

Open Education and Personal Learning

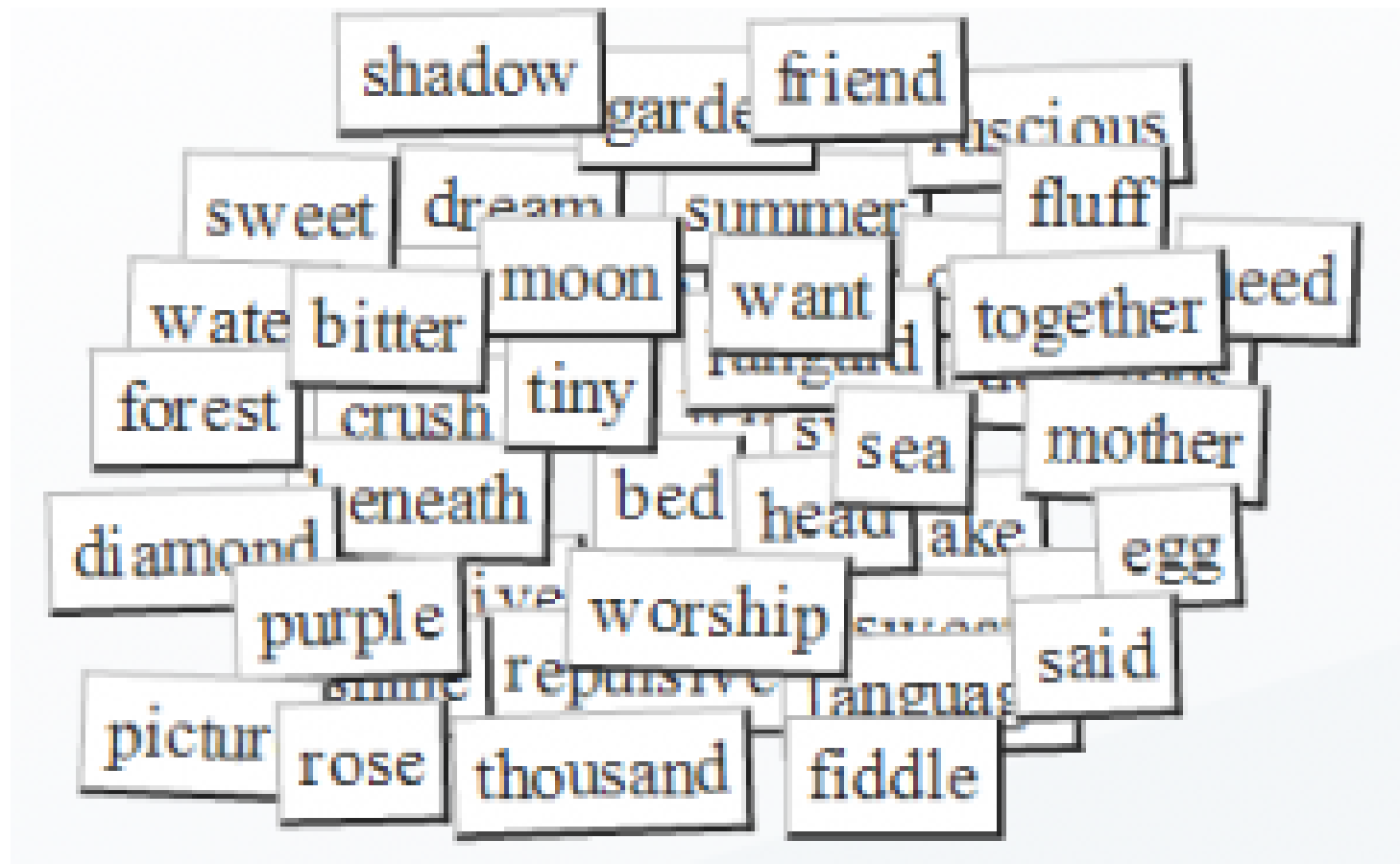
<http://www.downes.ca/presentation/362>



Stephen Downes

Tempe, Arizona, August 20, 2015

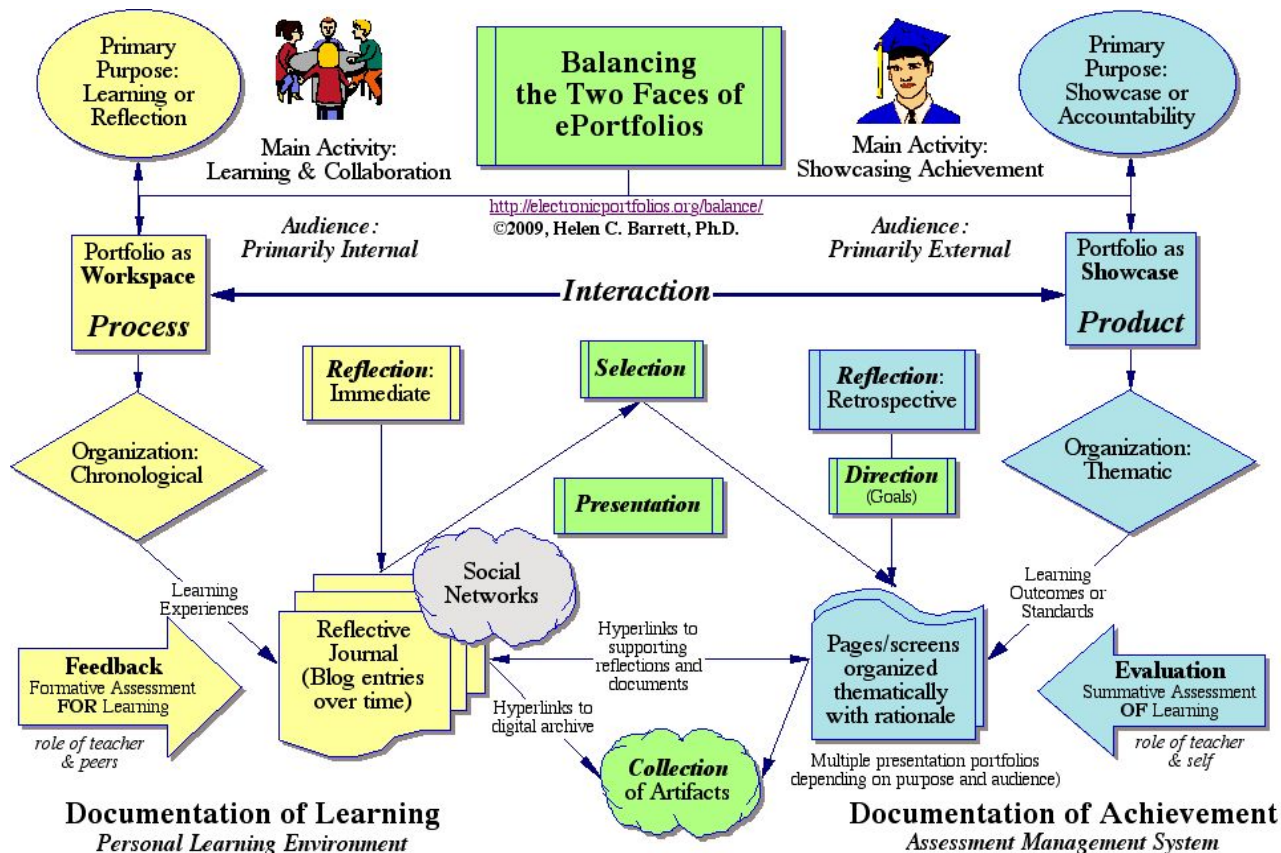
Think of OERs as words in a conversation



