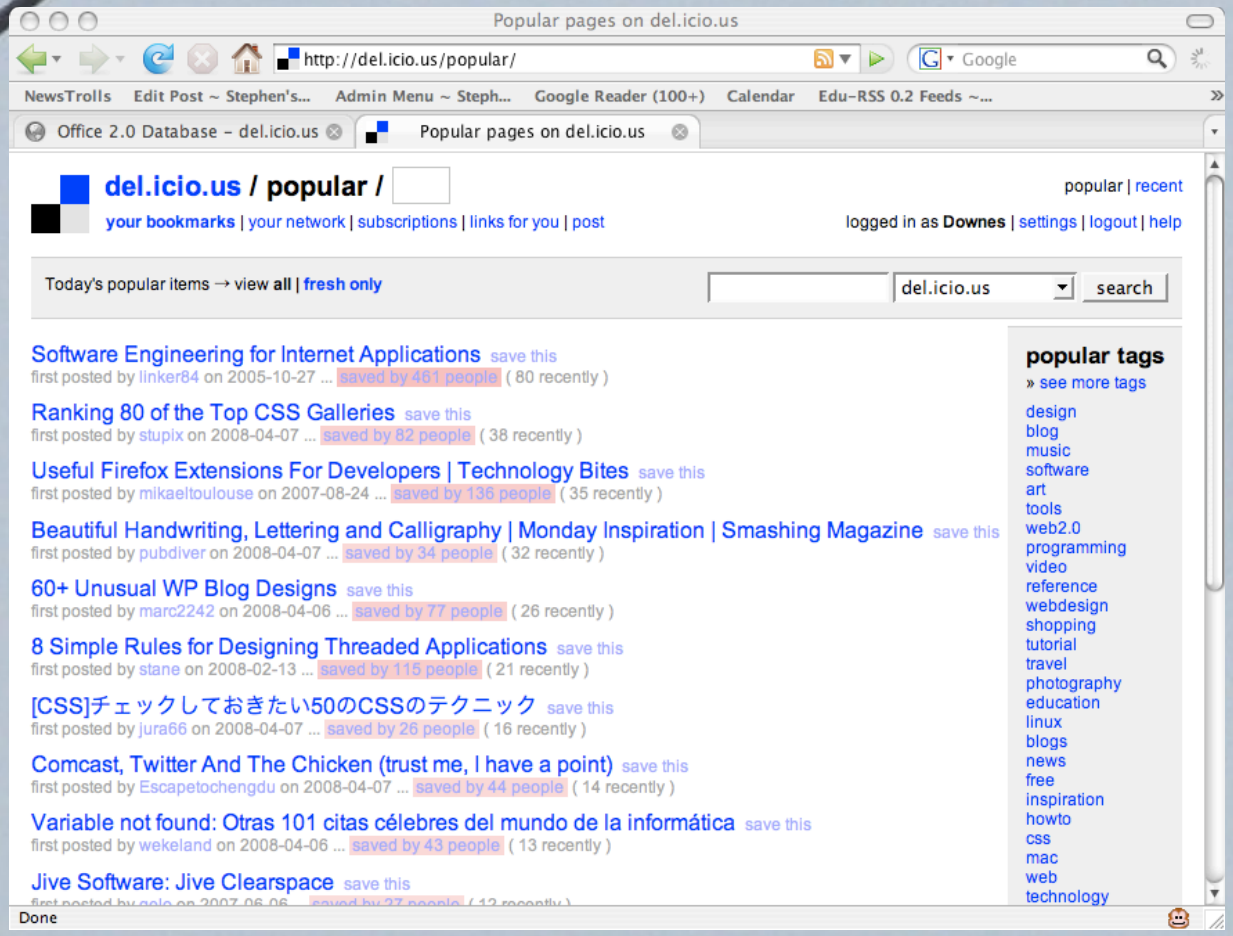

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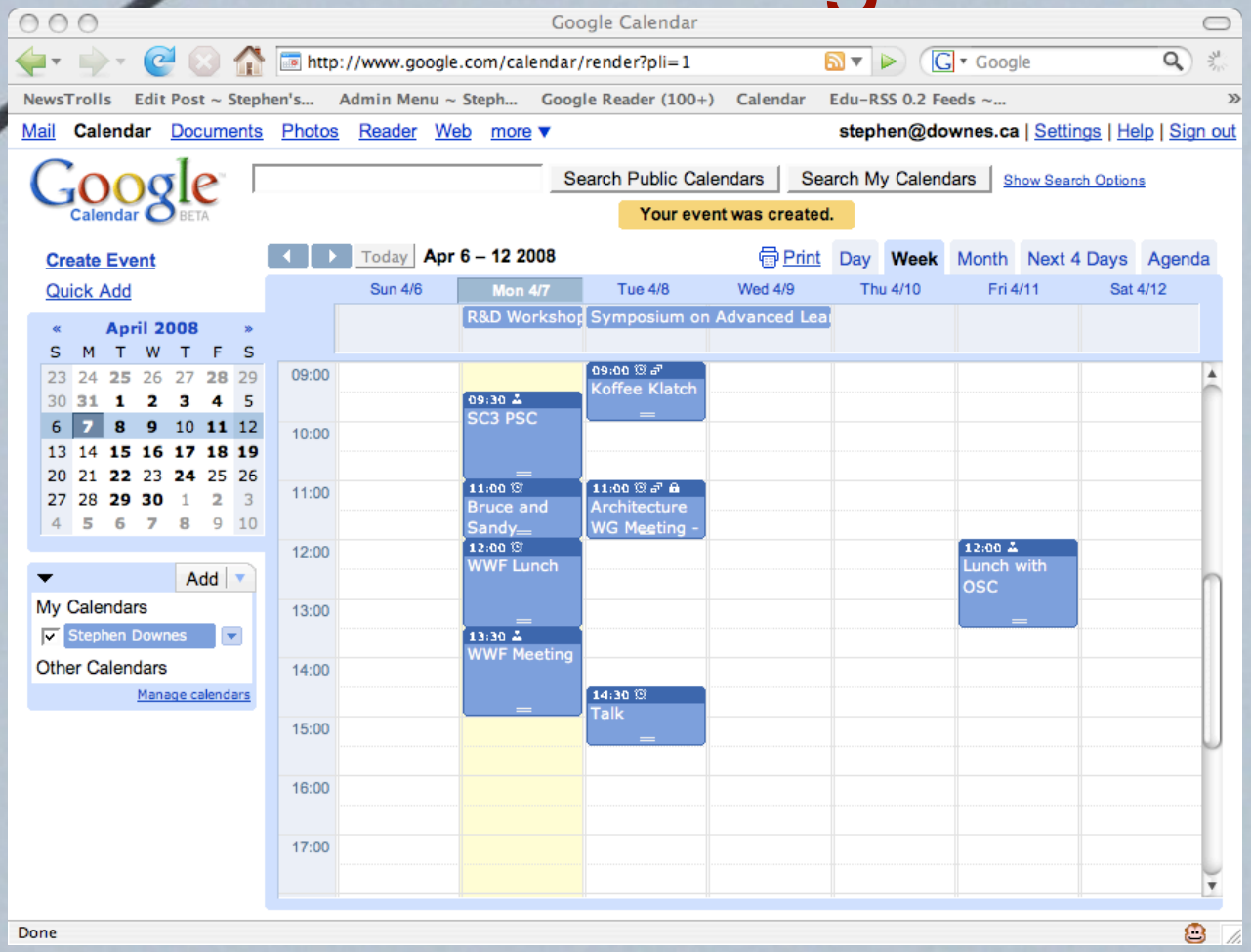
Calendar - Google calendar



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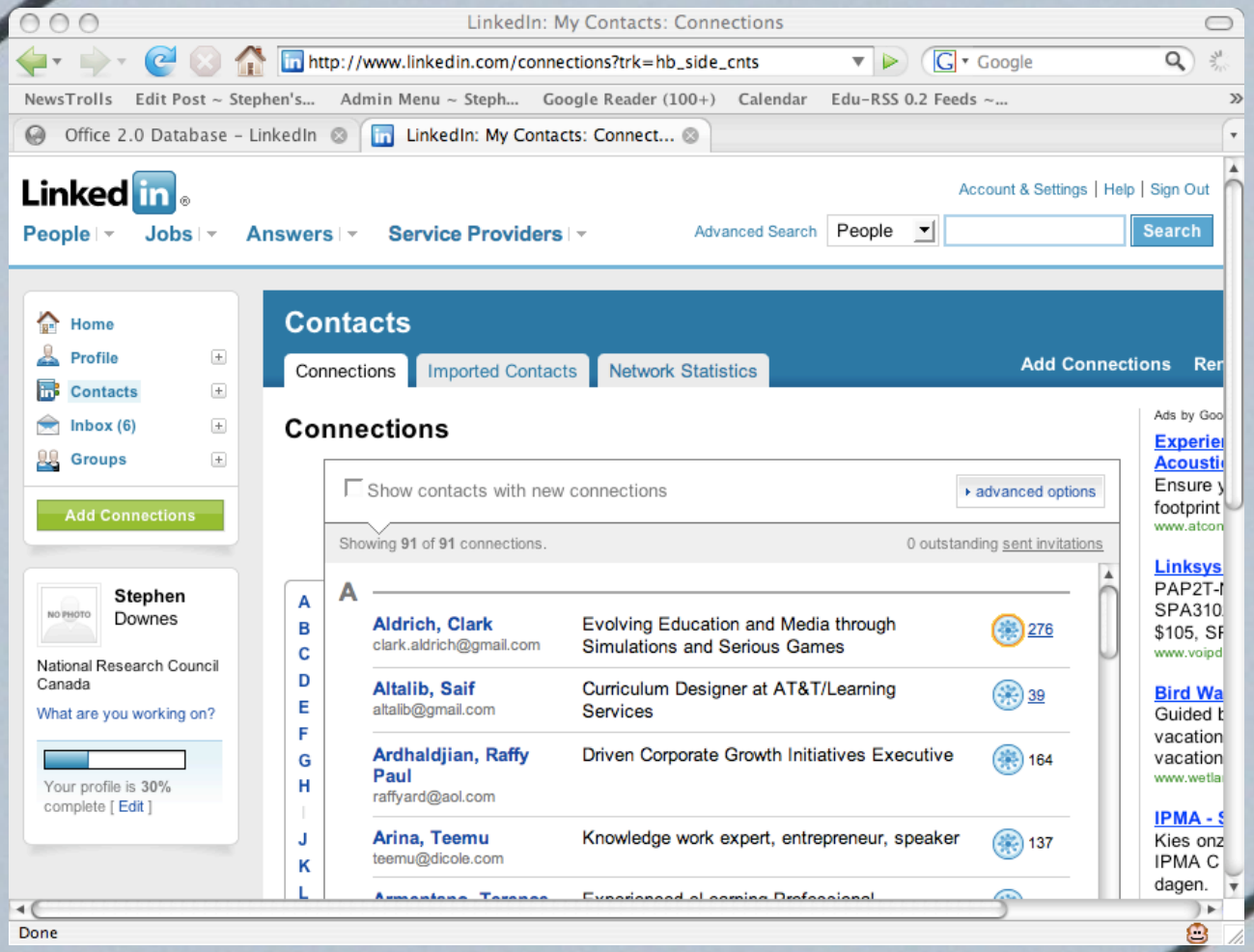
Contacts - LinkedIn



