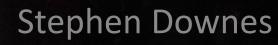
New Tools for Personal

Learning





MEFANET 2009 Conference

Brno, Czech Republic, November 25, 2009

Prologue

- It turns out to be very easy to teach people things - people are very impressionable
- What proves to be very hard is teaching people the right things - how not to learn

What I do



S] [SEARCH] [ABOUT] [ARCHIVES] [OPTIONS]

Stephen's Web

Elsevier Won't Pay (Any More) for Praise

So. Another lesson in ethics from our favorite academic publisher, Elsevier. "Elsevier officials said Monday that it was a mistake for the publishing giant's marketing division to offer \$25 Amazon gift cards to anyone who would give a new textbook five stars in a review posted on Amazon or Barnes & Noble." What they mean, of course, is that it was a mistake to do it in such a way that they would be caught. Scott Jaschik, Inside Higher Ed, June 23, 2009. [Link] [Tags: Books, Marketing, Academia] [Previous][Next] [Edit] [Delete][Spam]

Comments

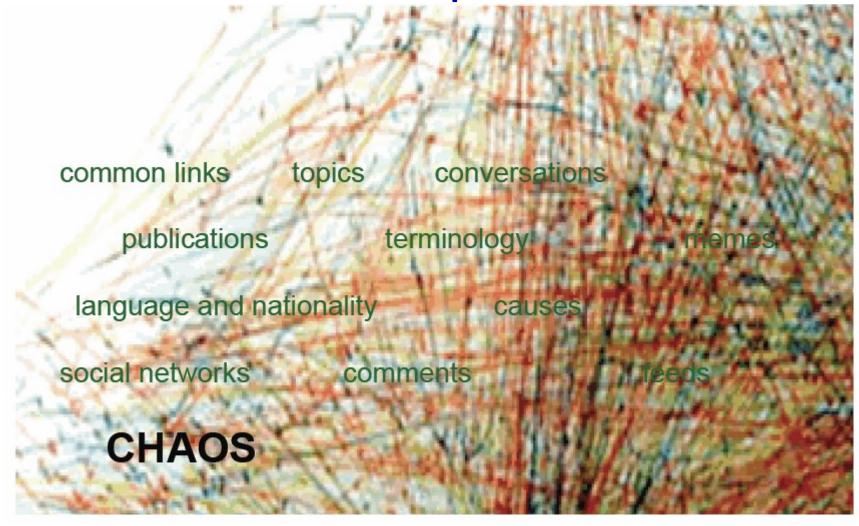
Comment

Showing rows 0 - 29 (16,171 total, Query took 0.0027 sec)

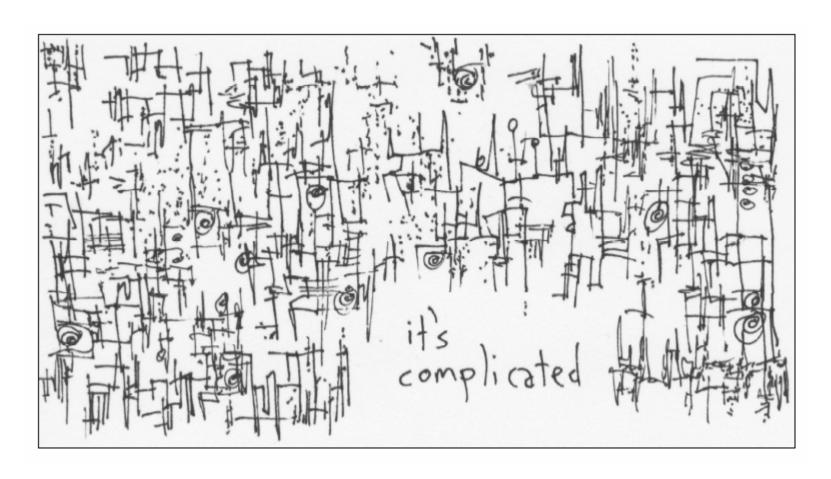
_SQL query:-

SELECT`post_title` FROM`post` WHERE`post_type` = 'link' LIMIT 0 , 30

What does 16,000 posts look like?



Complicated, Complex

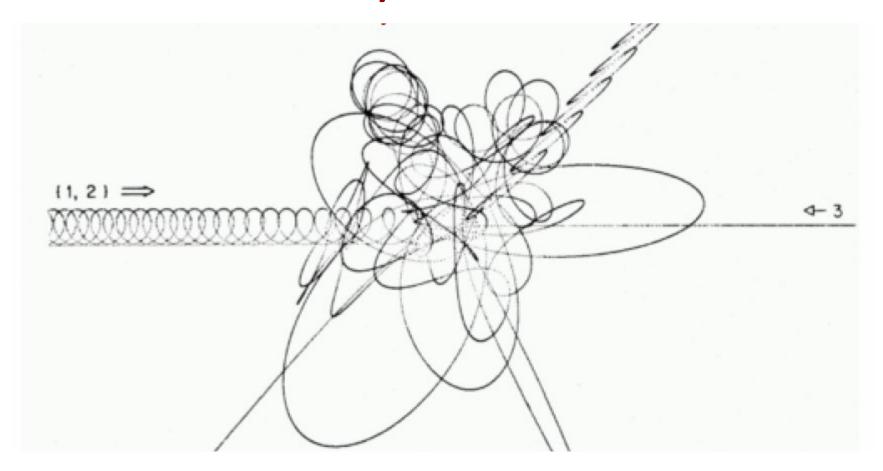


The (First) Butterfly Thesis



a butterfly flapping its wings in South America can affect the weather in Central Park.... so why don't we get that butterfly?

