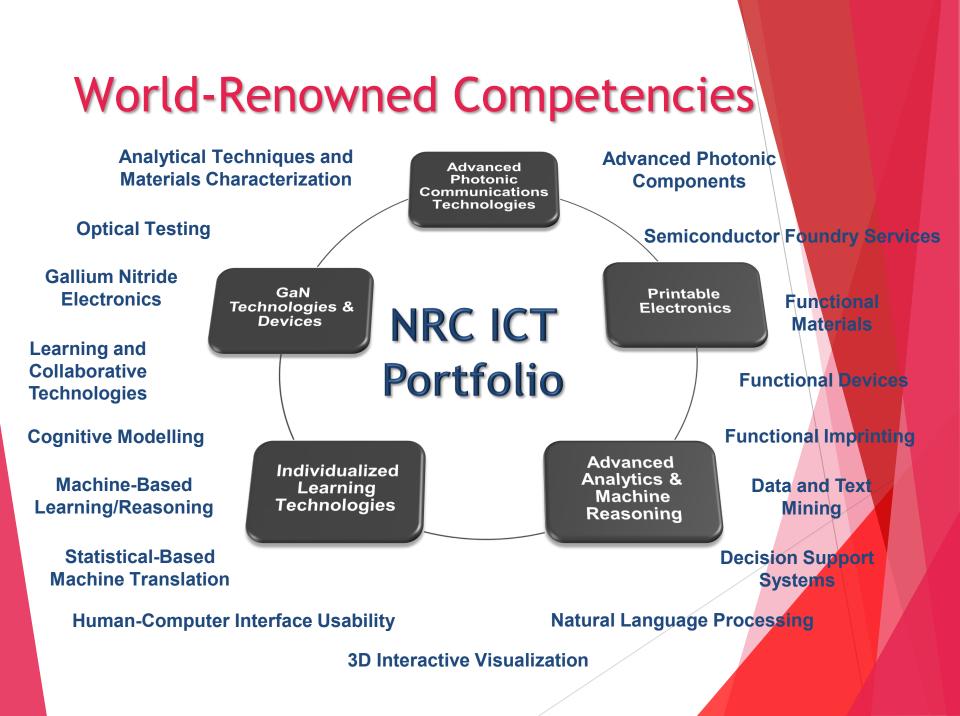
The Rise of MOOCs Past Successes, Future Challenges



Stephen Downes Tunis, March 24, 2014

http://www.downes.ca/presentation/337



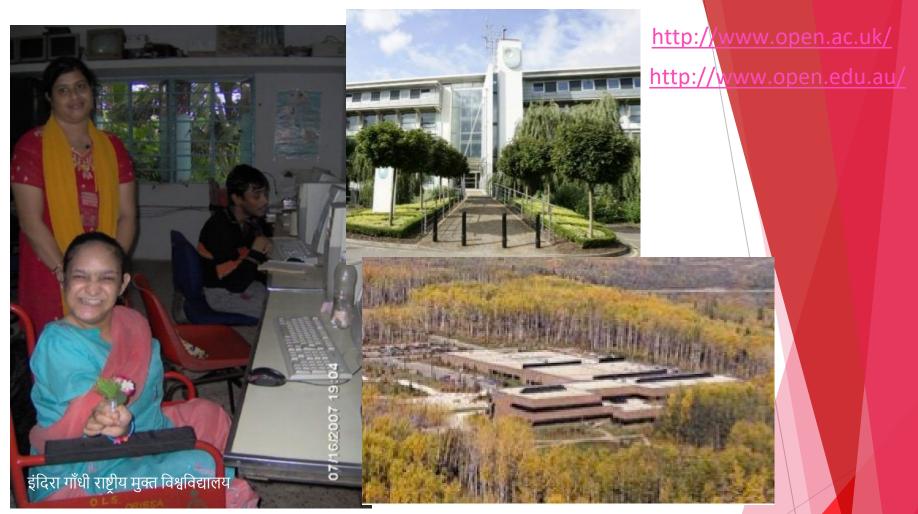
The Skills Shortage



Learning Objects Anatomy of an e-Learning Object xml metadata Practice Interoperability with Learn Objective management systems and databases Assess

Learning Objects: Resources For Distance Education Worldwide http://www.irrodl.org/index.php/irrodl/article/view/32

http://download.macromedia.com/pub/solutions/downloads/elearning/elusive_vision.pdf page 4