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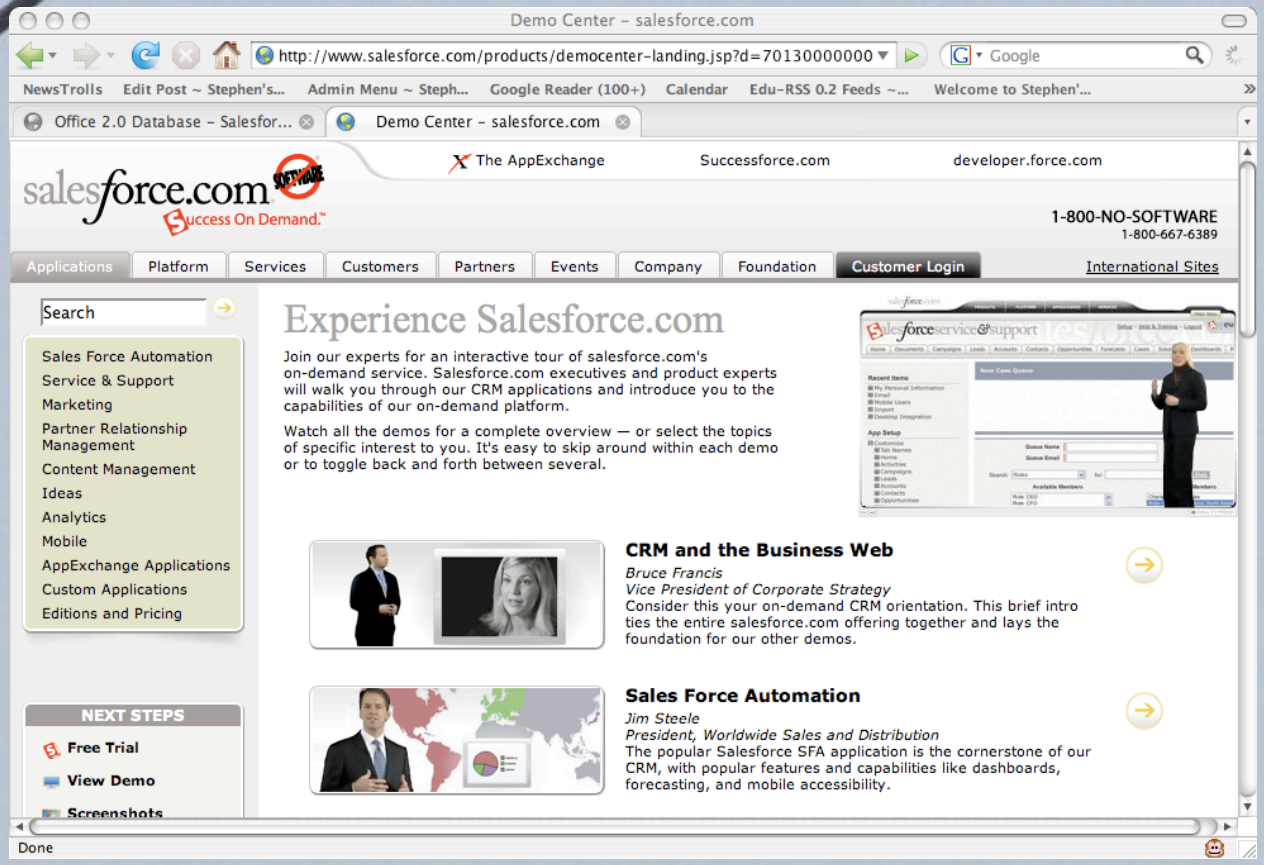
CRM - Salesforce



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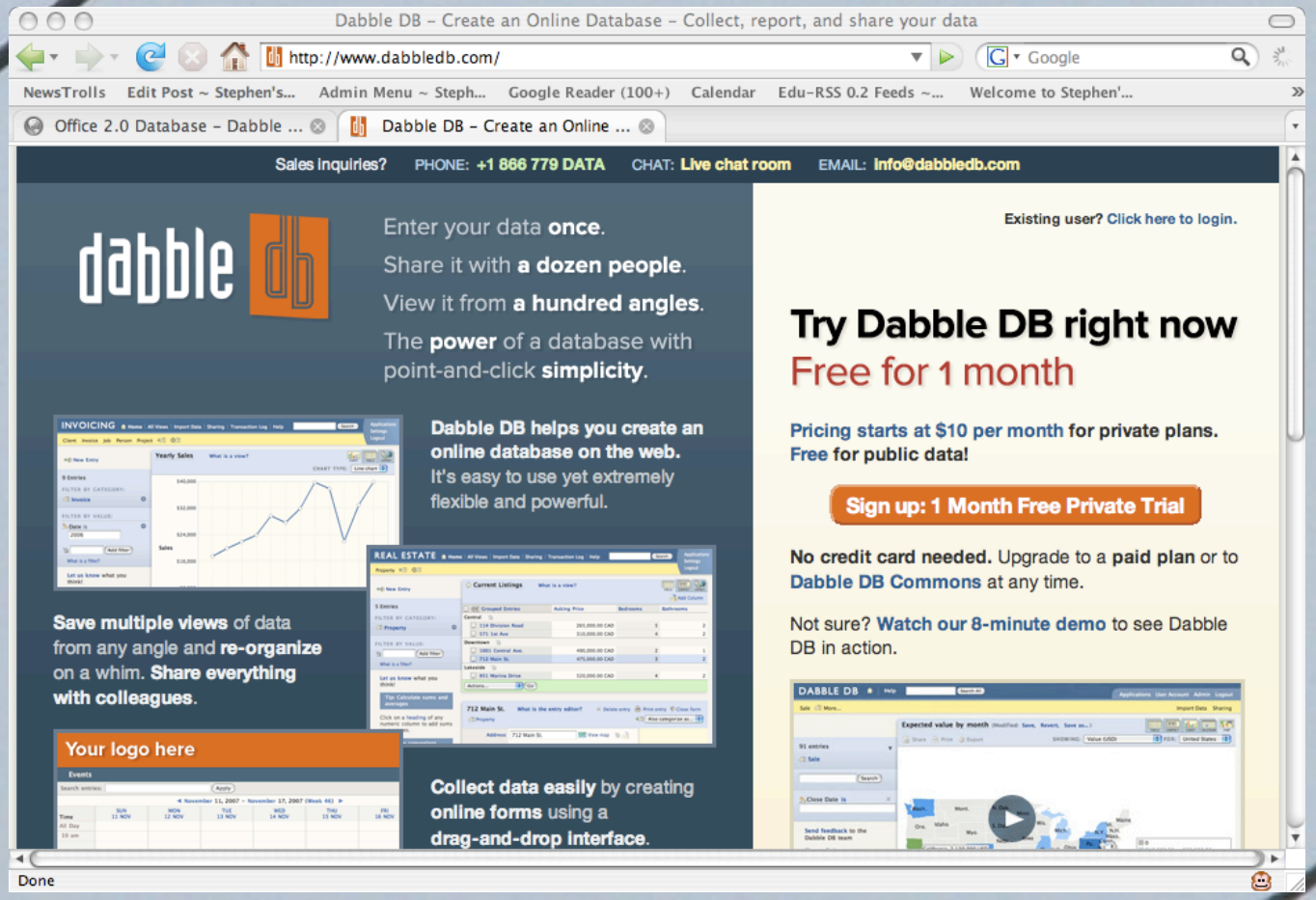
Database - Dabble



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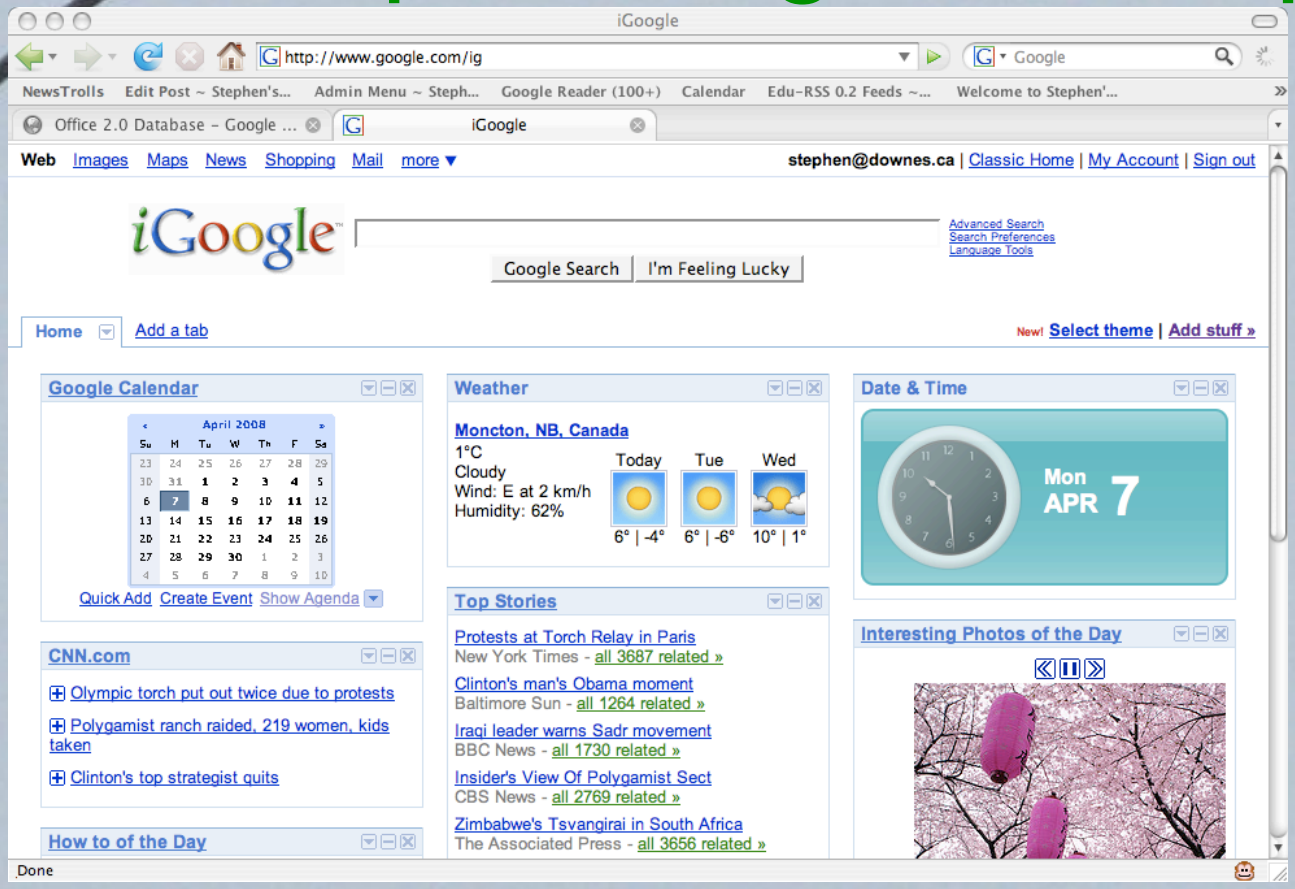
Desktop - Google Homepage



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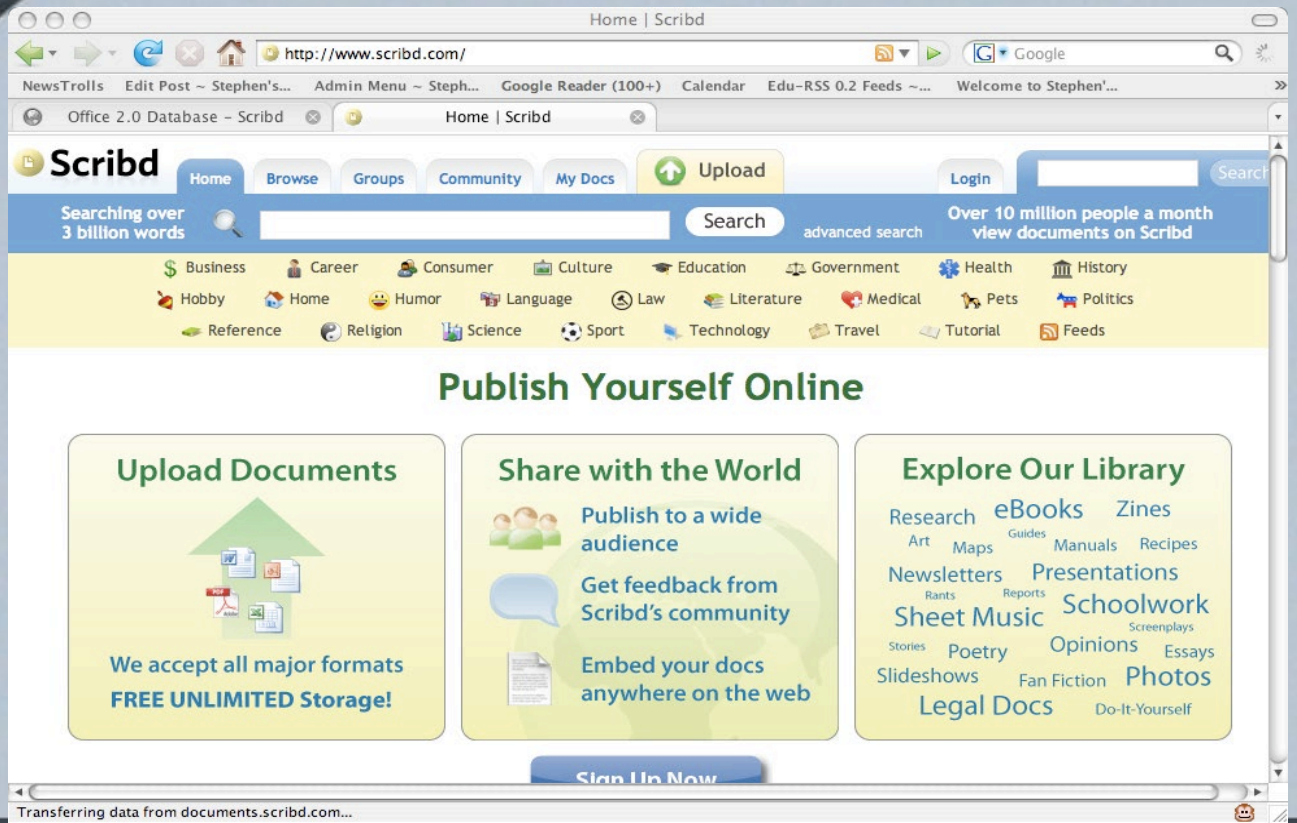
Document Management scribd