The Three Body Problem



http://www.scholarpedia.org/article/Three-body problem

http://www.dynamical-systems.org/threebody/index.html

Connectivism: Engagement

- There is no curriculum, no theory, no body of knowledge
 - (or, more accurately, the curriculum is the McGuffin)
- The product is not the knowledge, it is the *learner*
- It's not that there's nothing to learn, it's that it's complex and needs to be navigated... not memorized



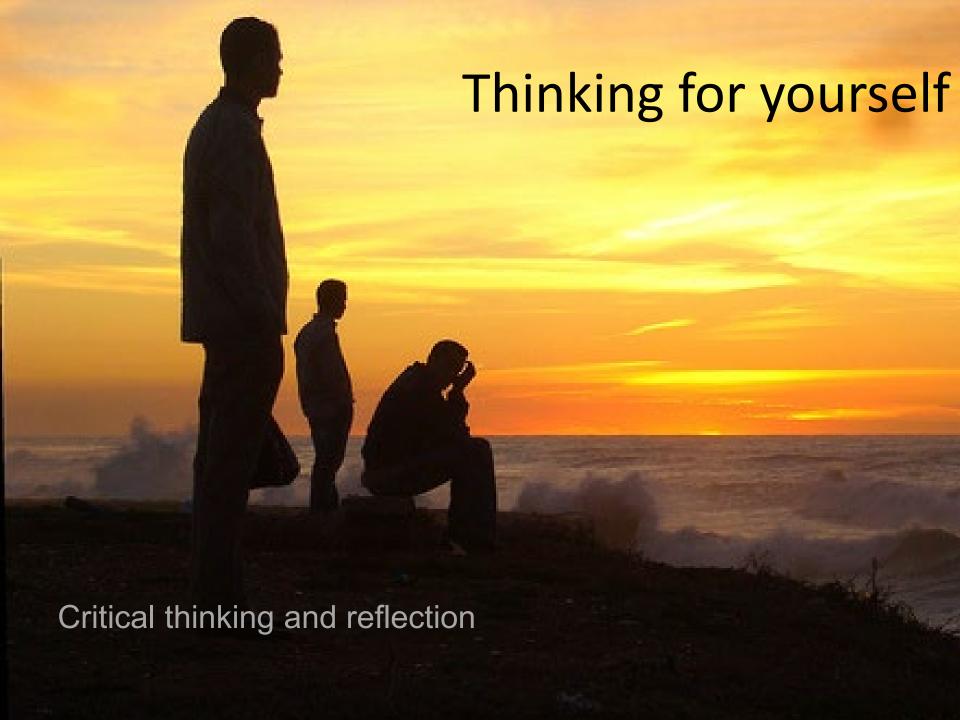


First Theme

active engagement, not passive observation...

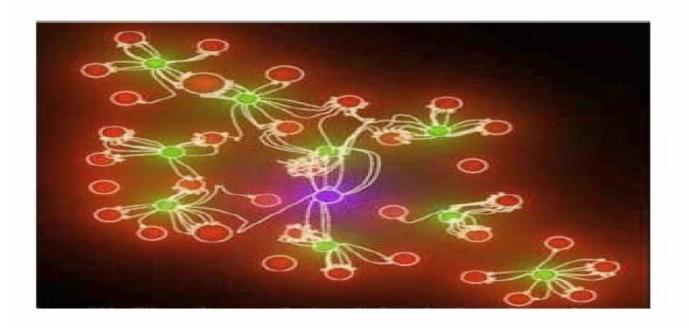
- a bit like ANT, but no presumption of commonality, translation...
- a bit like action research, but no presumption of a community of practice

http://carbon.cudenver.edu/~mryder/itc data/ant dff.html
http://www.emtech.net/actionresearch.htm

