

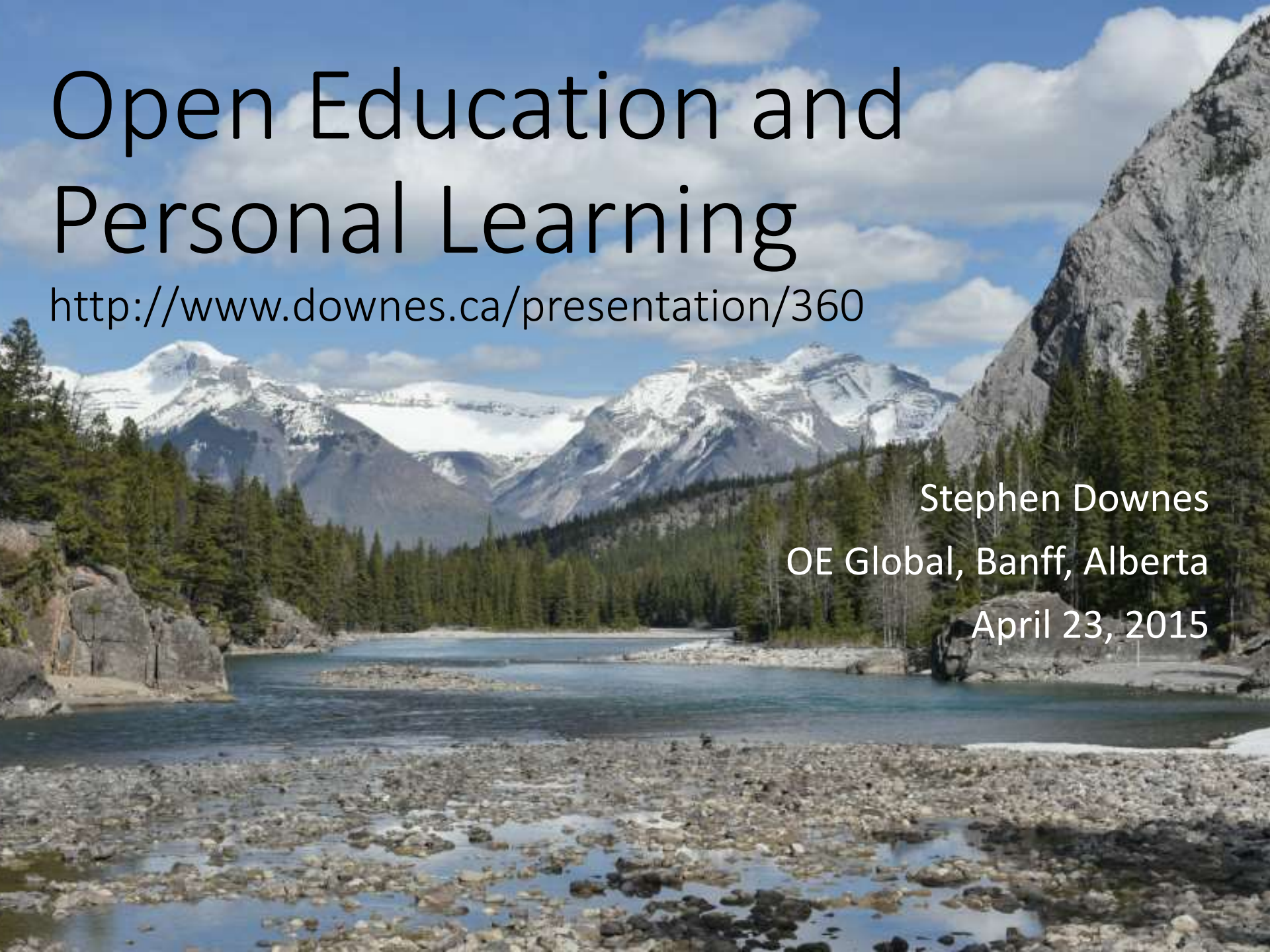
Open Education and Personal Learning

<http://www.downes.ca/presentation/360>

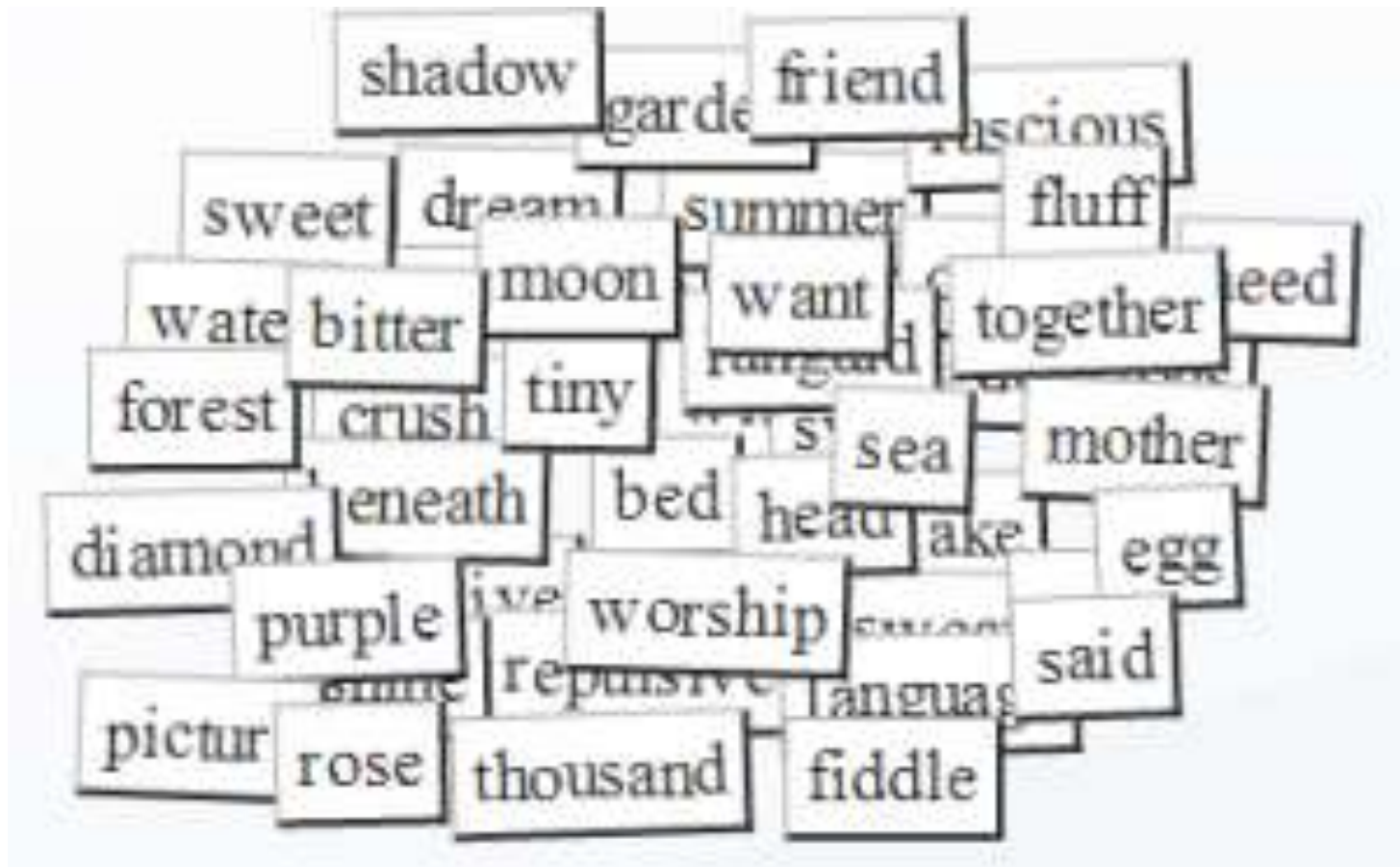
Stephen Downes

OE Global, Banff, Alberta

April 23, 2015



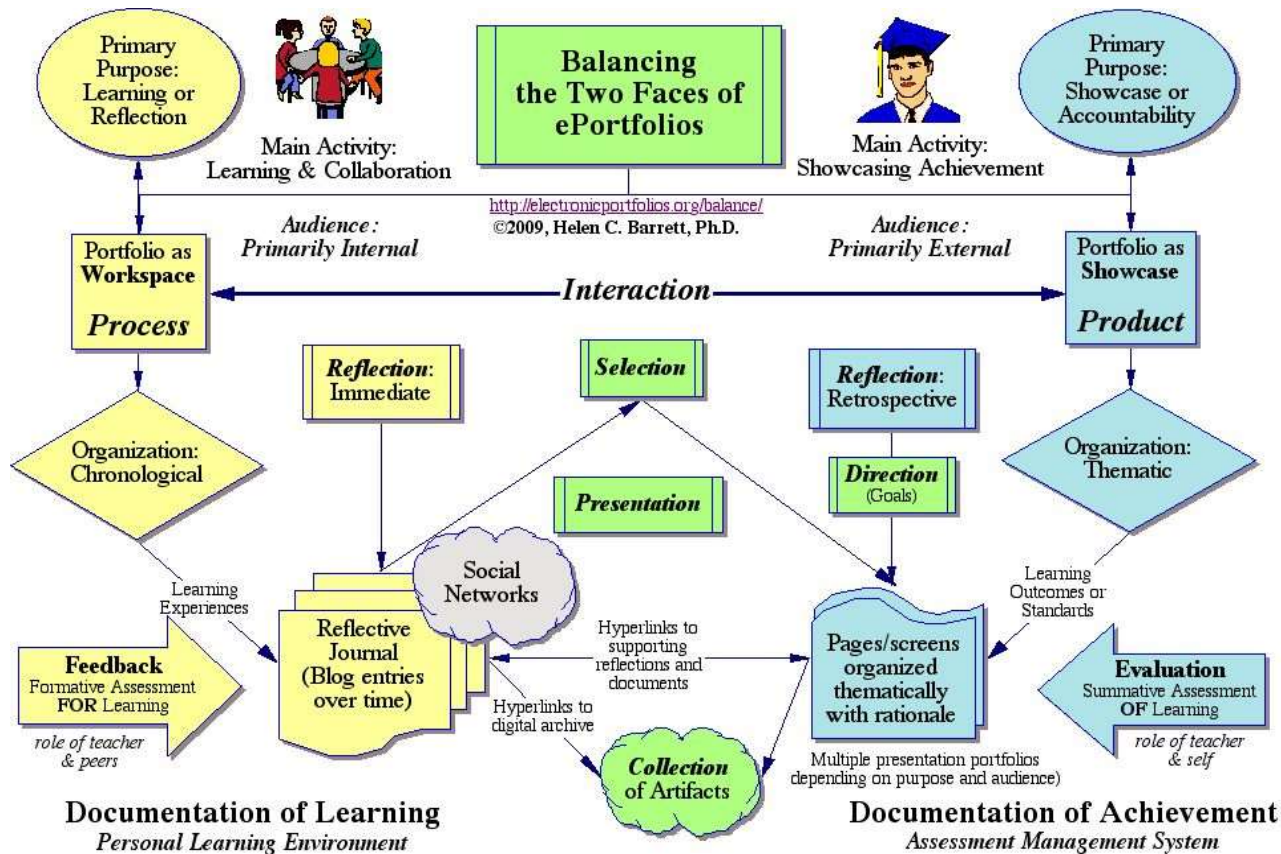
Think of OERs as words in a conversation



It forces us to think about how they can be used.