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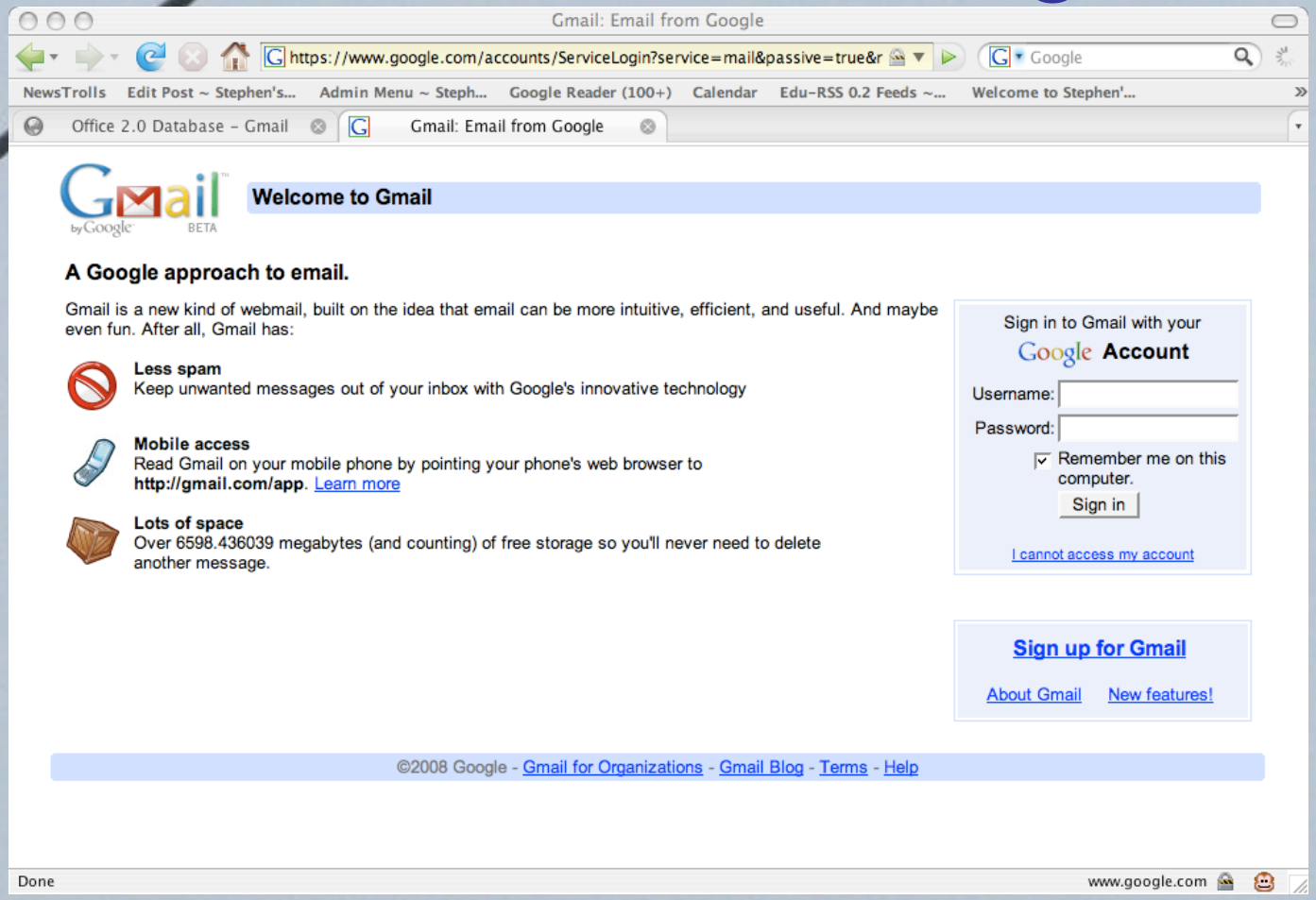
Email - Google Mail



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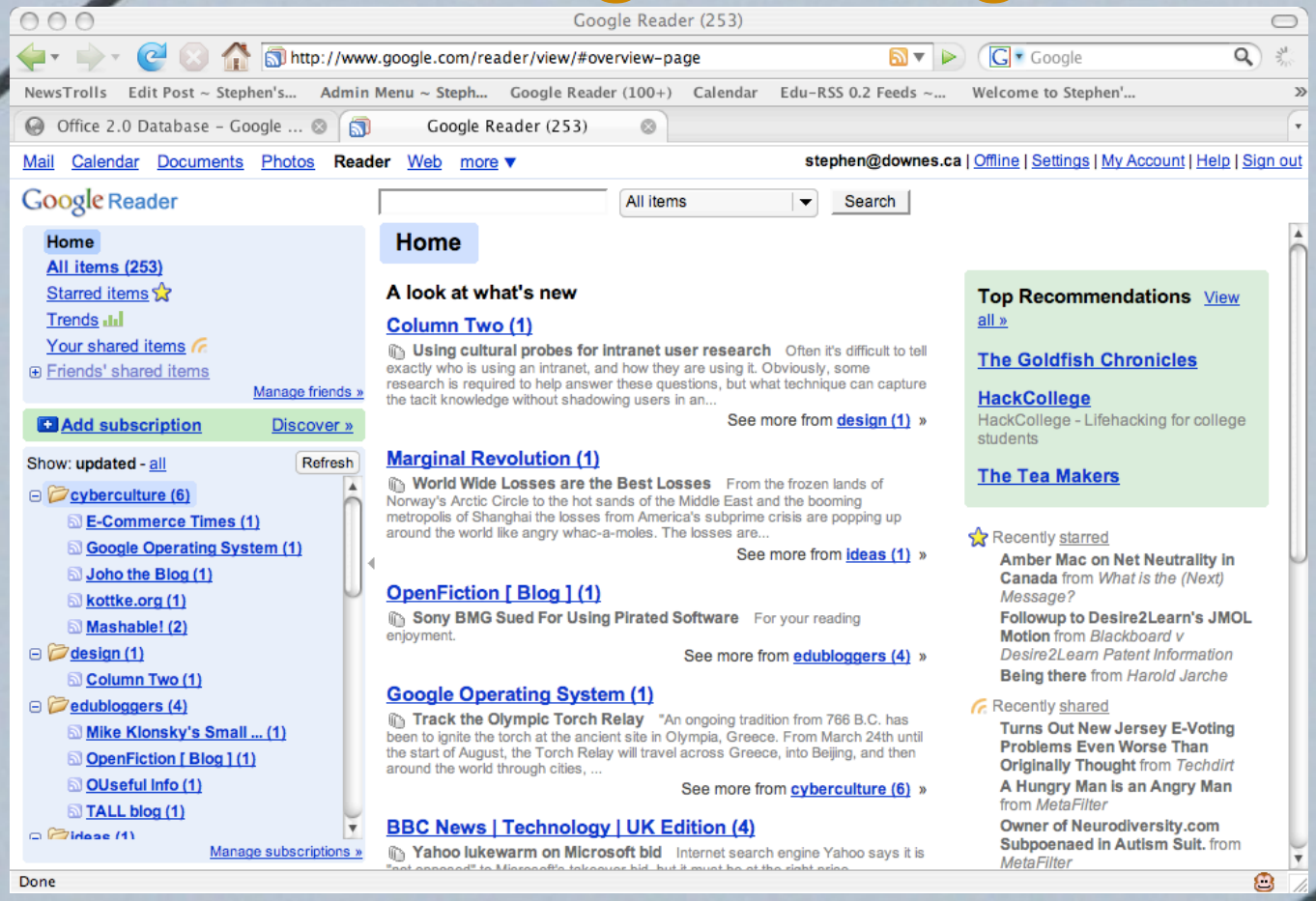
Feed Reading - Google Reader



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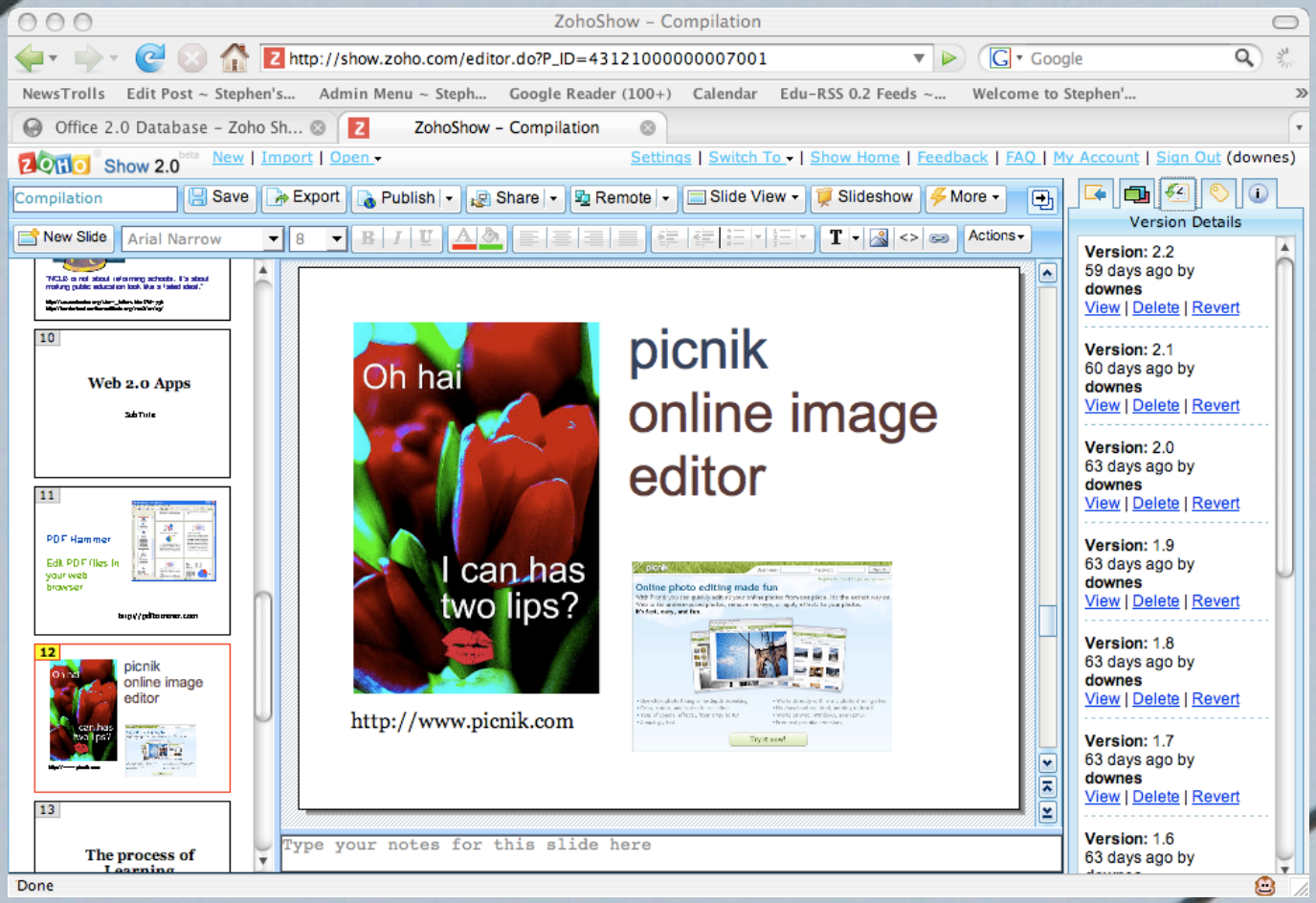