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

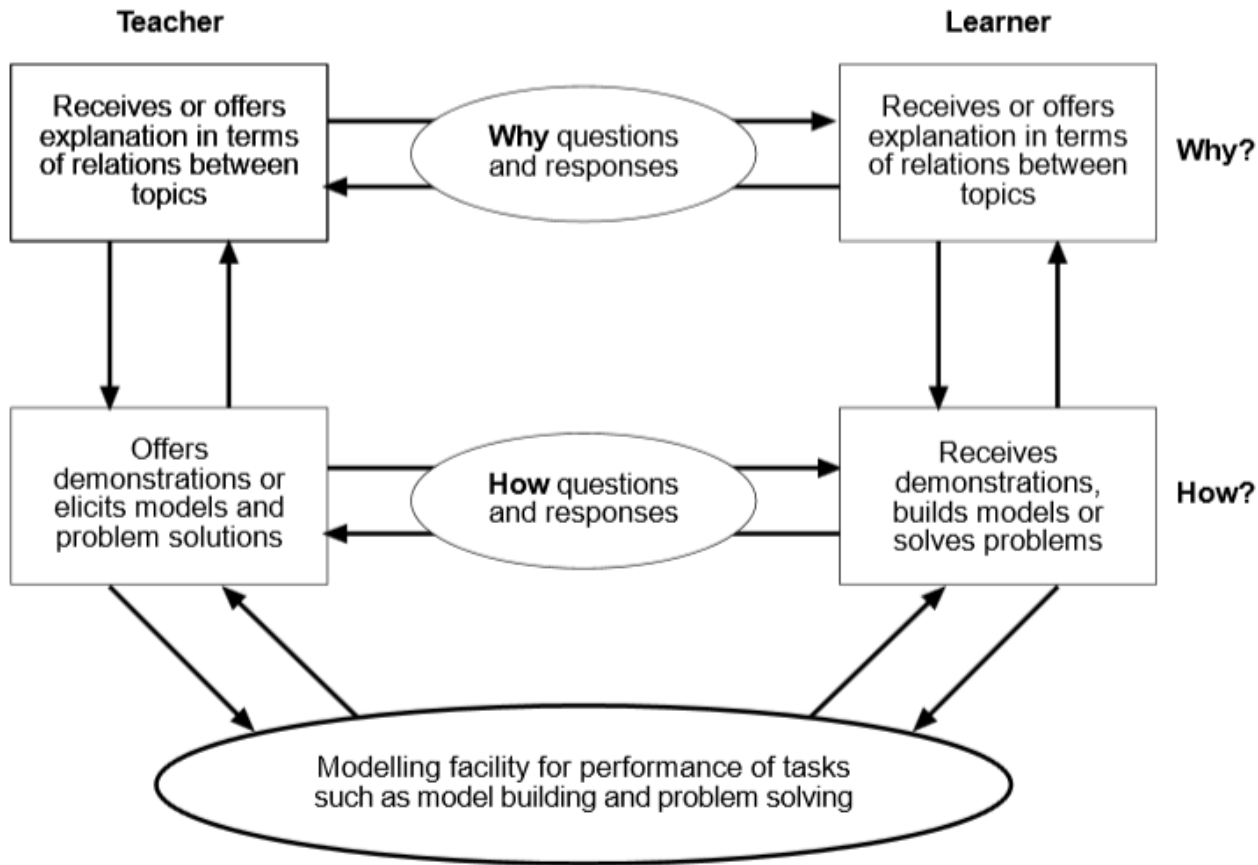
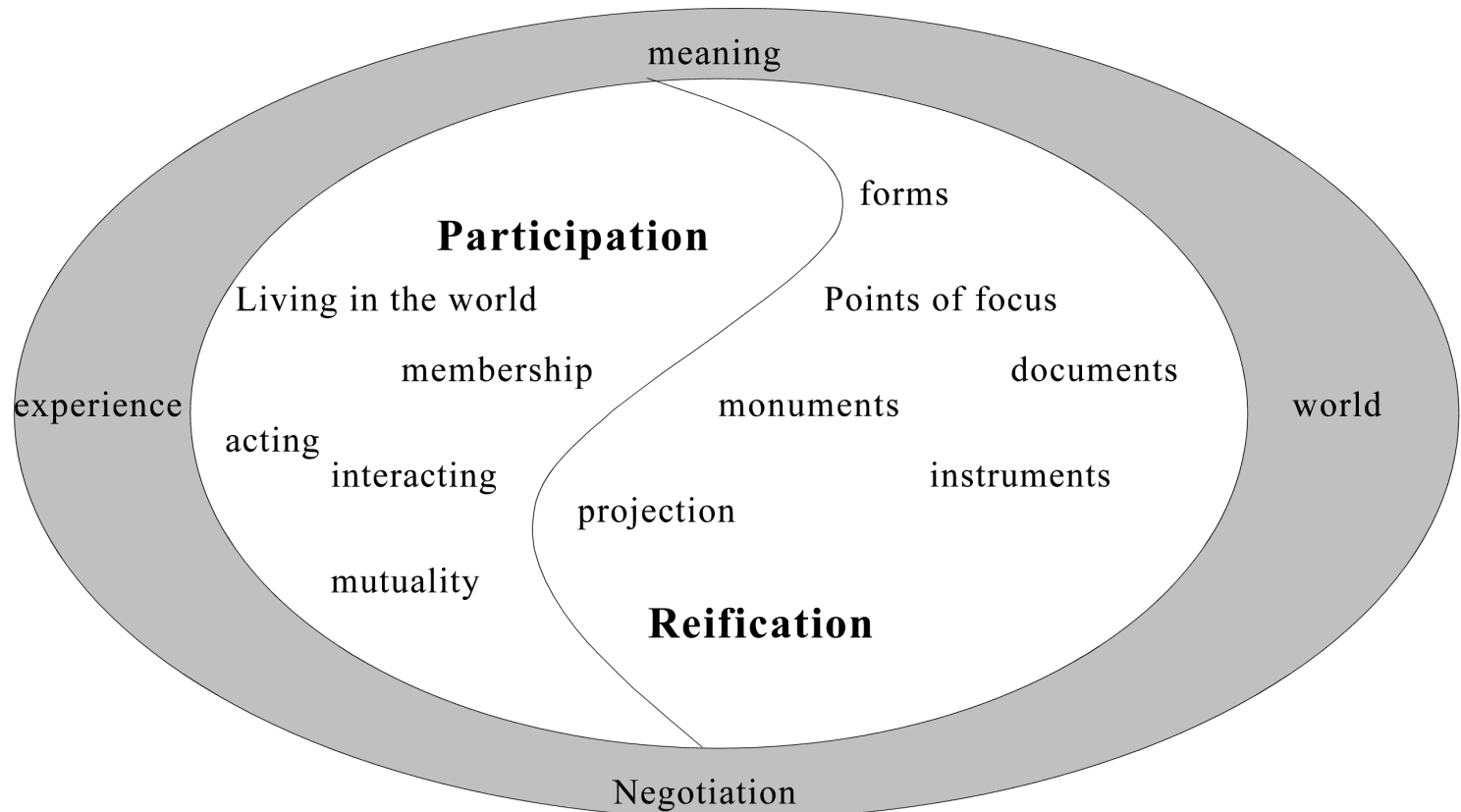


Figure 3 The “skeleton of a conversation” (after Pask).

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.”



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

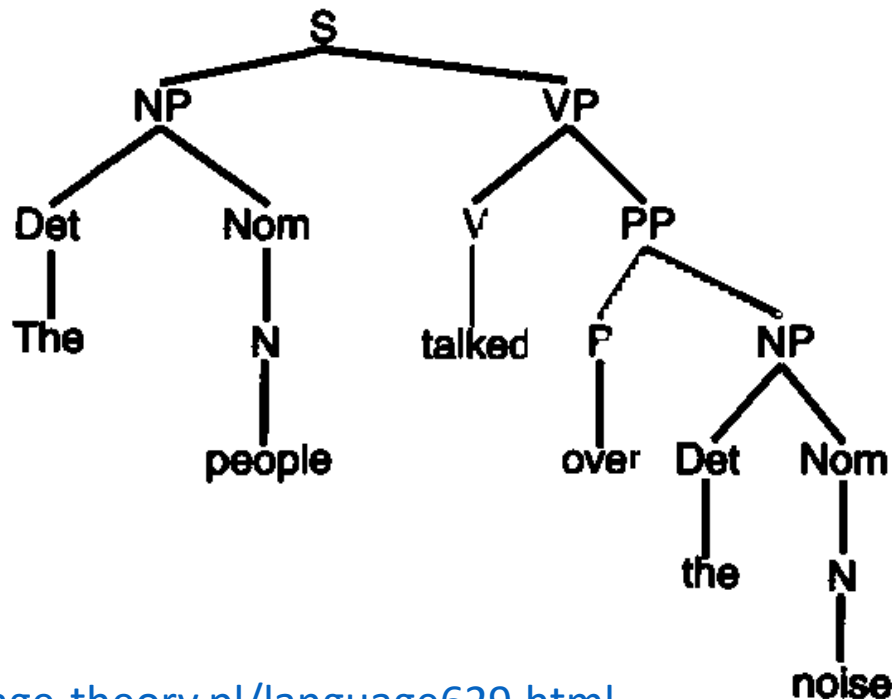
So what follows?

