



Supporting a Distributed Online Course

Stephen Downes

Antalya, Turkey, October 10, 2013



<http://www.ignou.ac.in/>



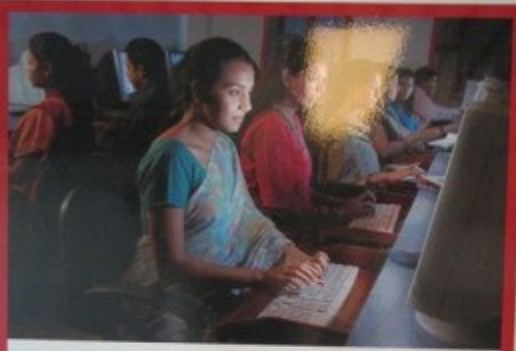
<http://www.open.ac.uk/>
<http://www.open.edu.au/>



<http://www.athabascau.ca/>

The Idea of Open Learning...

<http://www.col.org/blog/Lists/Posts/Post.aspx?ID=134>



Indian e-tutors generate \$20 million annually, teaching American students. Do you see a world of potential? We do.



James Taylor



Students awarded credible degree or credential



Participating Institutions grant credit for courses



Open assessment from participating institutions



Open student support via "Academic Volunteers International"



Learners access courses based solely on OER

The OER university concept. Adapted from Taylor (2007)

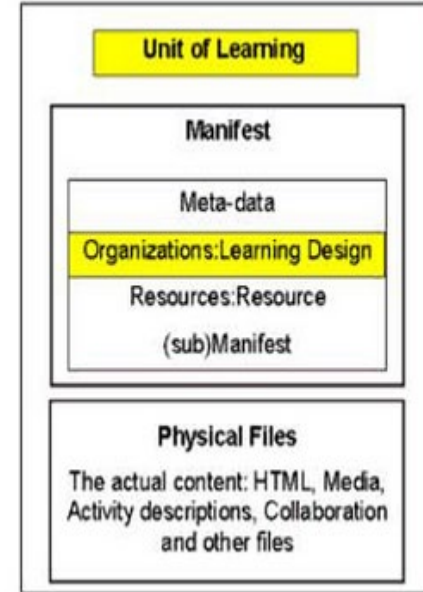
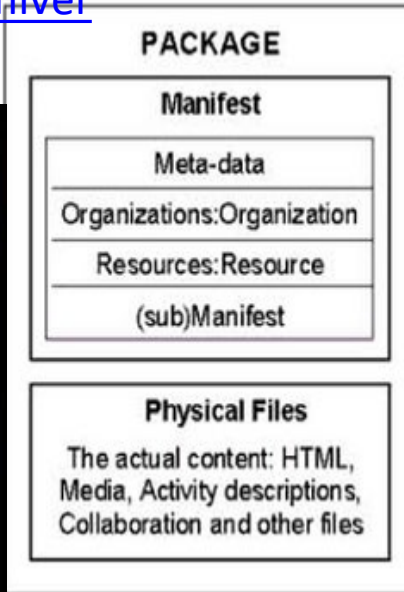


<http://www.col.org/blog/Lists/Posts/Post.aspx?ID=130>

Phases of Openness?

Phase 1

<http://zaidlearn.blogspot.com/2008/06/university-learning-ocw-oer-free.html>



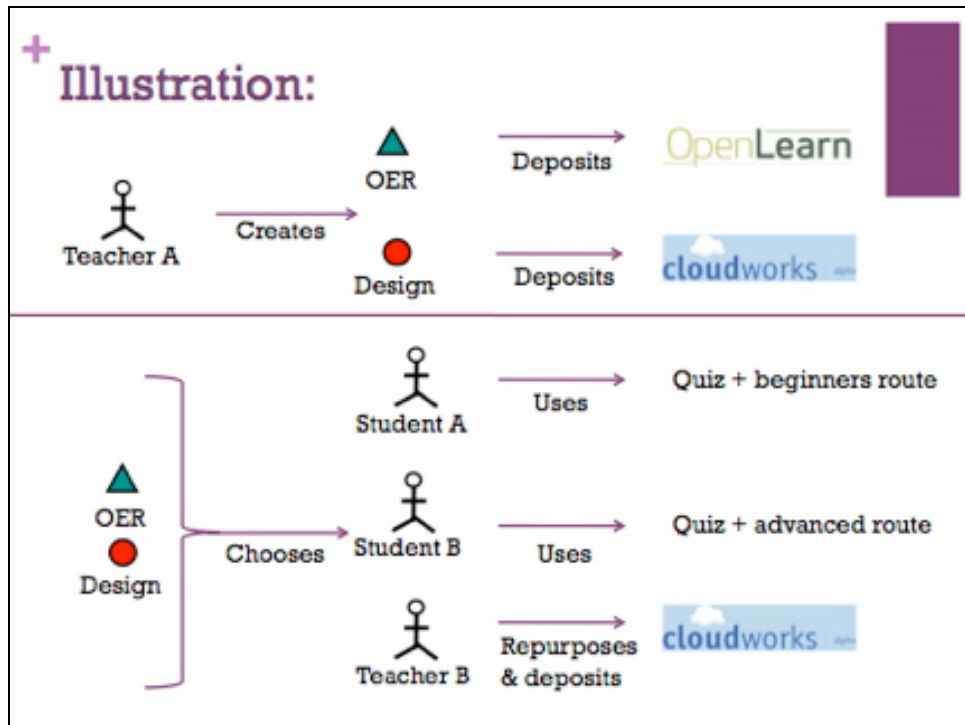
<http://www.imslobal.org/metadata/>

http://ltsc.ieee.org/wg12/files/LOM_1484_12_1_v1_Final_Draft.pdf

<http://creativecommons.org/>

Open Educational Resources

Phase 2



<http://www.educause.edu/Resources/BeyondOERShiftingFocusToOpenEd/224619>

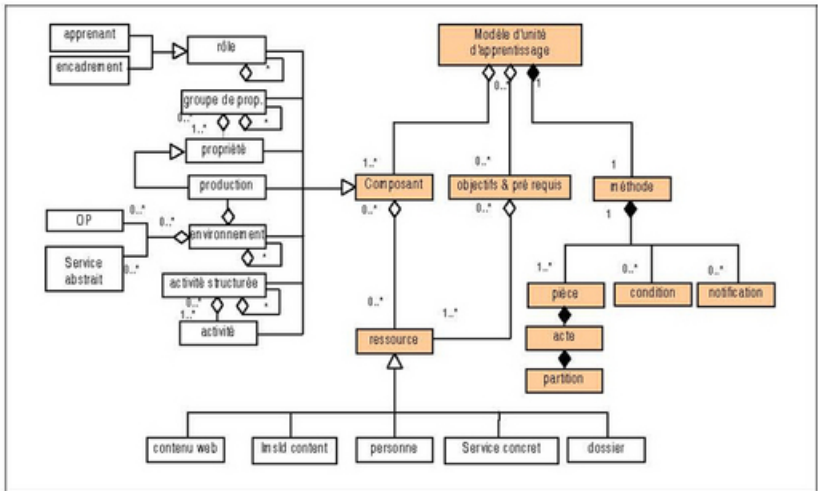
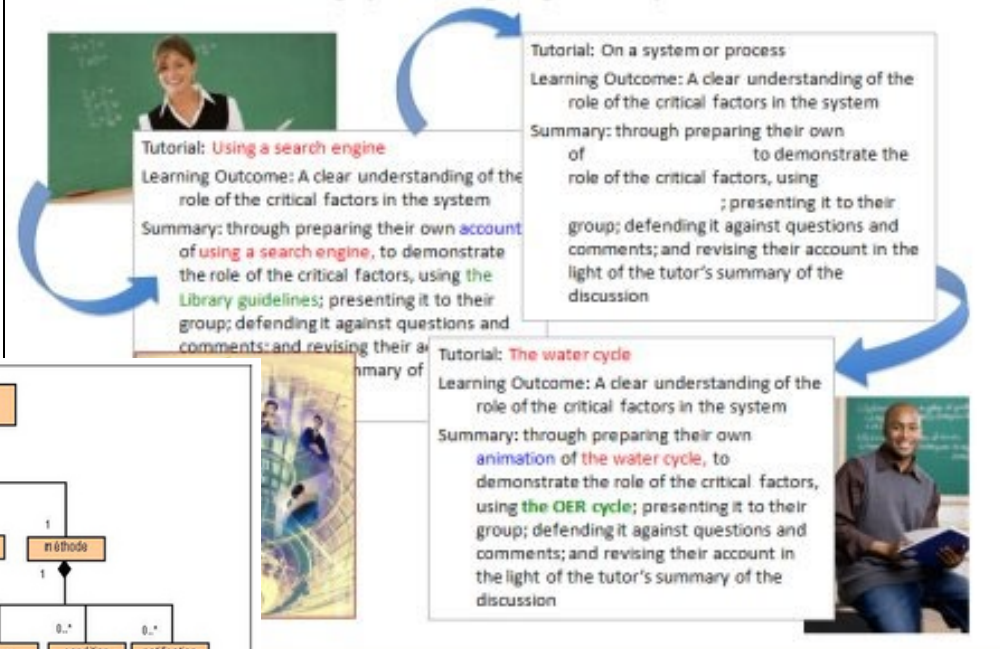
<http://opal.innovationpros.net/news/launch-of-tools-to-enable-open-educational-practices/>

...the Open Educational Practices movement, developed by Germany's [Ulf-Daniel Ehlers](#) and the UK's [Gráinne Conole](#)...