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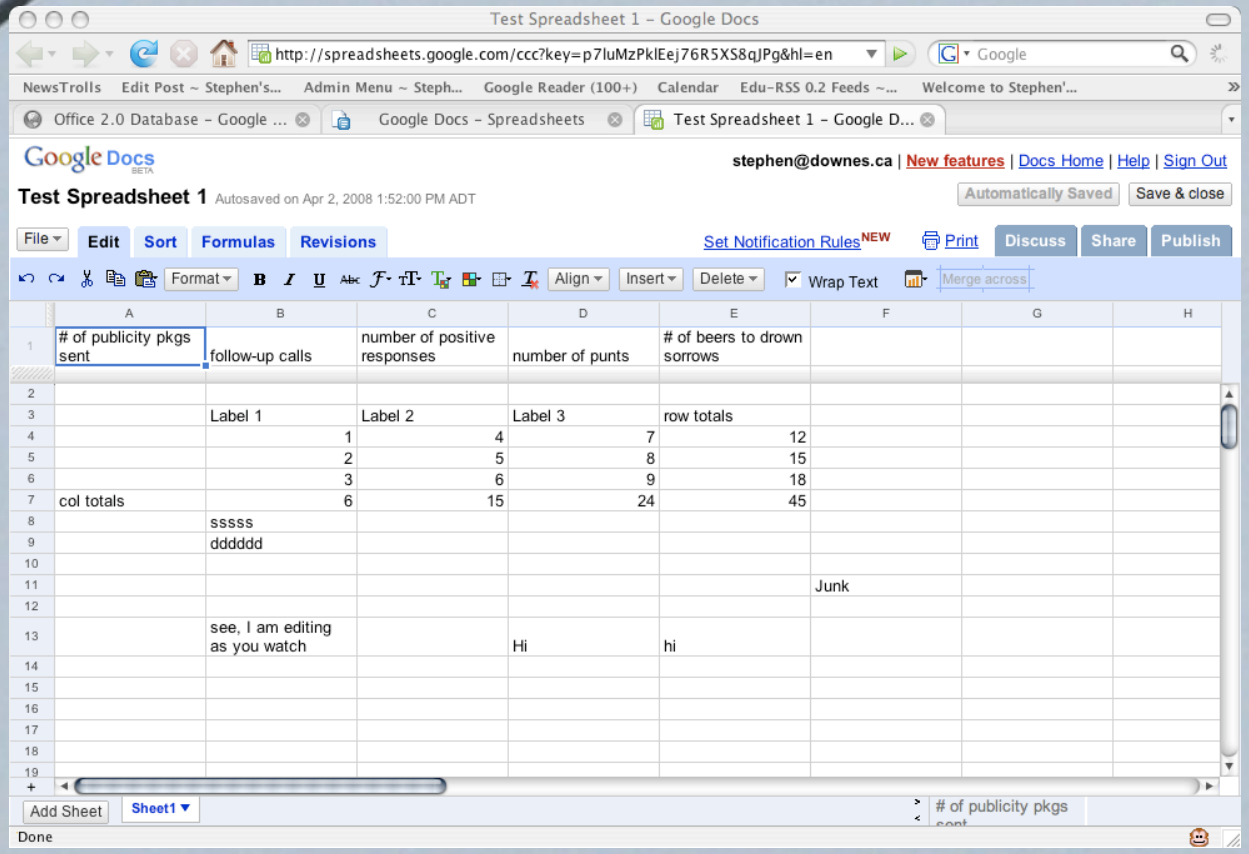

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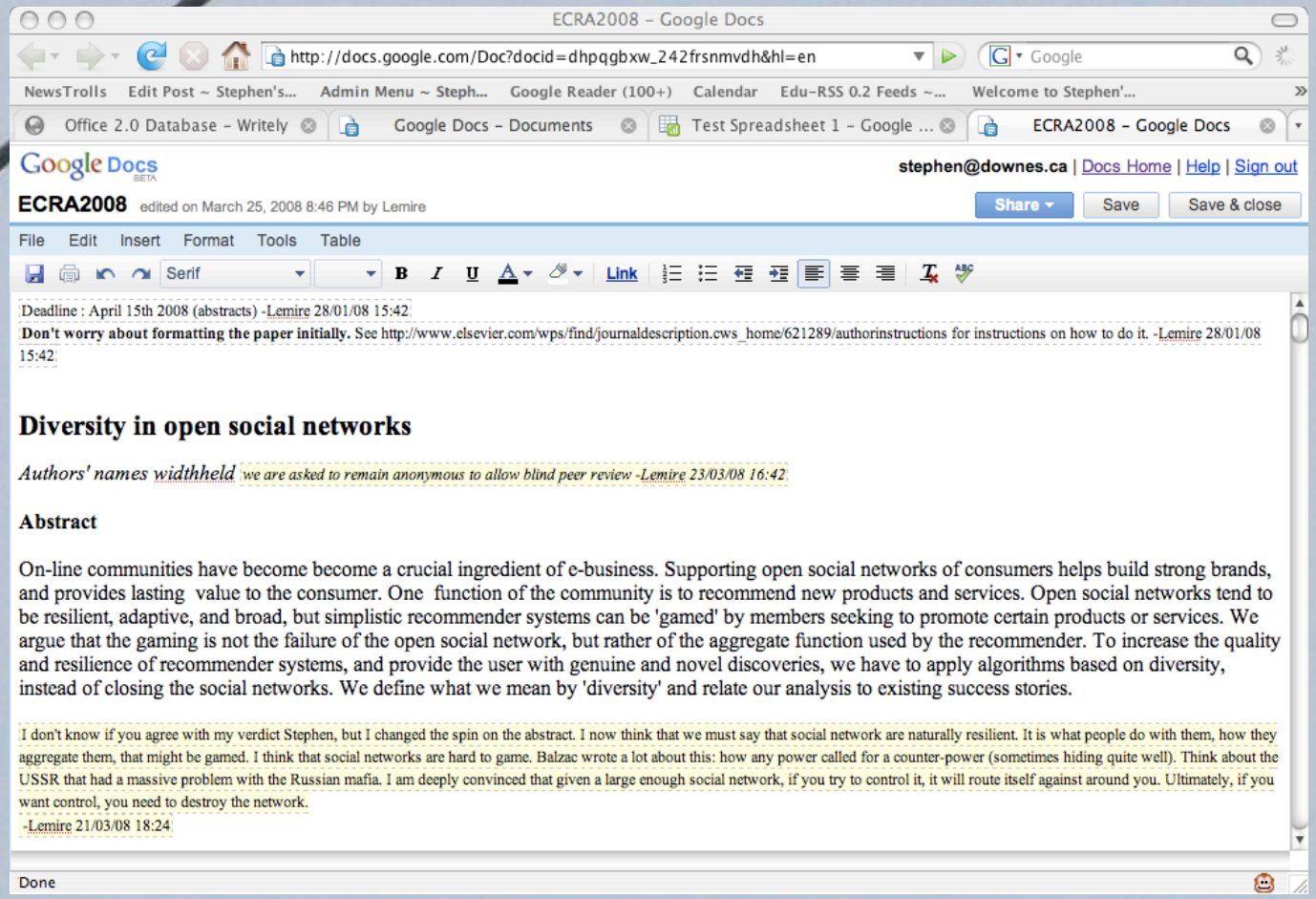
Documents - Google Docs



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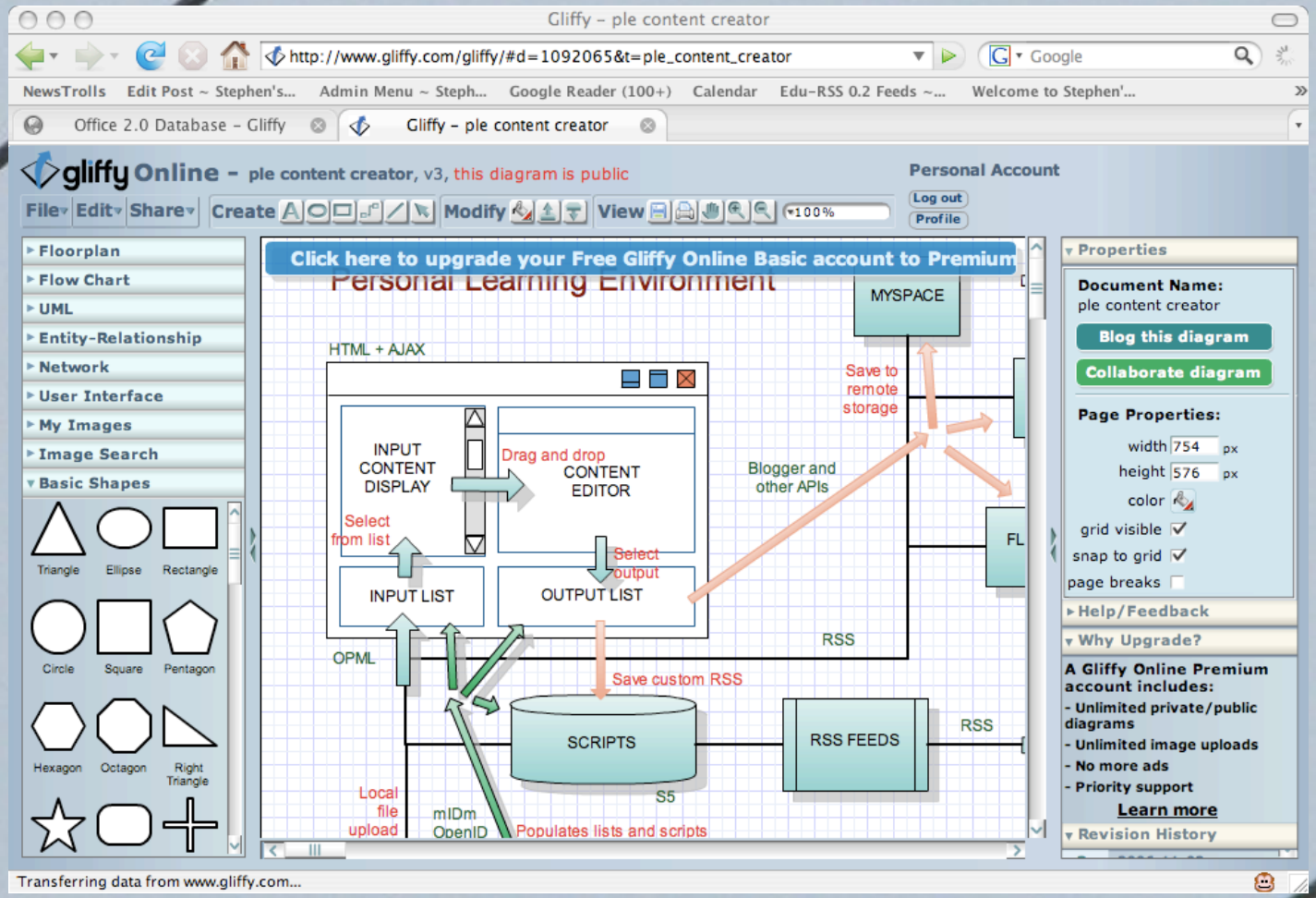
Drawing - Gliffy