Consider how words are used in education.



We are constrained in so many ways

- Limited to objectives and educational purpose
- The words have to contain educational *content*
- They must perform (say) one of Gagne's tasks
- That pedagogy is limited to one of knowledge *transfer*
- Students are rendered essentially mute

<http://citt.ufl.edu/tools/gagnes-9-events-of-instruction/>

Pask: Conversational Theory

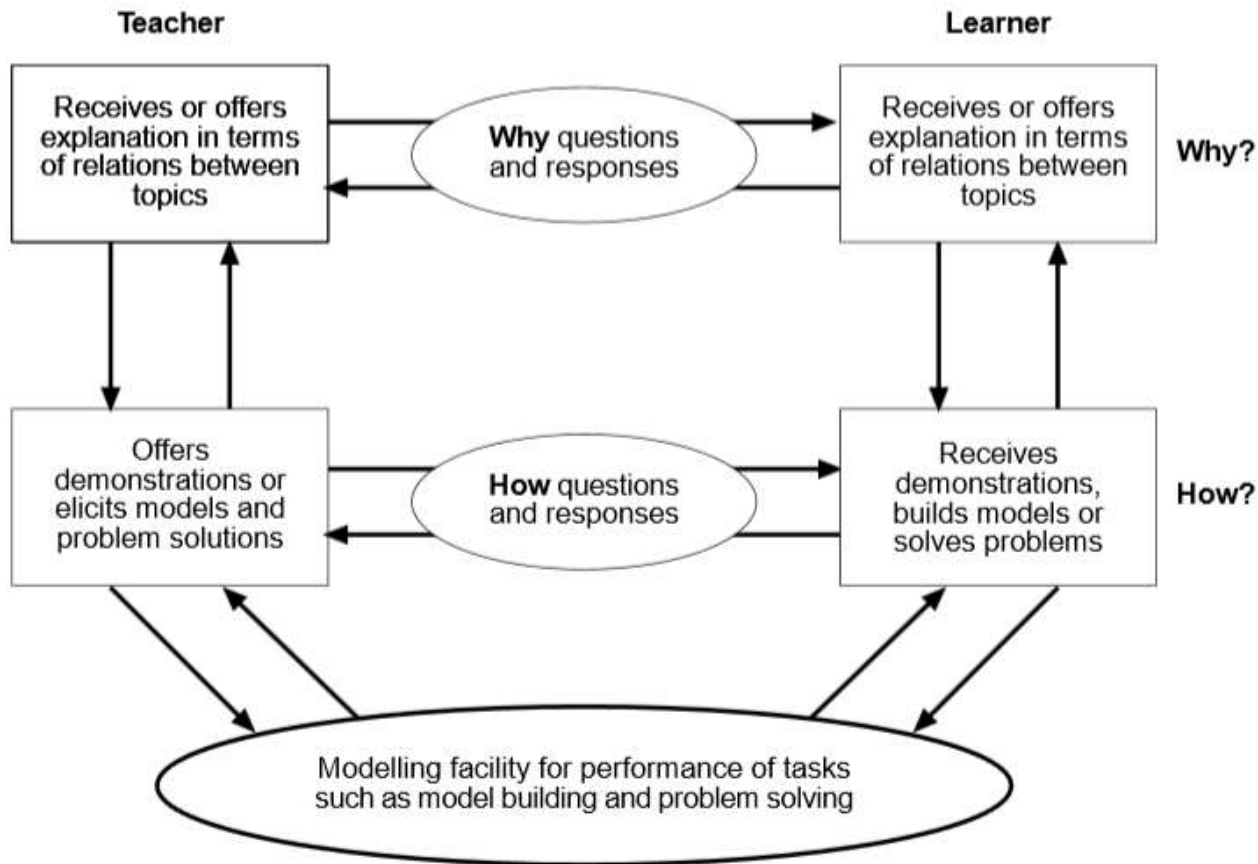
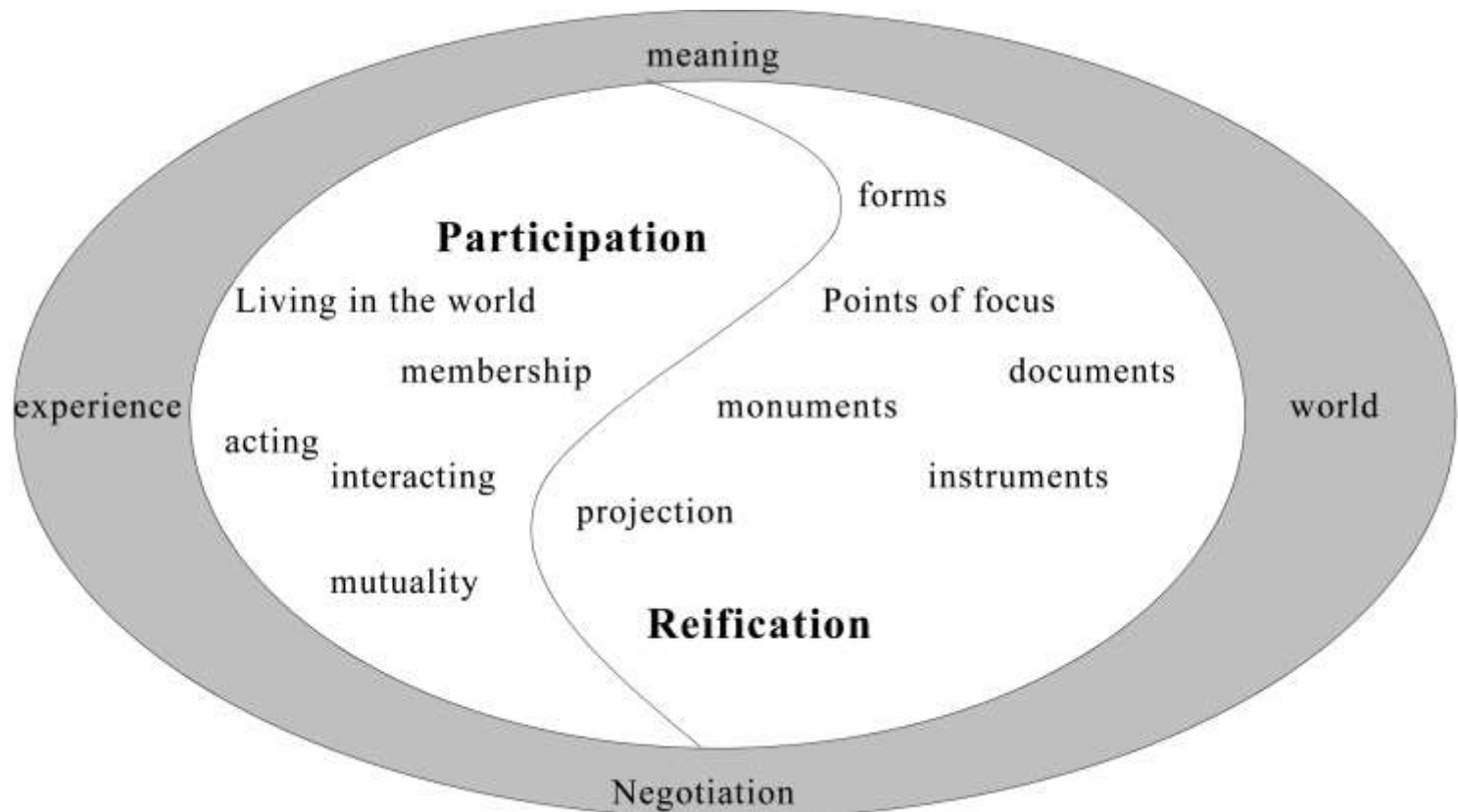


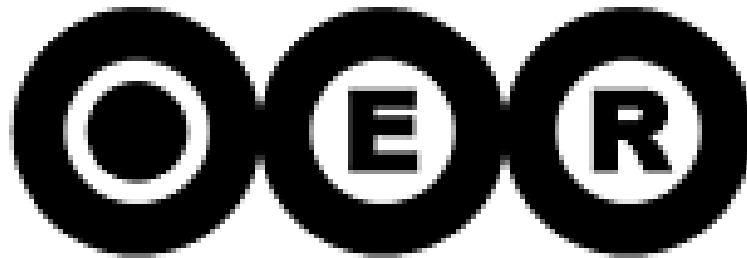
Figure 3 The "skeleton of a conversation" (after Pask).

Knowledge is reified by, and is the product of, not only an individual, but of the wider community.



What are OERs?

“OERs range from textbooks to curricula, syllabi, lecture notes, assignments, tests, projects, audio, video and animation.”



OPEN EDUCATIONAL RESOURCES

<http://www.unesco.org/new/en/communication-and-information/access-to-knowledge/open-educational-resources/what-are-open-educational-resources-oers/>

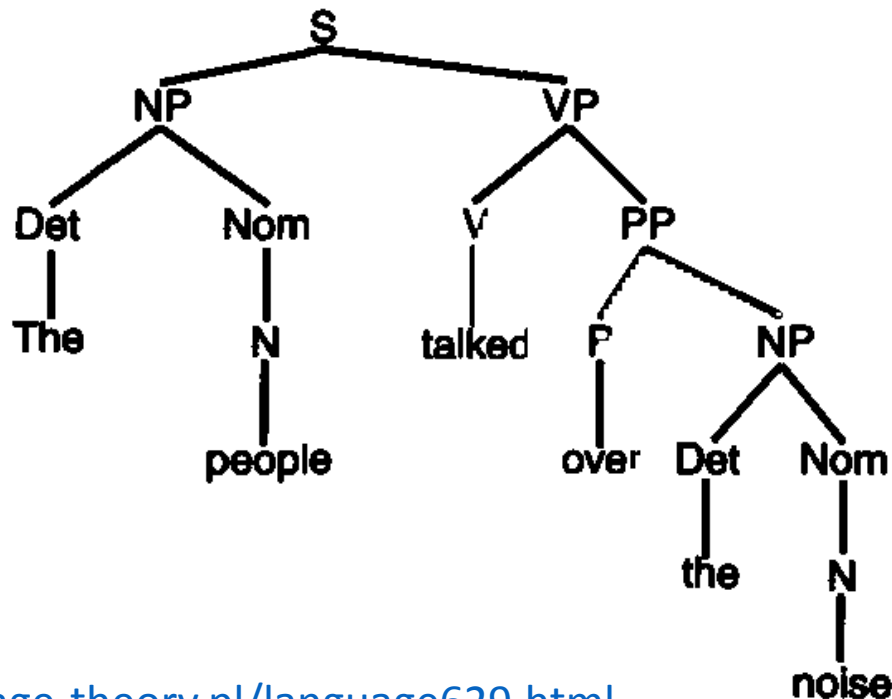
So what follows?