<http://e4innovation.com/?p=373>

Learning Design & Open Practices

Sharing pedagogical patterns



<http://repository.alt.ac.uk/883/>

<http://www.imsglobal.org/learningdesign/>



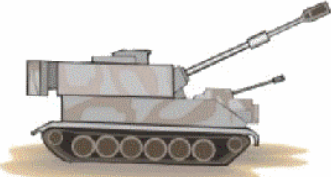

Learning Design & Patterns

Phase 3

READING HORIZONS™
DISCOVER INTENSIVE PHONICS FOR YOURSELF

Phonemic Awareness Assessment

Phonemic Awareness

CORRECT (Y)
INCORRECT (N)

List 1

HEC ASSESSMENT - Student

RESTART (R) STOP (S)

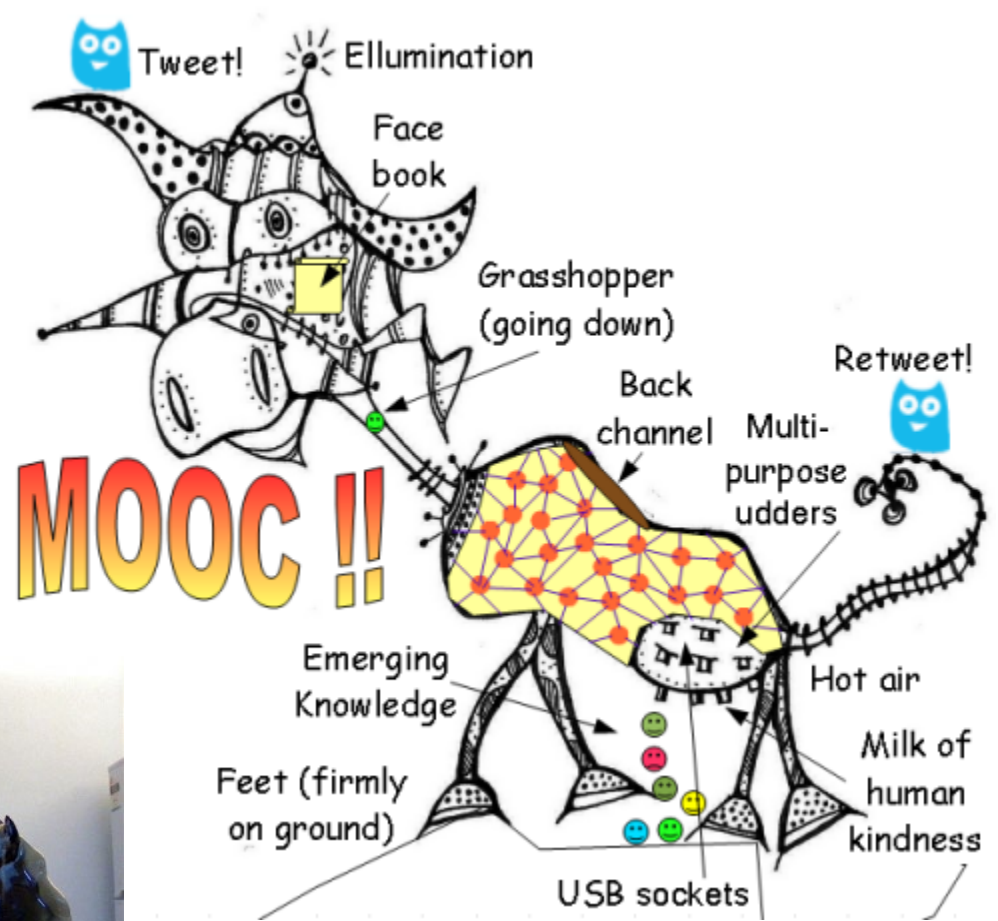
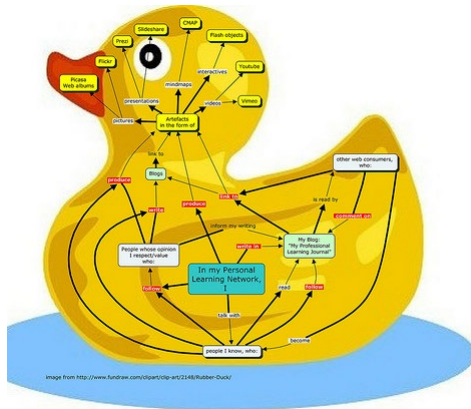


<http://www.brainbench.com/>

<http://www.aspirationtech.org/events/p2pu/openassessment/2010>

Open Assessment?

<http://www.mooc.ca>
<http://cck11.mooc.ca>



<http://suifaijohnmak.wordpress.com/2011/03/10/cck11-how-to-explain-connectivism-mooc-and-plepln/>

The MOOC...

What are MOOCs

- **Massive** – by design
- **Open** – gratis and libre
- **Online** – vs. blended and wrapped
- **Courses** – vs. communities, websites, video collections, etc

<http://mooc.ca>

CCK08

2300 students

Connectivism and Connective Knowledge

You are currently using guest access (Login)

Courses > CCK08

Links
CCK08 Facebook Group

Activities
Forums
Resources

Topic outline

Connectivism and Connective Knowledge is a twelve week course that will explore the concepts of connectivism and connective knowledge and explore their application as a framework for theories of teaching and learning. It will outline a connectivist understanding of educational systems of the future.

- Introductions
- Google Map of participants
- General Forum
- Connectivas Spanish pageflakes site
- Connectivism English Pageflakes site
- Week 1: What is connectivism
- Week 2: Rethinking Knowledge
- Week 3: Networks
- Week 4: History of Learning Networks
- Week 5: Groups and Networks
- Week 6: Complexity and Chaos
- Week 7: Instructional Design
- Week 8: Power, Authority, Control
- Week 9: Changing Roles
- Week 10: Openness
- Week 11: Systemic Change
- Week 12: Next Steps and Research

1 What is Connectivism?
2 Rethinking epistemology: Connective knowledge
3 Properties of Networks
4 History of networked learning
5 Connectives and Collectives: Distinctions between networks and groups
6 Complexity, Chaos and Research
7 Instructional design and connectivism
8 Power, control, validity, and authority in distributed environments
9 What becomes of the teacher? New roles for educators
10 Openness: social change and future directions

Calendar
February 2013

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23

Connectivism & Connective Knowledge

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

[Options] [The Daily Archives] [The Daily RSS Feed] [Feeds] [Posts] [Places]

The Daily

October 15, 2008

Elluminate Discussions Today

Today we welcome Alec Couros into our course and our week 6 discussion of chaos and complexity. Two Elluminate discussions (both sessions can be accessed via this link): 11 am CST: See [time zone conversions](#) 7 pm CST: See [time zone conversions](#). Alec Couros will be presenting during both times, followed by informal conversation.

Highlighted Resources

Connected Without Modem?

Is feedback a form of coercion? Muru writes, "I have seen some behaviourism taking place in the feedback or lack of feedback given, I perceive some kind of light coercion going on, not in a direct way. It is in a vicarious way, I ignore your behavior and acknowledge the behaviour that I consider right for

<http://wwwapps.cc.umanitoba.ca/moodle/course/view.php?id=20>

<http://connect.downes.ca/cgi-bin/archive.cgi?page=thedaily.htm>

Other Courses

PLENK2010
Personal Learning Environments
Networks and Knowledge 2010

home discussion wiki the daily blog live sessions recordings about

Schedule

WEEK OF...
12TH SEPTEMBER 2010
[A TOUR OF PLEs AND PLNs](#)

19TH SEPTEMBER 2010
[CONTRASTING PLEs WITH LMSS](#)

26TH SEPTEMBER 2010
[THE NEXT/EXTENDED WEB](#)

3RD OCTOBER 2010
[PLE/PLN AND LEARNING THEORIES](#)

10TH OCTOBER 2010
[EVALUATING LEARNING IN PLE/NS](#)

17TH OCTOBER 2010
[USING PLEs SUCCESSFULLY](#)

24TH OCTOBER 2010
[PLE/N TOOLS](#)

31ST OCTOBER 2010
[PERSONAL KNOWLEDGE](#)

Welcome to the Course

YOU ARE LOGGED IN AS [NAME] [LOGOUT]

SEE I CAN PLENK, YOO!

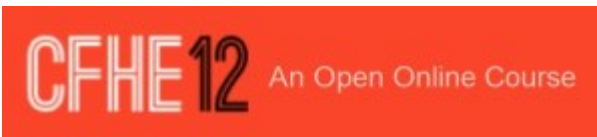
PLENK 2010

If you would like to register for PLENK2010 there's still time!
[Click here to Register](#)

If you have subscribed to The Daily, then you will receive...

1800 students

<http://connect.downes.ca/>



3000 students

<http://edfuture.net/>

CHANGE.MOOC.CA

home about contact

YOU ARE LOGGED IN AS DOWNES [OPTIONS] [LOGOUT]

Contents

Calendar

Week 35: Terry Anderson
Change in formal education systems

Announcements

Terry Anderson Session Recording

Terry Anderson's week35 session recordings:

- [MP3 Audio](#)
- [Elluminate Recording](#)
- [Slides](#)

Week 35: Terry Anderson

Live Session Today

This is the last week of the Change11 course and we are pleased to welcome Terry Anderson. Our live session is **TODAY**.