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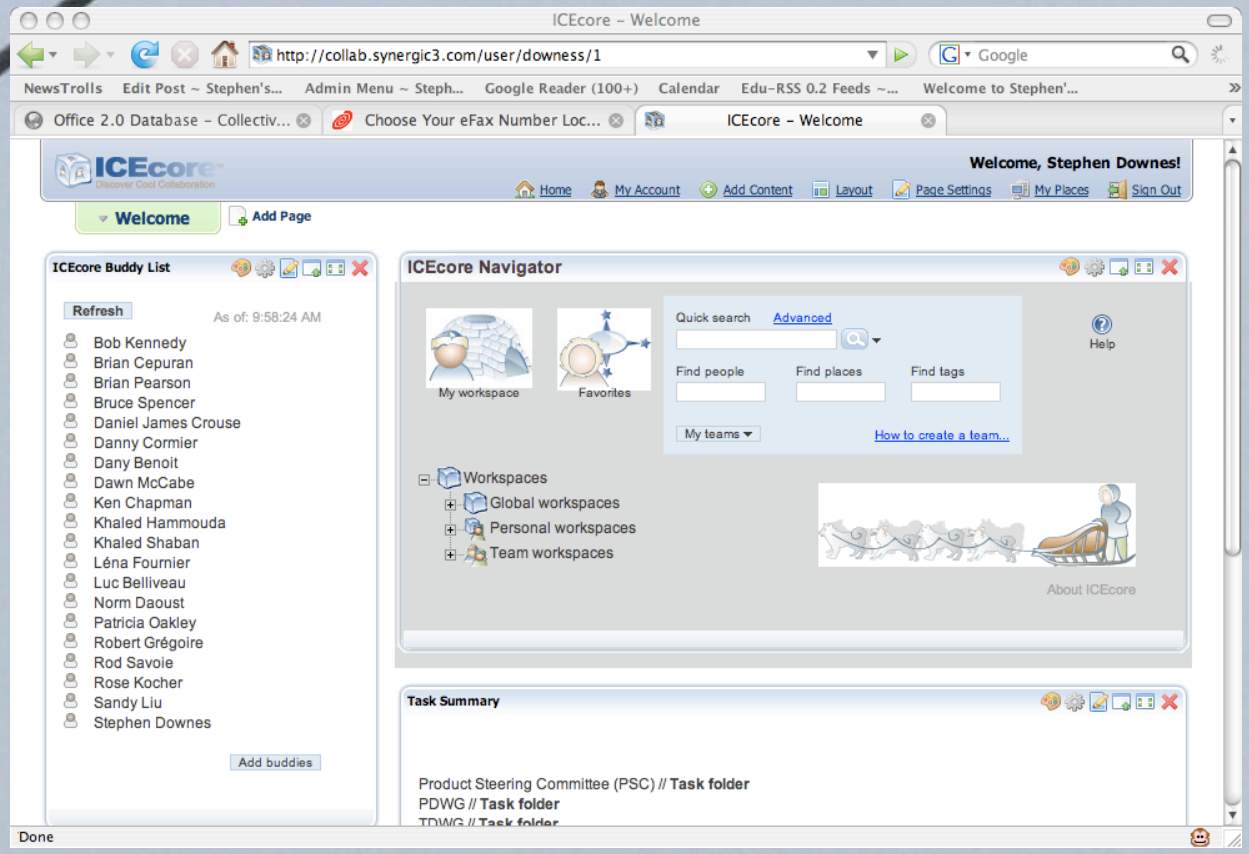
Group Management - Ice Core



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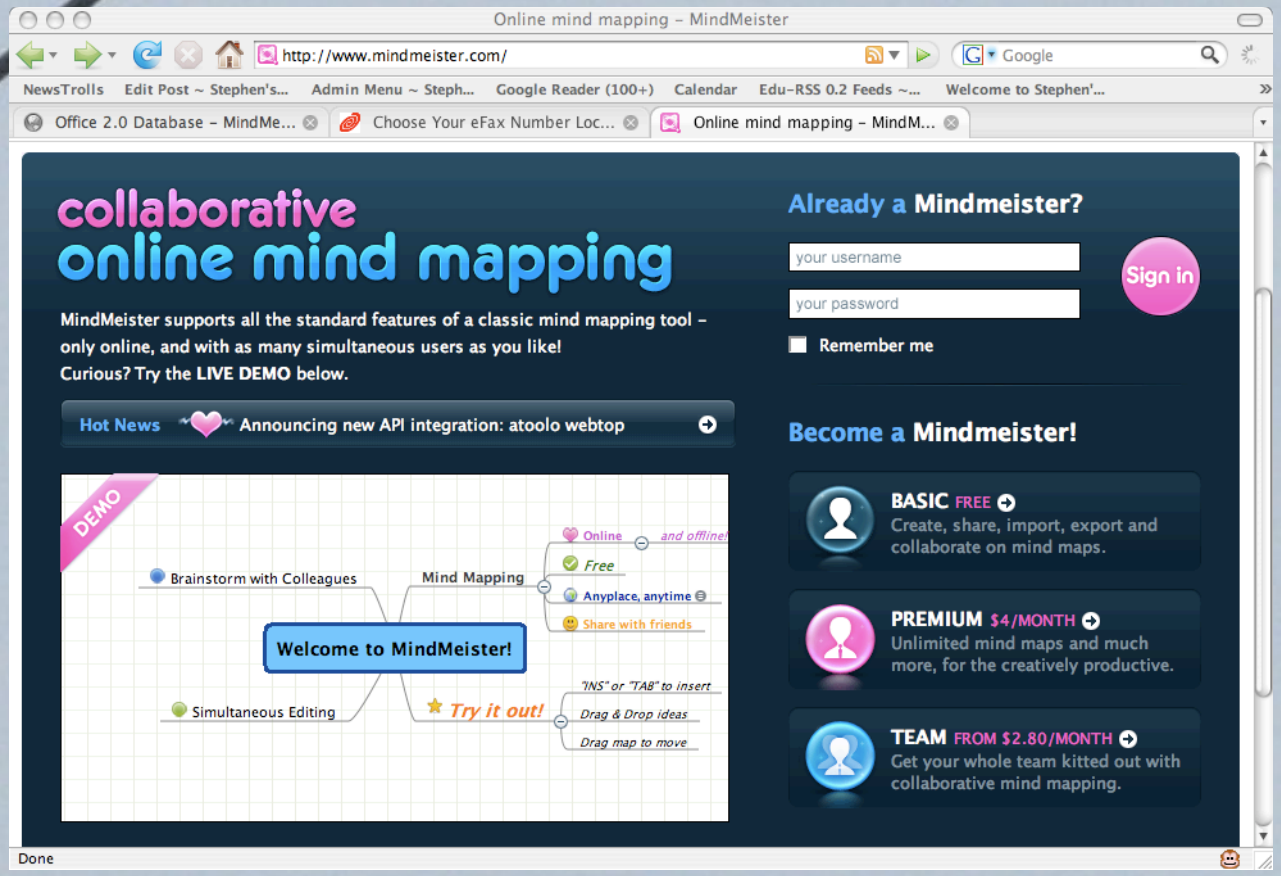

