Developing Networks of Innovation via Open & Social Technologies: Starting Points

by Alec Couros TLt 2005

- Outline
 - Introduction to the Open Movement
 - Paradigm Shift/The Open Mindset
 - Roots: Open Source Software
 - Open Content
 - Blogs & Wikis
 - Social Networks in the Main/Meme Stream
 - Implications for Educational & Course Development
 - Resources & Contact



Paradigm Shift/The Open Mindset

The Open Movement

... part of an evolving paradigm

Opposing Forces

Open vs. Closed
Broadcast vs. Conversation
Institution vs. Individual
Hierarchy vs. Network
Centralized vs. Decentralized
Product vs. Remix
Planned vs. Chaotic
Static vs. Dynamic
Push vs. Pull

Virtual Counterparts

Internet vs. Television
Blogging vs. Newspapers
Skype vs. Telephony
Email vs. Snail Mail
3D Copier vs. Courier

The Open Mindset

From:

"we fully recognize that cultural technologies are far from neutral and that they are the result of social processes and power relations. Like all technologies, they are ultimately developed in the interests of industrial and corporate profits, and seldom in the name of the greater community participation of creative autonomy." (Penley & Ross, 1991)

To:

"Given enough eyes, all bugs are shallow." (Torvalds, 1997)

"In a world without walls or fences, you don't need Windows or Gates" (Interview, 2005).

The Open Movement

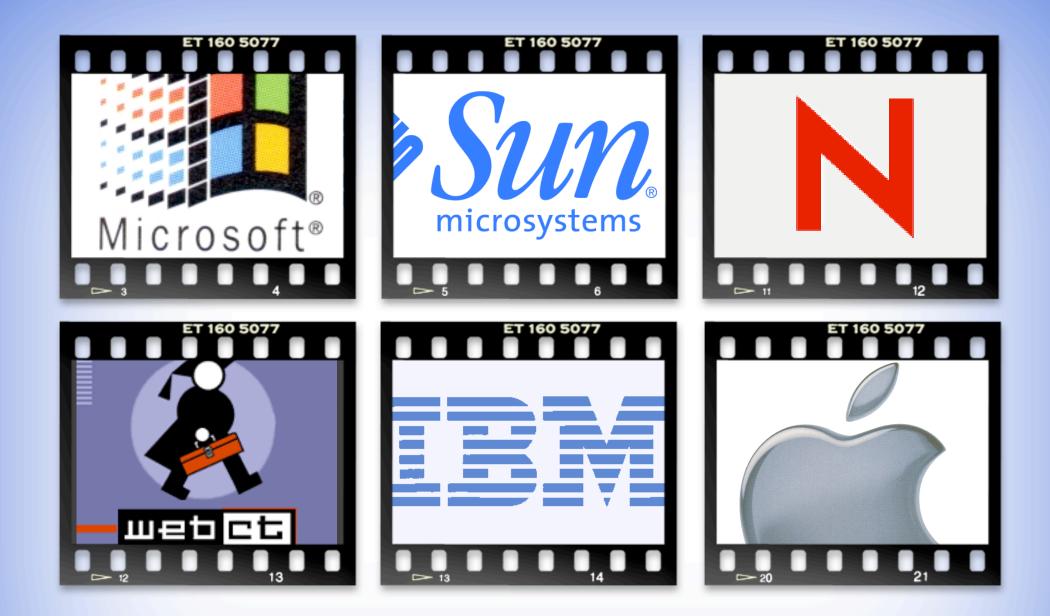
- The open movement moves well beyond software, and has inspired (open) publishing and (open) content development. The movement involves various inquiries into the nature of intellectual property itself, and has extended. Intellectual property and copyright is an increasingly relevant issue for academic institutions.
- The open movement is often described and situated as a reactive event. Some proponents of the open software movement target monopolies (e.g., Microsoft) specifically; for others, it's an idealistic opportunity (e.g., anti-dominance).
- From my perspective, I classify the open source movement as a culture, an ideology, and a better way for humans to work together on shared pursuits.