This Course

- [Home Page](#)
- [About This Course](#)
- [Course Outline](#)
- [How It Works](#)
- [Course Facilitators](#)
- [Your Privacy](#)
- [Contact Us](#)

Your Account

- [Register](#)
- [Login](#)
- [Manage Account](#)

2800 students

<http://change.mooc.ca/>

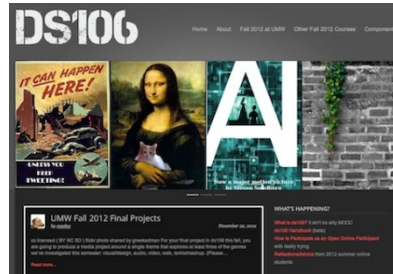
cMOOC vs xMOOC



networks

tasks

content



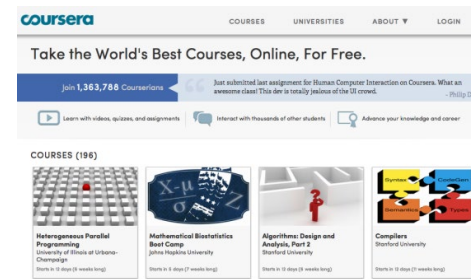
<http://ds106.us/history/>



<http://lisahistory.net/wordpress/2012/08/three-kinds-of-moocs/>



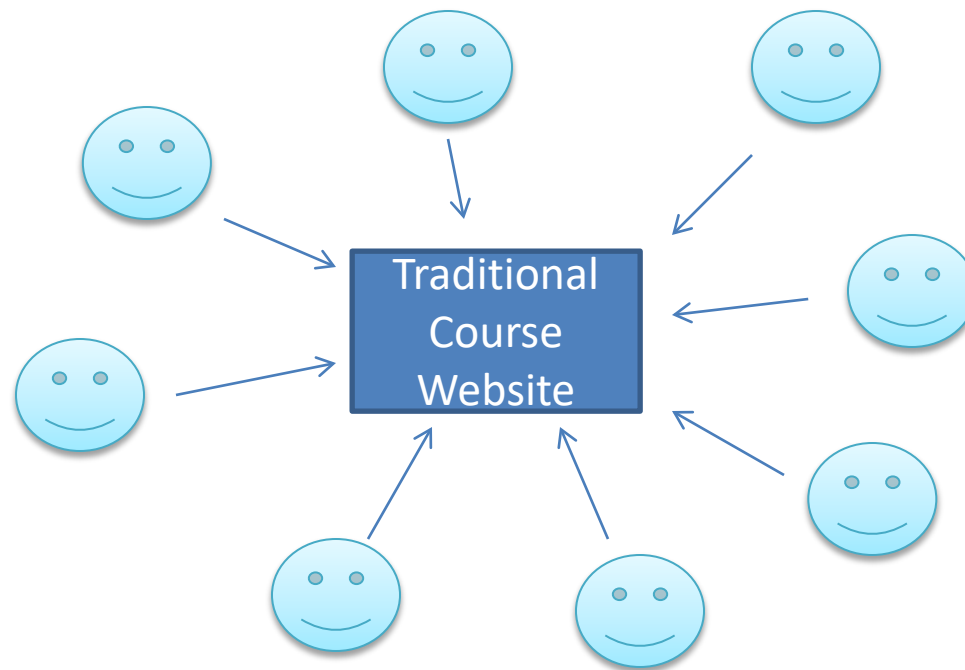
<https://www.ai-class.com/>



<https://www.coursera.org/>

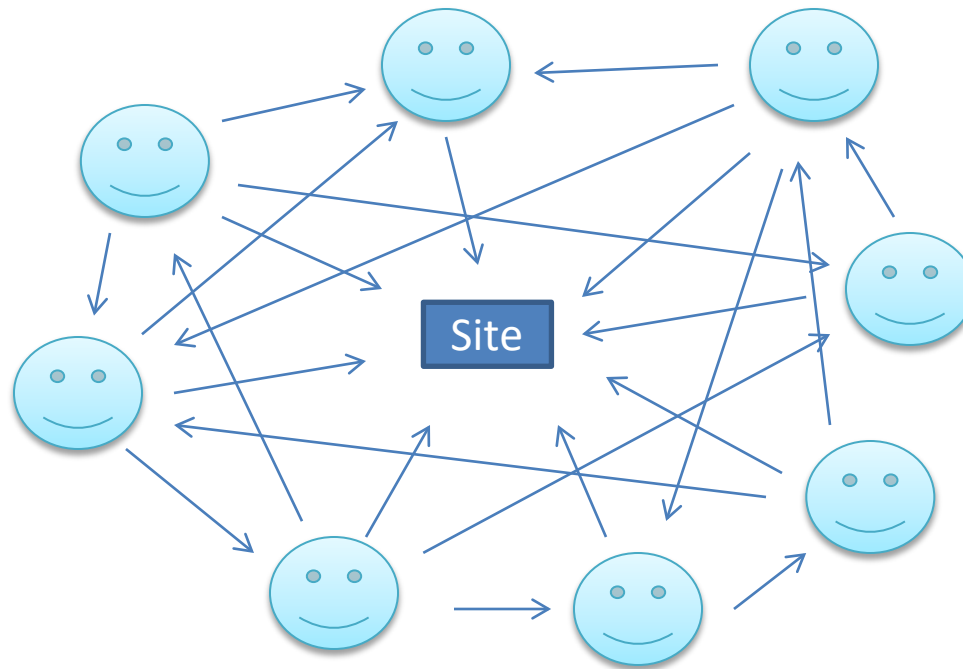


Traditional Course



Most online courses are based on websites (even Coursera, Khan and Udemy)

Massive Open Online Course



A MOOC is a Web, not a Website

Underlying MOOC Support

1. First student creates resource and sends info to course



Site

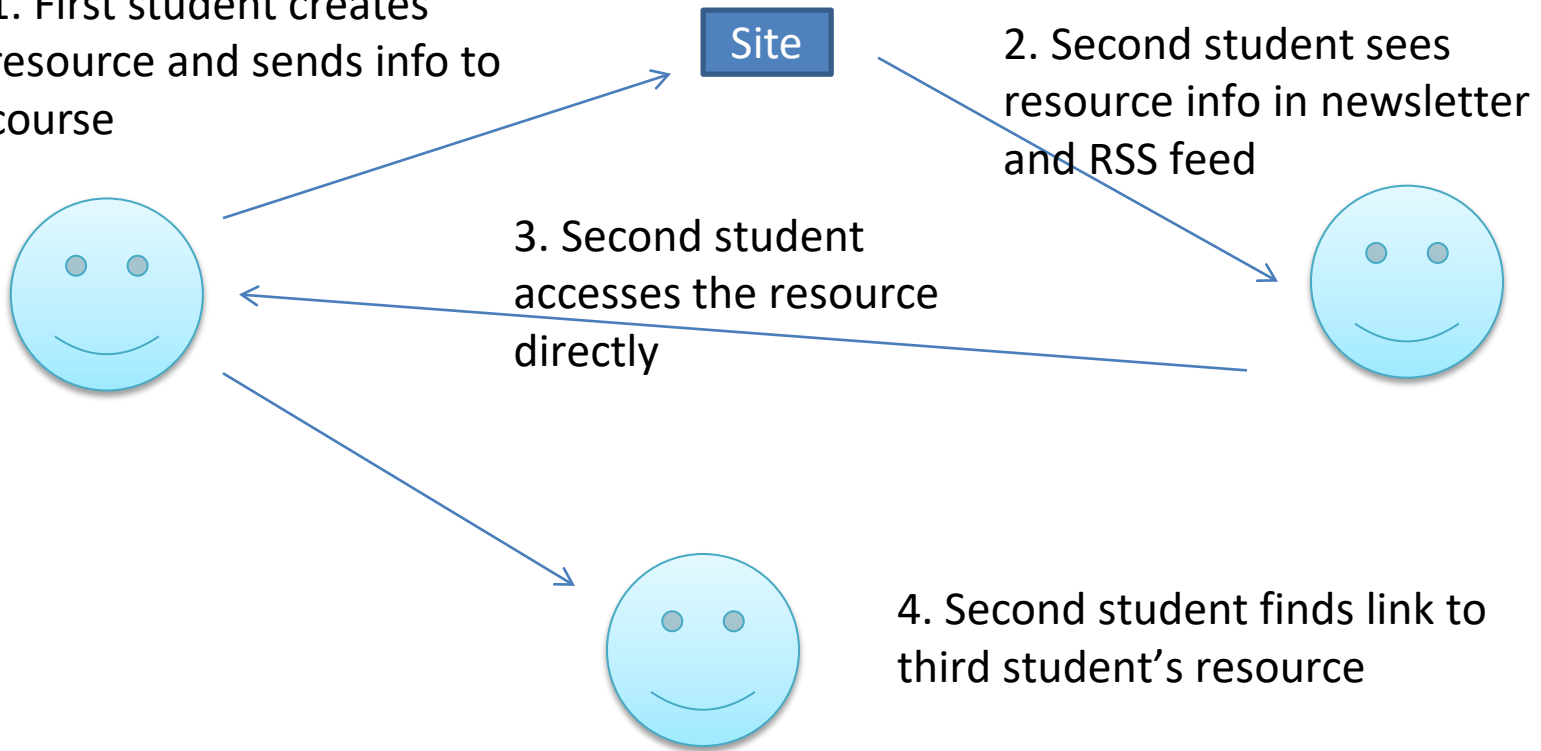
2. Second student sees resource info in newsletter and RSS feed