- Deconstructing OERs
- Representing knowledge and understanding
- Students as authors of OERs

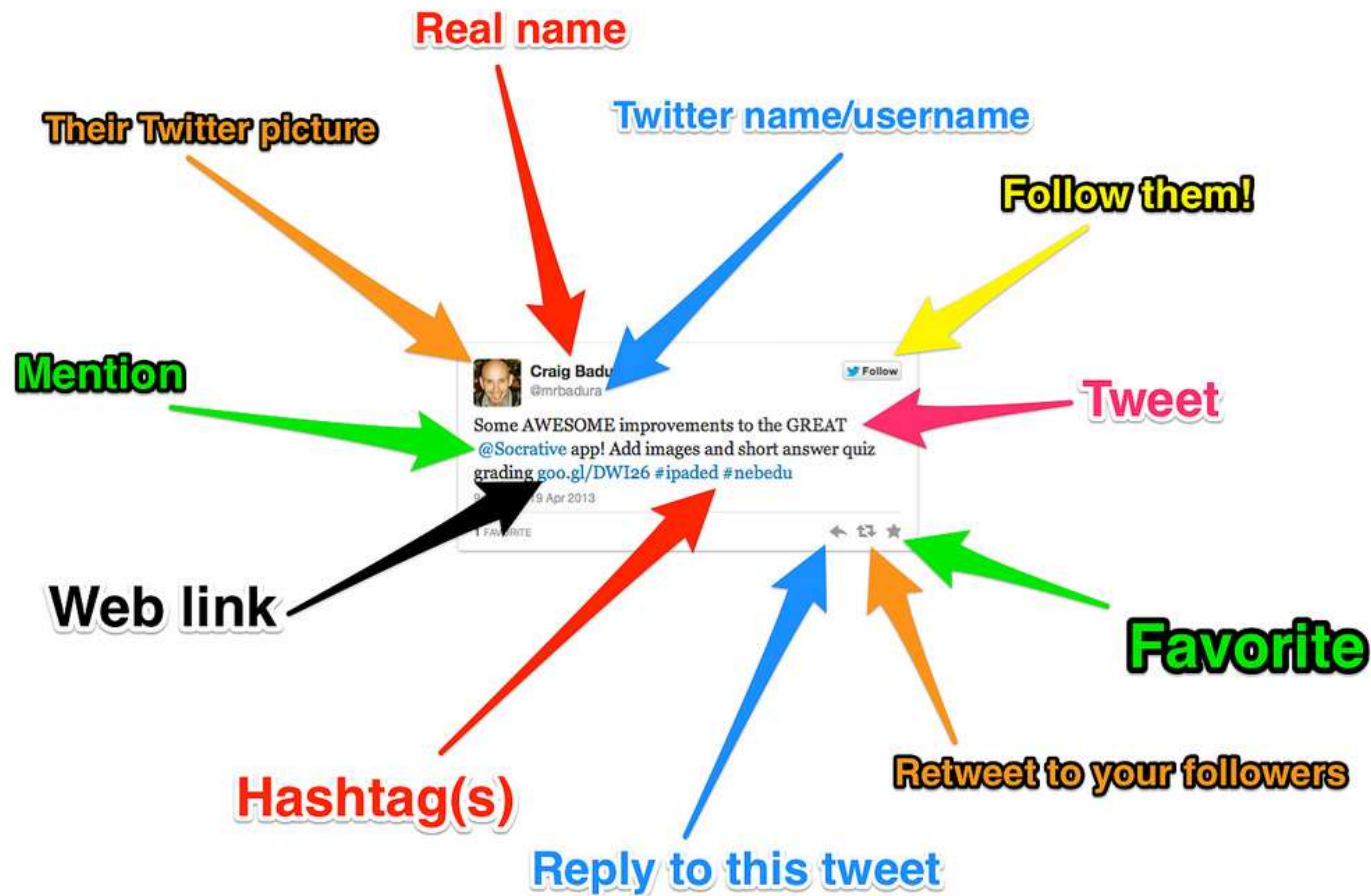


Deconstructing Sentences

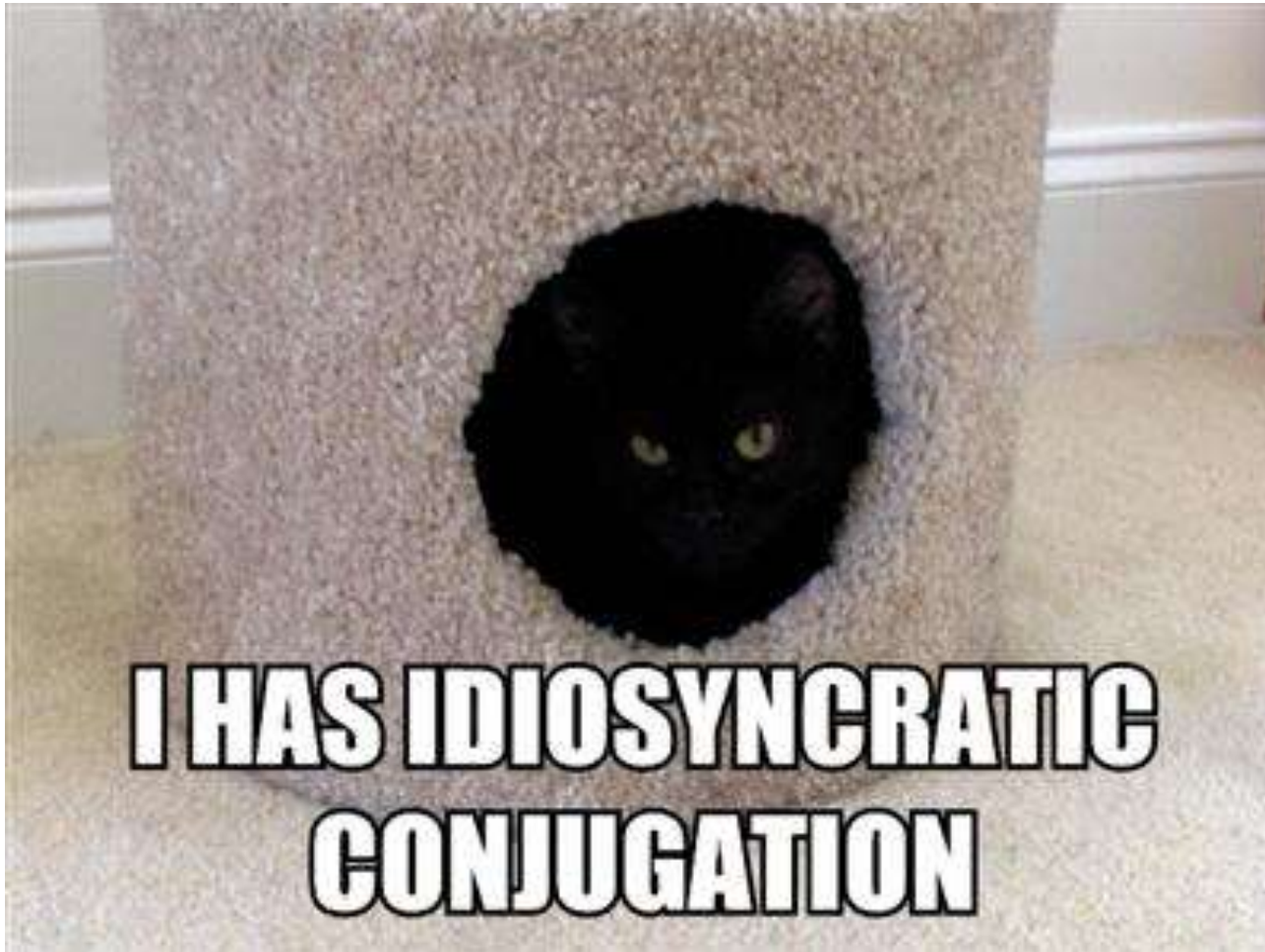
- A simple sentence has subject-object-verb
- A complex sentence can have much more



Anatomy of a Tweet



Understanding LOLcats & Memes



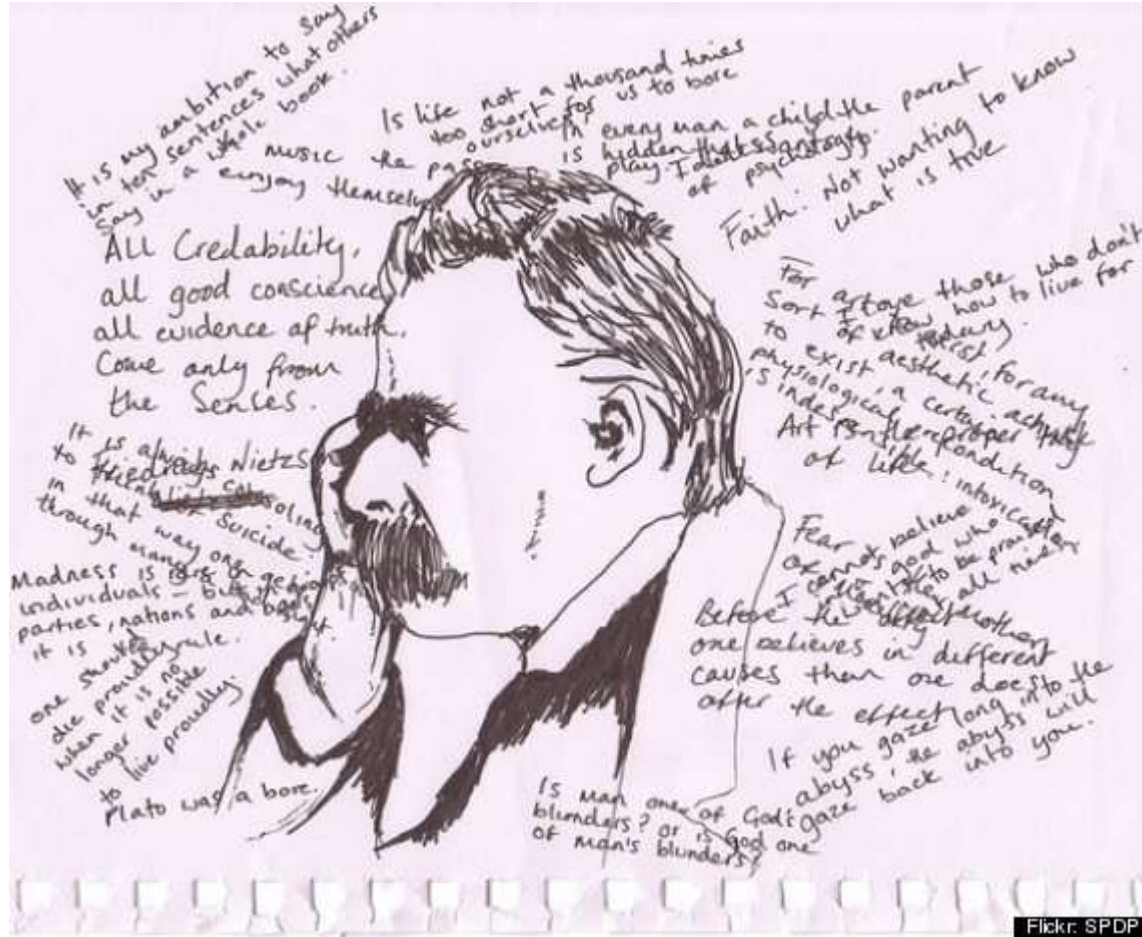
<http://dashes.com/anil/2007/04/cats-can-has-gr.html>