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



Deconstructing Sentences

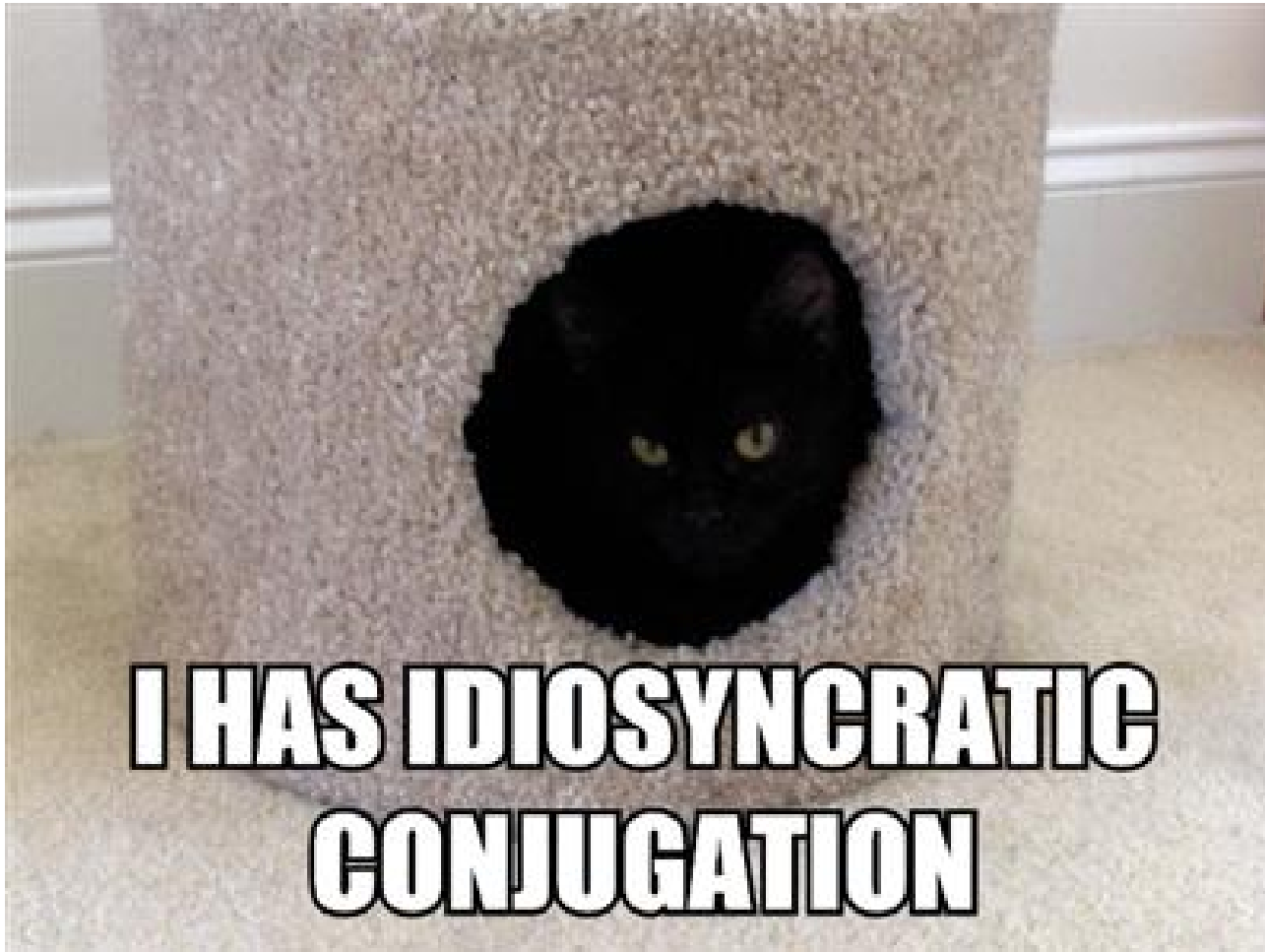
- A simple sentence has subject-object-verb
- A complex sentence can have much more



Anatomy of a Tweet



Understanding LOLcats & Memes



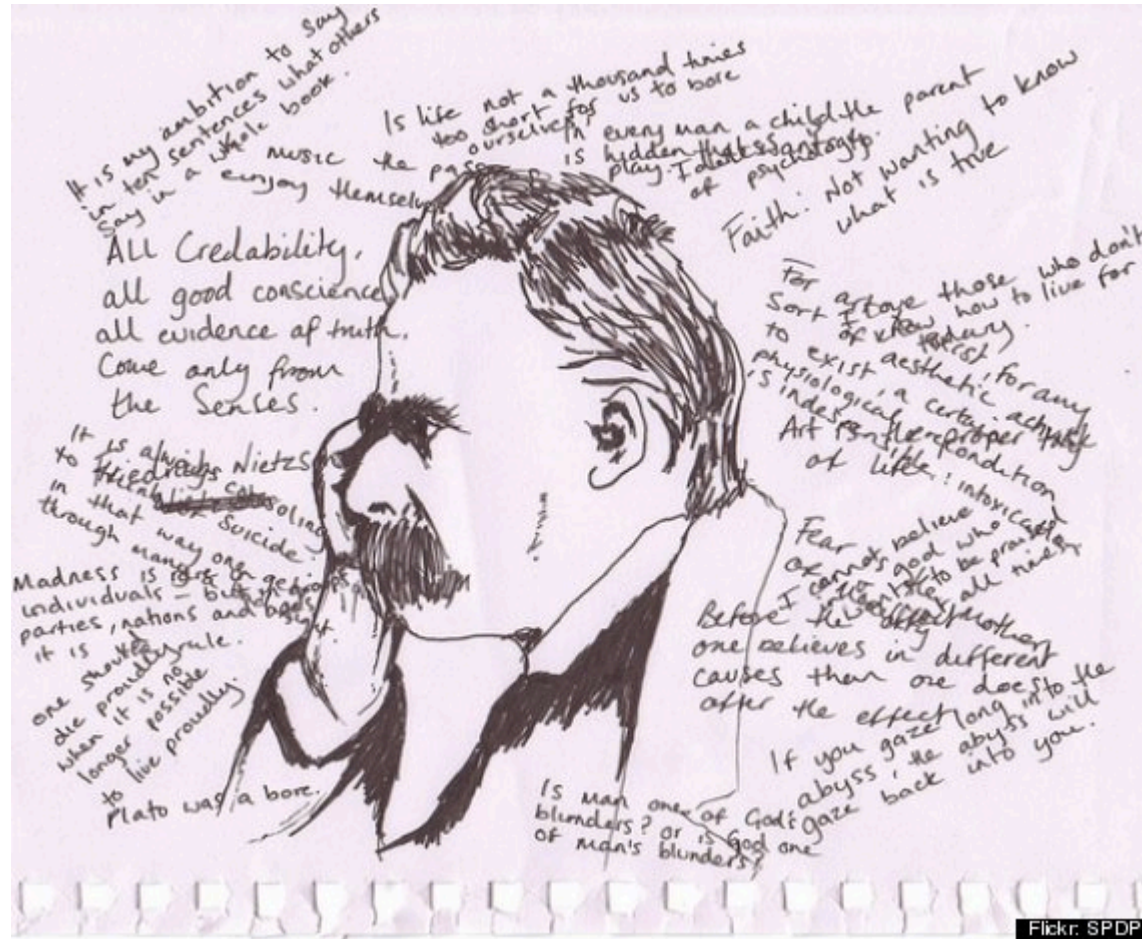
<http://dashes.com/anil/2007/04/cats-can-has-gr.html>

Where Conversations Happen



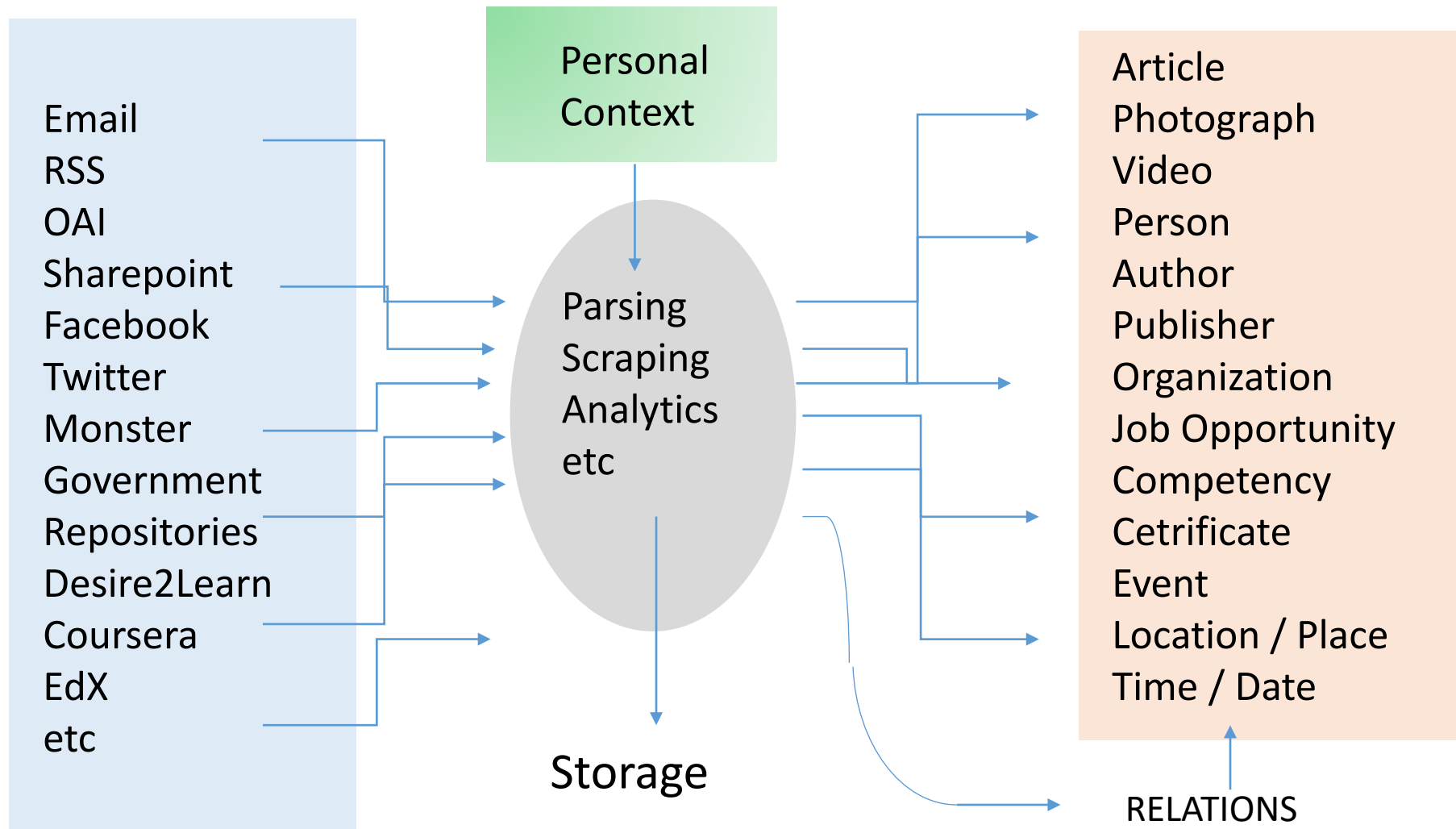
<http://profitecture.com/how-to-get-conversations-going-on-social-media-2/>