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

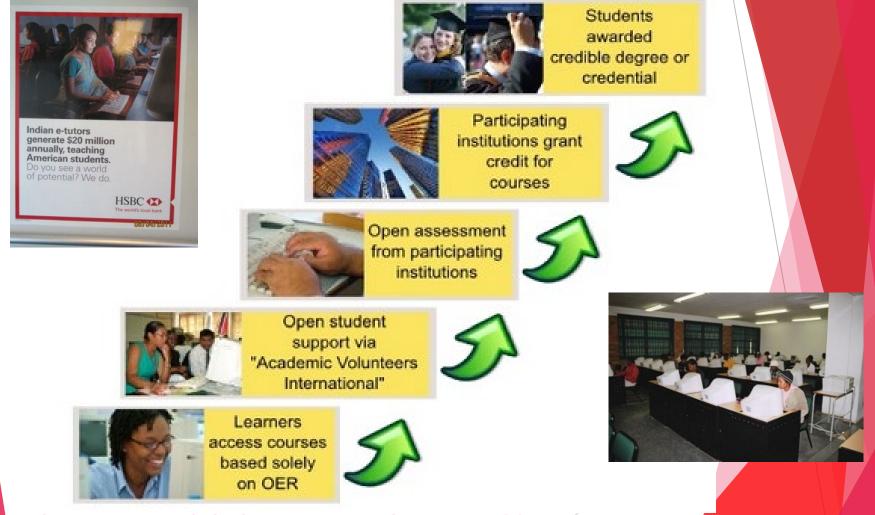
http://www.athabascau.ca/

The Idea of Open Learning...

Open Educational Resources

- 'teaching, learning and research materials
- any medium, digital or otherwise
- reside in the public domain or have been released under an open license
- no-cost access, use, adaptation and redistribution by others with no or limited restrictions.

The OERu 'Logic Model'



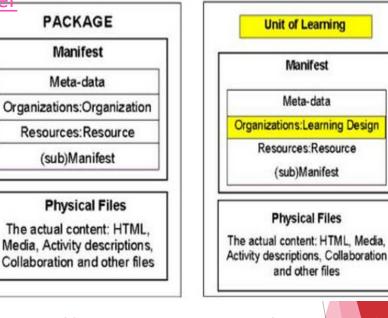
http://www.slideshare.net/mackiwg/oeru2011-11meetinginputs

Phase 1

http://zaidlearn.blogspot.com/2008/06/upiver-

sity-learning-ocw-oer-free.html





http://www.imsglobal.org/metadata/

Unit of Learning

Manifest

Meta-data

(sub)Manifest

Physical Files

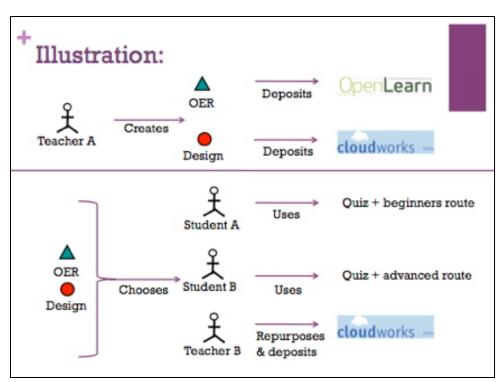
and other files

http://ltsc.ieee.org/wg12/files/LOM 1484 v1 Final Draft.pdf

http://creativecommons.org/

Open Educational Resources

Phase 2





http://www.educause.edu/Resources/BeyondO ERShiftingFocustoOpenEd/224619

http://opal.innovationpros.net/news/launch of-tools-to-enable-open-educationalpractices/

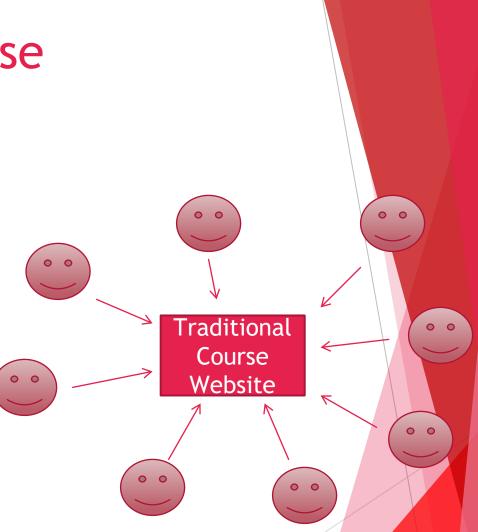
...the Open Educational Practices movement, developed by Germany's <u>Ulf-</u> <u>Daniel Ehlers</u> and the UK's <u>Gráinne Conole</u>...