Where Conversations Happen



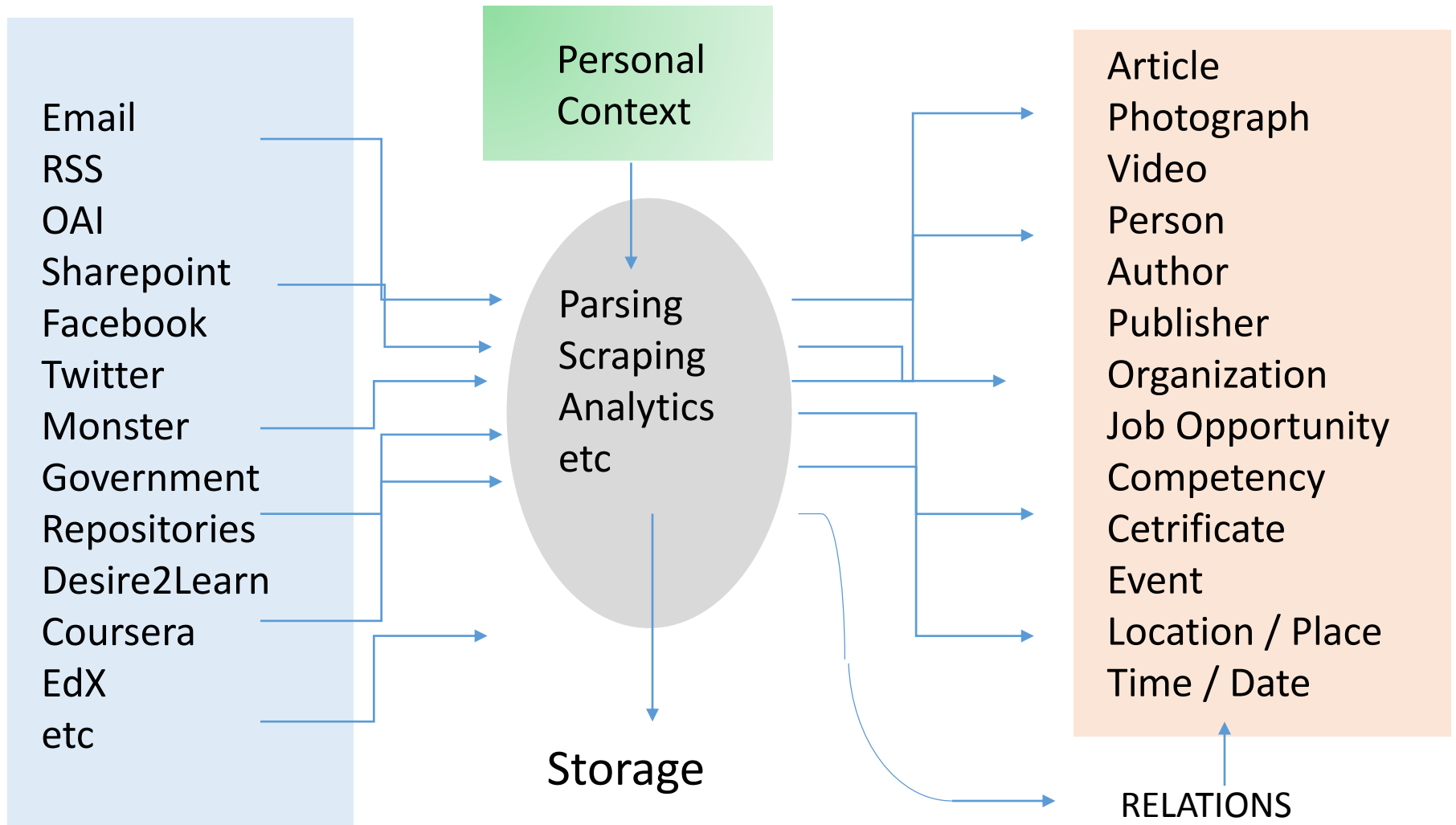
<http://profitecture.com/how-to-get-conversations-going-on-social-media-2/>

What Conversations Contain



http://www.huffingtonpost.com/2013/08/20/introverts-signs-am-i-introverted_n_3721431.html

RRN Aggregation and Storage



Understanding Knowledge



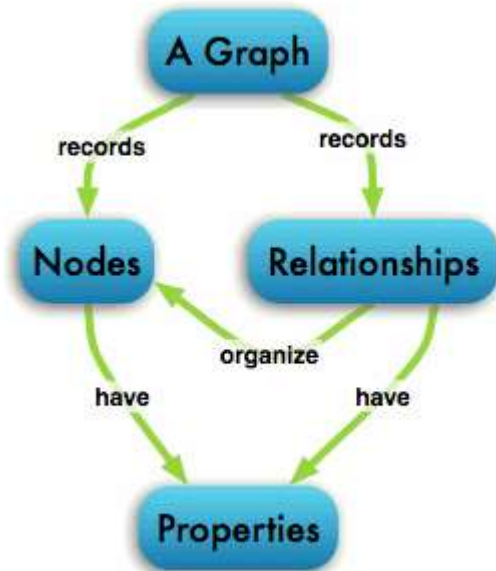
<http://www2.webster.edu/~corbetre/philosophy/education/freire/freire-2.html>

Knowing a Pile of Facts?

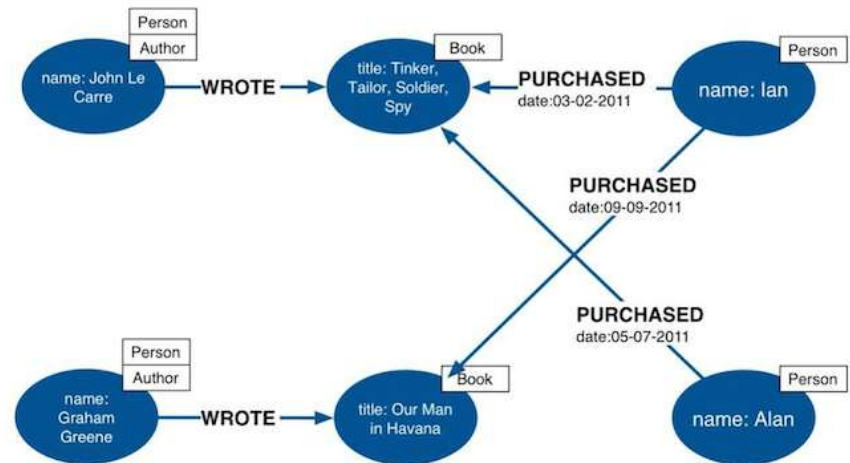


Image: <http://www.rightattitudes.com/>

The Graph Database



Labeled Property Graph Data Model



<http://neo4j.com/developer/graph-database/>

Quality & Narrative

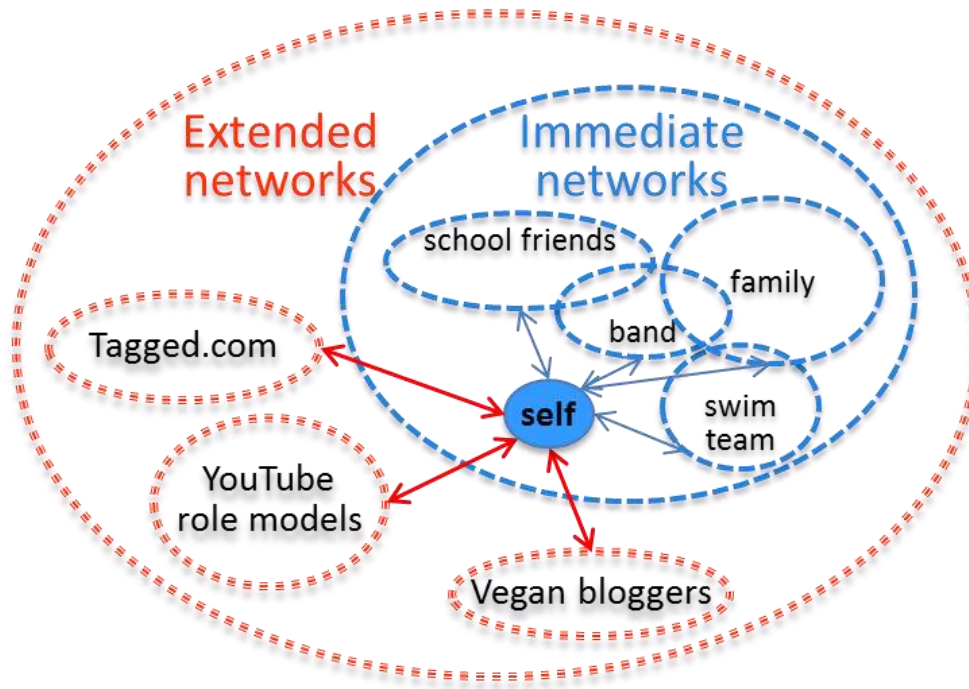
- Accuracy
- Reputation of author/institution
- Standard of technical production
- Accessibility
- Fitness for purpose



Really? These?

<https://openeducationalresources.pbworks.com/w/page/24838164/Quality%20considerations>

Learning in Context



Informal learning opportunities via extended networks

Task-Focused
Network-based

How OERs (Really) Begin

The screenshot shows the Khan Academy homepage. At the top left, it says "156,590,606 lessons delivered" and "KHANACADEMY". A search bar is in the top center. Navigation links include "WATCH", "PRACTICE", "COACH", "VOLUNTEER", and "ABOUT". A "Login" link is in the top right.

The main video player features a video titled "LeBron asks about the chances of making 10 free throws". The video content shows a basketball player (LeBron James) and a probability tree diagram. The tree starts with "FT%: 75%". It branches into "FT#1", "FT#2", "FT#3", and "FT#10". The diagram shows the probability of making all 10 free throws is $75\% \times 75\% \times 75\% \times 75\% = 75\% \times 75\%$.