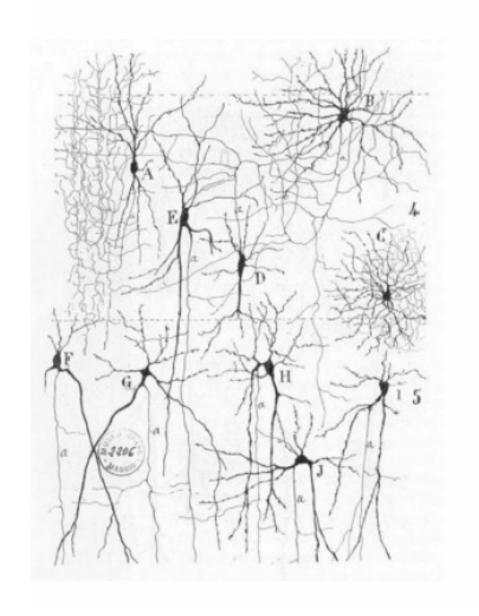


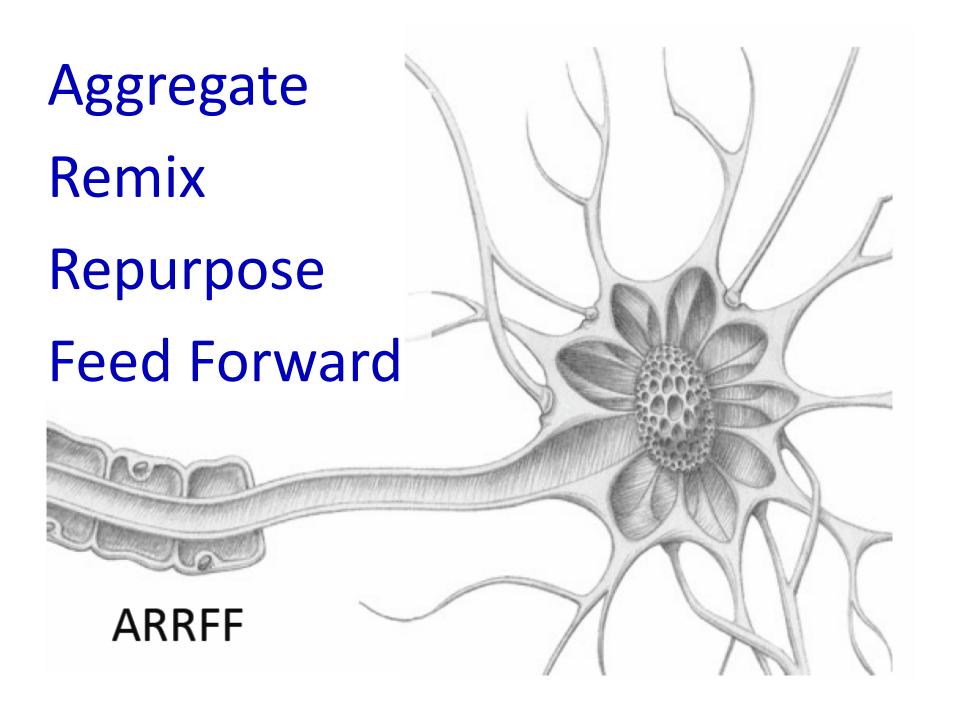
Free Learning

 The picture of learning you should have is one of a large set of connected nodes (like the neurons in a brain)



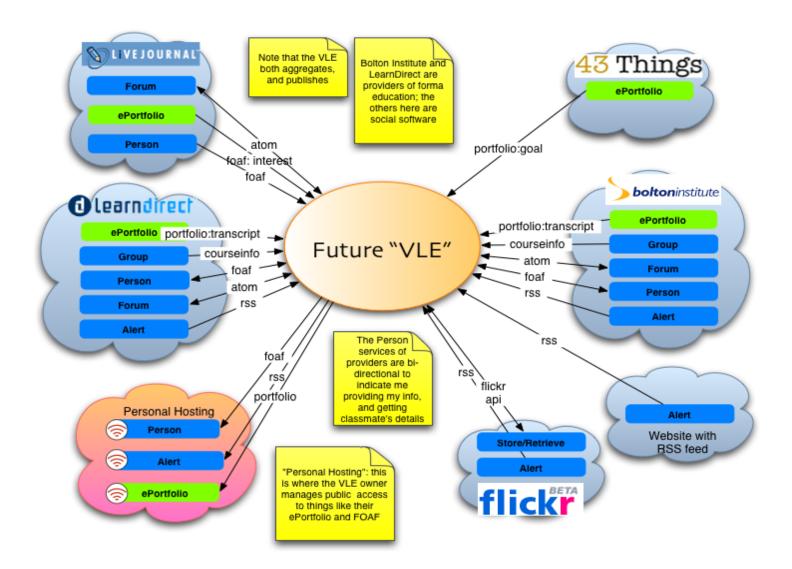
- Teachers are nodes, students are nodes
- Both teaching and learning consists of sending and receiving communications to other nodes



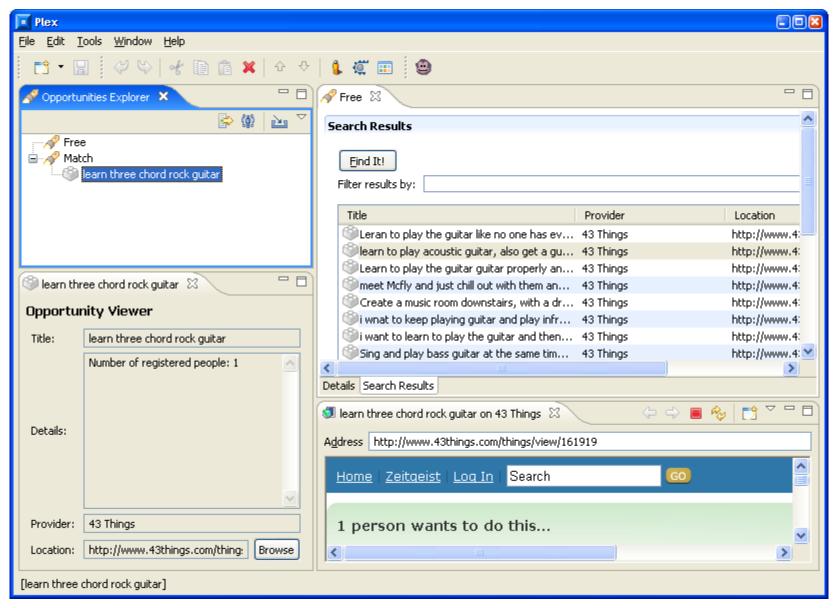




The Idea of the PLE...