http://e4innovation.com/?p=373 Learning Design & Open Practices



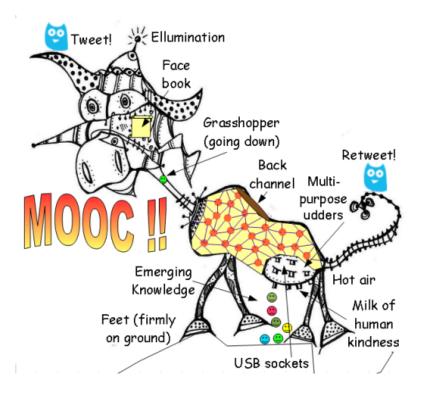
Traditional Course

In the traditional course, we just throw content at people, and hope it sticks.



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

The MOOC

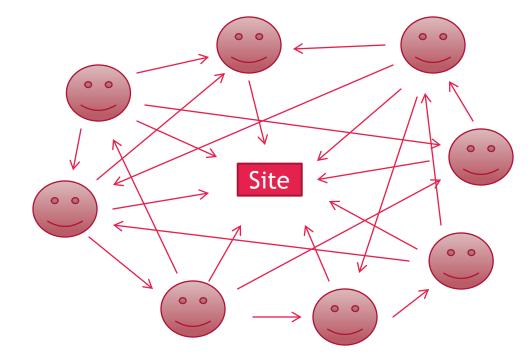


Massive - by design
Open - gratis and libre
Online - not blended, not wrapped
Courses - not

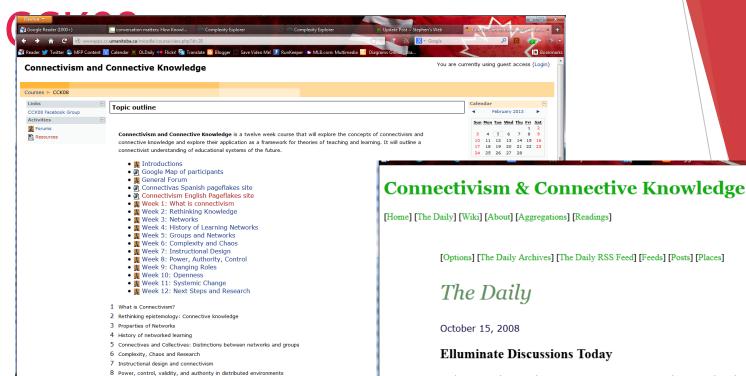
communities, websites, video collections, etc

Image: Gordon Lockhart http://gbl55.wordpress.com/2011/03/08/cck11-man-this-mooc-is-something-else/

Massive Open Online Course



A MOOC is a Web, not a Website



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 conversions7 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://connect.downes.ca/cgibin/archive.cgi?page=thedaily.htm

http://wwwapps.cc.umanitoba .ca/moodle/course/view.php?i d=20

9 What becomes of the teacher? New roles for educators

10 Openness: social change and future directions

2300 students

Other Courses

Welcome to the Course



EE! I CAN

Schedule

WEEK OF ... 12TH SEPTEMBER 2010 A TOUR OF PLES AND PLNS

19TH SEPTEMBER 2010 NTRASTING PLES WITH LMSS 26TH SEPTEMBER 2010

THE NEXT/EXTENDED WEB

3RD OCTOBER 2010 PLE/PLN AND LEARNING THEORIES

10TH OCTOBER 2010 G IN PLE/NS

17TH OCTOBER 2010

24TH OCTOBER 2010

31ST OCTOBER 2010

1800 students http://connect.downes.ca/

CFHE12 An Open Online Course

B000 students ttp://edfuture.net/

	Contents Calendar
PLENK 2010	
If you would like to register for PLENK2010 there's still	
<u>Click here to Register</u>	
If you have subscribed to The Daily, then you will receipt	Tati muning na har har ann

This Course

Home Page About This Course Course Outline How It Works Course Facilitators Your Privacy Contact Us

Your Account Register Login

home about contact YOU ARE LOGGED IN AS DOWNES [OPTIONS] [LOGOUT] Week 35: Terry Anderson Change in formal education systems Announcements Terry Anderson Session Recording Terry Anderson's week35 session recordings: - MP3 Audio