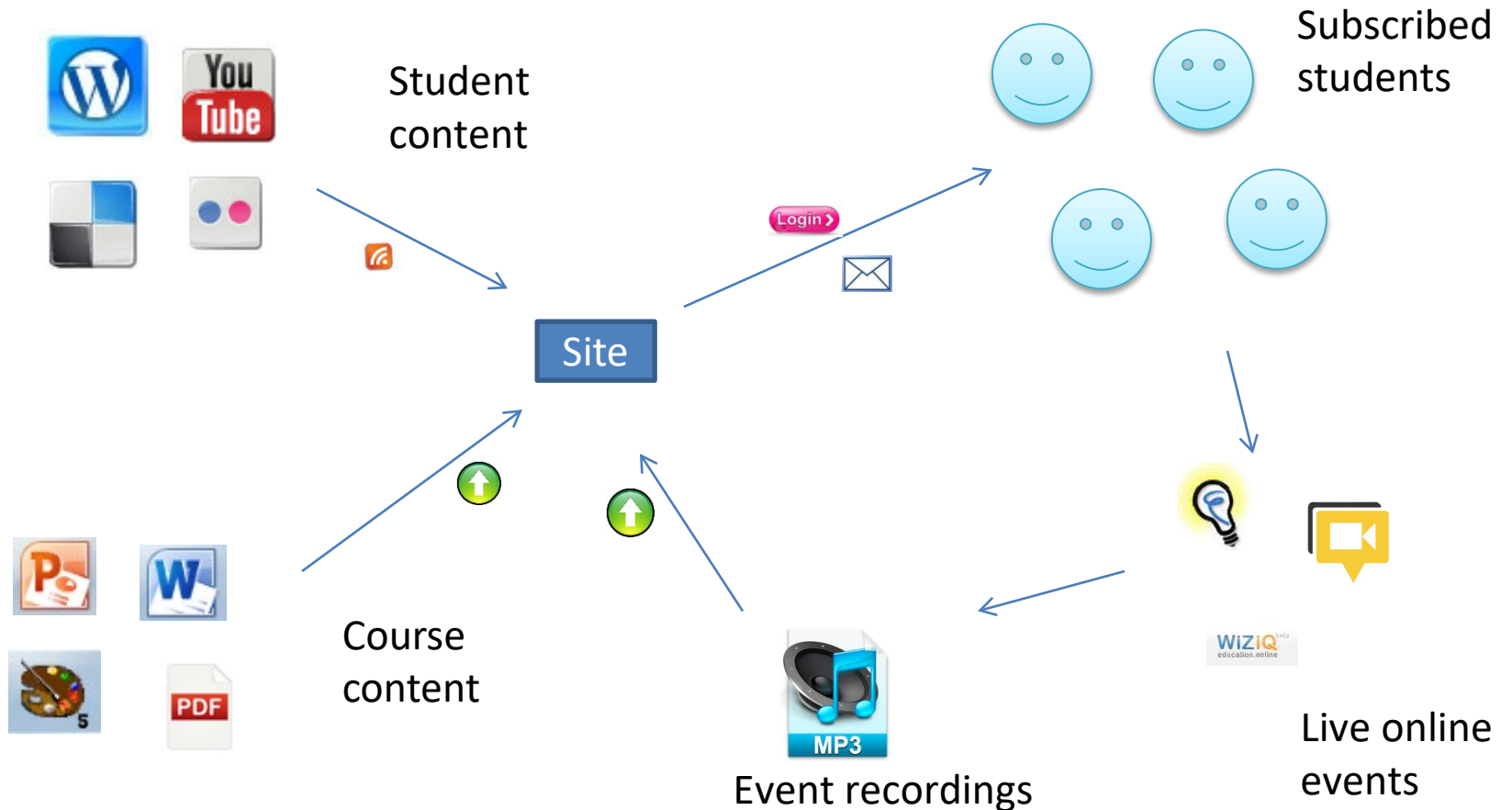
3. Second student accesses the resource directly



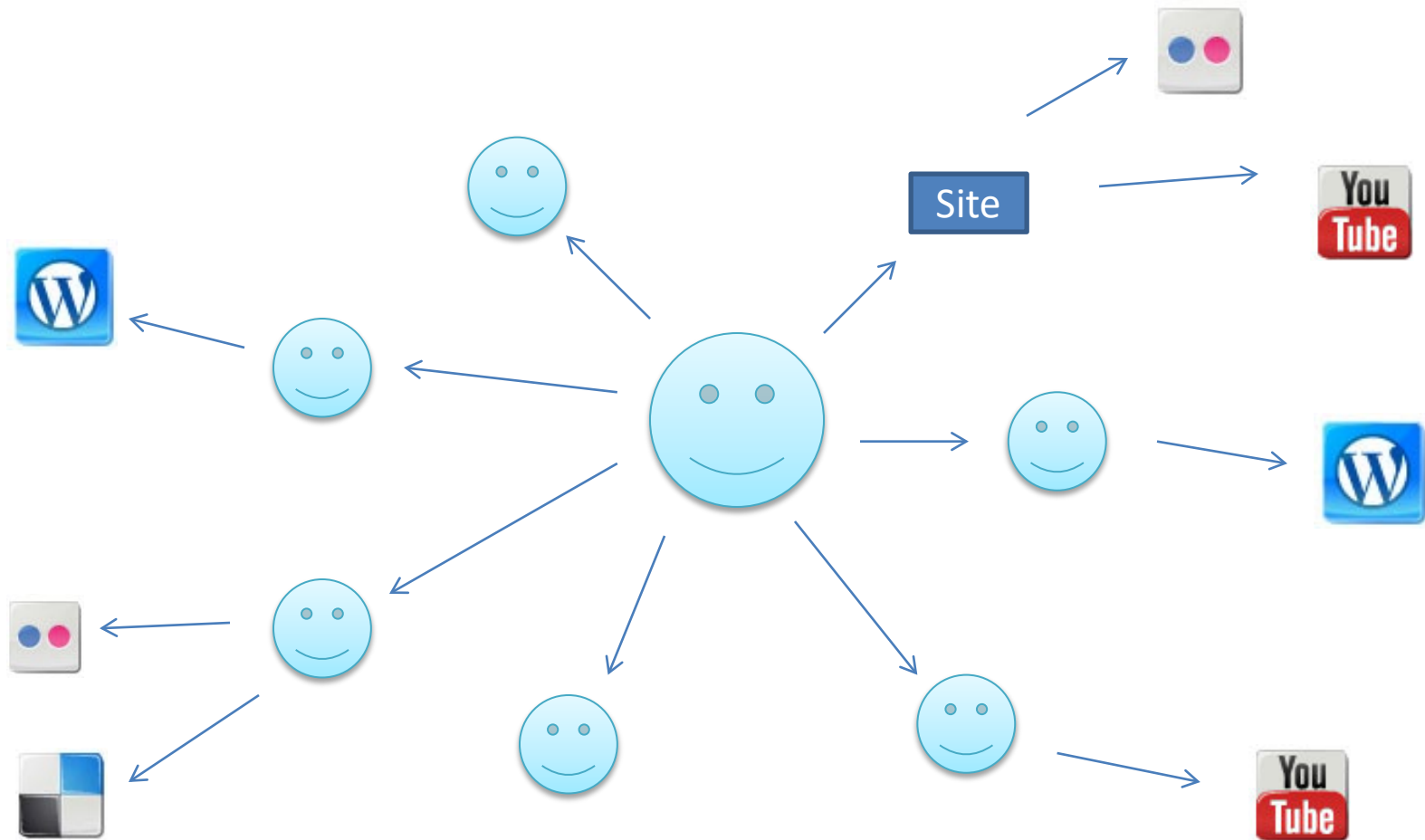
4. Second student finds link to third student's resource



Course Provider Perspective



The Student's Perspective



A range of different resources and services

gRSShopper Functionality

Harvester

- atom, RSS, JSON
- blogs, discussions, pages
- Twitter, Facebook, etc

User management

- Login and authentication
- Newsletter subscription
- Social network information