What Conversations Contain

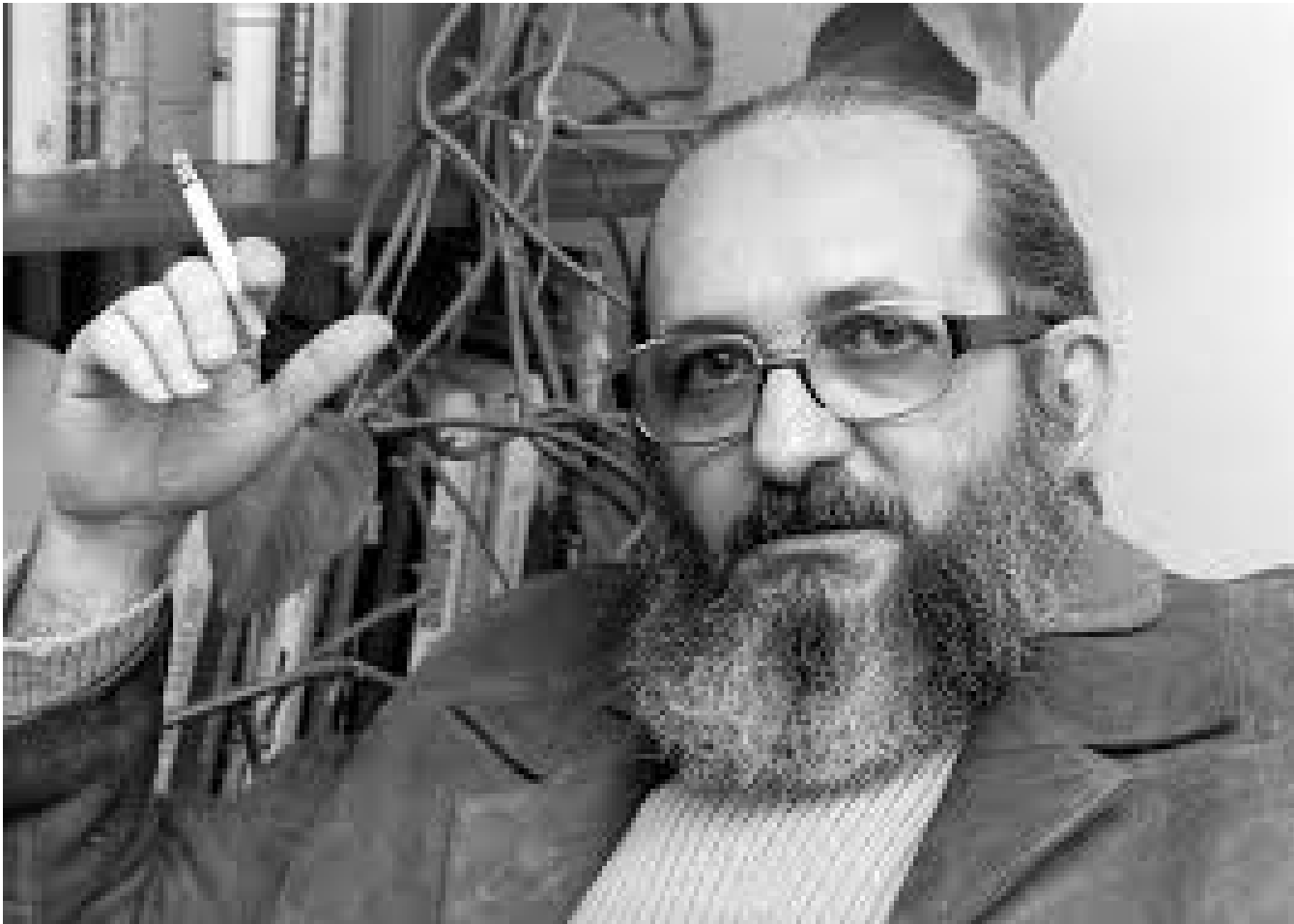


http://www.huffingtonpost.com/2013/08/20/introverts-signs-am-i-introverted_n_3721431.html

RRN Aggregation and Storage



Understanding Knowledge



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

Knowing a Pile of Facts?

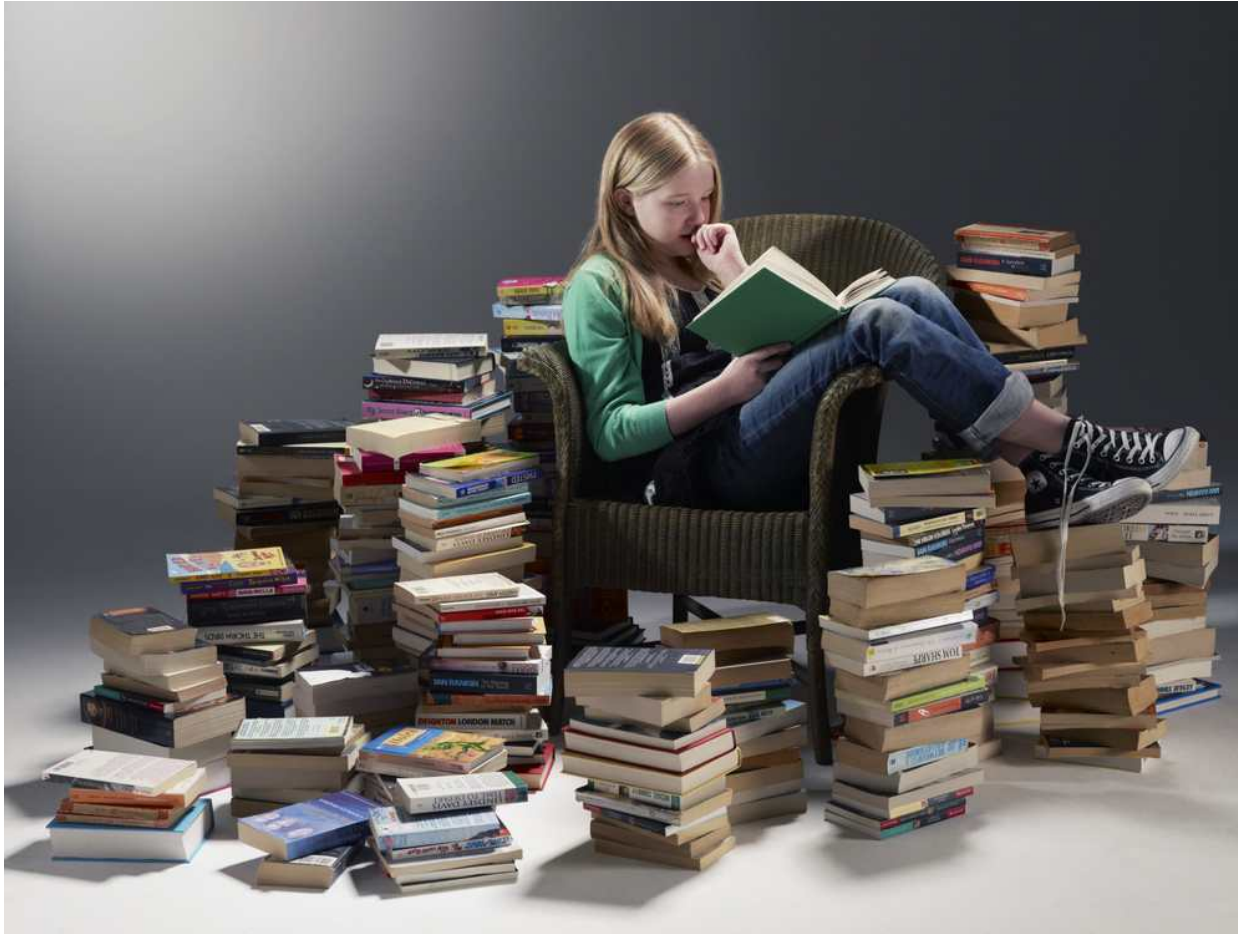
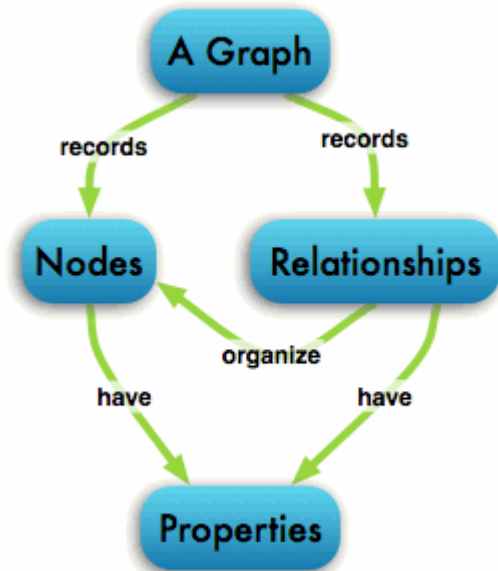
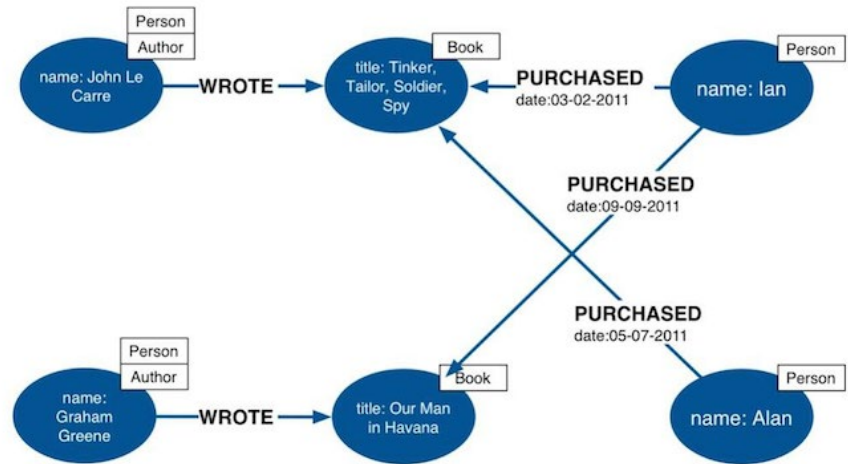