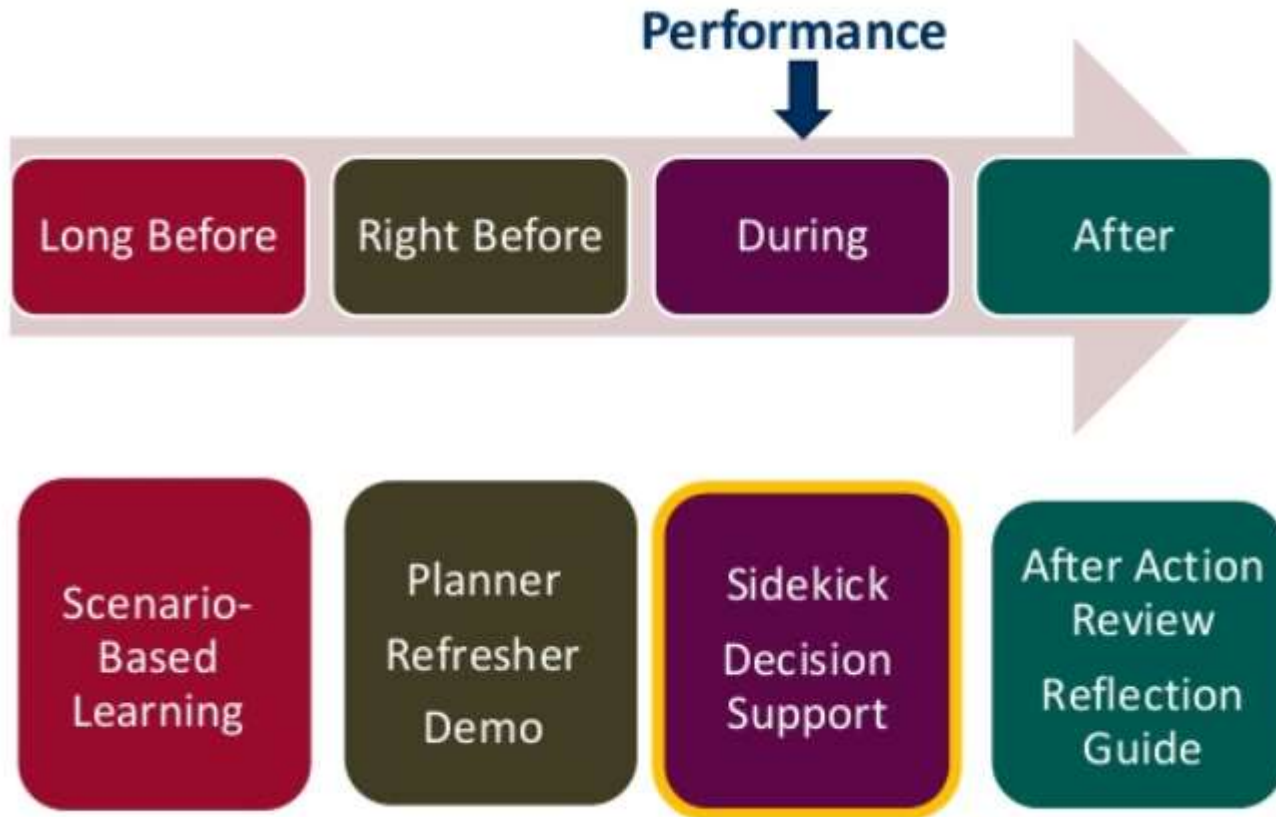
To the right of the video player, the text reads: "Watch. Practice. Learn almost anything for free." Below this, it says: "With over 3,200 videos on everything from arithmetic to physics, finance, and history and hundreds of skills to practice, we're on a mission to help you learn what you want, when you want, at your own pace." There are two buttons: "Watch a Video" and "Take a Challenge".

Below the video player, there is a section for "New & Noteworthy" with four video thumbnails. The first two are titled "Balance of Payments- Current ..." and "Balance of Payments- Capital ...". The third is "Why Current and Capital Acco..." and the fourth is "Accumulating Foreign Currenc...".

At the bottom, there is a navigation bar with the text "Browse our library of over 3,200 educational videos...". Below this, there is a "Jump to topic:" section with links for "Math", "Science", "Finance & Econ.", "Humanities", "Test Prep", and "Talks and Interviews".