Feed Manager

Site Manager

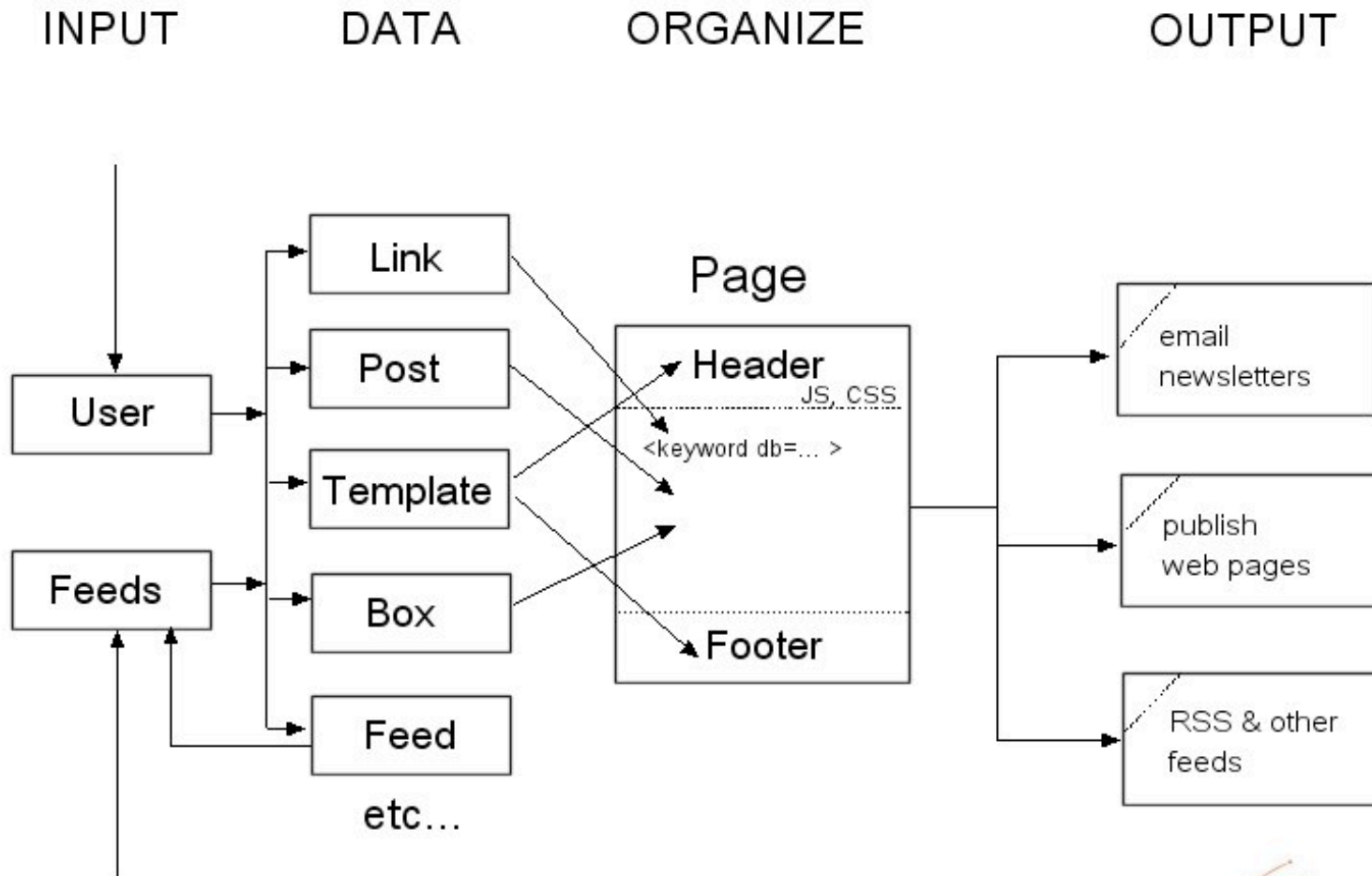
- Course pages
- Events, etc.
- Newsletter pages



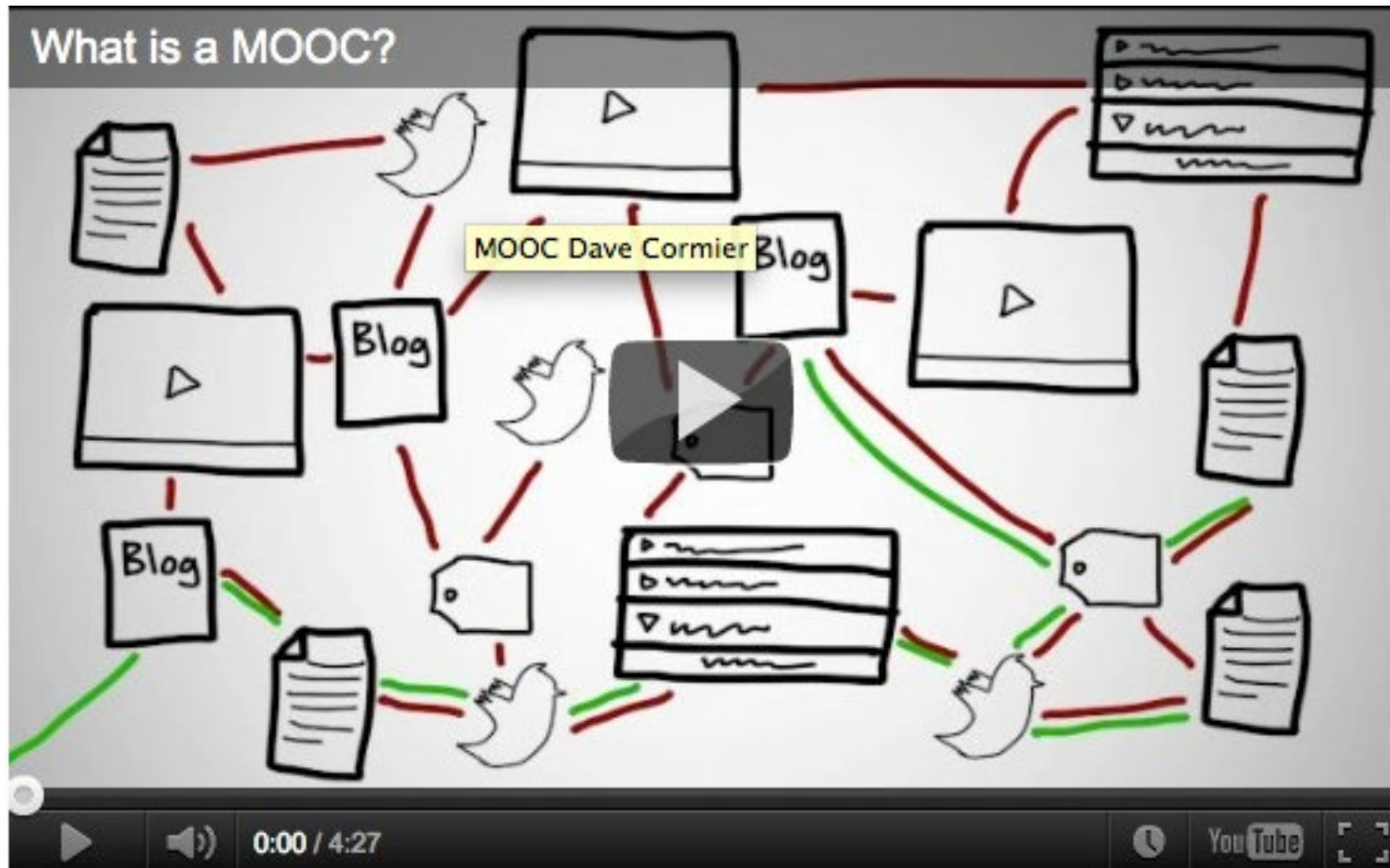
Distribution

- Email newsletter
- RSS / Atom / JSON feeds
- API to Twitter, Facebook, etc

gRSShopper Flow



How to Learn in a cMOOC

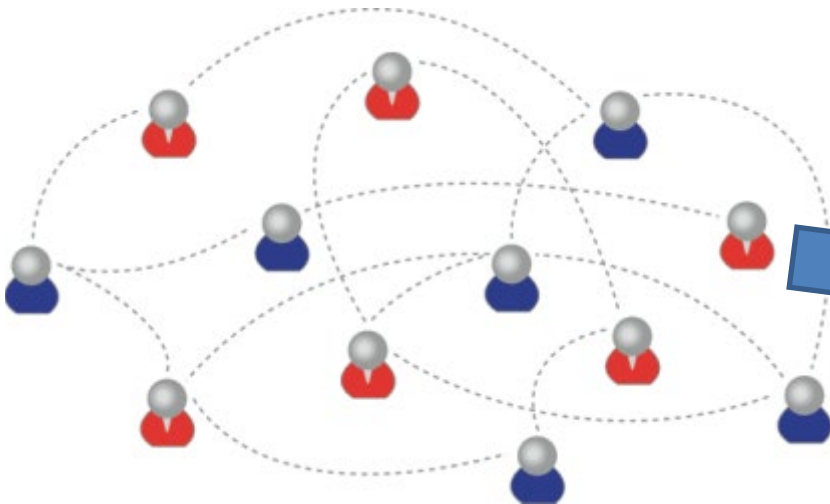


A process of immersion into a knowing community

<http://www.tonybates.ca/2012/03/03/more-reflections-on-moocs-and-mitx/>

How to Create a cMOOC

- It's like creating a network
- Don't centralize
- Concentrate on the creation of links



We use social networks...