Image: <http://www.rightattitudes.com/>

The Graph Database



Labeled Property Graph Data Model



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

Quality & Narrative

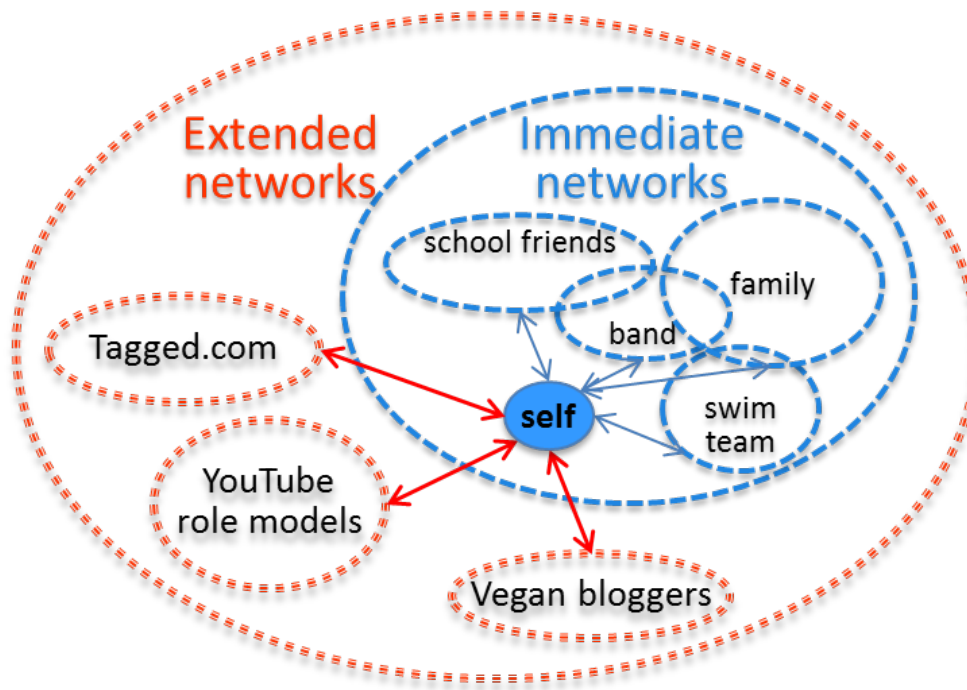
- Accuracy
- Reputation of author/institution
- Standard of technical production
- Accessibility
- Fitness for purpose



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

156,590,606 lessons delivered
KHANACADEMY

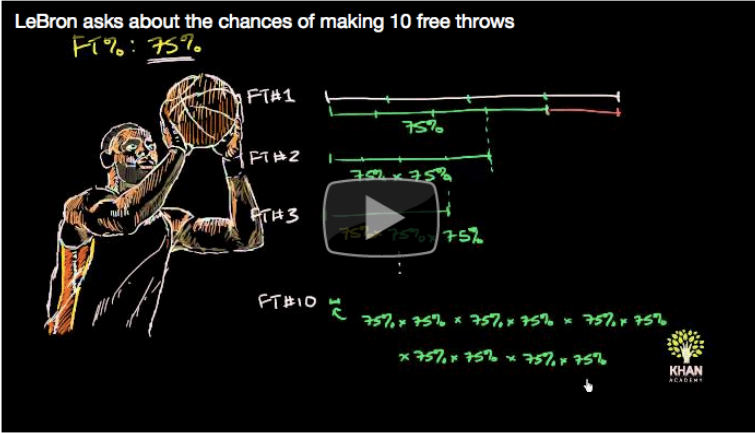
Search for a video or topic

WATCH ▾ PRACTICE COACH VOLUNTEER ABOUT

Login Donate

LeBron asks about the chances of making 10 free throws

FT%: 75%



FT#1
FT#2
FT#3
FT#10

$75\% \times 75\% \times 75\% \times 75\% \times 75\% \times 75\% \times 75\% \times 75\% \times 75\% \times 75\%$

KHANACADEMY

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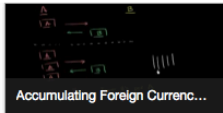
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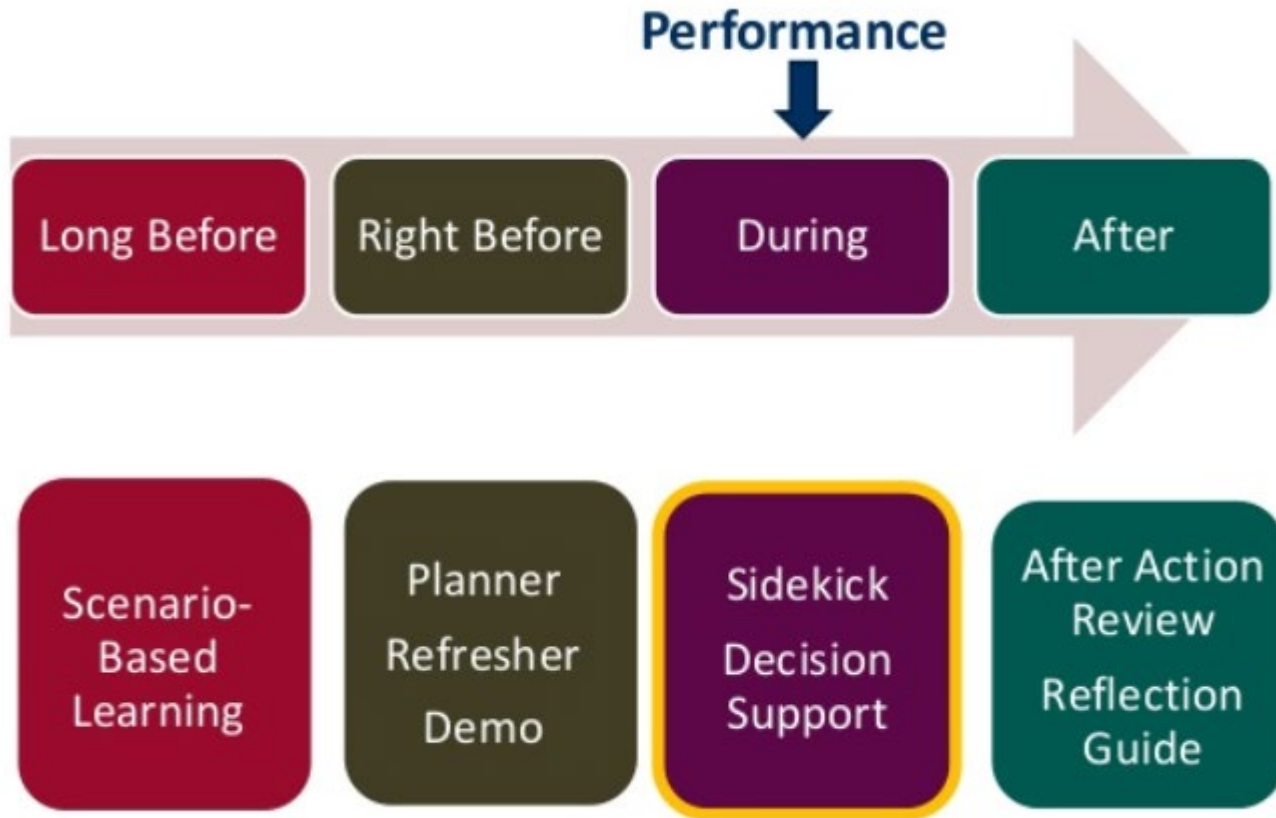


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<http://www.khanacademy.org/>