<http://www.khanacademy.org/>

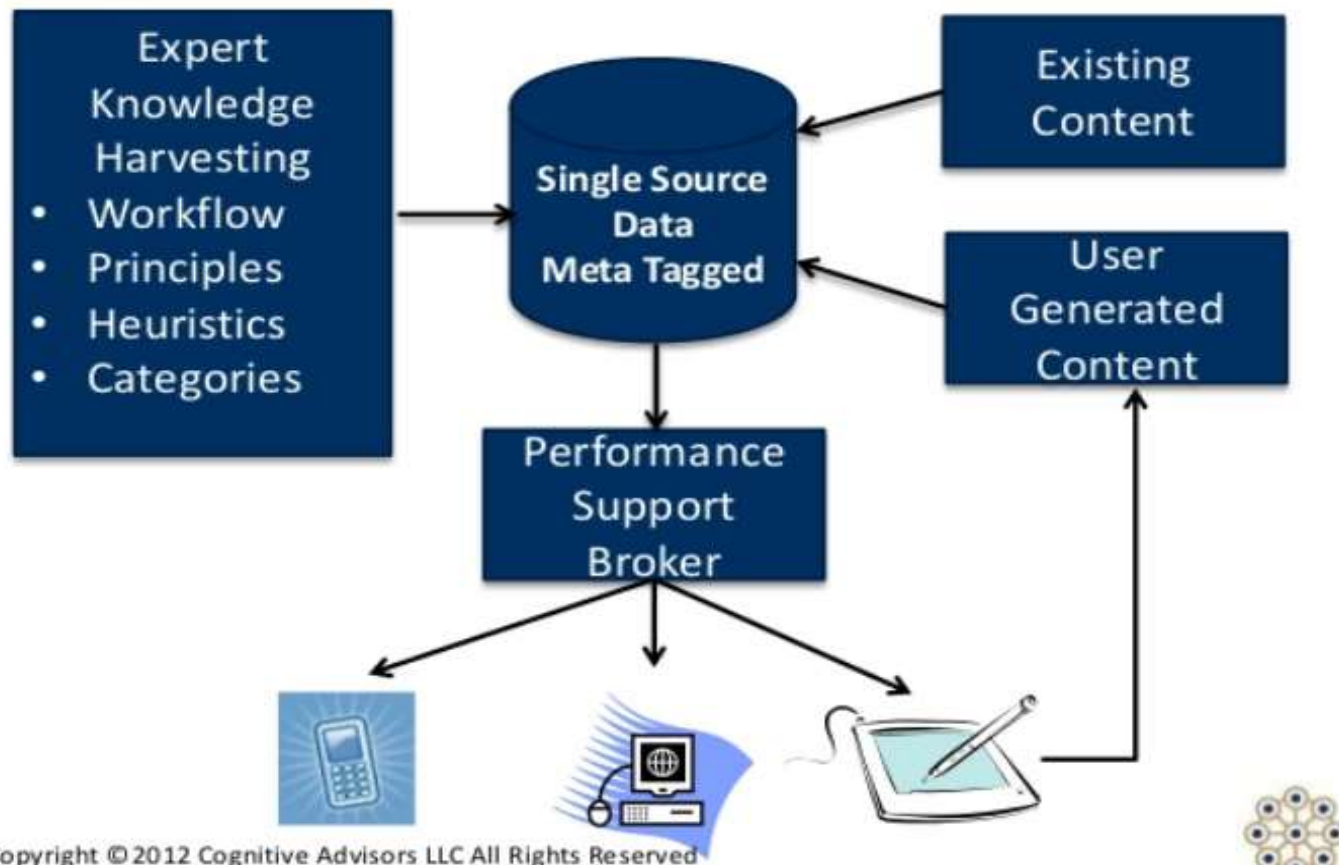
Performance Support



Copyright © 2012 Cognitive Advisors LLC All Rights Reserved



User-Generated OERs

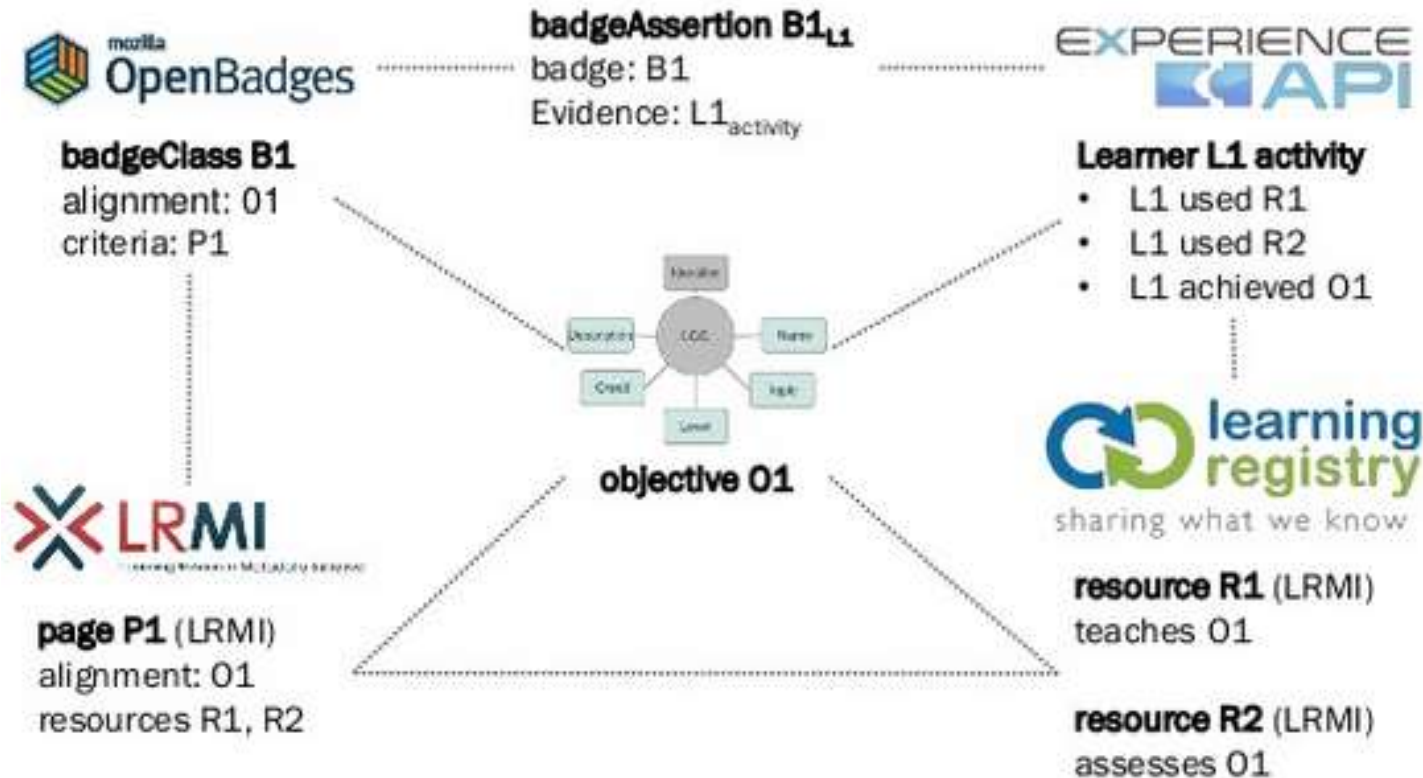


Working Out Loud



<http://johnstepper.com/2014/01/04/the-5-elements-of-working-out-loud/>

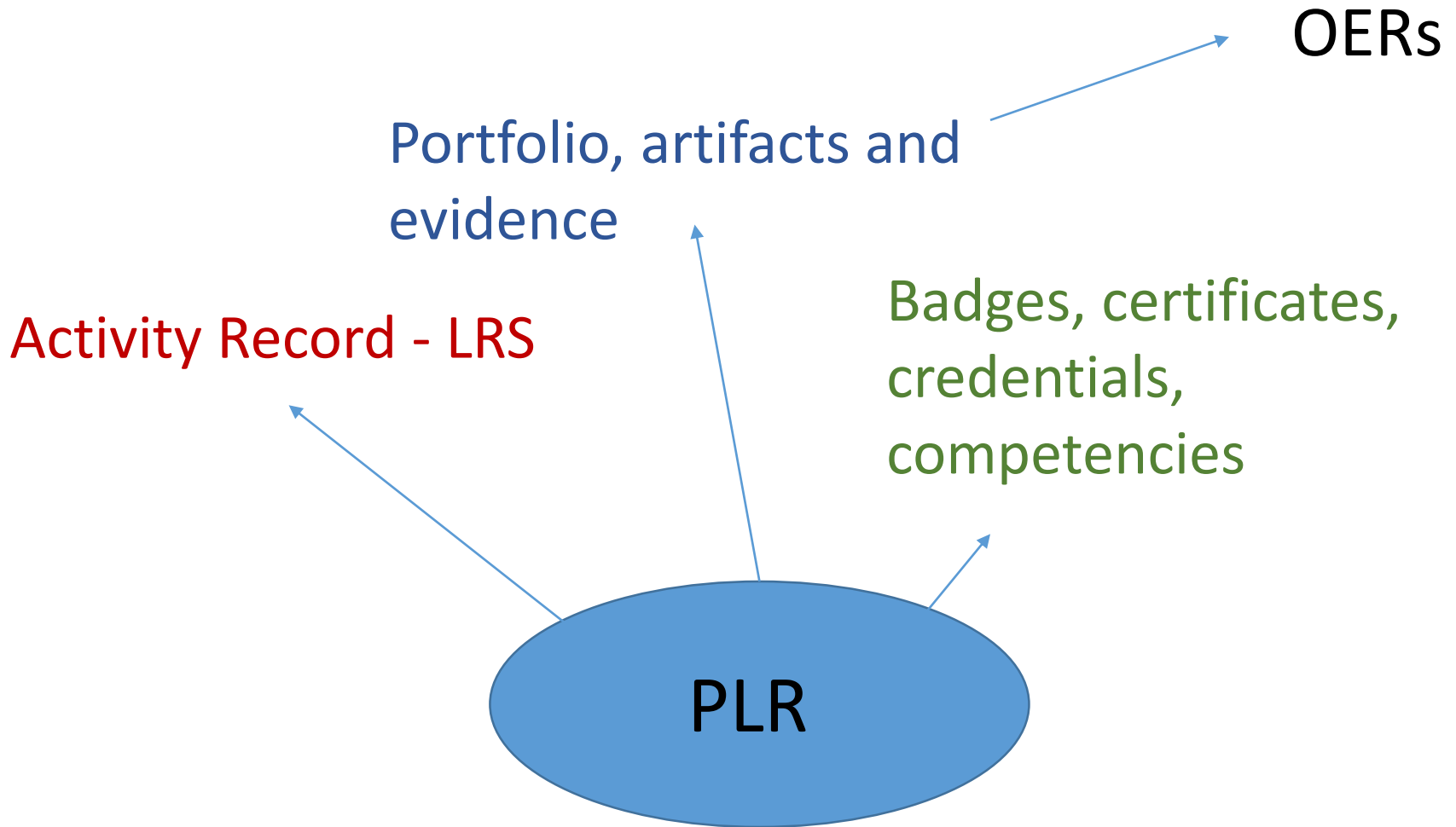
Personal Assistant for Learning



<http://www.adlnet.org/adl-initiative-baa-new-submission-window-open-for-personal-assistant-for-learning-pal-proposals-2/index.html>

<http://www.slideshare.net/damonregan/regan-tla-infrastructureforfutureoflearningsintice2013>

Personal Learning Record



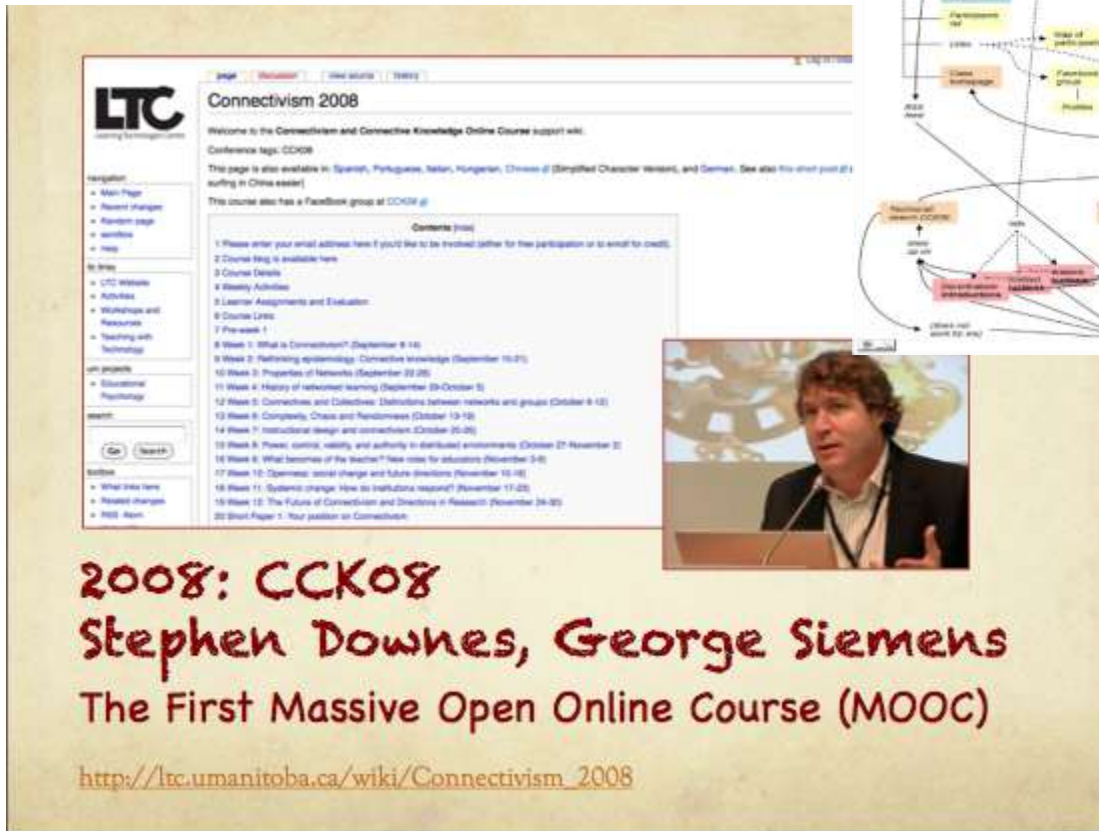
Informal OER Ecosystem



Creating Live OERs



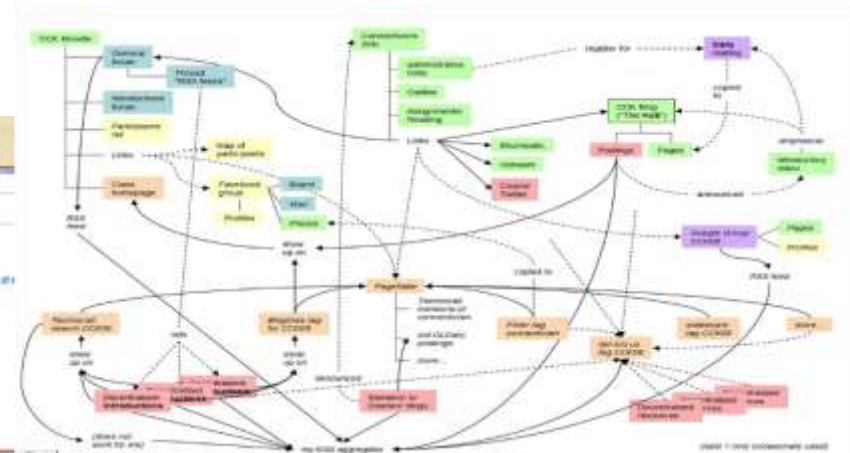
MOOC – CCK08



The screenshot shows the LTC Connectivism 2008 website. The main content area includes a welcome message, a list of navigation links (Main Page, Recent changes, Random page, Home, etc.), a sidebar with search and navigation options, and a detailed table of contents for 20 weeks. The table of contents lists topics such as 'What is Connectivism?', 'Networking epistemology', 'History of networked learning', and 'The Future of Connectivism and Shadowing in Research'. A small video inset shows Stephen Downes speaking at a podium.