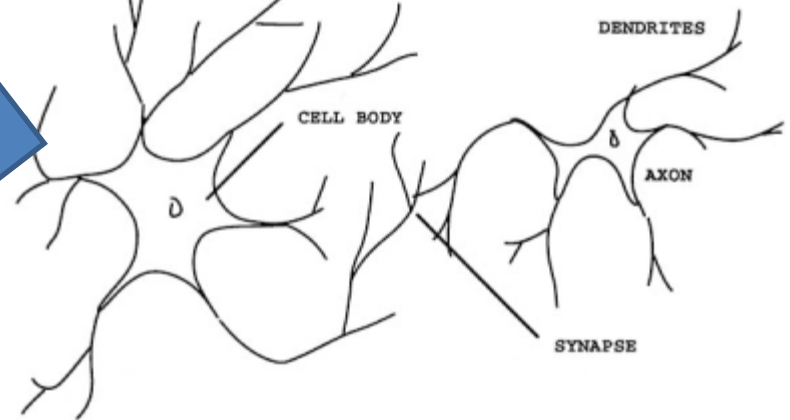
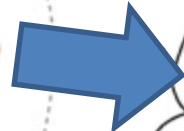
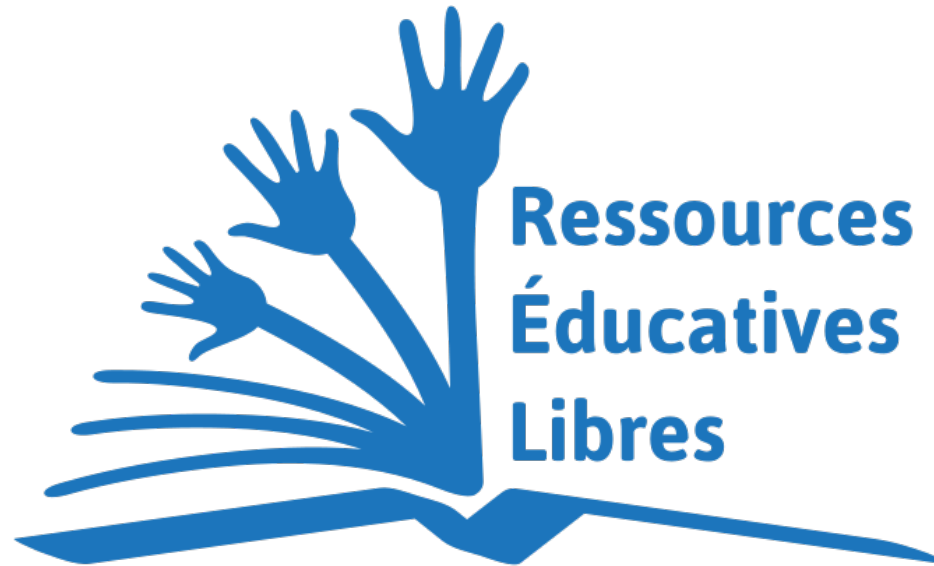


Figure 1. Biological Neuron

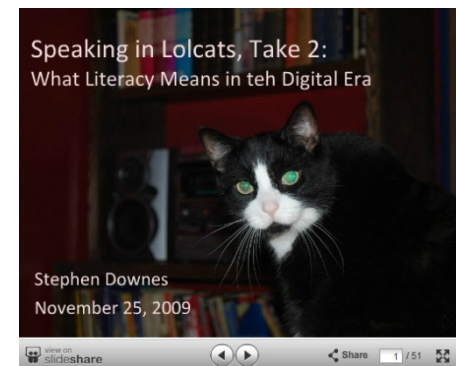
... to create personal knowledge

Why Open Educational Resources?



Learning activities are essentially conversations

OERs are the *words* used in those conversations



<http://www.downes.ca/presentation/233>

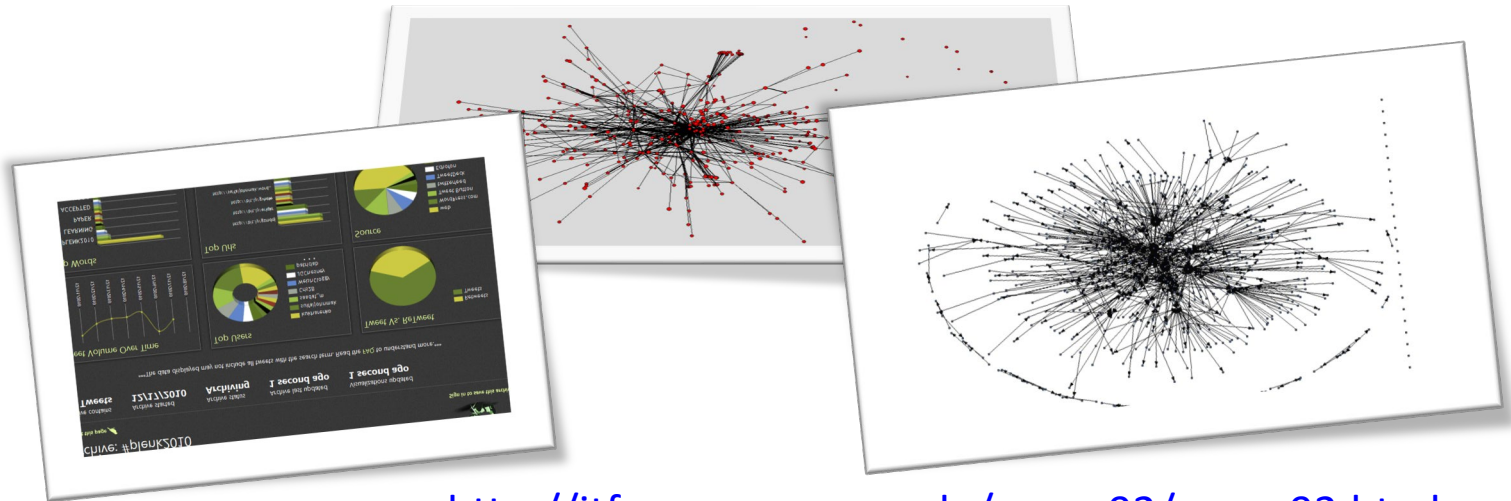
Success Factors

- What sort of decentralized network will best support learning-as-growth?



The Semantic Condition

- Autonomy, diversity, openness, interactivity
- These conditions are the conditions for a constructive dialogue...
- And are thus the design principles for a MOOC



<http://itforum.coe.uga.edu/paper92/paper92.html>

Design Principles

Autonomy

- Choice of contents
- Personal learning
- No curriculum

Openness

- Open access
- Open content
- Open activities
- Open assessment

Diversity

- Multiple tools
- Individual perspective
- Varied content

Interactivity

- Encourage communication
- Cooperative learning
- Emergent knowledge

How to Evaluate Learning

- Learning is not possession of a collection of facts, it's the expression of a capacity
- Learning is recognized by a community of experts in a network

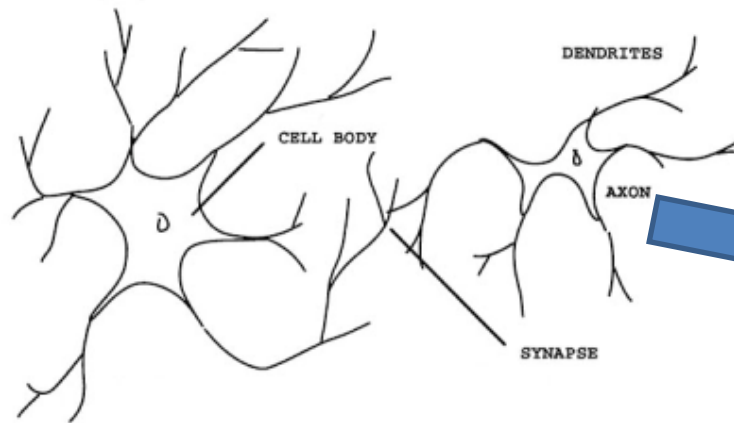
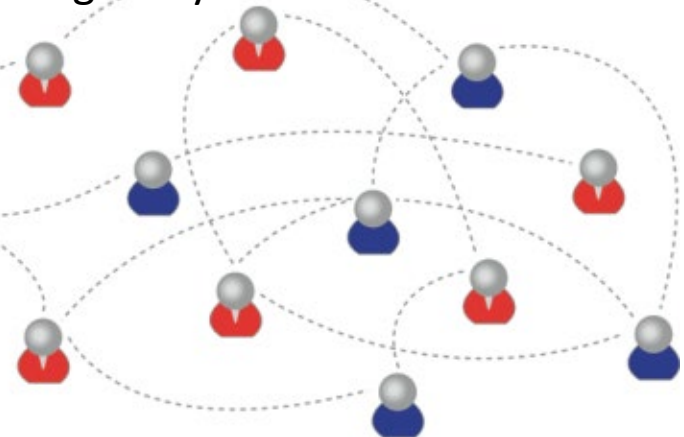