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Photo Editor - Picnik

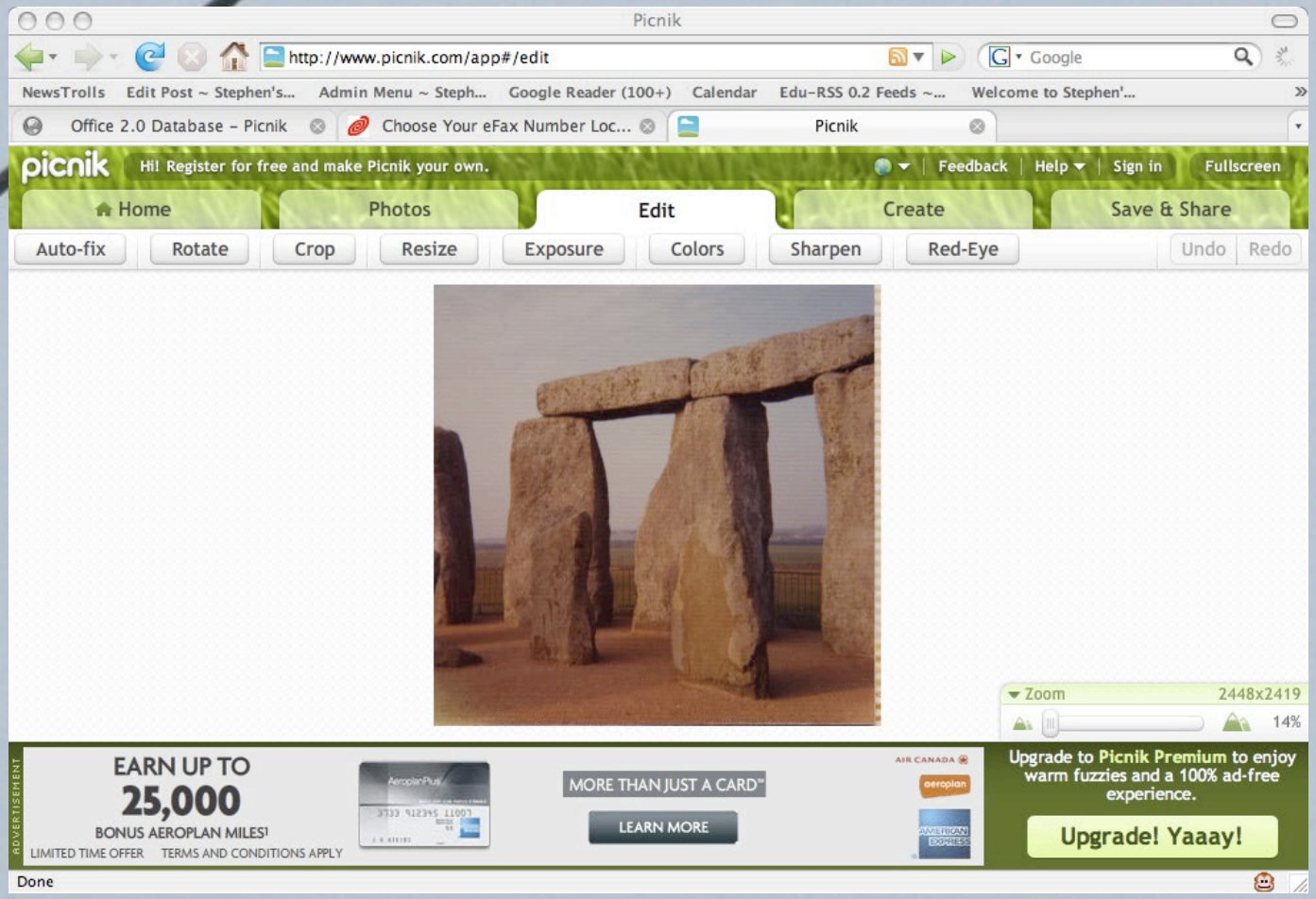

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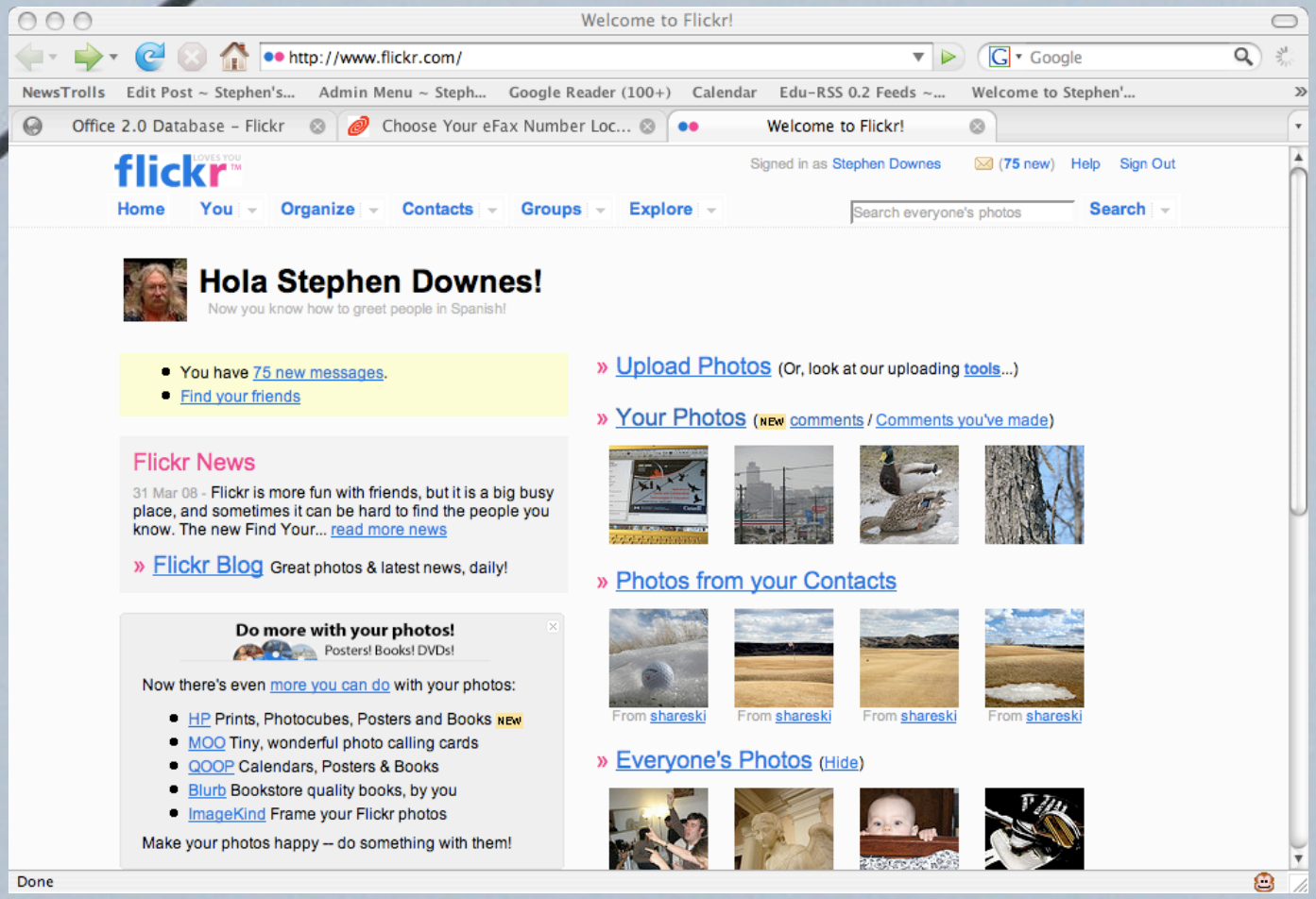
Photo manager - Flickr



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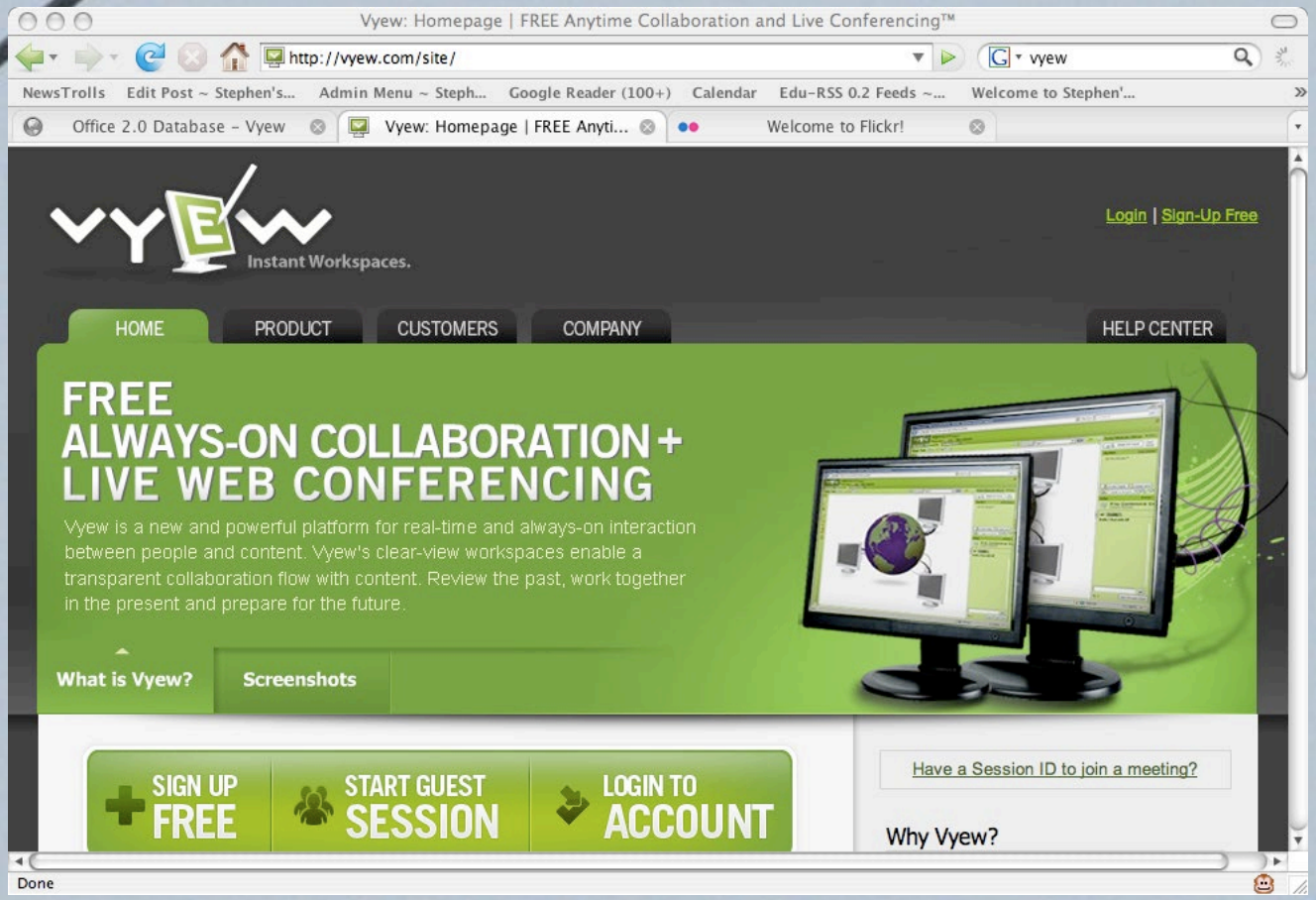

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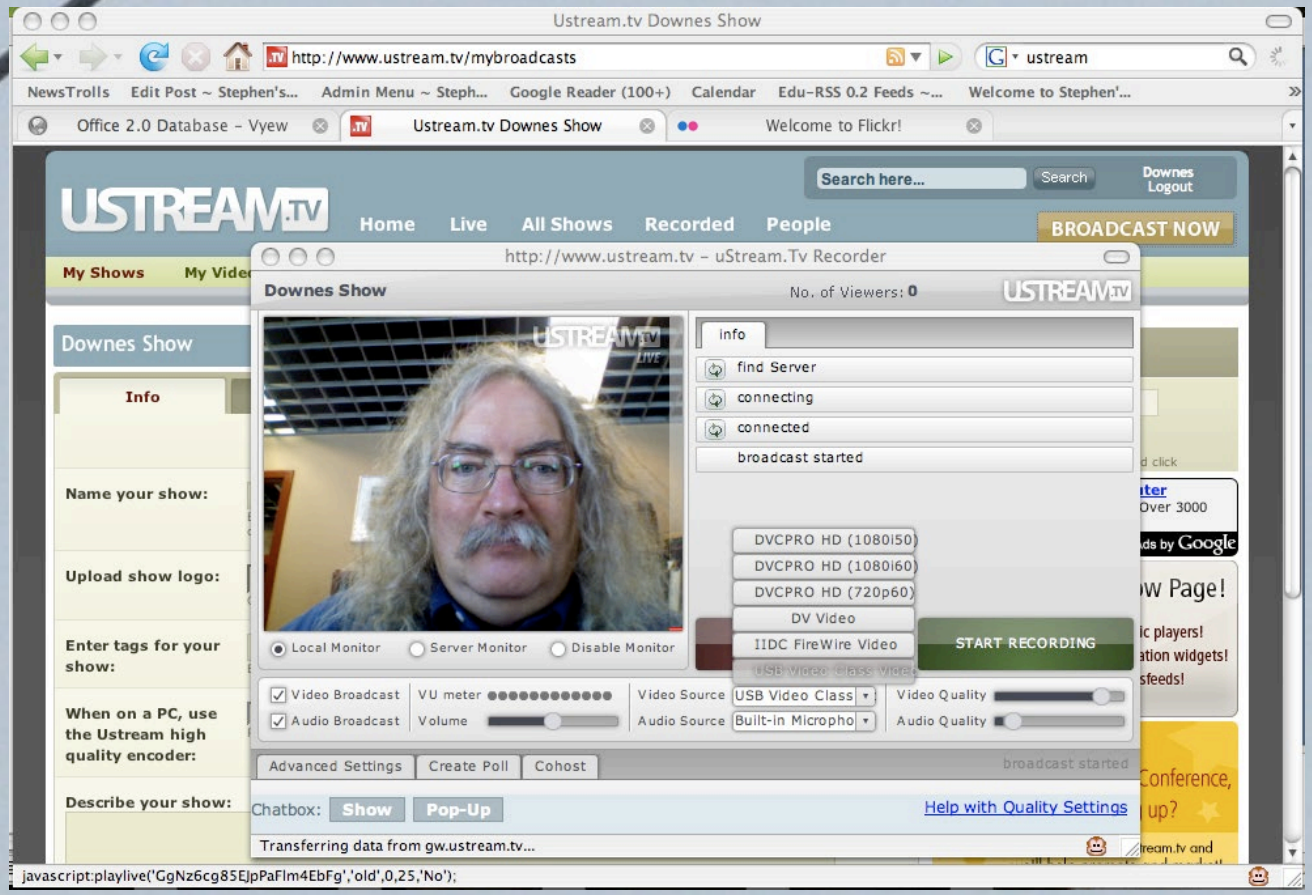
Webcasting - Ustream.tv



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- Web 2.0 Applications Are Virtual Worlds -
Multiple users, avatars, user generated content, persistent world…
http://www.secretlair.com/index.php?/clickableculture/entry/google_spreadsheet_as_virtual_world/

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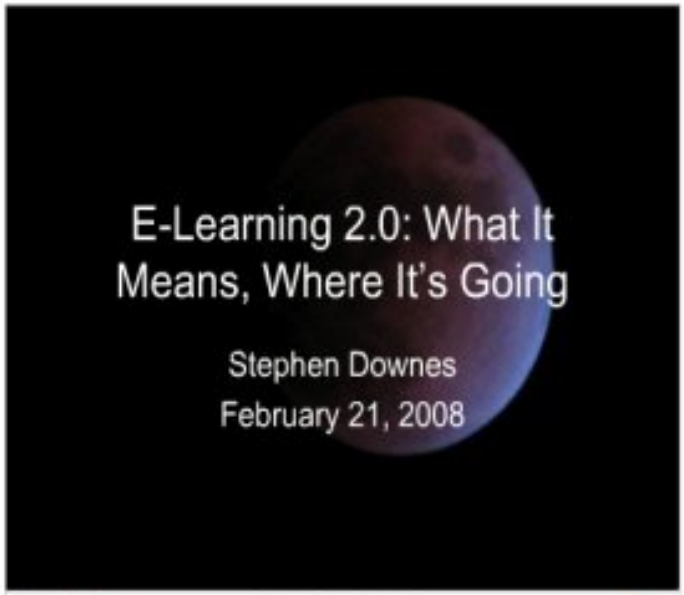
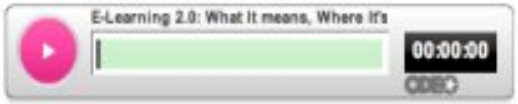
...: What It Means, Where It's Going

Presentation

February 21, 2008
Delivered to The Business Case for eLearning 2.0, Online - WebX.