CHANGE.MOOC.CA

- Elluminate Recording

- Slides

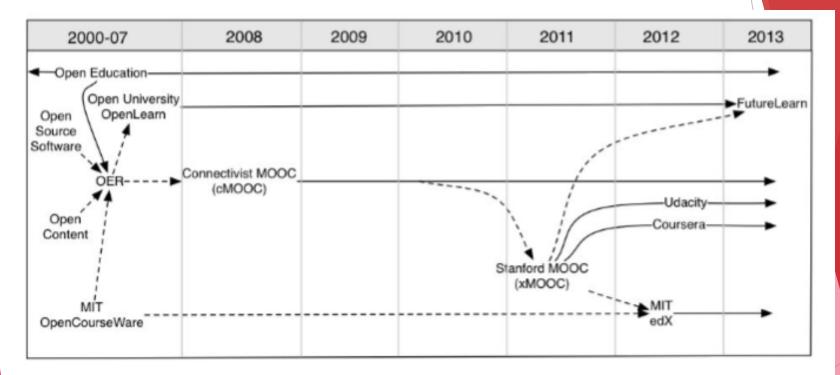
Week 35: Terry Anderson

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.



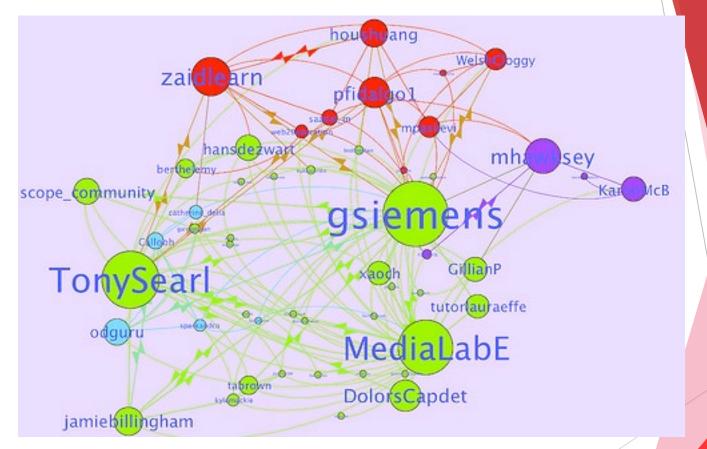
Evolution of MOOCs



An influence
 Directly related

http://publications.cetis.ac.uk/wpcontent/uploads/2013/03/MOOCs-and-Open-Education.pdf

Learning Analytics



LAK11: How to measure success in a MOOC

http://scope.bccampus.ca/course/view.php?id=365

MobiMOOC







Supporting Mobile Learning Technology

http://mobimooc.wikispaces.com/

The madness and mayhem of DS106



DS = Digital Storytelling DS106 redefined activities and participation <u>http://ds106.us/</u>

eduMOOC underground



Jeff Lebow, Google+ hangout, and Livestream: Taking something ordinary, and making it something special – YOU make the MOOC http://www.livestream.com/jefflebow/

Jeff

Lebow

Currently

REL 2014 - Pour une éducation libre

CUEIL

VOTRE COMPTE V

COMPTES RENDUS V

PARTICIPER

SYNDICATION

ARCHIVES V

Vous êtes connecté(e) en tant que admin [Déconnexion] - [Profil]



Réutiliser, Retravailler, Recombiner, Redistribuer – 4R des REL pour une Éducation libre

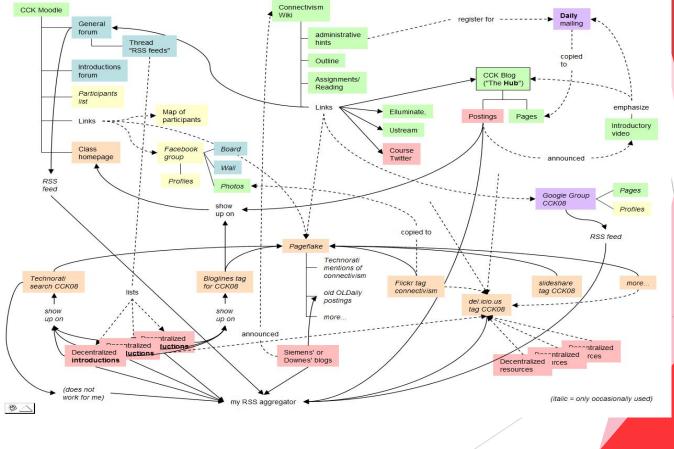
Bienvenue à votre <u>C</u>ours en <u>L</u>igne <u>O</u>uvert et <u>M</u>assif (CLOM) de l'Organisation internationale de la Francophonie portant sur les ressources éducatives libres (REL).