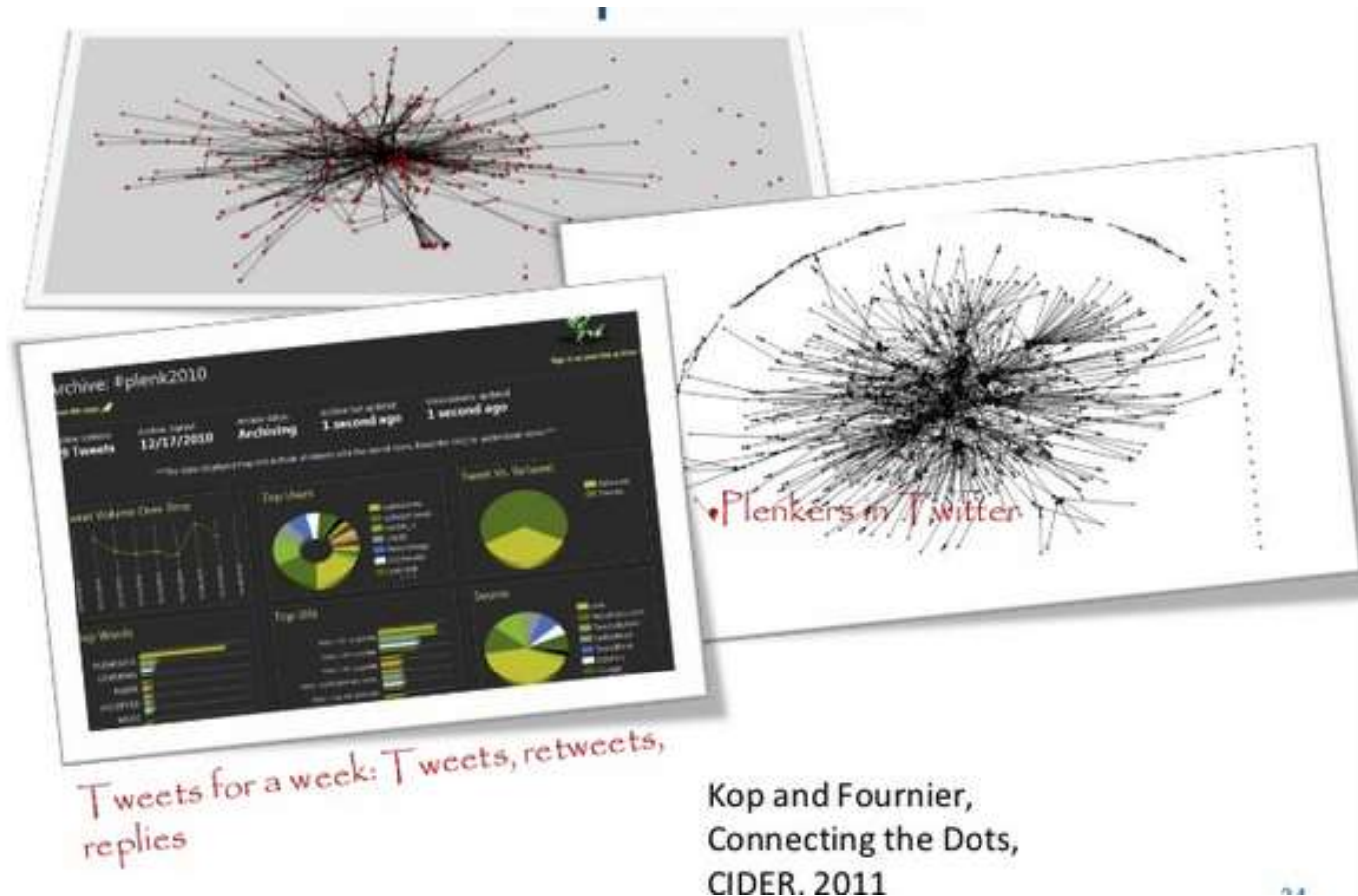
2008: CCK08
Stephen Downes, George Siemens
The First Massive Open Online Course (MOOC)

http://ltc.umanitoba.ca/wiki/Connectivism_2008



<https://sites.google.com/site/themoocguide/3-cck08---the-distributed-course>

Plearn – Importance of the Graph



<http://www.slideshare.net/Downes/after-moodle>

<http://www.slideshare.net/Ritakop/kopfourniercanadianinstitutedistanceeducationresearchple>

OIF – MOOC-REL

The screenshot shows the top navigation bar of the REL 2014 MOOC website. The main title is "REL 2014 - Pour une éducation libre". The navigation menu includes "ACCUEIL", "VOTRE COMPTE", "COMPTES RENDUS", "PARTICIPER", "SYNDICATION RSS", and "ARCHIVES". Below the navigation bar, there is a message: "Vous n'êtes pas connecté(e). [Connexion] - [Inscription]". The main content area features a large graphic on the left with the text "Réutiliser, retravailler, recombinaison, redistribuer" and icons representing people and documents. To the right of the graphic, the main heading is "Réutiliser, Retravailler, Recombiner, Redistribuer – 4R des REL pour une Éducation libre". Below this heading, there is a welcome message: "Bienvenue à votre Cours en Ligne Ouvert et Massif (CLOM) de l'Organisation internationale de la Francophonie portant sur les ressources éducatives libres (REL).". A paragraph follows: "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." Below this, the section "Introduction au CLOM REL 2014" is visible. On the left side of the main content area, there is a sidebar menu with "INTRODUCTION" and "1. DU CLOM CONNECTIVISTE ET FONCTIONNEMENT DE CE COURS".

REL 2014 - Pour une éducation libre

ACCUEIL VOTRE COMPTE COMPTES RENDUS PARTICIPER SYNDICATION RSS ARCHIVES

Vous n'êtes pas connecté(e). [Connexion] - [Inscription]

Réutiliser, retravailler, recombinaison, redistribuer

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

Bienvenue à votre Cours en Ligne Ouvert et Massif (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

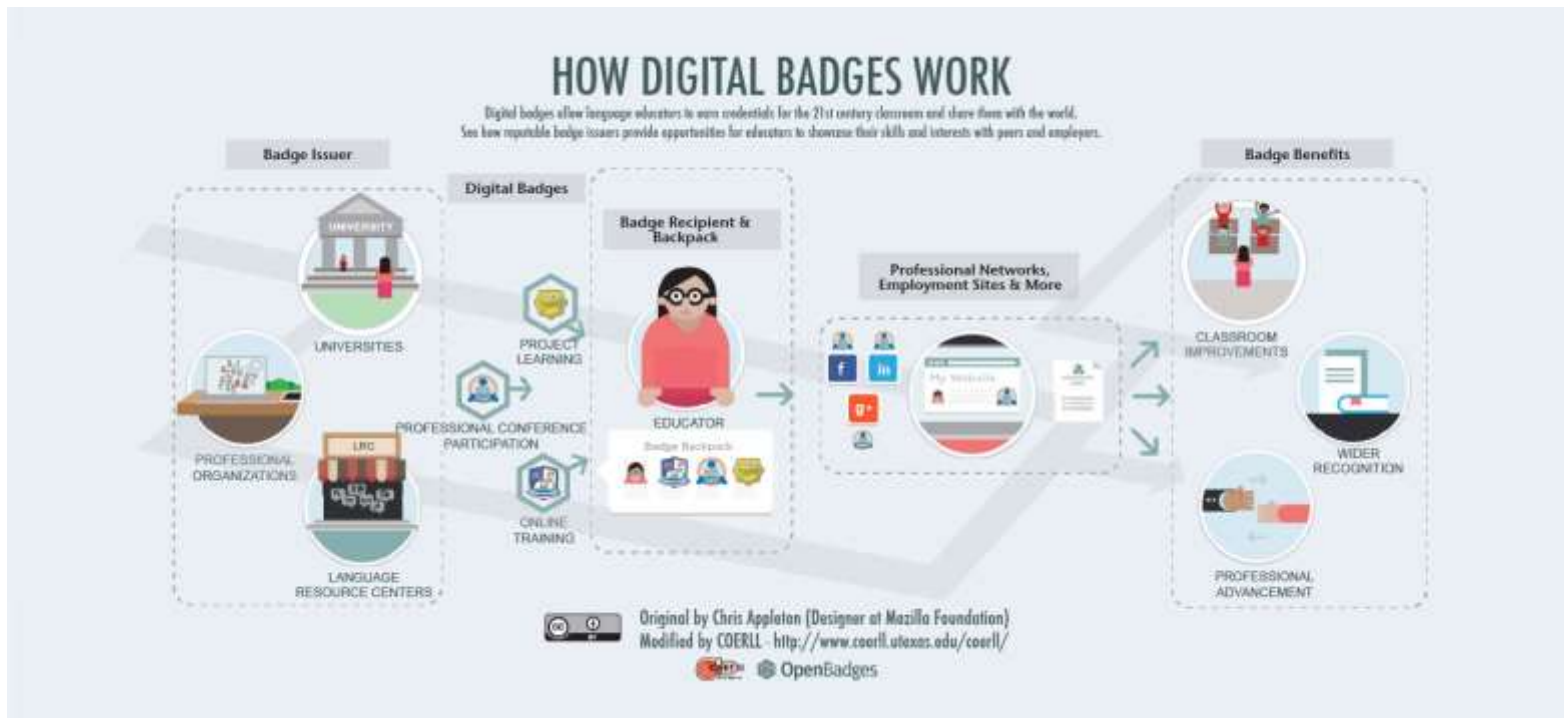
Vous trouverez ci-dessous une courte vidéo qui explique le contexte du présent cours. Nous vous