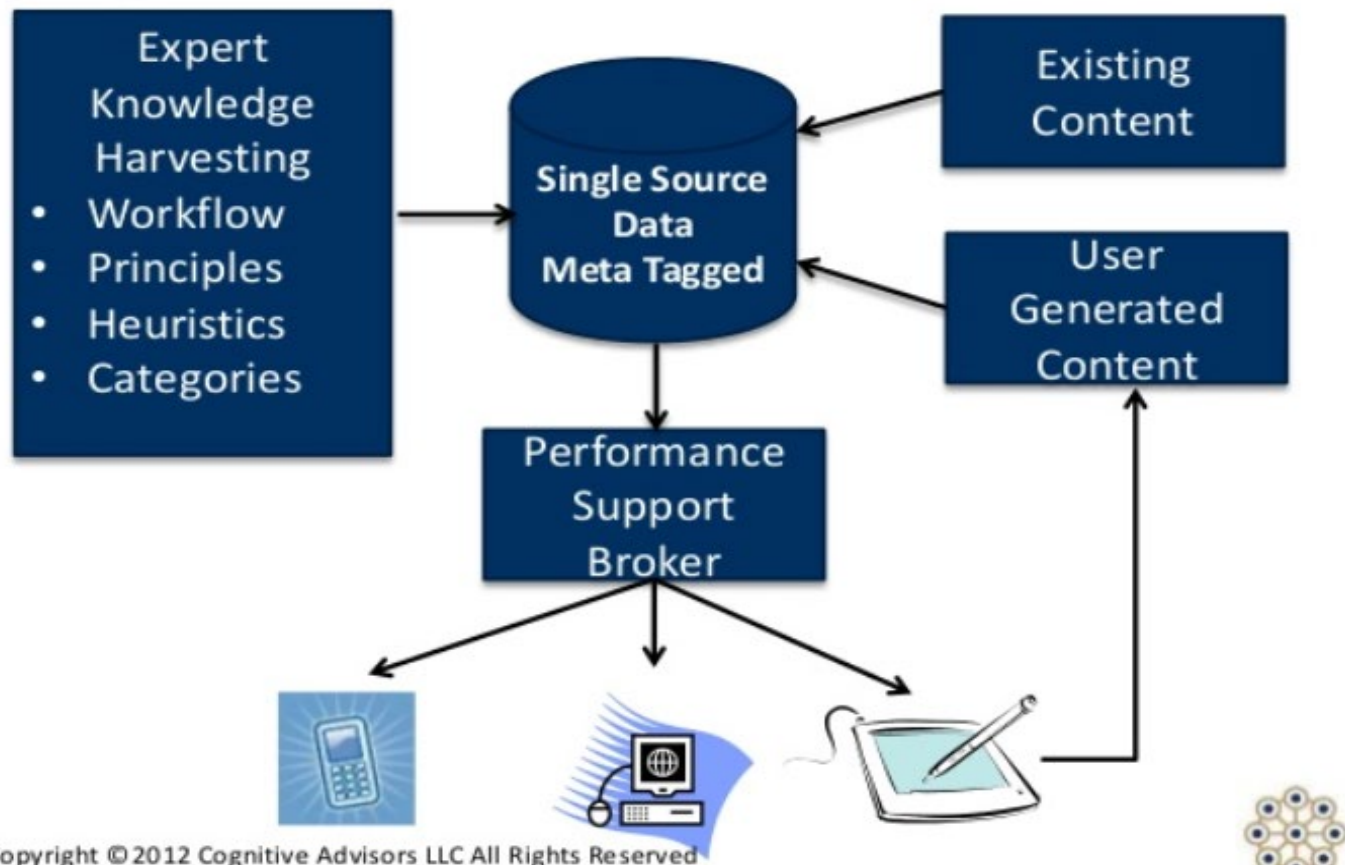
Performance Support



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User-Generated OERs

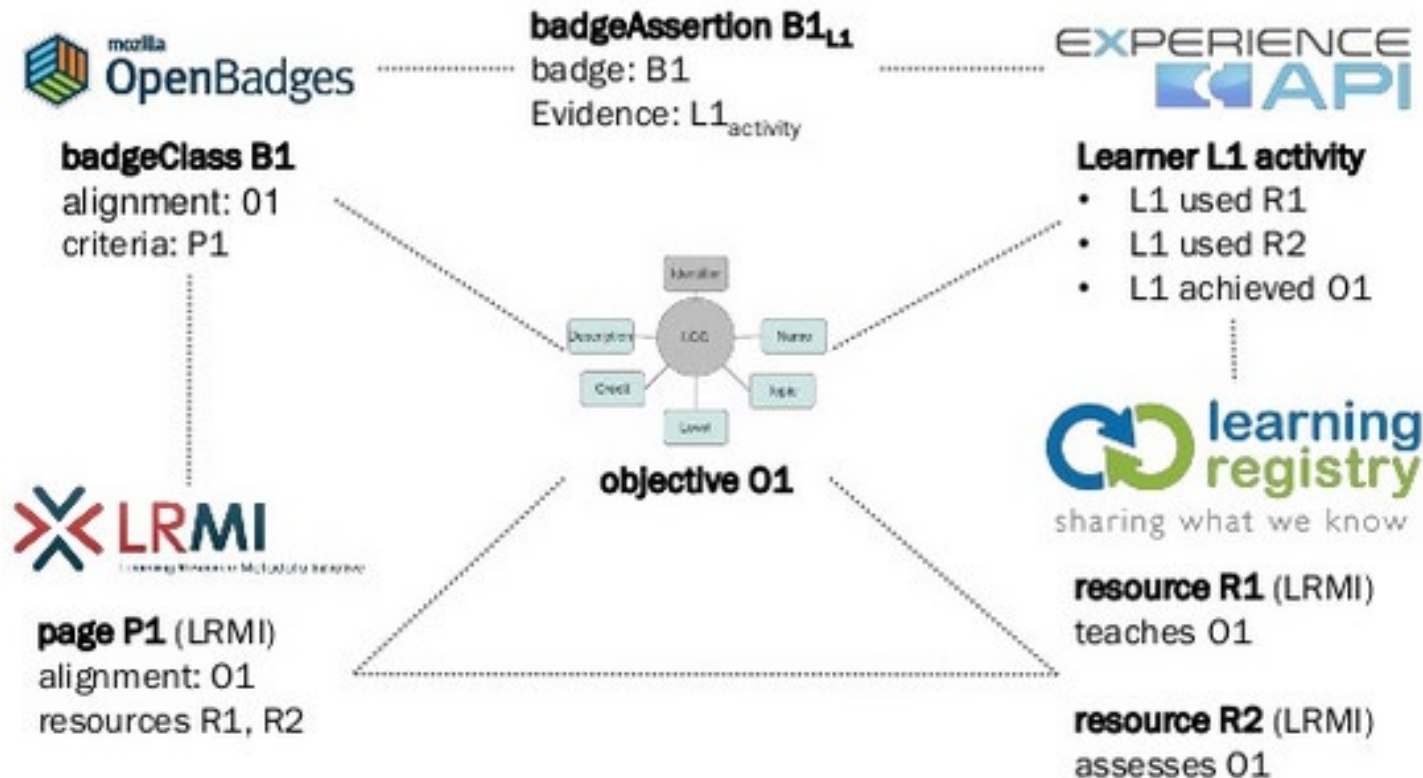


Working Out Loud



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

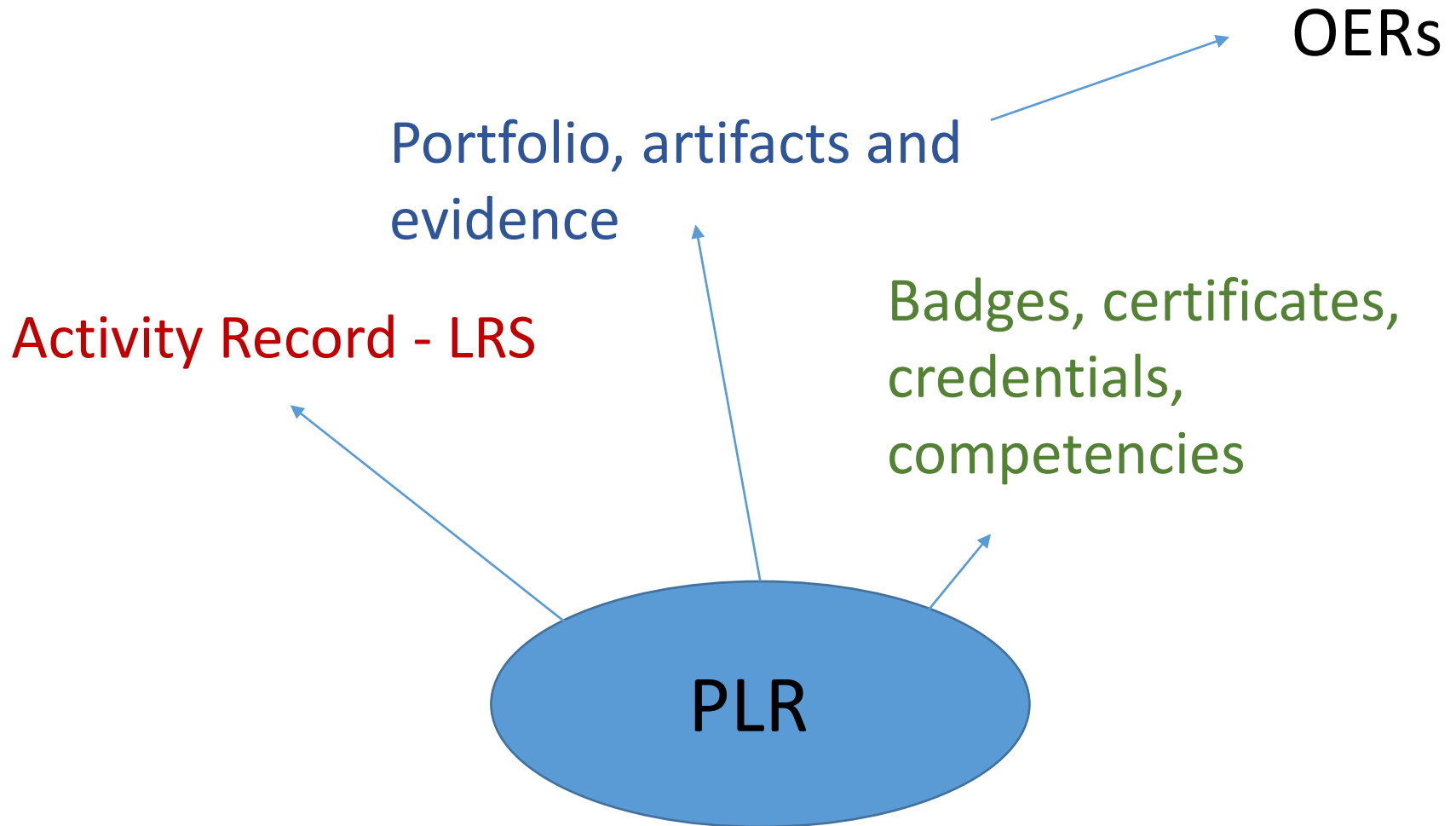
Personal Assistant for Learning



<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



LPSS: Some Case Studies



MOOC – CCK08

The screenshot shows the LTC Connectivism 2008 website. The header includes the LTC logo and navigation links like 'page', 'discussion', 'view source', and 'history'. A welcome message states: "Welcome to the Connectivism and Connective Knowledge Online Course support wiki." It lists conference tags (CCK08) and mentions availability in multiple languages. A sidebar on the left contains sections for 'Navigation' (Main Page, Recent changes, Random page, Sandbox, Help), 'In links' (LTC Website, Activities, Workshops and Resources, Teaching with Technology), 'Open projects' (Educational Psychology), and a search box. The main content area features a 'Contents [vow]' section listing 20 items, from a welcome message to a short paper on connectivism.