Le cours débute le 3 mars 2014 et dure neuf semaines consécutives. Si vous n'êtes pas déjà inscrit(e), faites-le tout de suite pour recevoir le Bulletin de nouvelles quotidiennes et bénéficier du droit de commentaires/discussion dans le site.

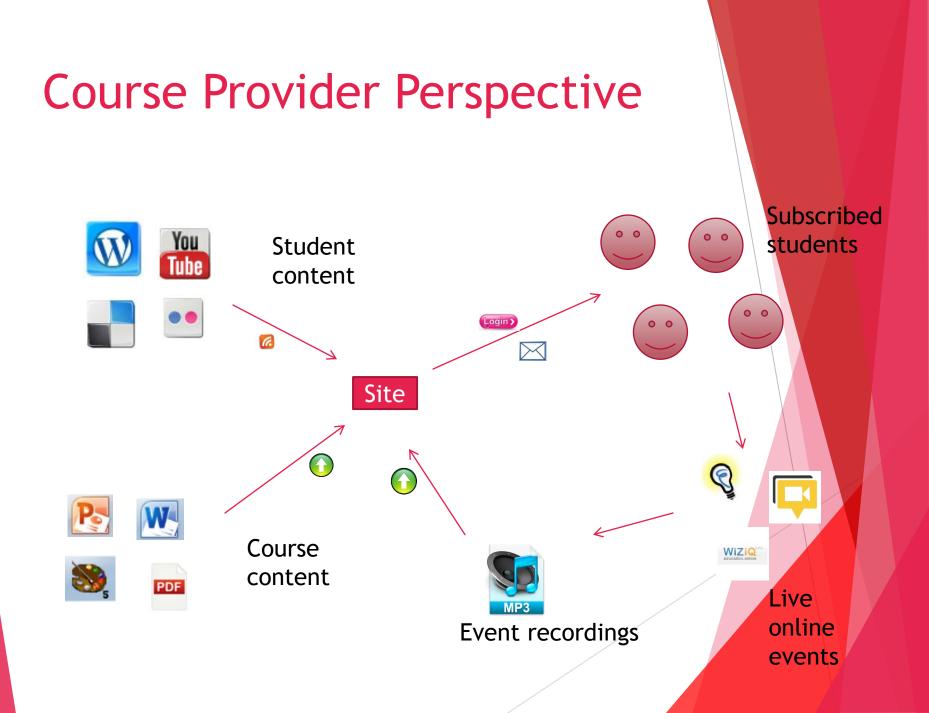
Introduction au CLOM REL 2014

MOOC REL 2014 http://rel2014.mooc.ca

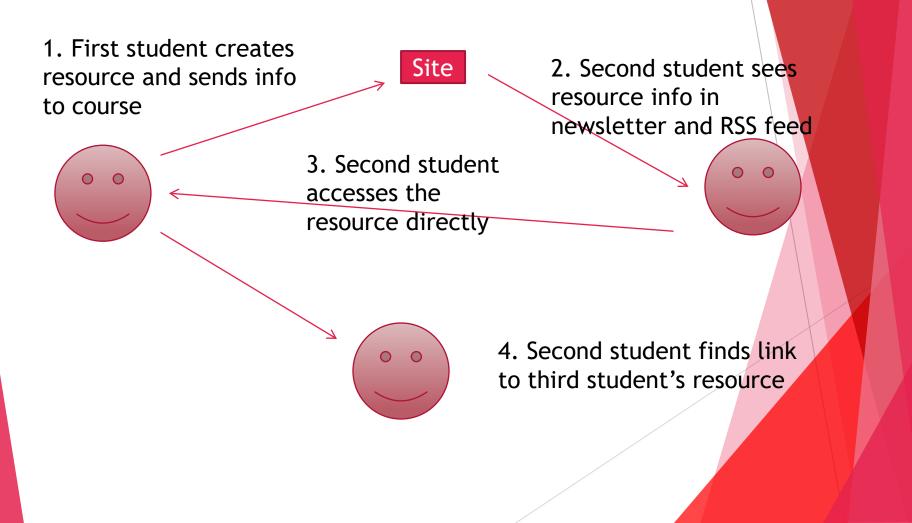
Connectivist MOOCs



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

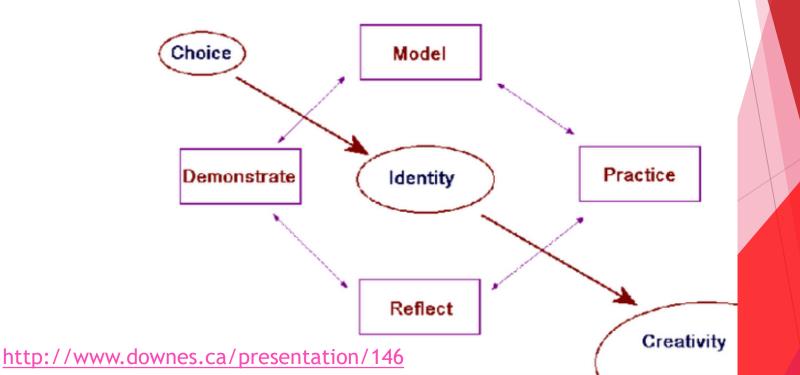


Underlying MOOC Support



Pedagogical Models

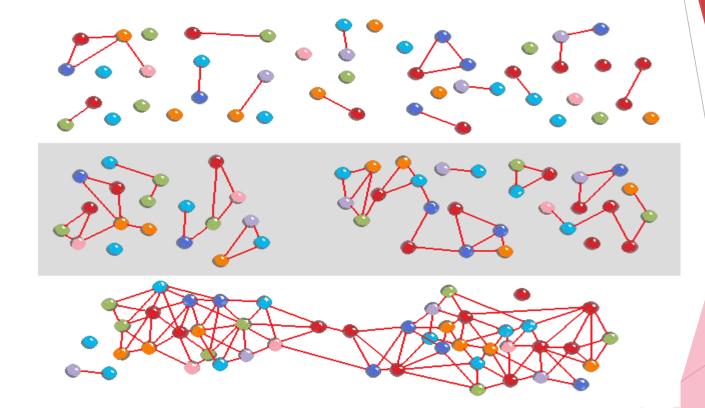
- Instructivist knowledge as transmission
- Discovery knowledge as experience
- Constructivist knowledge as representation