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They are shared

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The key to community is not doing things for people, but enabling them to do things for themselves

Cooperative Learning

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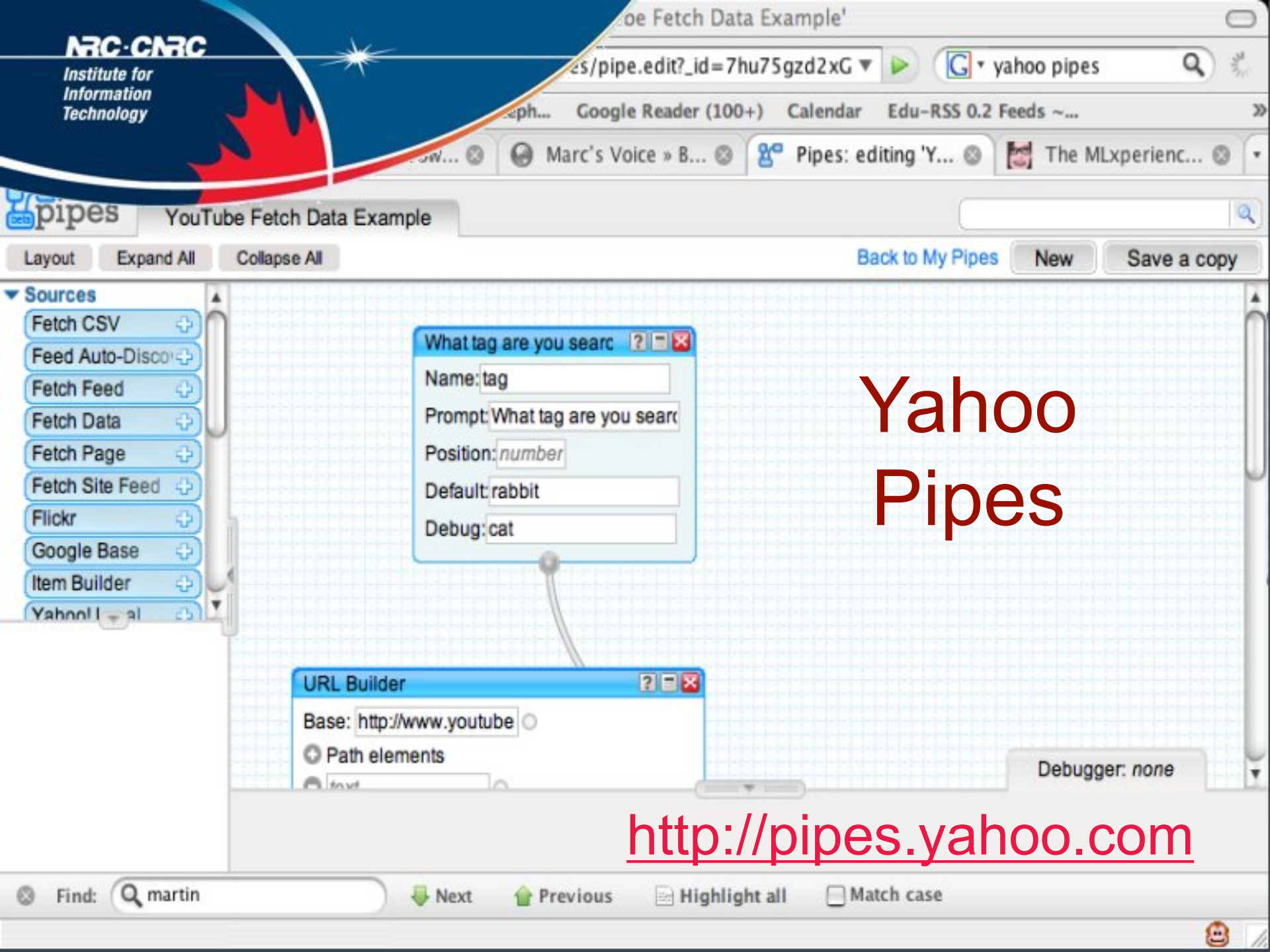
The basic elements critical to cooperative work

- positive interdependence
- individual accountability
- promotive interaction
- social skills
- collective processing

Johnson, Johnson and Smith http://www.maine.edu/pdf/CooperativeLearning.pdf

… are the basic elements of virtual worlds… and web 2.0

Software architecture that supports cooperation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Flickr
Google Base
Item Builder
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Position: number
Default: rabbit
Debug: cat
URL Builder
Base: http://www.youtube
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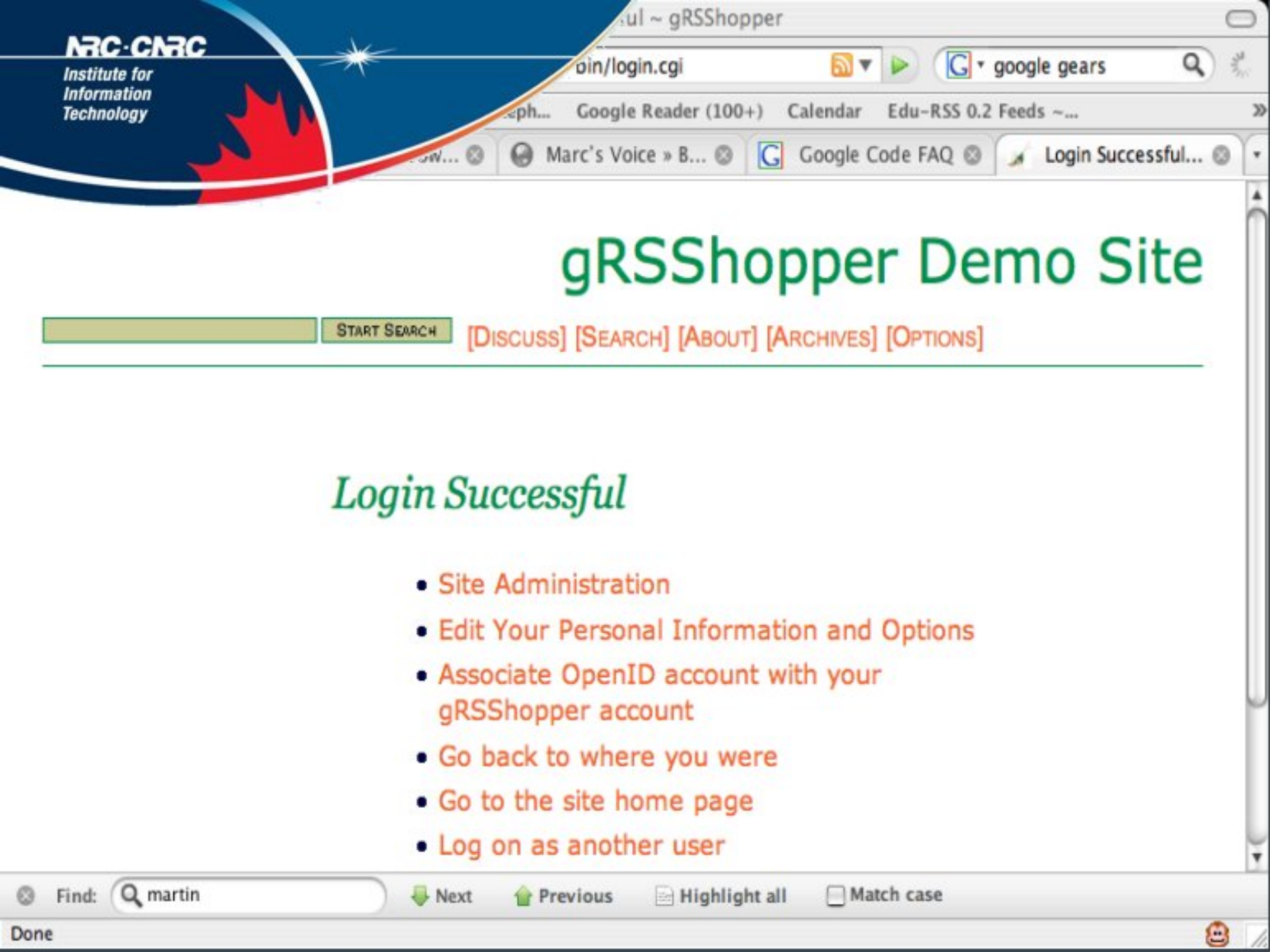
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Edit Your Personal Information and Options
Associate OpenID account with your gRSShopper account
Go back to where you were
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[New] [List] Author
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[New] [List] Publication
[New] [List] Project
[New] [List] Task
[New] [List] Template
[New] [List] Theme
[New] [List] Topic
[New] [List] View

Half an Hour -> post

A *mapping* is a way to direct where you want harvested data to be stored. The mapping source is always a feed, while the mapping destination is always a database table.

Source

Either...

◉ Specific Feed:	Half an Hour
○ Feed Type	[Help]
○ Feed Fields	[Help]
○ Value Pair	[Help]

Destination

Select a destination table: post

link

Map Table Elements

Source		Destination: post
hits	--->	hits
cites	--->	

Changing Community

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Community as Connections
http://www.edsupport.cc/mguhlin/archives/2008/04/entry_6926.htm
Source: http://tinyurl.com/yq79pr

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Groups vs Networks

http://www.flickr.com/photos/stephen_downes/252157734/

Diversity

Photo: Brandon Shegeta http://www.flickr.com/photos/brandonshigeta/1161603826/

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Autonomy

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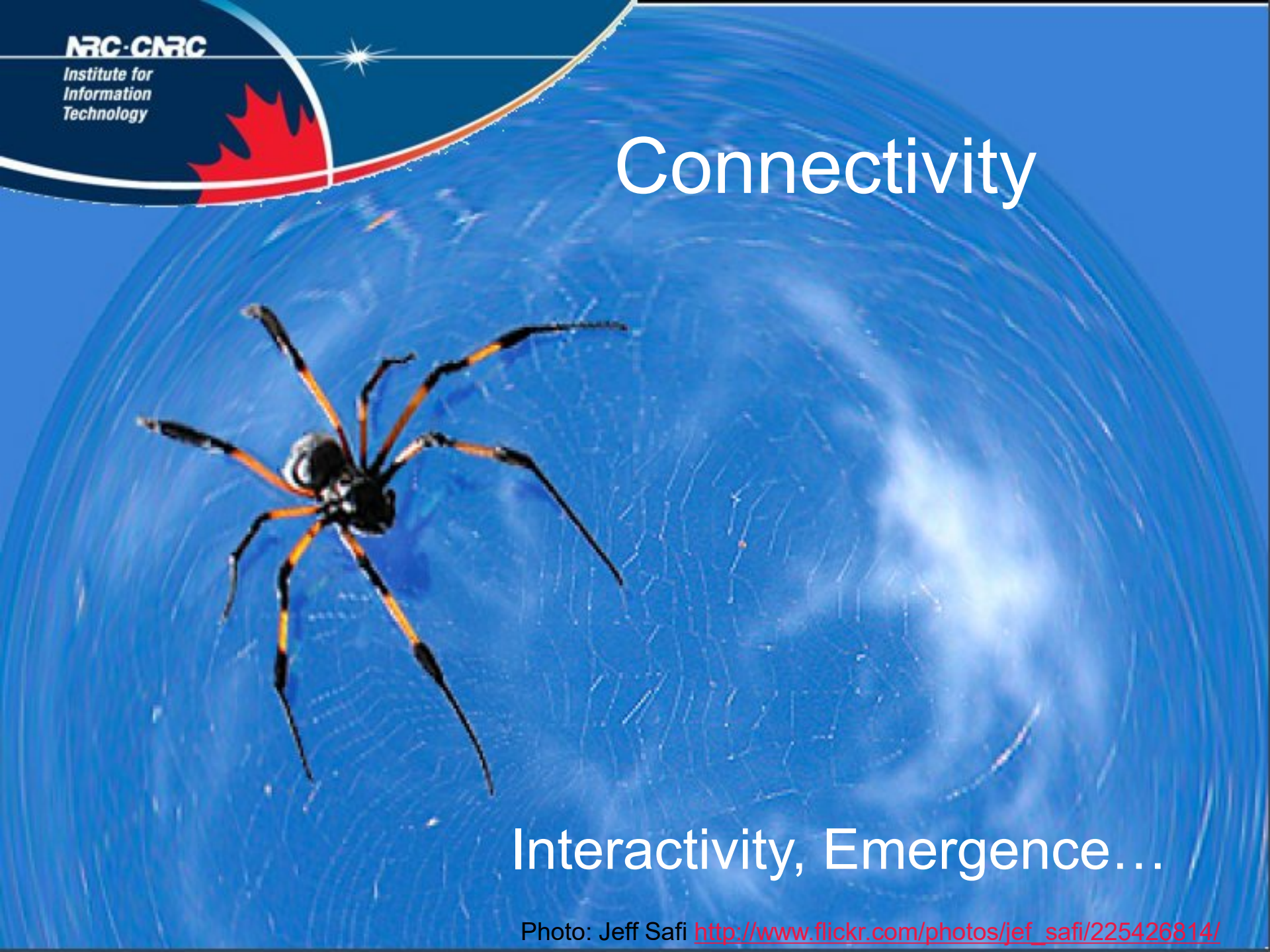
Connectivity