Figure 1. Biological Neuron

Learning analytics



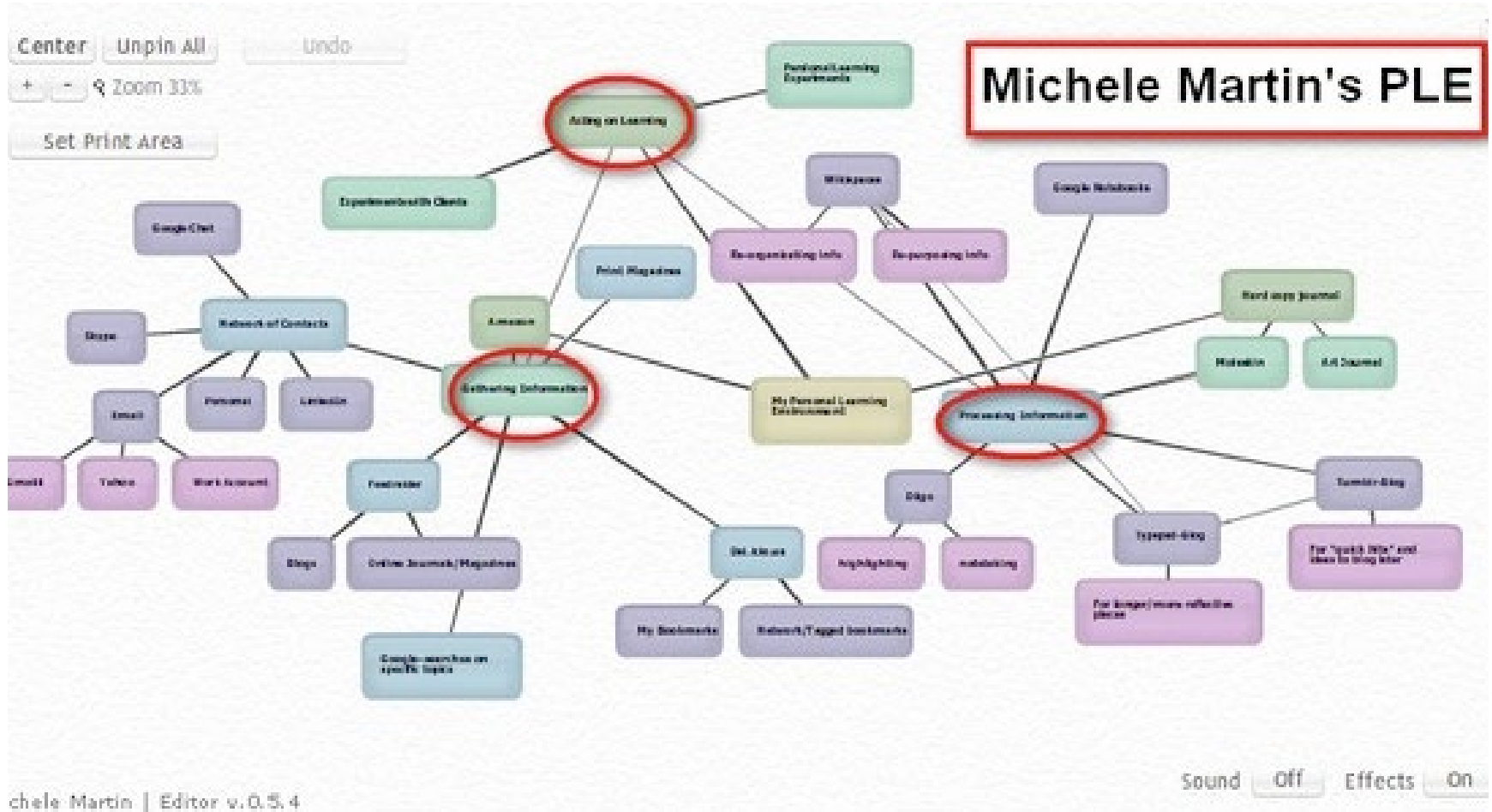
We recognize our understandings...