- Connectivist knowledge as recognition



Connectivist Learning Design

- A non-curricular based approach
 - course content is the 'McGuffin' vs (Freire) the 'banking system'
 - learning takes places through interaction and creativity
 - Seymour Papert constructionism
 - Aggregate, remix, repurpose, feed forward
- Learning a matter of growth, not accumulation

Self-Organizing networks



These are at once perceptual systems and reasoning systems

Design Principles

Autonomy

- Choice of contents
- Personal learning
- No curriculum

Openness

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

Diversity

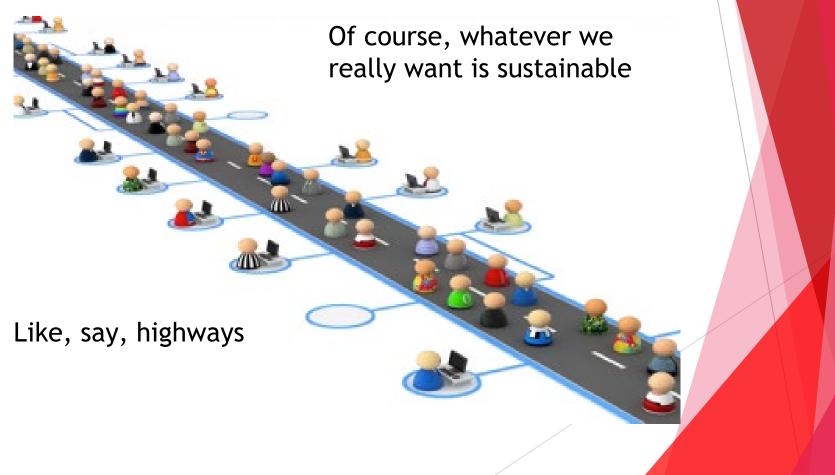
- Multiple tools
- Individual perspective
- Varied content