Plex Personal Learning Environment Example



Collecting and Filtering RSS

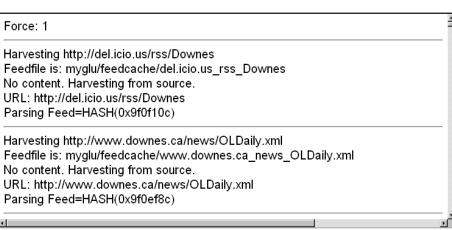
http://www.downes.ca/mygluframe.htm

RSS Join Output RSS Filter OPML Topics

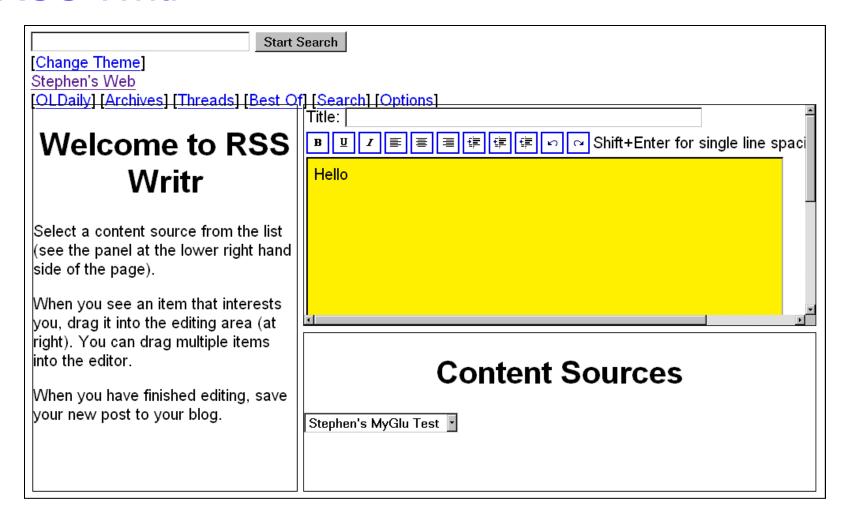
MyGlu

By Stephen Downes

<u>About</u>

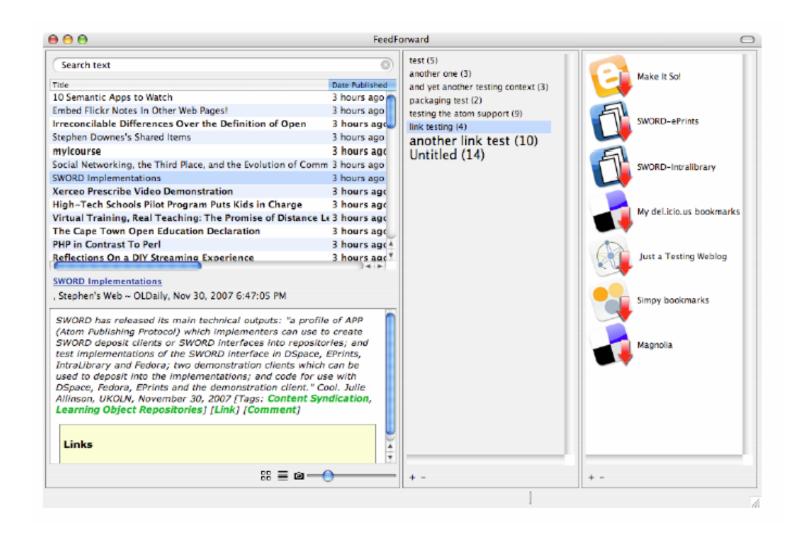


RSS Writr

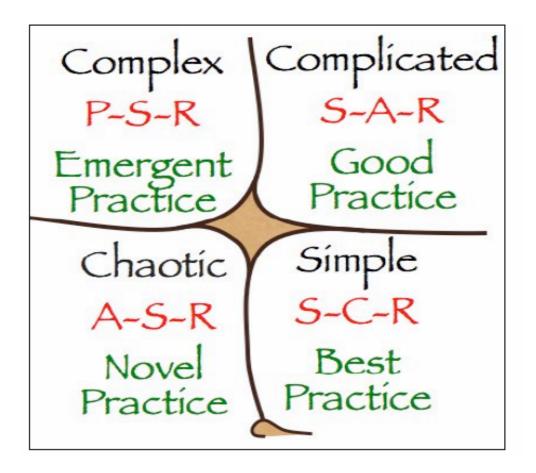


http://www.downes.ca/editor/writr.htm

FeedForward



Second Theme



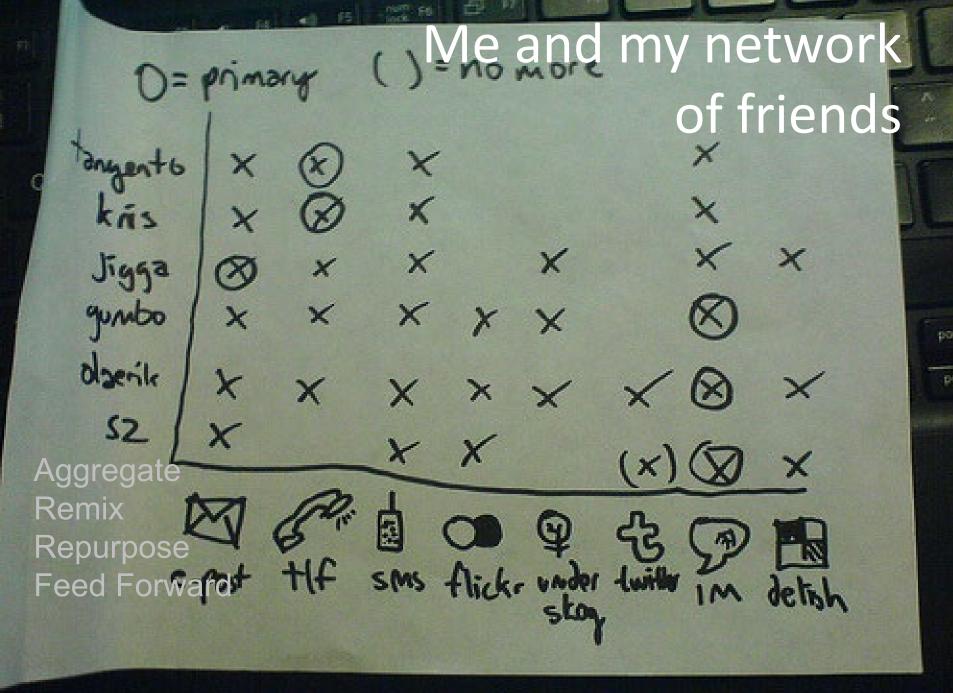
Learning.... vs the right learning

http://en.wikipedia.org/wiki/Cynefin

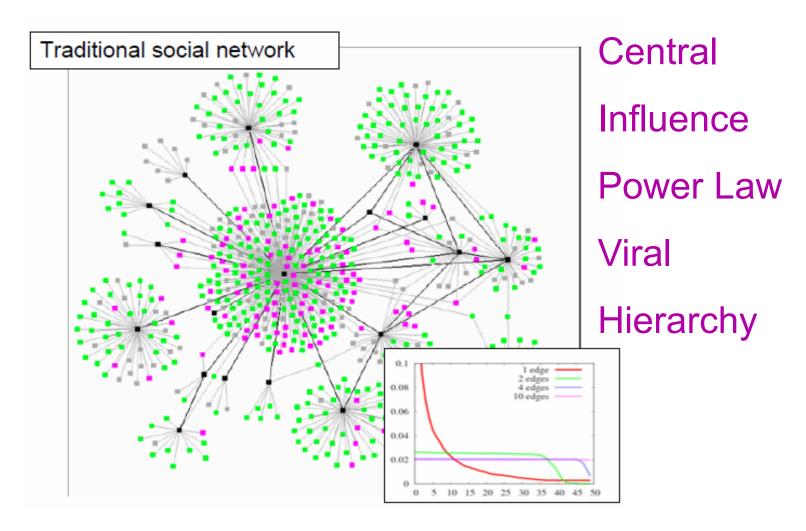
Understanding Interdependence



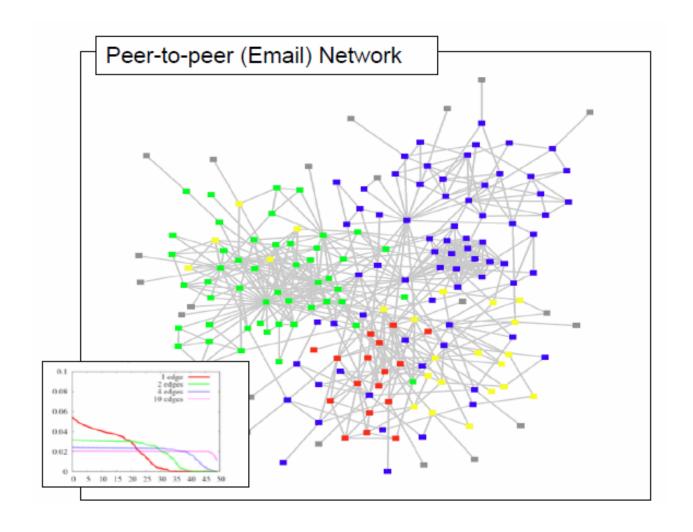
- = no simple principles
- = no simple cause & effect



Network Structures - Tree



Network Structures - Mesh



Distributed

Discussion

Balanced

Reflective

Democracy

http://www.daniel-lemire.com/fr/abstracts/DIVERSITY2008.html http://www.mailchimp.com/blog/using-email-to-uncover-hidden-social-networks/

Individualism vs Mutuality