...by the way we use them in our social network

Aggregated Conversations



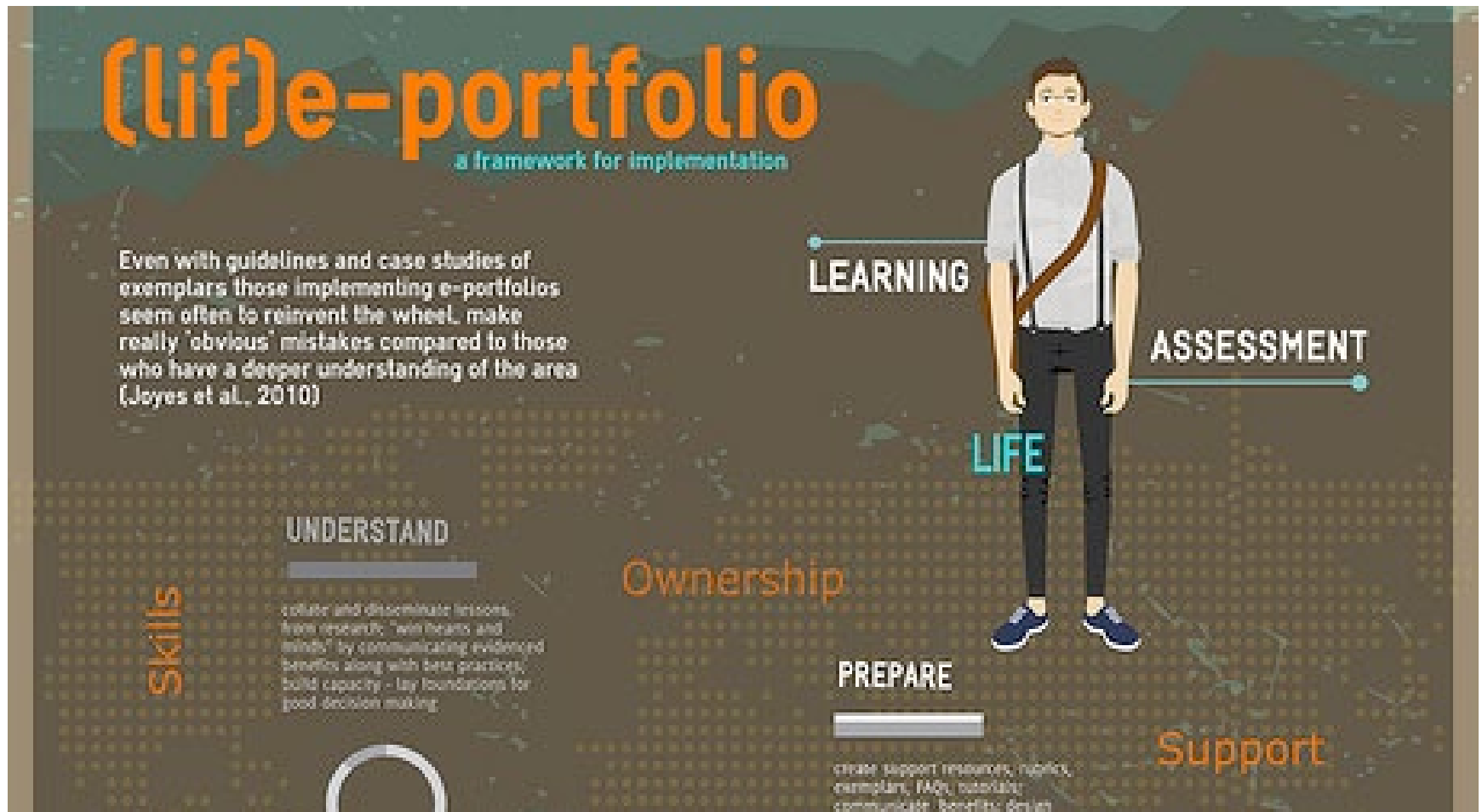
Personal Learning



<http://dmlcentral.net/blog/howard-rheingold/diy-u-interview-anya-kamenetz>

<http://www.downes.ca/post/58150>

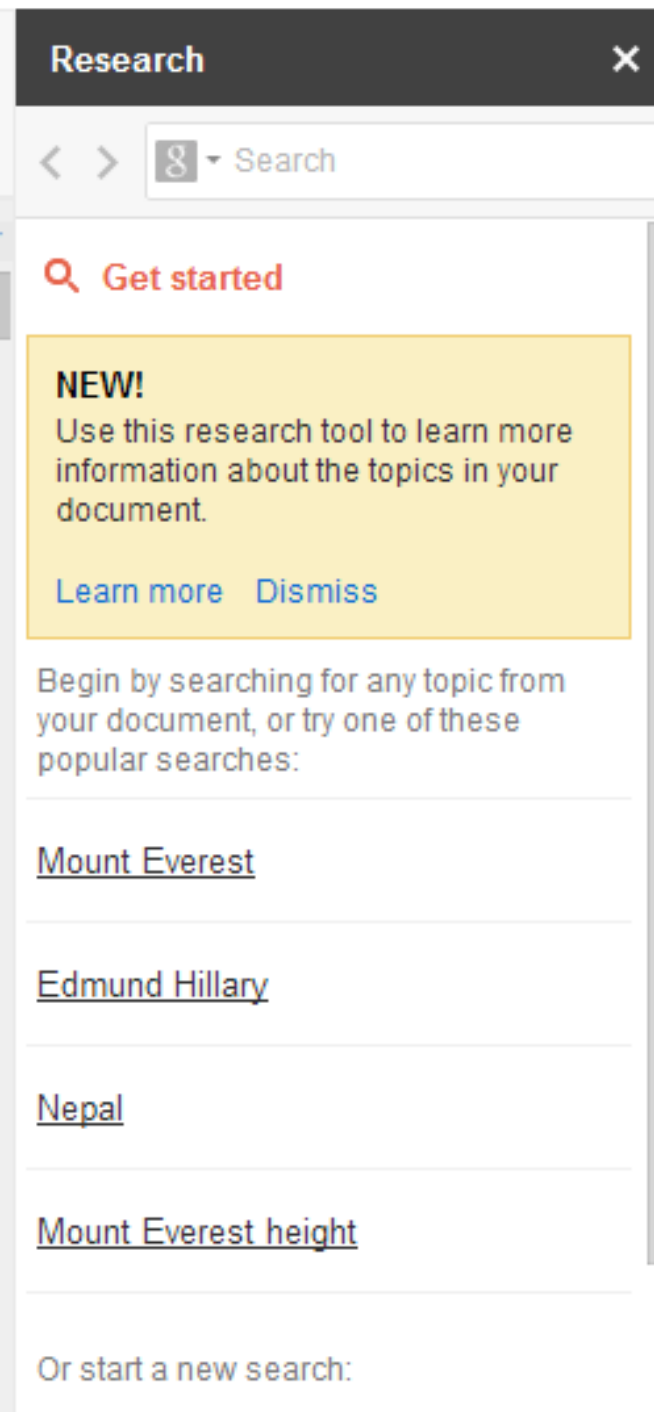
Life portfolio



<http://leelearning.wordpress.com/2012/05/17/life-portfolio/>

<http://www.downes.ca/post/58174>

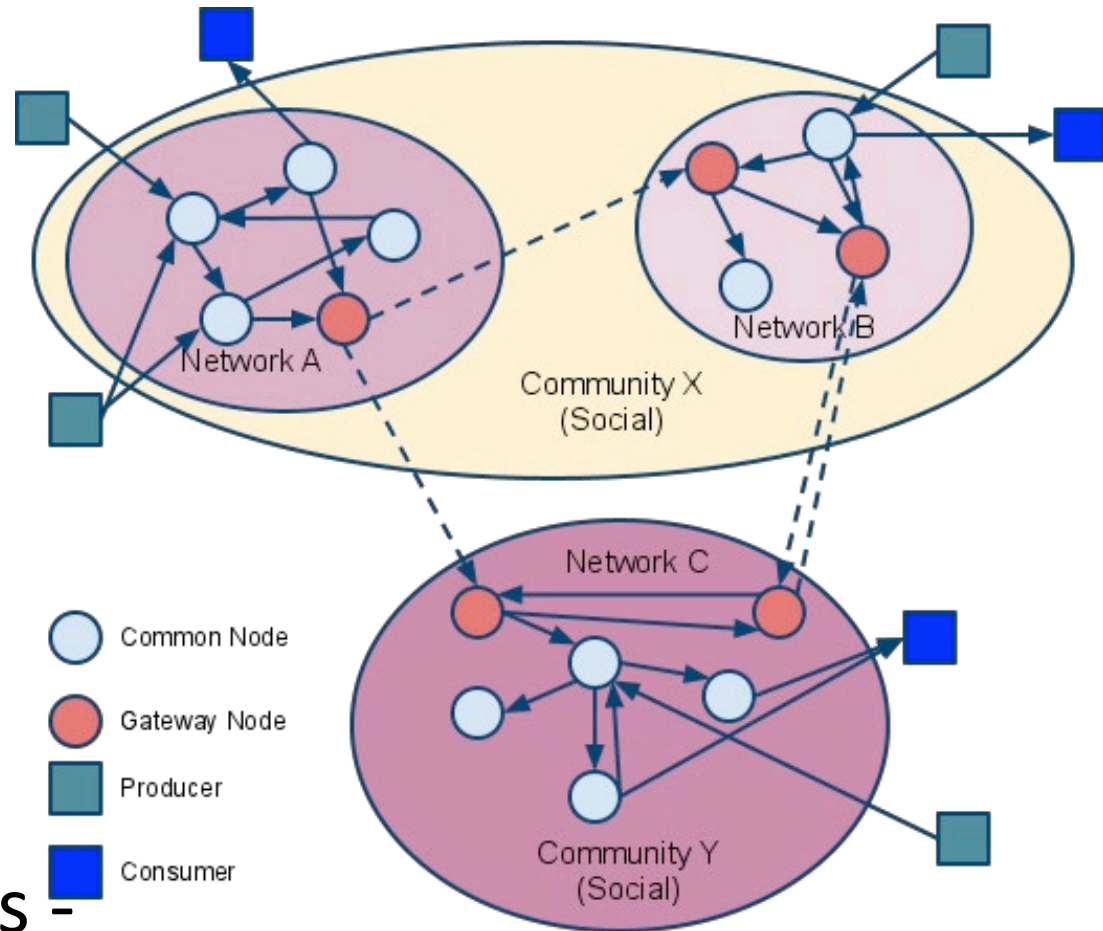
The Research Sidebar



<http://www.downes.ca/post/58163>

<http://googlesystem.blogspot.ca/2012/05/research-sidebar-in-google-docs.html>

SPAWS



paradata recipes -

<http://www.downes.ca/post/58221>

use case - <http://www.downes.ca/post/58255>

Oauth is Your Future



Twitter

Connected as @hondanhon



Facebook

Connected as Dan Hon [Unlink](#)



[Connect as a Facebook page you manage](#)



Google+

[CONNECT NOW](#)

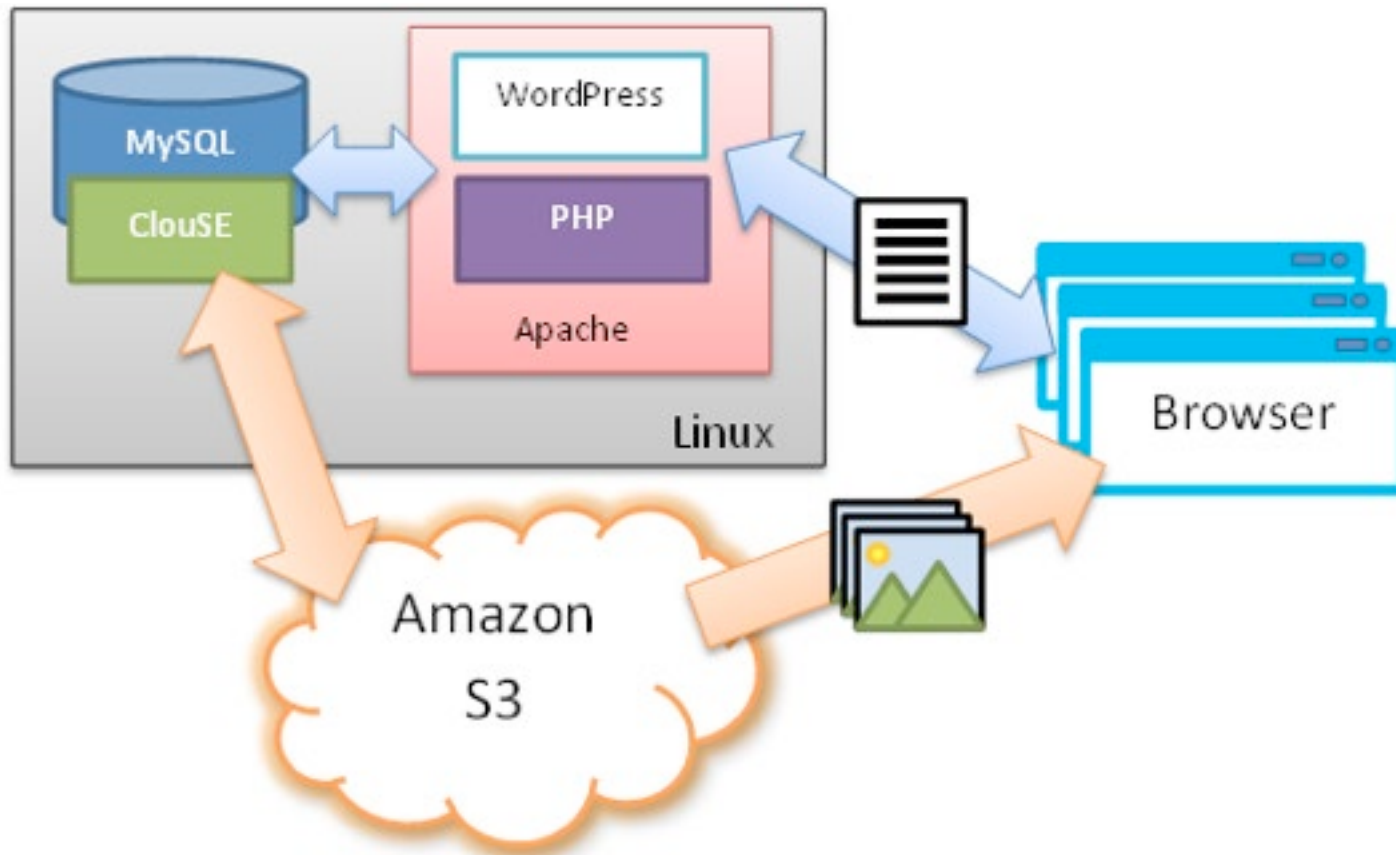


Department of
Homeland Security
Customs and Border Protection

Klout is trialling a beta program with the Department of Homeland Security and Customs and Border Protection to provide **fast entrepreneur visa entry** to individuals with high Klout scores in specific areas.

<http://www.downes.ca/post/58186>

Cloud Storage for the People



<http://www.readwriteweb.com/cloud/2012/05/s3-storage-for-wordpress-blogs.php>

<http://www.downes.ca/post/58189>



<http://www.downes.ca>