Interactivity

- Encourage communication
- Cooperative learning
- Emergent knowledge

A Note on Sustainability

Ongoing costs for development, cloud hosting, software



Sustaining OERs

Redirection of existing resource allocations

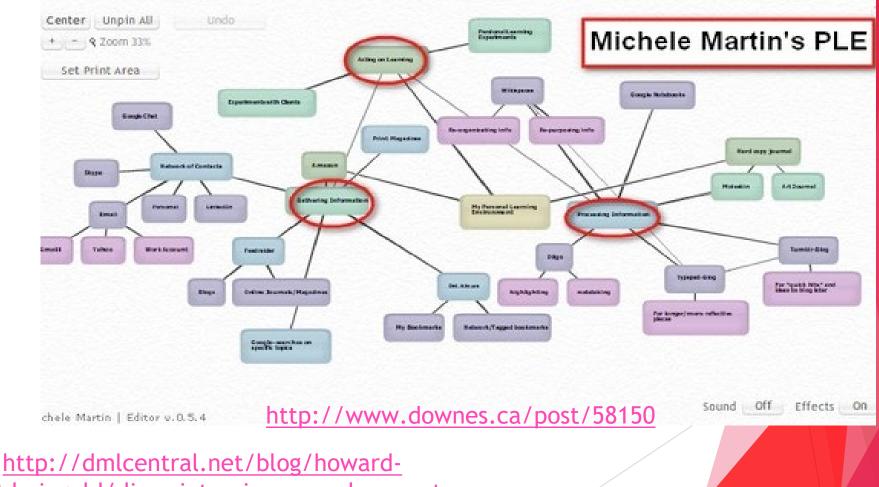
- eg. OA mandates for grants and programs
- community outreach for existing agencies

▶ eg, NASA

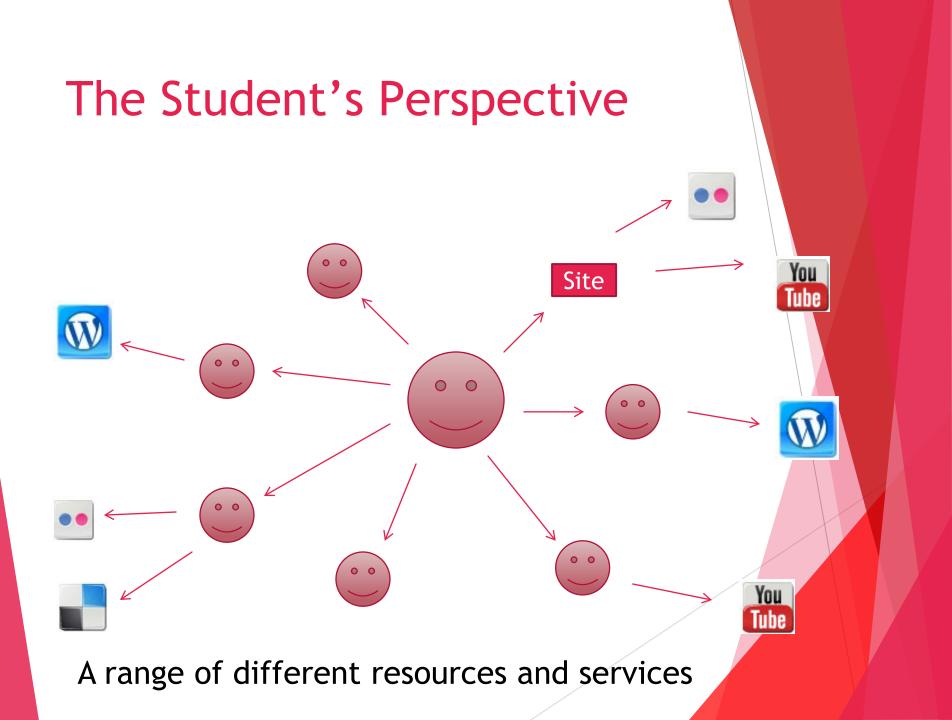
- Support for community-based OER process
 - integration of OER development and use within publicly supported curricula
 - use of OERs in public services and programs

 Stephen Downes, Models for sustainable Open Educational Rsources, ijklo.org/Volume3/IJKLOv3p029-044Downes.pdf <u>http://www.downes.ca/presentation/76</u>
 OER Help with Keynote Slides, OER-Forum <u>http://lists.esn.org.za/pipermail/oer-forum/2011-October/thread.html</u>

Personal Learning



rheingold/diy-u-interview-anya-kamenetz



LPSS program Personal Learning and Performance Support

Single point of access to all skills development and training needs

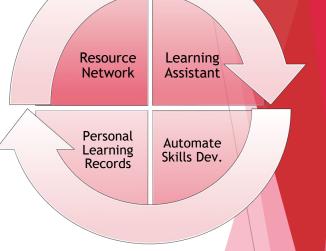
- Ontario MAPLE
- Individual learning path
- Context-aware support
- Searchable and verifiable
- Tailored to industry needs
- Always available