Independent variables vs dependent variables

eg. Rational decision - vs role model



The myth of solitary autonomy

When we ourselves become the story



The Sharing Thesis

- Not just competition cooperation
- Open Educational Resources (OERs)
- The only sustainable model



The (Second) Butterfly Thesis



Connectivism

"At its heart, connectivism is the thesis that knowledge is distributed across a network of connections, and therefore that learning consists of the ability to construct and traverse those networks."

What Connectivism Is

http://halfanhour.blogspot.com/2007/02/what-connectivism-is.html

Course Components

The Wiki...



http://ltc.umanitoba.ca/wiki/Connectivism

Course Components

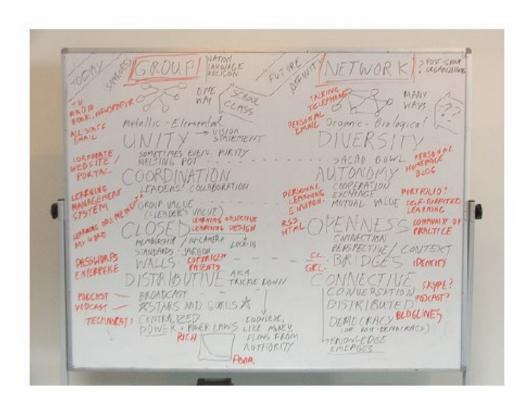
Course Moodle Forum



http://ltc.umanitoba.ca/moodle/course/view.php?id=20

Third Theme

Groups vs networks



Nancy White - Me, We, Network



Objects We Care About

 Nancy White - networks, not just about connecting the people, but the objects they