A New World of Information & Collaboration



Roots: Open Source Software



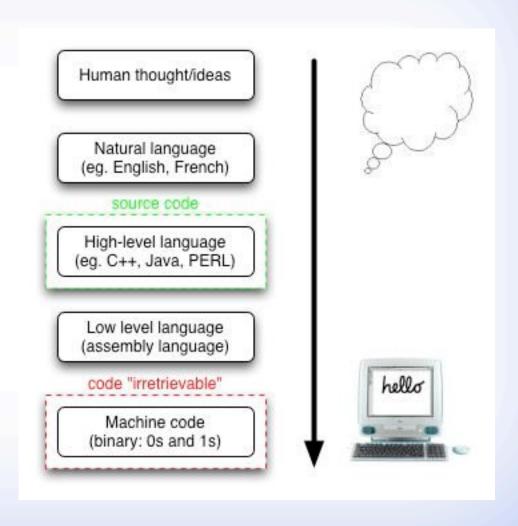
Familiar Images

The Not So Familiar

- The following titles are examples of FLOSS (Free/Libre Open Source Software).
 - Linux: Operating system, alternative to MS Windows or Mac OS X.
 - Open Office: Full office suite, similiar to Microsoft Office.
 - The GIMP: Bit map graphics editor (similar to Adobe Photoshop)
 - Firefox: Internet browser, alternative to MS Internet Explorer.
 - Apache: Most commonly used web server software
 - Wordpress: Popular blogging software package.
 - Moodle: Excellent course management system, similar to WebCT.
- Besides being excellent software packages, the development of such software really helps to demonstrate the possibilities via social networks.

"Free" Software?

- Two main categories of "free software":
 - Software that can be copied or distributed without payment (think free beer or gratis). This is often known as 'freeware' or similar.
 - Software that can be copied, studied, used, distributed, etc., with no or few restrictions.
 - FLOSS is the term used to represent both types of software.





Open Content

Open Content

- Open content, coined by analogy with "open source," describes any kind of creative work including articles, pictures, audio, and video that is published in a format that explicitly allows the copying of the information.
- Open content can be either in the public domain or under a license like the GNU Free Documentation License.
- In education, open courseware and learning object repositories have recently become popular, but have yet to reach their potential. Some initiatives include MIT's OpenCourseWare, CAREO, MERLOT, CLOE and DLORN.
- The <u>Creative Commons website</u> (and related activities) has become an important presence in the development and warehousing of open content.

Using the Creative Commons

Support the Commons





Worldwide Select a jurisdiction ▼

Creative Commons is a nonprofit that offers a flexible copyright for creative work.



music, sounds, speeches...



photos, illustrations, designs...



Video

movies, animations, footage...



Text

books, blogs, essays...



Education

lesson plans, course packets, textbooks...





Learn more...