A diagram on the right side illustrates a networked learning environment. It shows various components connected by arrows: 'Participants list', 'Links', 'Class homepage', 'RSS feed', 'Technical search CCK08', 'show up on', 'lists', 'Decentralized introductions', 'stratified lectures', and 'profiles'. Some connections are solid, while others are dashed, representing different types of interactions or data flows within the course structure.

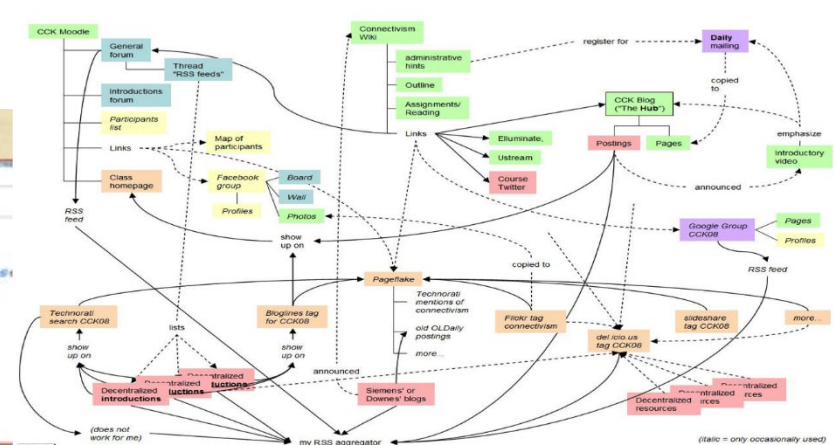
A photograph of Stephen Downes, one of the organizers of the course, speaking at a podium during a presentation. He is wearing a dark jacket over a light-colored shirt and has curly brown hair.

2008: CCK08

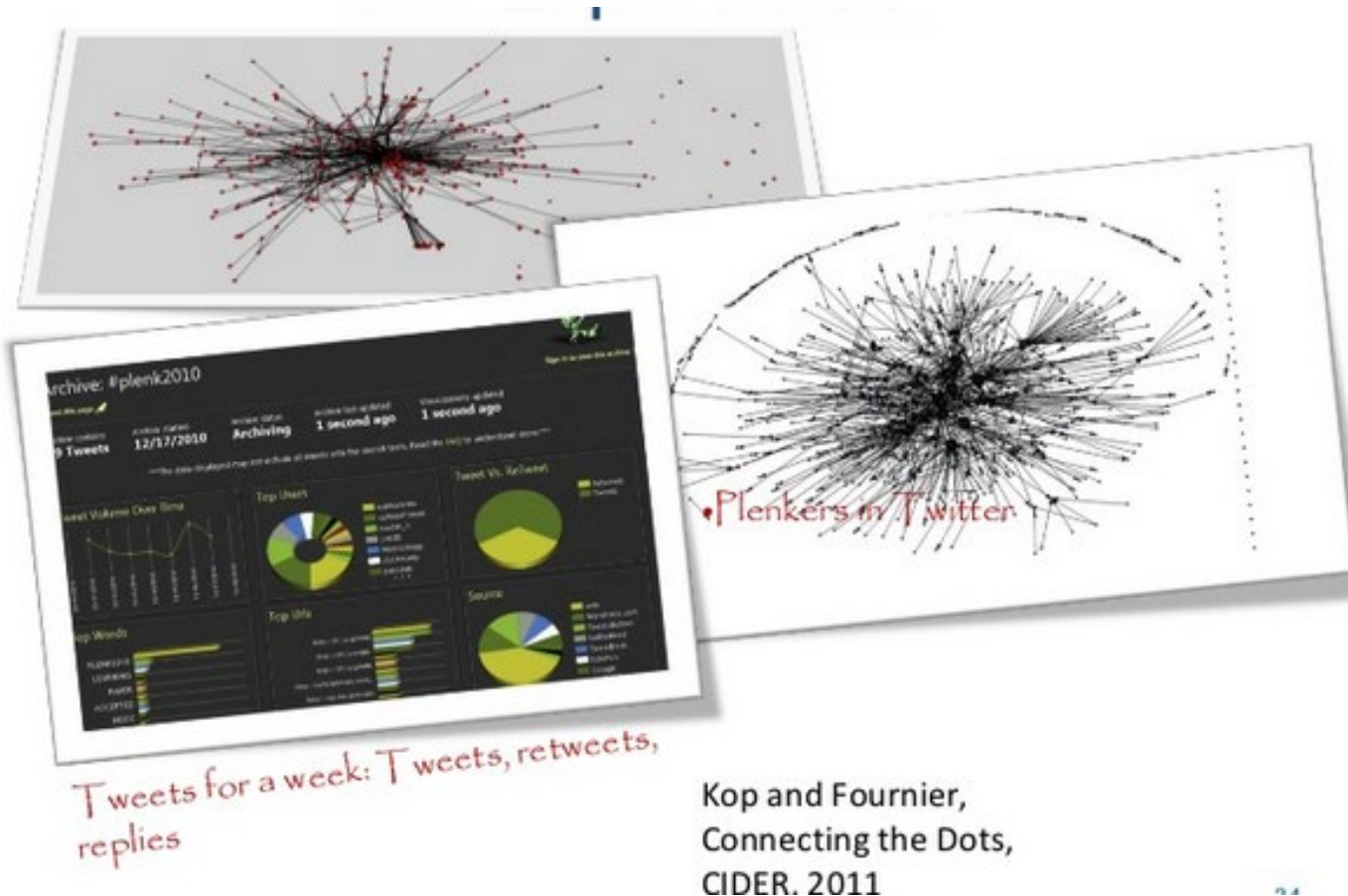
Stephen Downes, George Siemens

The First Massive Open Online Course (MOOC)

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



Plearn – Importance of the Graph



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

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

OIF – MOOC-REL

REL 2014 - Pour une éducation libre

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[VOTRE COMPTE](#)
[COMPTES RENDUS](#)
[PARTICIPER](#)
[SYNDICATION RSS](#)
[ARCHIVES](#)

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



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

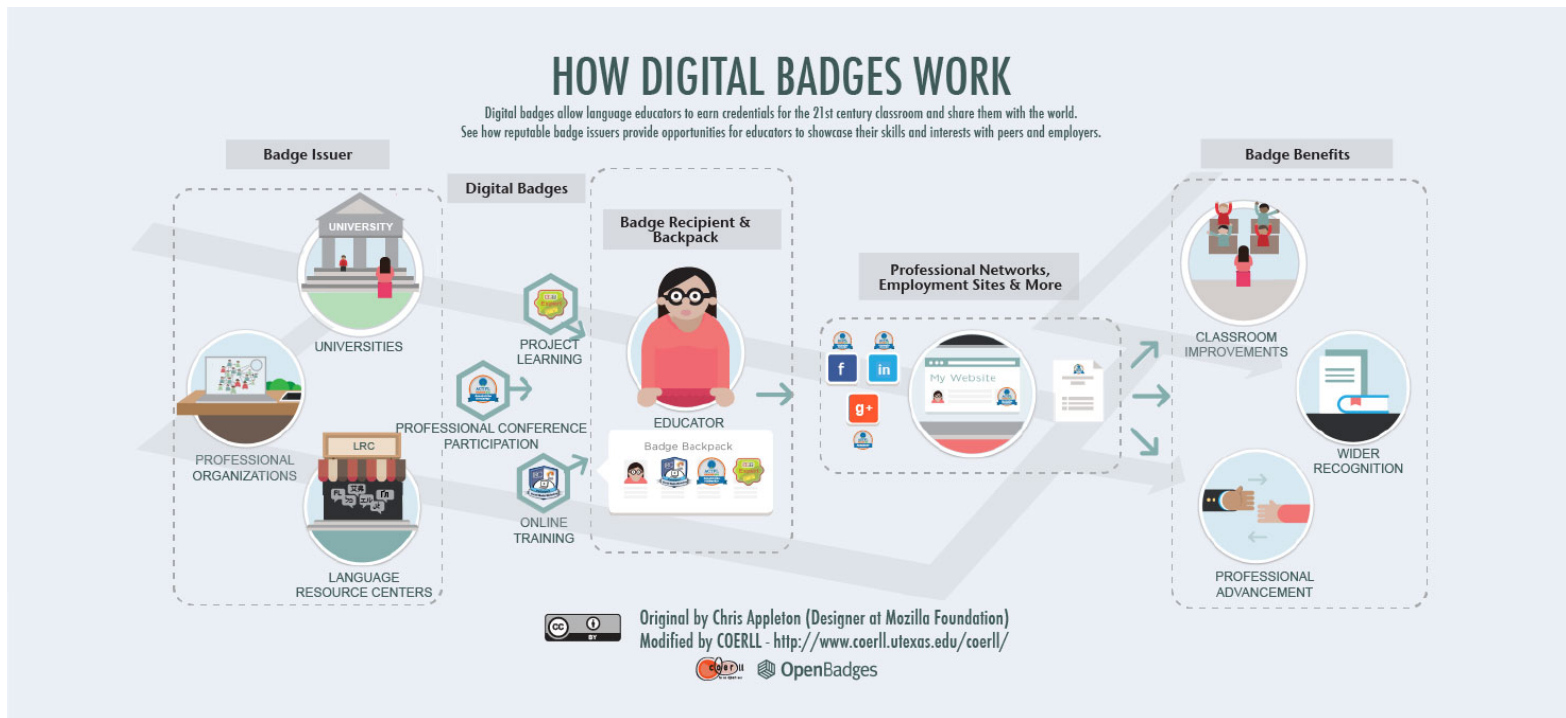
Bienvenue à votre Cours en Ligne Ouvert et Massif (CLOM) de l'Organisation internationale de la Francophonie portant sur les ressources éducatives libres (REL).