care about





The object system, revisited



Repositories and Syndication

Academic - OAI-PMH, Dspace, Fedora, Eprints,
 SWORD, Connexion, OCW

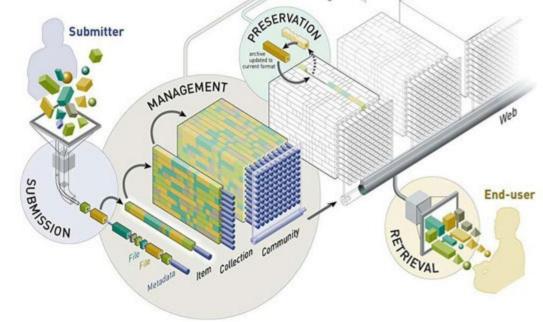
Web - Flickr, YouTube, Slideshare

RSS

OAI

DC

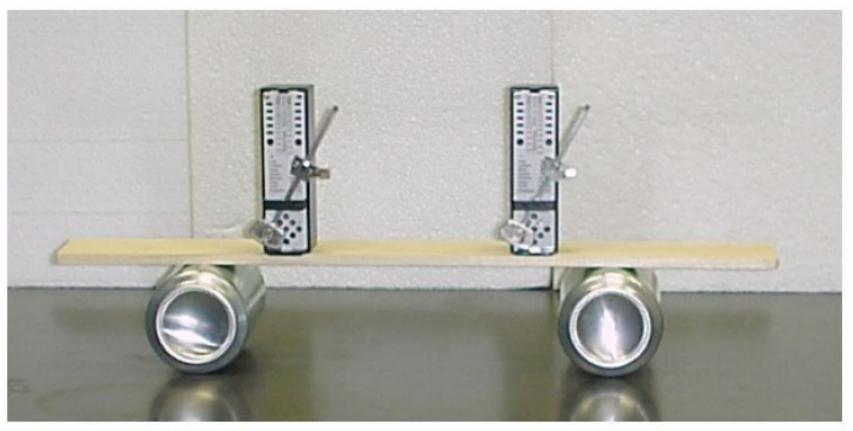
Atom



Curator

http://www.ariadne.ac.uk/issue55/vandeventer-pienaar/

Self-organization - metronomes



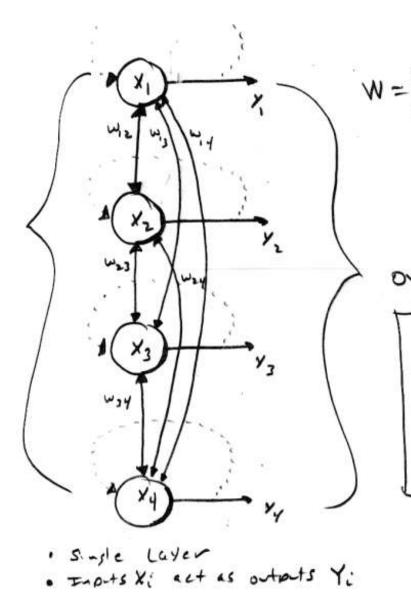
mttp.//bait.uaa.aiabka.cuu/ucpt/mctio.iitiiii

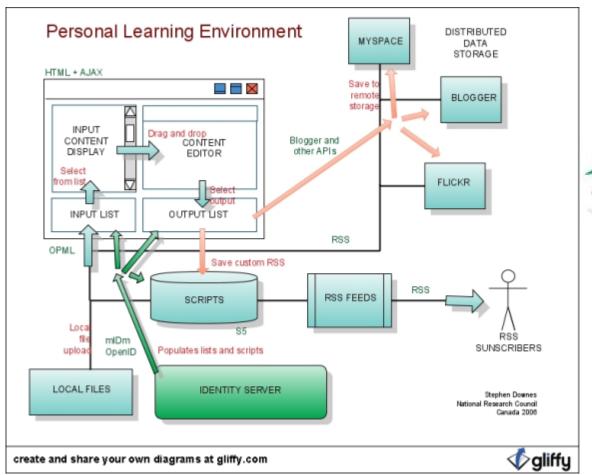
http://www.youtube.com/watch?v=W1TMZASCR-I

Self Organization

Network Learning Transfer

- Hebbian associationism
 - based on concurrency
- Back propagation
 - based on desired outcome
- Boltzman
 - based on 'settling', annealing

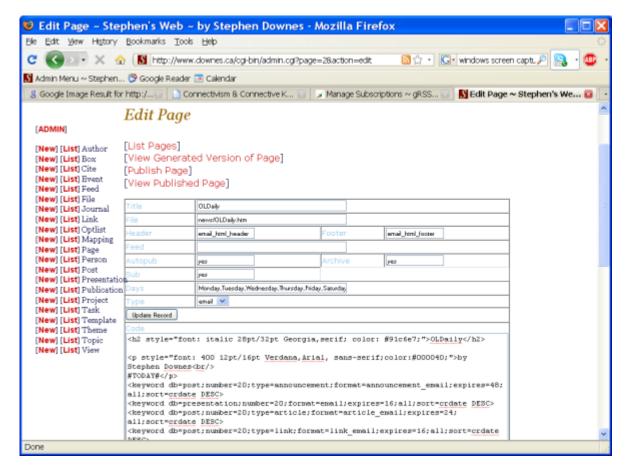




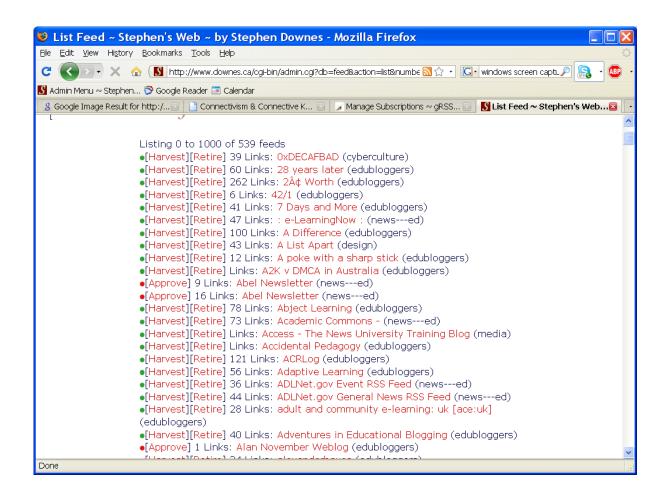


The application provides mechanisms to input, process, and distribute content.

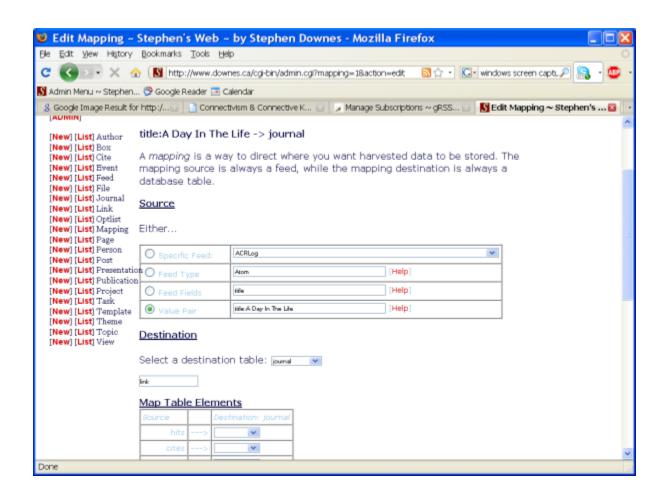
Page Creation



Pages are created automatically from a database of content types



Feed Management Content input comes from RSS feeds harvested by gRSShopper



Incoming content can be mapped to any of a variety of data types

Course Components

The Daily

Connectivism & Connective Knowledge

[Home] [The Daily] [Wiki] [About] [Aggregations] [Readings]