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Webloa

Open Content Implications



The eGranary Digital Library



Delivering Digital Teaching Materials to African Universities









Blogs & Wikis

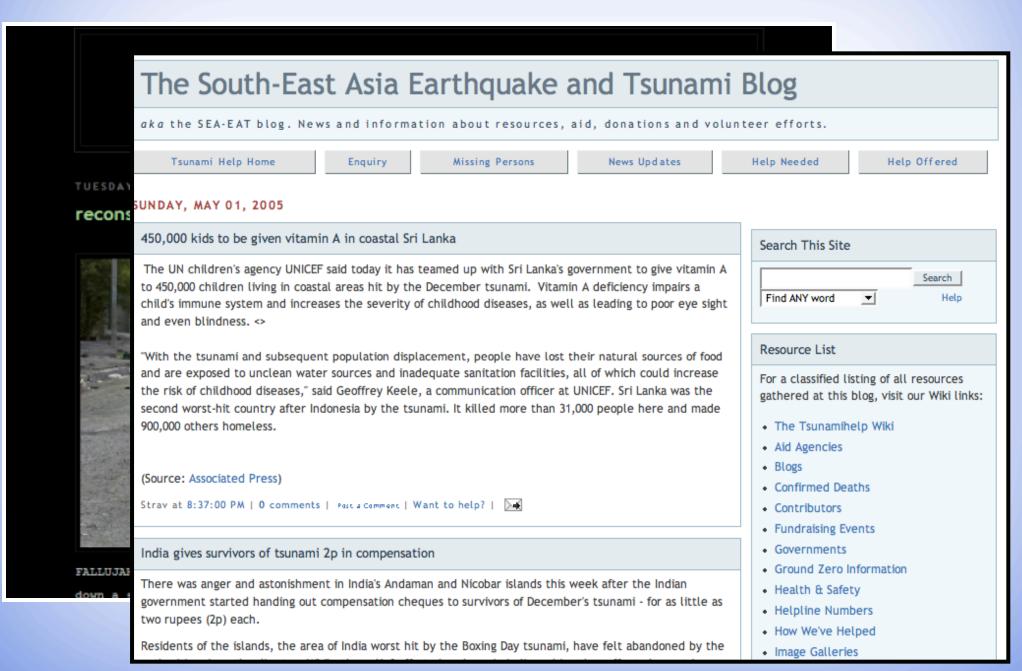
Blogs

- A blog (or weblog) is a web-based application that enables users to post text, images, audio or video to a webpage. Posts are (ideally) periodic, and usually arranged in reverse chronological order
- Advantages of weblogging:
 - Simple, assisted html production, as easy as sending an email message.
 - Publication is live and instant.
 - Customizable templates via CSS.
 - Ideal for group communications.
 - Simple syndication and subscription through various aggregators (no need to check page for updates).

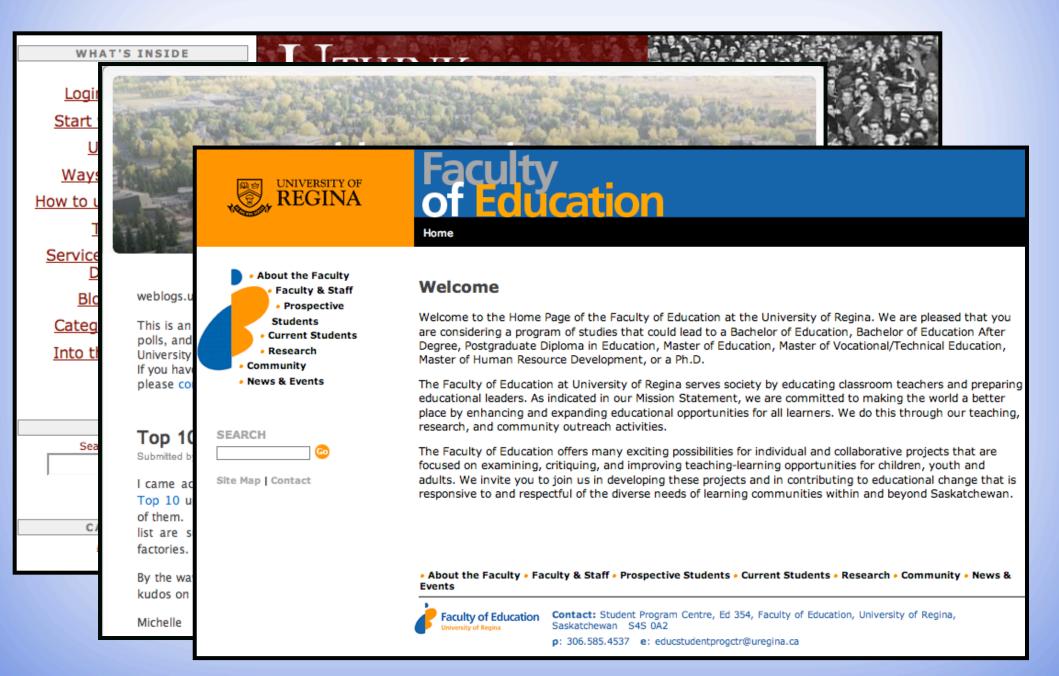
Blogs for Every Purpose

Social Action Diaries Business **Politics** Scholarly Course Enhancement Conference Collaborative Learning Space Knowledge Management Photo/Moblogs **PodCasts**