INTRODUCTION

1. DU CLOM CONNECTIVISTE ET FONCTIONNEMENT DE CE COURS

<http://rel2014.mooc.ca/>

PCO Badges for Learning



<http://www.downes.ca/post/63738>

ONGARDE



<http://www.journal.forces.gc.ca/vol14/no2/page70-eng.asp>

ALECSO – Capacity Building



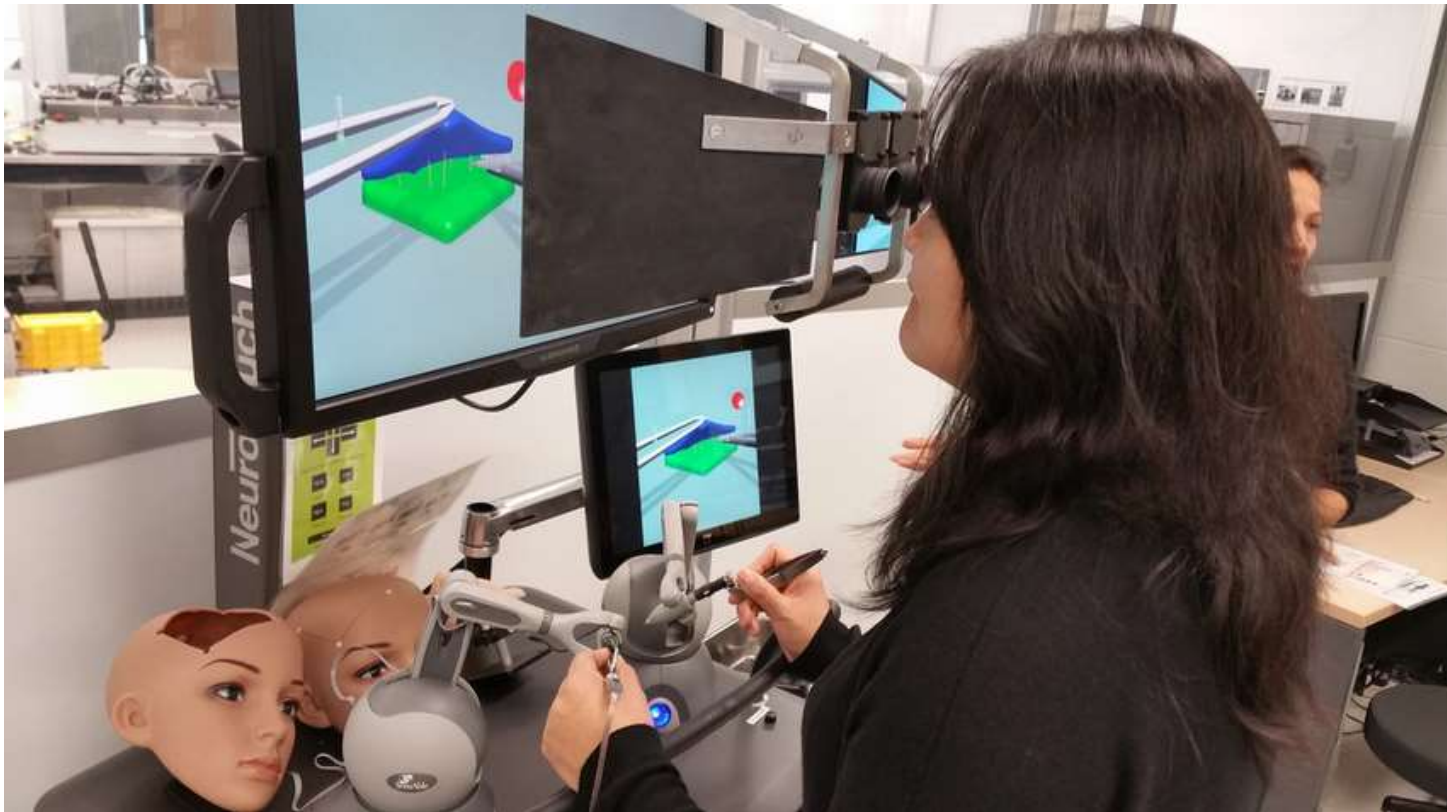
<http://www.downes.ca/presentation/337>

MINT - Mobile INteractive Trainer



<http://www.downes.ca/post/59876>

Collecting xAPI from Med Sims



https://www.flickr.com/photos/stephen_downes/15710336207/

<http://www.nrc-cnrc.gc.ca/eng/rd/medical/>

Concierge OMS

The screenshot shows the top navigation bar of the Concierge Service website. It includes the Government of Canada logo and name in both English and French, the website URL (Canada.gc.ca), and navigation links for Services, Departments, and Français. The main header features the 'Concierge Service' title, a search bar, and the 'Canada' logo. Below this is a secondary navigation menu with links for Home, About us, Find programs, Find facilities, and My concierge, along with Register and Log in buttons. The main content area is titled 'Your guide to innovation' and includes a sub-header: 'Helping Canadian enterprises find and access programs and services that support business innovation.' There are three main visual elements: a large image of a person in a suit holding a glowing lightbulb with a search bar overlay; a smaller image of a gold key on a background of binary code with a call to action to create an account; and a photo of three business professionals clapping.

Government of Canada / Gouvernement du Canada

Canada.gc.ca | Services | Departments | Français

Concierge Service

Search

Home | About us | Find programs | Find facilities | My concierge | Register | Log in

Home → Your guide to innovation

Your guide to innovation

Helping Canadian enterprises find and access programs and services that support business innovation.

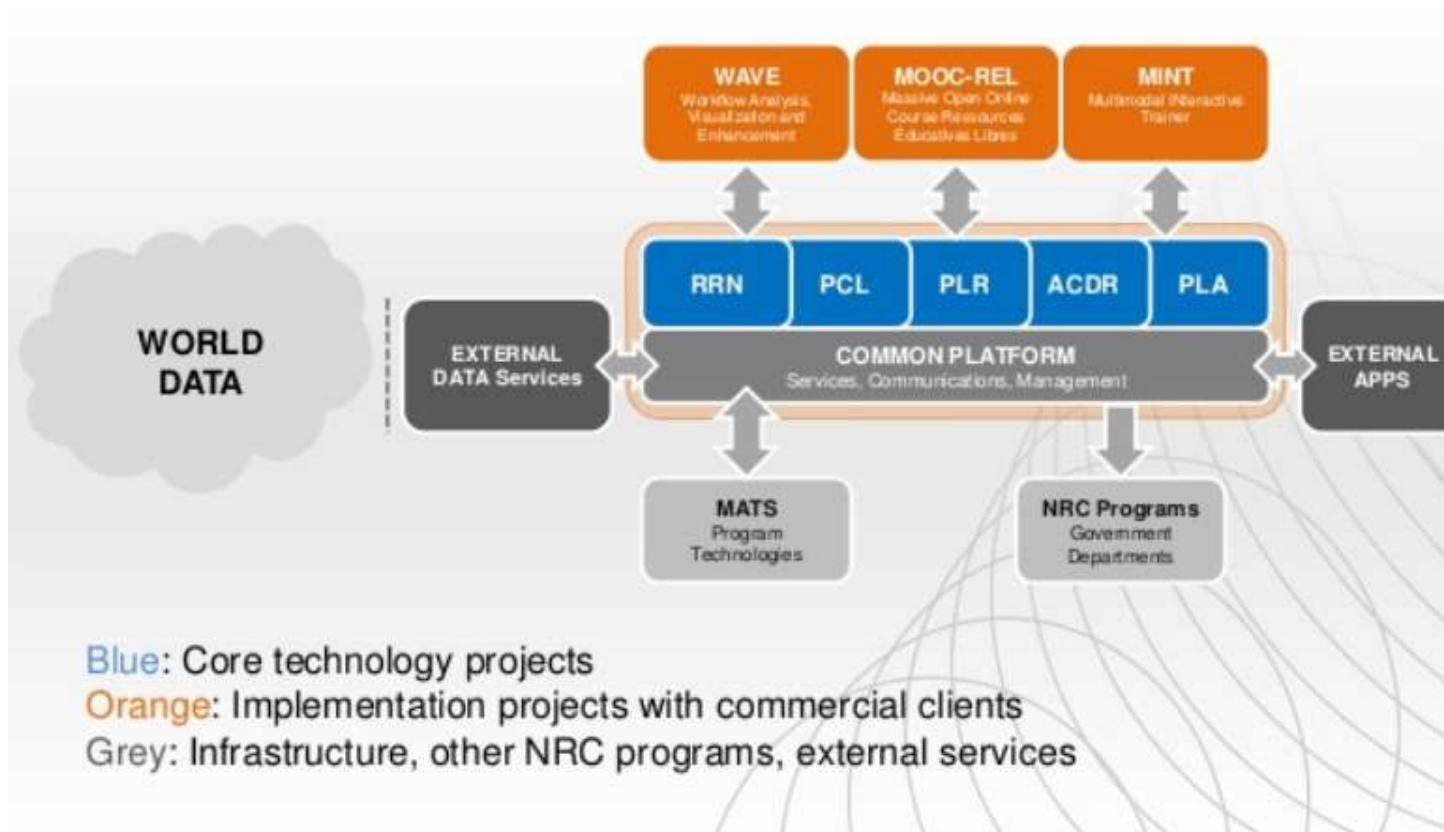
How can we help you?

Create an account to get the benefits to support you & your business!

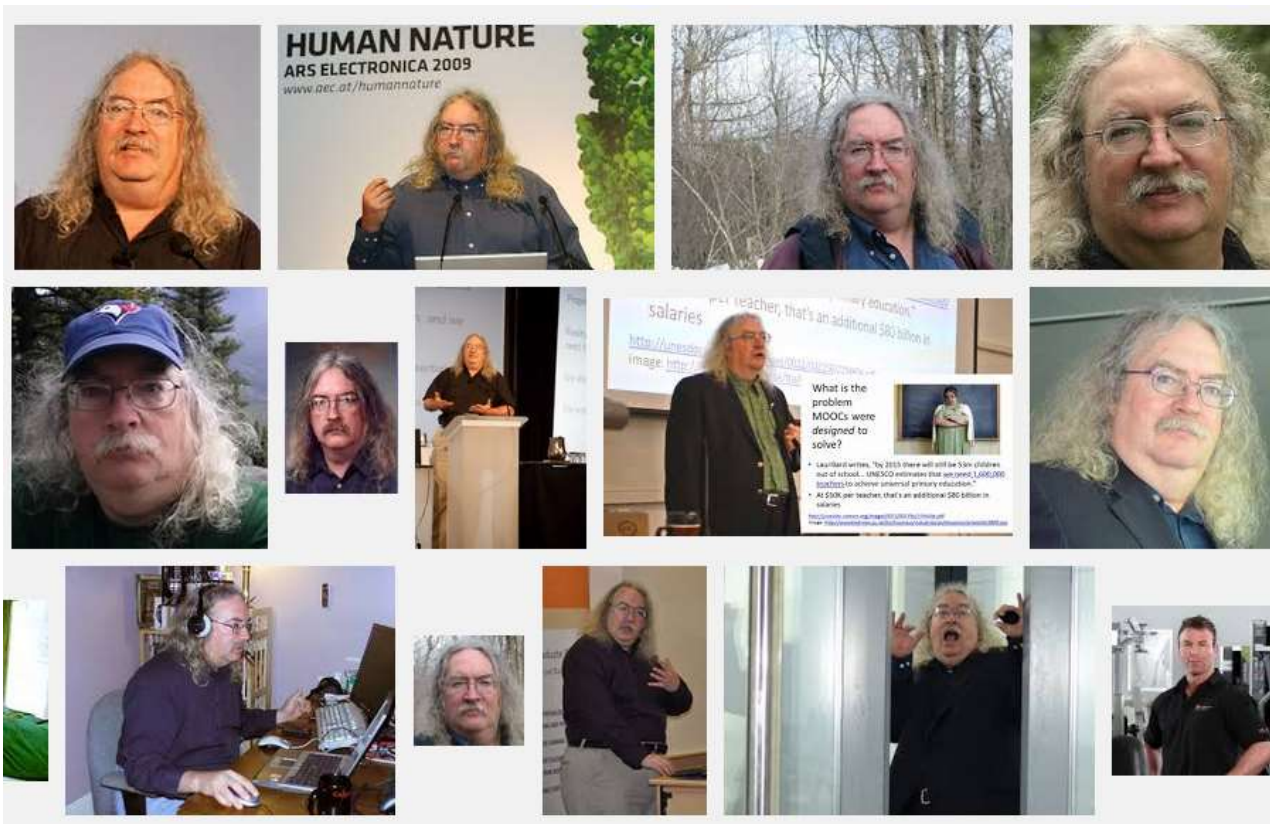
Find a program that meets your needs

<https://concierge.portal.gc.ca/>

How to Engage



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



Stephen Downes

<http://www.downes.ca>