The Daily

September 9, 2008

Highlighted Resources

Time Change for Wednesday Session

Important: We've made a change to our Wednesday (in our part of the world) schedule. The elluminate session will be held at 11:00 am CST (see conversion here). The event will be held in ellumnate (link here). Sorry about this last minute change. If the time doesn't work for those in Australia and Asia, please let me know (gsiemens@elearnspace.org) and we can try and arrange a smaller discussion group at a different time). CCK08, , September 9, 2008 [Link] [Tags: none] [Comment]

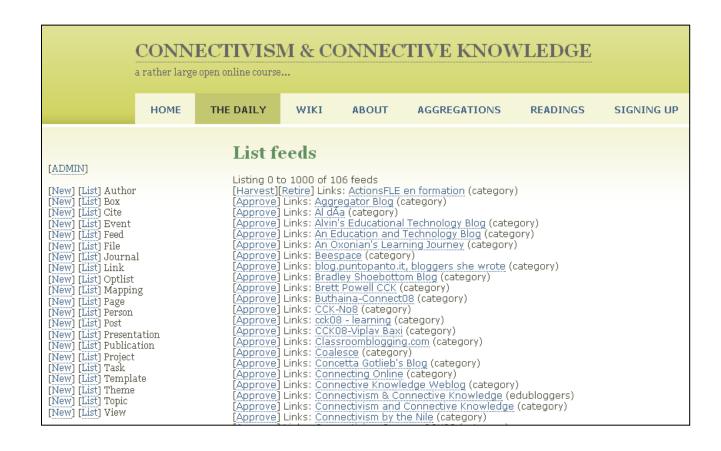
Connections, Learning, and Ptolomeus (CCK08-W1)

Nice post on the question of whether we 'grow' or 'build' new learning. Diego Leal cites John Medina's book *Brain Rules* (I'll have to get that one) on learning: "No defined structure, no progressive storage. Just the creation and recreation of connections between neurons. So, the process seems to be closer to something growing out (or expanding?) than to something being built." Here's the Brain Rules website, if you want to have a look. Diego Leal, .Edu.Co.Blog, September 9, 2008 [Link] [Tags: none] [Comment]

http://connect.downes.ca/

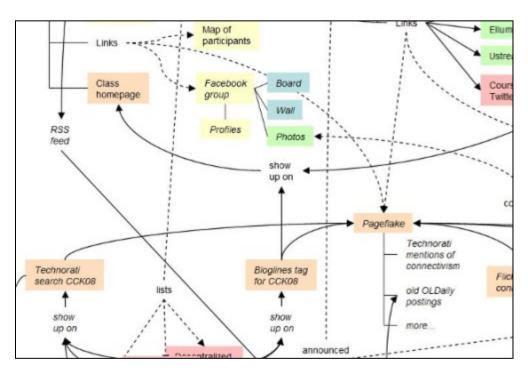
Course Components

Feed Harvesting



The Students

The Course Map...



http://x28newblog.blog.uni-heidelberg.de/2008/09/06/cck08-first-impressions/

The Internet of 2007



Social Networks
blogs and blogging
wikis and collaborative
writing
tagging and Digg and...

Web 2.0

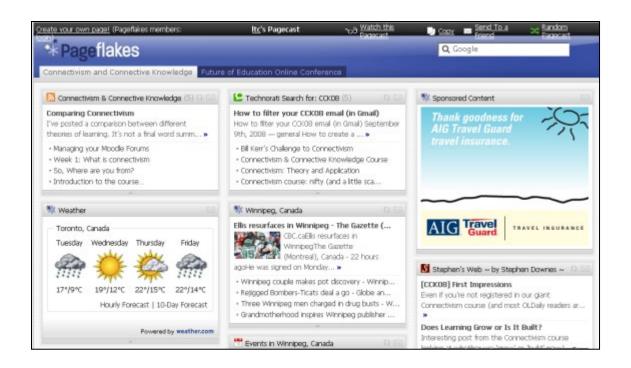
The Internet of 2009

Beyond Web 2.0

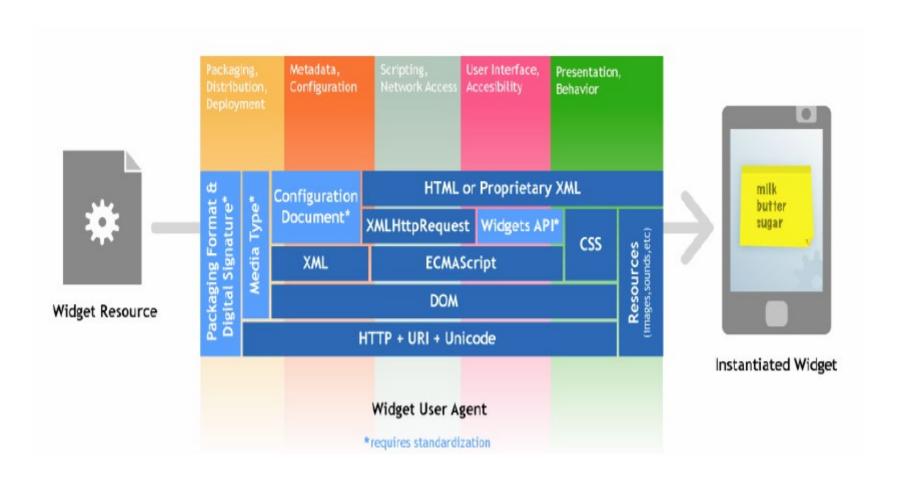


Creating Course Components

Pageflakes Site



Widgets and Gadgets



Widget Landscape

	Market-Leading Widget User Agents		
Widget User Agent	Vendor	Version	Platform
Konfabulator	Yahoo!	4.5	Windows XP, Windows Vista, MacOS
Windows Sidebar	Microsoft	1.0	Windows Vista
Google Desktop Gadgets	Google	1.x	Windows XP, Windows Vista
Opera Widgets	Opera	9.5 Beta	Mac OS 10.5, Windows XP, Windows Vista
Dashboard	Apple	1.1	Mac OS 10.5
Web-Runtime	Nokia	1.0 Beta	S60 3rd Edition, Feature Pack 2 (emulator)
Joost Widgets	Joost	1.0 Beta	Mac OS 10.5, Windows XP, Windows Vista
Widget User Agent	Vendor	Version	Platform