Social Action Blogs



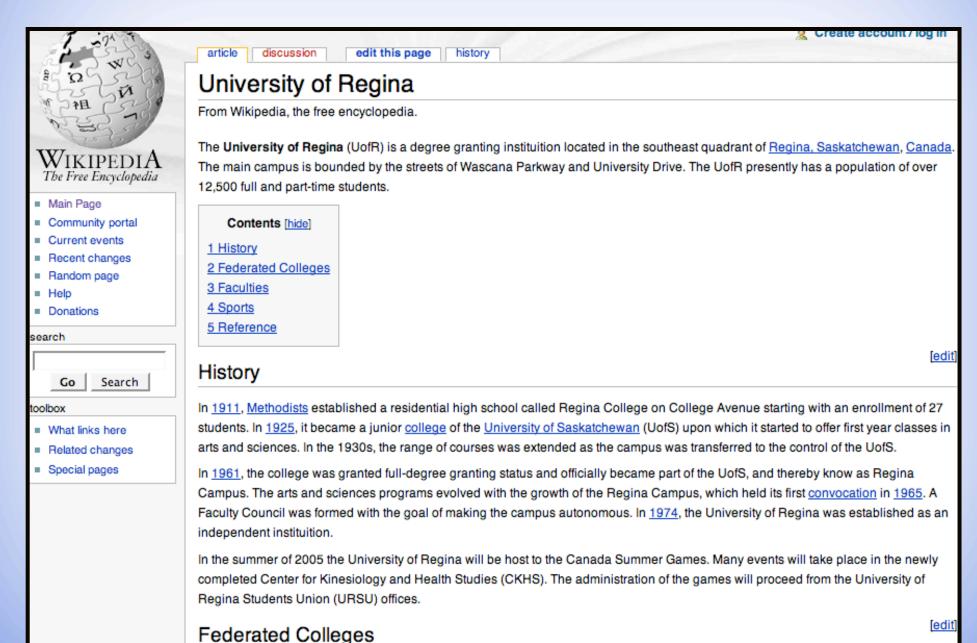
Blogs in Education



Wikis

- A wiki is a web-based application that allows users to add content, as on an Internet forum, but also allows anyone to edit the content.
- The name is derived from the Hawaiian term wiki wiki which means 'quick' or 'super-fast'.
- Probably the most popular wiki is <u>Wikipedia</u>, but other wikis include <u>Wikitravel</u>, <u>Wikibooks</u>, <u>Wiktionary</u>, <u>Wikiquote</u>, <u>Wikinews</u>, <u>Wikispecies</u> and <u>Wikicommons</u>.

Wikipedia



Social Networks in the Main/Meme Stream

- There are many examples of popular social networks. Such networks are used to develop social acquaintances, or to exchange ideas, thoughts or digital artefacts.
- Important terms regarding social networks:
 - FOAF friend-of-a-friend networks
 - P2P peer-to-peer networks, usually used to exchange data.
 - Memes an idea that replicates or evolves over networks, common through blogs. "A unit of cultural transmission or inheritance." (Dawkins, 1976).
 - Folksonomy practice of collaborative categorization using freely chosen keyworks, commonly used in object tagging.
 - Object-centred sociality the idea that successful social networks are based on both individuals and shared objects.

FOAF Networks



Social Bookmarking Services



Photo Sharing Communities

Photos: Recent Uploads . Learn More

Photos: Recent Uploads

Photos: Recent Uploads . Learn More

flickr

Tags / whatsi

You're looking at all public photos tagged whatsinmybag.

Related:

whatsinyourbag, bag, whatisinyourbag

See also:

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Tarte au citron











This photo also belongs to:













CI:





Implications for Education & Course Development

Developing ECMP 355/ECMP 455

- ECMP 355 (ICT in Education) and ECMP 455 (Advanced ICT in Education) were developed for Winter 2004 and Winter 2005. Course development motto: "small pieces, loosely joined" (Levine, 2004).
- The use of open source software and social network tools included:
 - A CD was distributed with a collection of open source software, free tutorials and open content developed by previous students (a shared repertoire).
 - A group blog (for each course) were developed using WordPress.
 - Students also developed their own blogs, and students used Bloglines (web-based aggregator) to keep track of student posts.
 - Students used Spurl to keep track of online resources, and lists were shared through aggregation.
 - An interactive course directory was developed to track student progress and to was used to help build relationships between the students and instructor.
 - MSN IM was used to communicate with students in between sessions.