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

<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



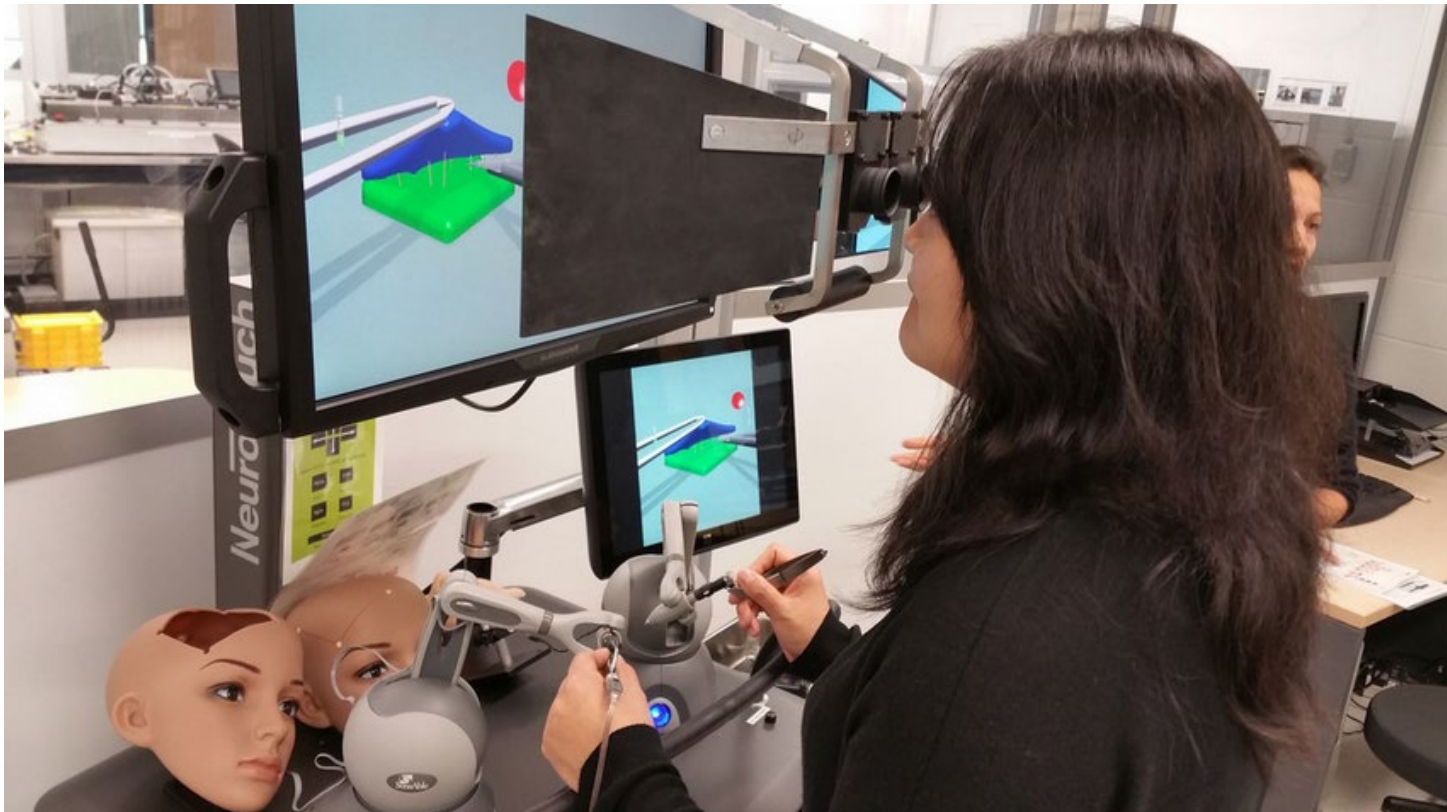
<http://www.downes.ca/presentation/337>

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/>

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



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Learn more

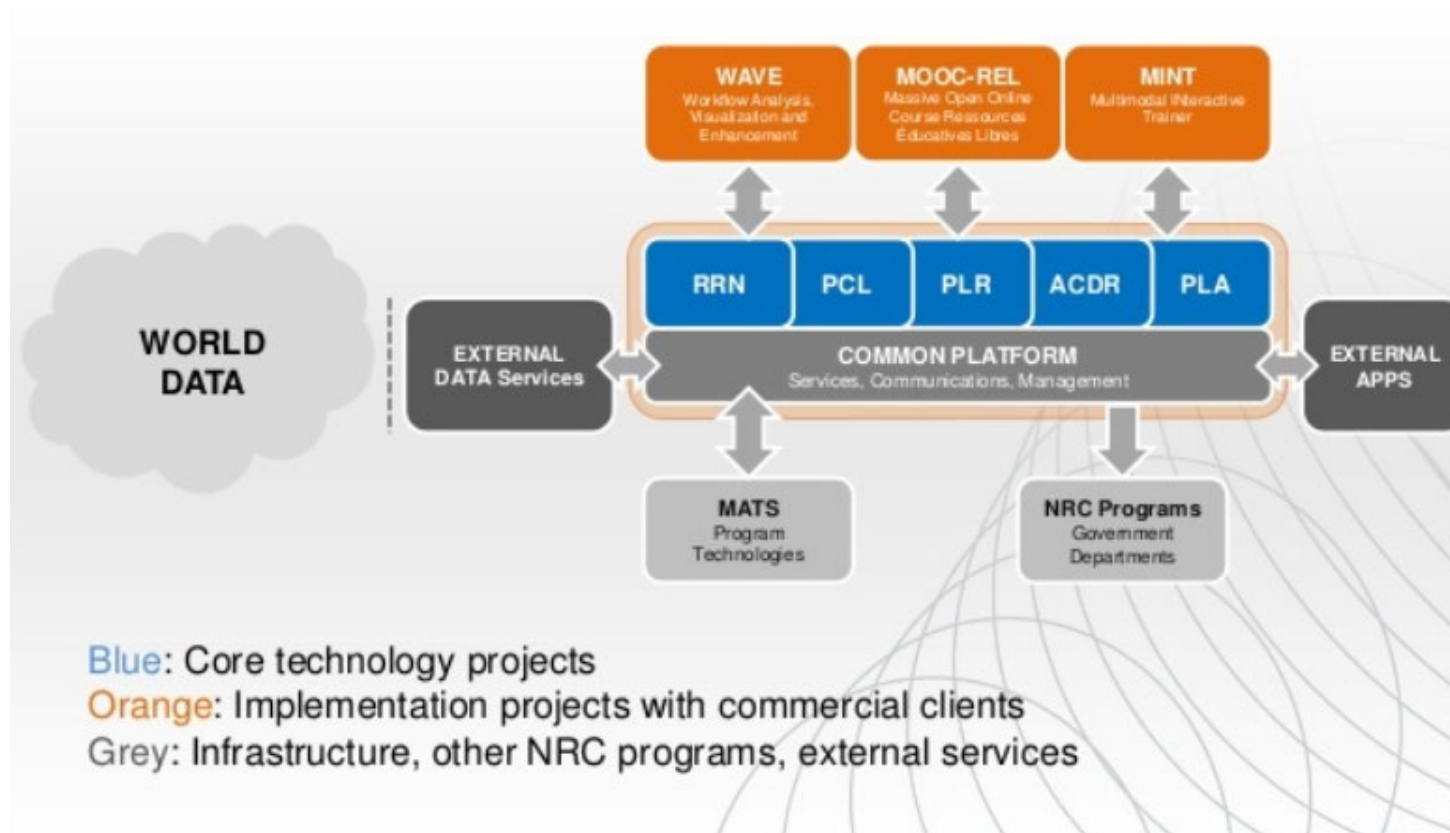


Create an account to get the benefits to support you & your business!



<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>