http://www.w3.org/TR/widgets-land/

Google Wave



http://wave.google.com/

Opera Unite



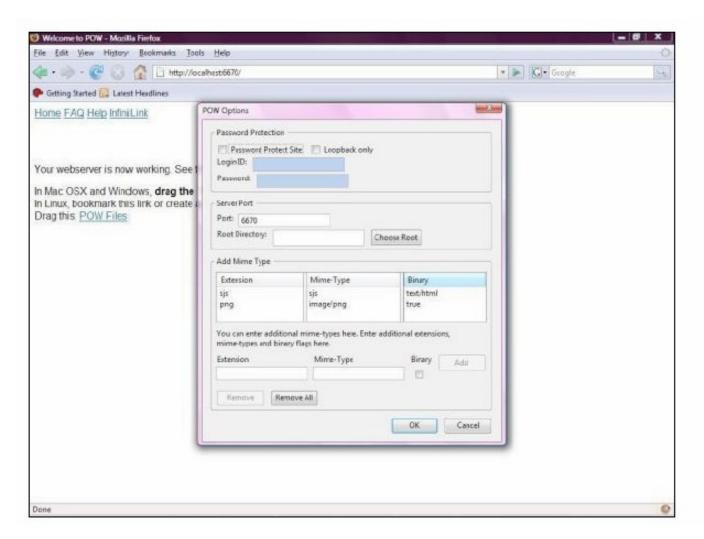
http://blog.mynetx.net/windowslive/opera-unite-how-client-server-future-look-like/

Windows Live Mesh

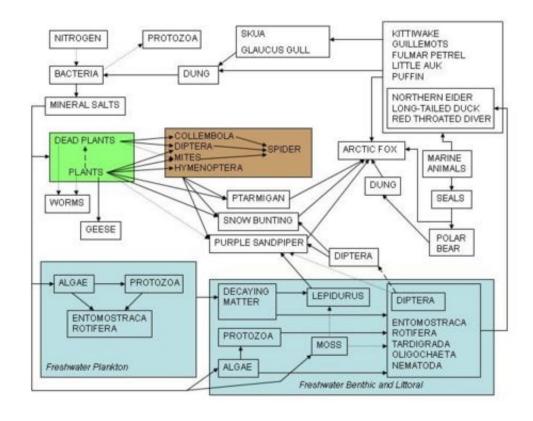


https://www.mesh.com/welcome/default.aspx

Firefox Plain Old Web Server

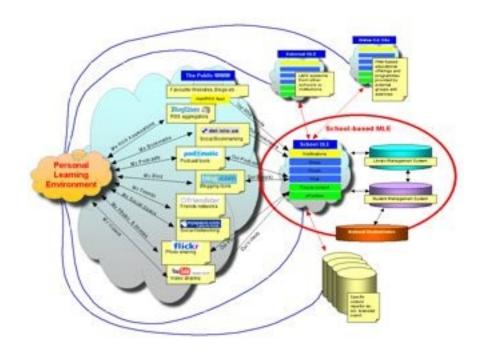


 Networks of interactions (aggregate, remix, repurpose, feed forward) – syndication



An ecology...

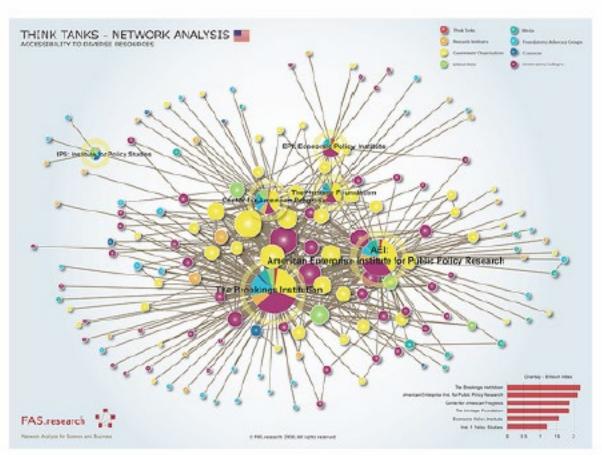
• The *personal* learning centre



Autonomy

http://blog.core-ed.net/derek/2006/11/more_on_mles_and_ples.html

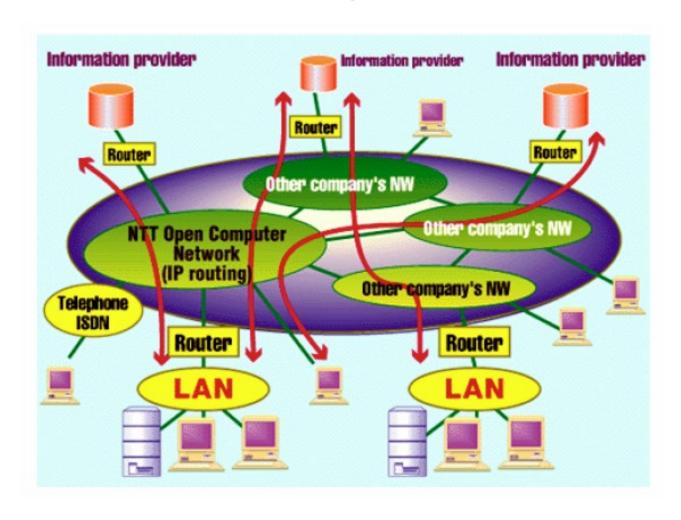
 The Network is Diverse – multiple views, multiple technologies



 The Network is connected and interactive (not 'integrated') – small pieces, loosely joined



The Network is open



Stephen Downes http://www.downes.ca