Instructor Blog



april 28, 2005

The Reality of Happy Slapping

This last semester, I've mentioned happy slapping a fair bit, along with other abberant, digitally-inspired behaviours. If you haven't heard of happy slapping, well it's a phenomenon sweeping the UK in which an individual slaps or strikes a (usually) complete stranger while the incident is recorded on a video-enabled mobile phone. Of course, since such phones are also Bluetooth or MMS equipped, videos can be usually traded, shared and uploaded, and competition promotes one-upness.

A recent article by Carl Longino (via Boing Boing) helps to support the point that these incidents should be taken seriously, and instigators are violent criminals. Longino points to a video compilation by blogger Alfie Dennen which shows just how violent these attacks can in fact be.

If you are at all sensitive to violent video footage, skip it. However, if you want to see how bad this problem could get, you may want to take a look. Scary stuff.

Posted by courosa at 03:34 PM | Permalink | Comments (0) | TrackBack (0)

april 26, 2005

IBM Joins the Sakai Project

May 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
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Course Blog



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3/4/2005

Week #8 Overview

Filed under: ECMP Main - courosa @ 1:53 pm

Well today we looked at telecollaborative projects and virtual environments. Of course, there is a list of tellecollaborative projects on Week #8 of the course site that I have provided, and a simple Google search on telecollaborative projects will get you tons more. One of the projects I did not mention in class was the Flat Stanley project (as many of you are already aware of it). Flat Stanley made the news the other day as he attended the Oscars with Clint Eastwood. Be sure to check Tech Task #5 as it involves your research and description of a telecollaborative project.

For the rest of the class, we experienced a tour of the **TappedIn** environment. **TappedIn** acts as a virtual professional development environment for teachers, and can be an amazing resource. Check out the **TappedIn Calendar** for upcoming events.

Important Note: In lieu of the March 16th class, you will be asked to attend any March TappedIn PD session. You will be asked to describe the session in your blog. You may want to start looking for sessions of interest asap.

Thanks, and talk to you all next week.

Comments (1)

2/10/2005

links

faculty of education university of regina wordpress

categories:

ecmp main non-ecmp

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archives:

march 2005 february 2005 january 2005 december 2004

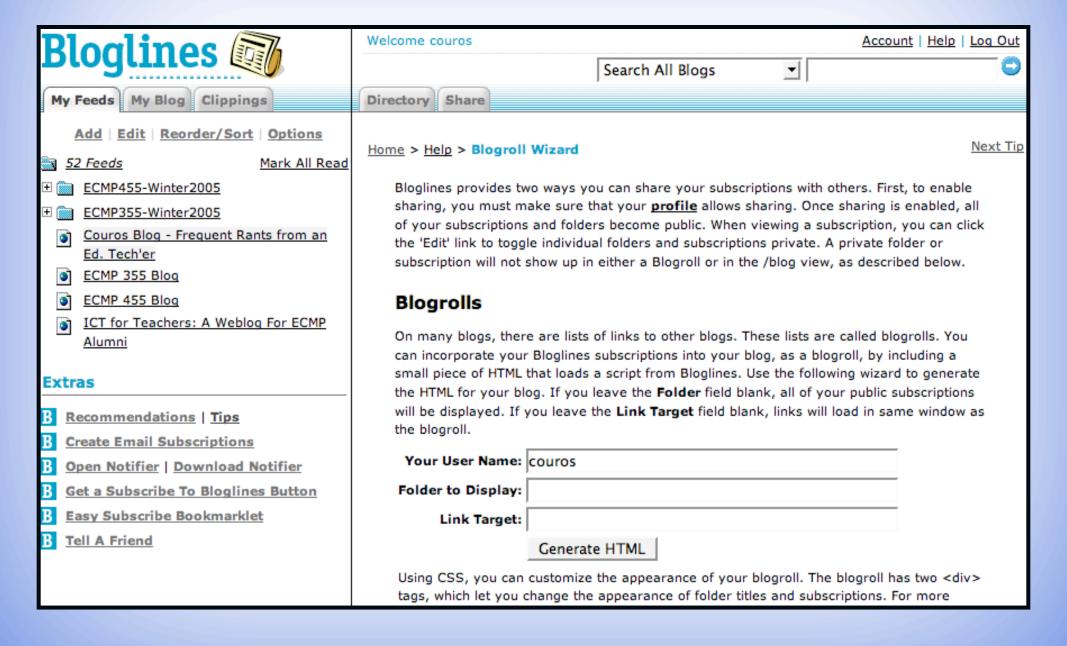
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other:

login register

Feed Aggregation



Student Directory

ECMP455 : Class Directory

Add your photo | Edit your Photo



Abdul
Ally
abdul.ally_goldenplains@saskschools.ca
Major Project | Portfolio
Blog | Blog RSS

Location: Gravelbourg



Alec
Couros
alec.couros@uregina.ca
Major Project | Portfolio
Blog | Blog RSS

Location: Regina



Brennan Hack brennanhack@hotmail.com Major Project | Portfolio Blog |

Blog | Location: Regina, Sk



Dale
Meister
meisterd@uregina.ca
Blog | Blog RSS

Location: Regina



Dan schellenberg@gmail.com



Denyne Vasseur vasseurd@uregina.ca

Continuing Developments

- Move to Moodle or Sakai vs. WebCT.
- Use an open source video conferencing tool versus WebTrain.
- Look at developing or incorporating more powerful RSS aggregation tools.
- Continue to provide and promote open source software to students.
- Encourage students to release content via copyleft licenses.
- Development of a Faculty wide blogging system.
- Continued promotion of the ICT 4 Teachers WebLog: a weblog for ECMP Alumni.

ICT4Teachers Blog

ICT for Teachers: A Weblog For ECMP Alumni

What Was Most Valuable?

Posted in Main by Jolene on the April 28th, 2005

Now that we are all done our ECMP class or classes, and are out in the working world (or will be there soon) ... I was just wondering what everyone found to be the most valuable thing that they learned in ECMP. Or what do you think will be most valuable?

For me, ECMP 355 helped me to feel much more confident using computers, and incorperating technology into my lesson plans. Before that class I would have been lost trying to make a lesson plan that included the use of technology as a tool for learning. One of the most valuable things I learned in ECMP 355 was how to make a webpage. I was able to have my students make webpages during my internship, not only for personal use, but also for group projects.

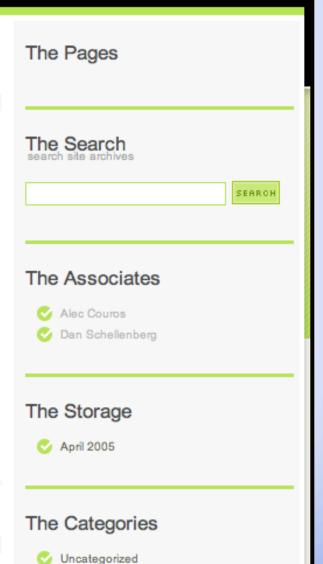
The most valuable thing that I learned in ECMP 455 was Blogging!

What about everyone else?

0 Comments

Posting!

Posted in Uncategorized by Jolene on the April 27th, 2005





Resources & Contact

Resources

- Creative Commons: http://www.creativecommons.org
- Flickr: http://www.flickr.com
- Spurl: http://www.spurl.net
- Delicious: http://del.icio.us
- The Open CD: http://www.theopencd.org
- Open Office: http://www.openoffice.org
- Blogger: http://www.blogger.com
- Wordpress: http://www.wordpress.org
- ECMP 455: http://education.uregina.ca/technology/ecmp455

Contact

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