LPSS Program Overview

- LPSS is a \$19 million program over 5 years, average 30 FTEs per year
- Based on hosted services used to develop and monetize core technologies, which are then transferred to commercial receptors
- Will work with Canadian learning technology providers and target verticals to address critical skills shortages in that industry
- Revenues during program execution, with potential for ongoing licensing revenues

Learning and Performance Support System: Core Technology Development Projects

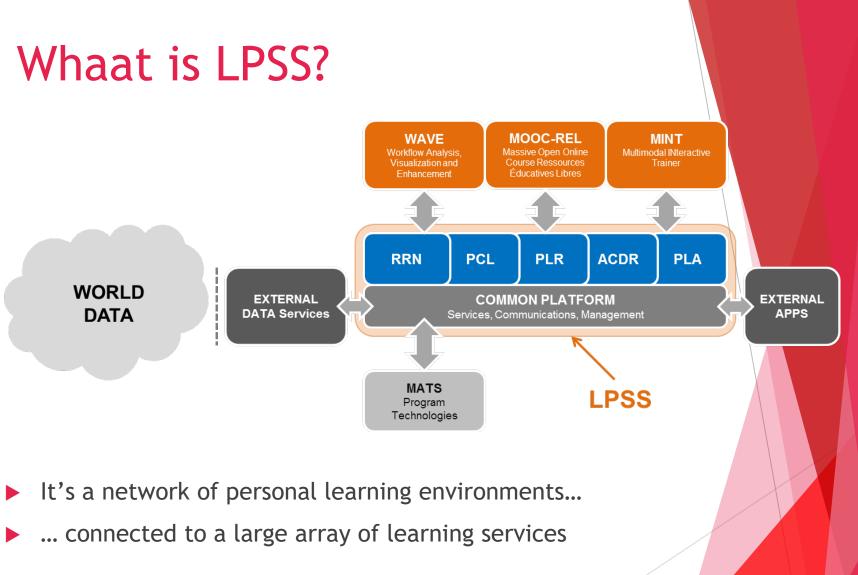
- Learning services network and marketplace
- Automated skills development and recognition
- Lifetime management of learning and training records and credentials
- Personal learning assistant to view, update and access training



 Learning as a cloud service and deep integration with external systems

Why Is This Difficult?

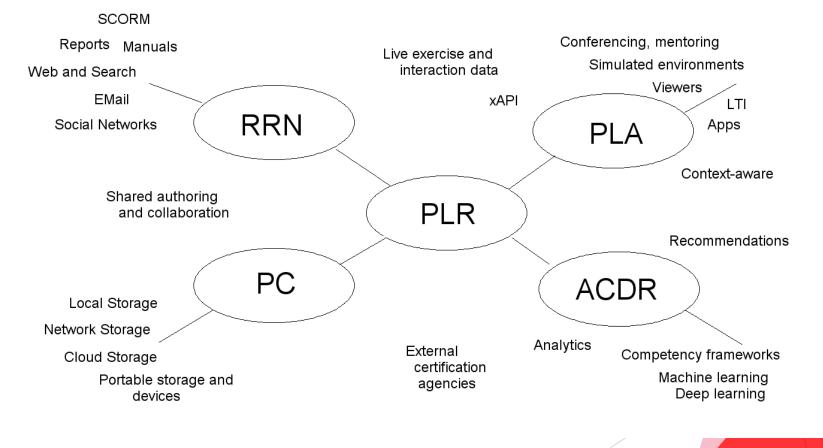
- It's not one big thing...
- ... but a set of many small things
- Tasks that are simple in an enterprise system...
 - Like data storage
 - Like content distribution
 - Like authentication
 - Like analytics
 - ... become that much more difficult



http://halfanhour.blogspot.com.es/2013/12/learning-and-performancesupport-systems.html

http://www.nrc-cnrc.gc.ca/eng/solutions/collaborative/lpss/html

Core Projects, Implementation Projects



38

Triad Model

Students, Teachers, Community = presence

Sunshine Project, Slave Lake, Canada <u>http://www.huffingtonpost.com/stephen-downes/the-role-of-the-educator_b_790937.html</u>

Educamp Colombia, Bogota and Medellin <u>http://www.irrodl.org/index.php/irrodl/article/view/884/1677</u>

Jaaga - via EdgeX, India <u>http://jaaga.in/study/</u>



New Roles for Government

- Communications and Education Infrastructure
- Support for Open Educational Resources
- Support for Free Learning
- Management of assessments and credentialing



http://www.downes.ca

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