Interactivity, Emergence…

Photo: Jeff Safi http://www.flickr.com/photos/jef_safi/225426814/

Supporting Educational Communities

The idea of providing services

19 of the top 20 software applications used by educators are free

Jane Hart

http://c4lpt.co.uk/recommended/top100.html

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The Moodle Experience

Photo: Pescosolido Library http://www.flickr.com/photos/peskylibrary/175701858/

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Dougiamas…

- A clear, obvious web site design
- Demonstrations of the software
- Simple but extensive documentation
- Structured, easy-to-use forums
- A central source code library

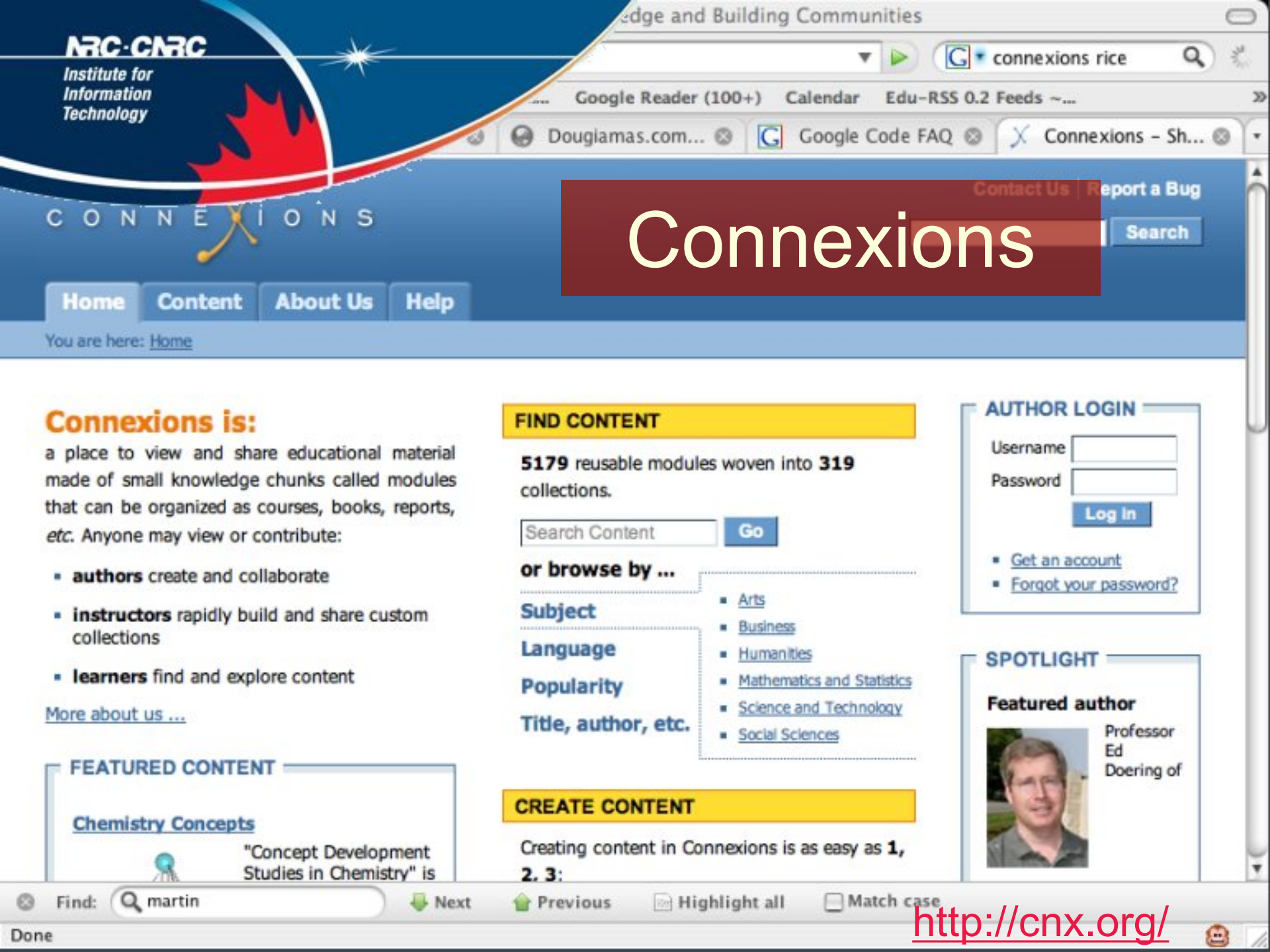
http://dougiamas.com/writing/edmedia2003/

This is what we could do

There are
certainly precedents…

WikiEducator

http://www.wikieducator.org/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European Schoolnet

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The gateway to education in Europe

Today is 8.4.2008

EUN Sites

- eTwinning
- Xplora
- Xperimania
- Insight
- MyEurope
- Insafe
- 50 Years Together
- Calibrate
- Corporate
- EQO
- LIFE
- DYP2007
- Energy is our Future
- MELT
- EUN Community

Partner finding forum

With other

Spring Day for Europe 2008 website launched

For the sixth time, European Schoolnet, on behalf of the European Commission, is coordinating the Spring Day for Europe campaign. On 17 March 2008 a new web portal was launched to encourage schools to register and take part in a large series of events.

FuturEnergia 2007 Launched

Energy is our Future is a school programme that is jointly managed by European Schoolnet and

Maltese project wins 2007 EUN eLearning Awards

The project 'Rescue La Vallette: An Adventure in Time' from the Dun Anton Manche school in Malta won the Young Digital Planet Award for best use of ICT at the 7th eLearning Awards. The ceremony was held in conjunction with the EMINENT 2007 Conference in Brussels on 6 December 2007.

read more

MyEurope

myEUROPE is a Web-based project which aims to help teachers raise their pupils' awareness of what it means to be a young citizen in Europe

read more

CALIBRATE

The CALIBRATE (Calibrating

European schoolnet

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What we do

The mission of the Joint Information Systems Committee (JISC) is to provide world-class leadership in the innovative use of ICT to support education and research.
JISC funds a national services portfolio (e.g. JANET) and a range of programmes (e.g. Cross-institutional use of e-learning to support lifelong learners) and projects (e.g. British Cartoon Archive digitisation project).

latest information

latest news

Podcast/Press Release: Keynote speaker hails the collaborative power of wikis
7 April 2008

From development to innovation: new emphasis for key JISC activities
31 March 2008

announced

Podcast:Transatlantic collaboration in the field of digitisation with UK's JISC and US' NEH
25 March 2008

more news

Joint Information Systems Committee - JISC

http://www.jisc.ac.uk/

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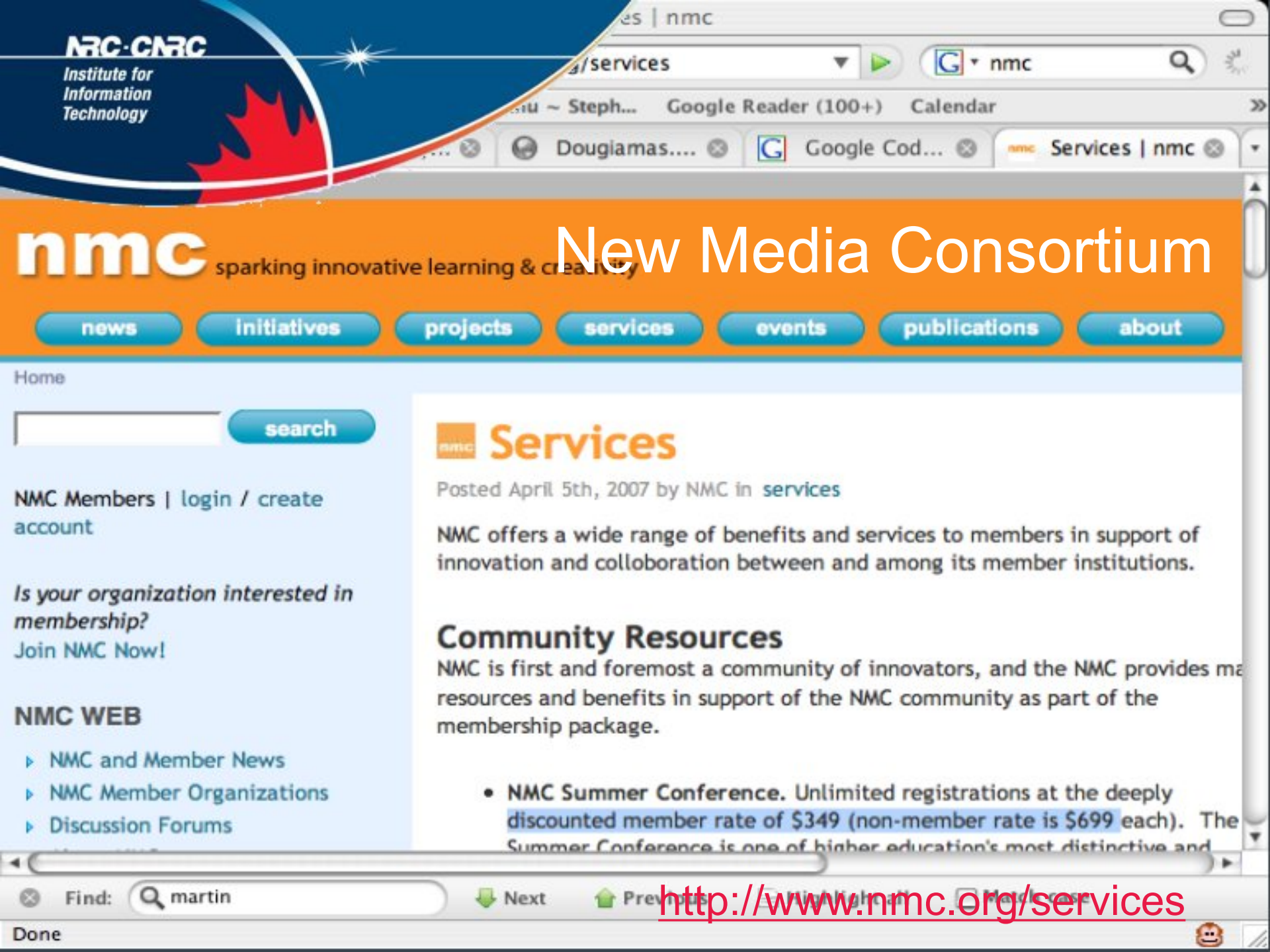
http://www.jisc.ac.uk/whatwedo/services.aspx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Discussion Forums
Services
Posted April 5th, 2007 by NMC in services
NMC offers a wide range of benefits and services to members in support of innovation and colloboration between and among its member institutions.
Community Resources
NMC is first and foremost a community of innovators, and the NMC provides ma
resources and benefits in support of the NMC community as part of the membership package.
NMC Summer Conference. Unlimited registrations at the deeply discounted member rate of $349 (non-member rate is $699 each). The
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Australia's free online network for educators

Wednesday April 9

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education blogs

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PDonaghy, ICFE, Dublin, Ireland

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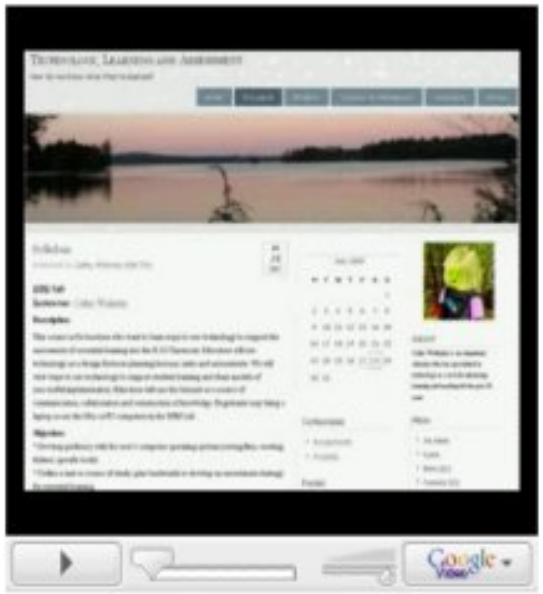

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- Religious Studies at Chiswick Community School
- Stroud College ACE

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Where are we in Canada and New Brunswick?

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We have the talent, the expertise…

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Can we see the way forward?

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Thank you

Stephen Downes
http://www.downes.ca