



**Stephen Downes, Rita Kop, Chouki
Regoui, H el ene Fournier
10 May, 2011**

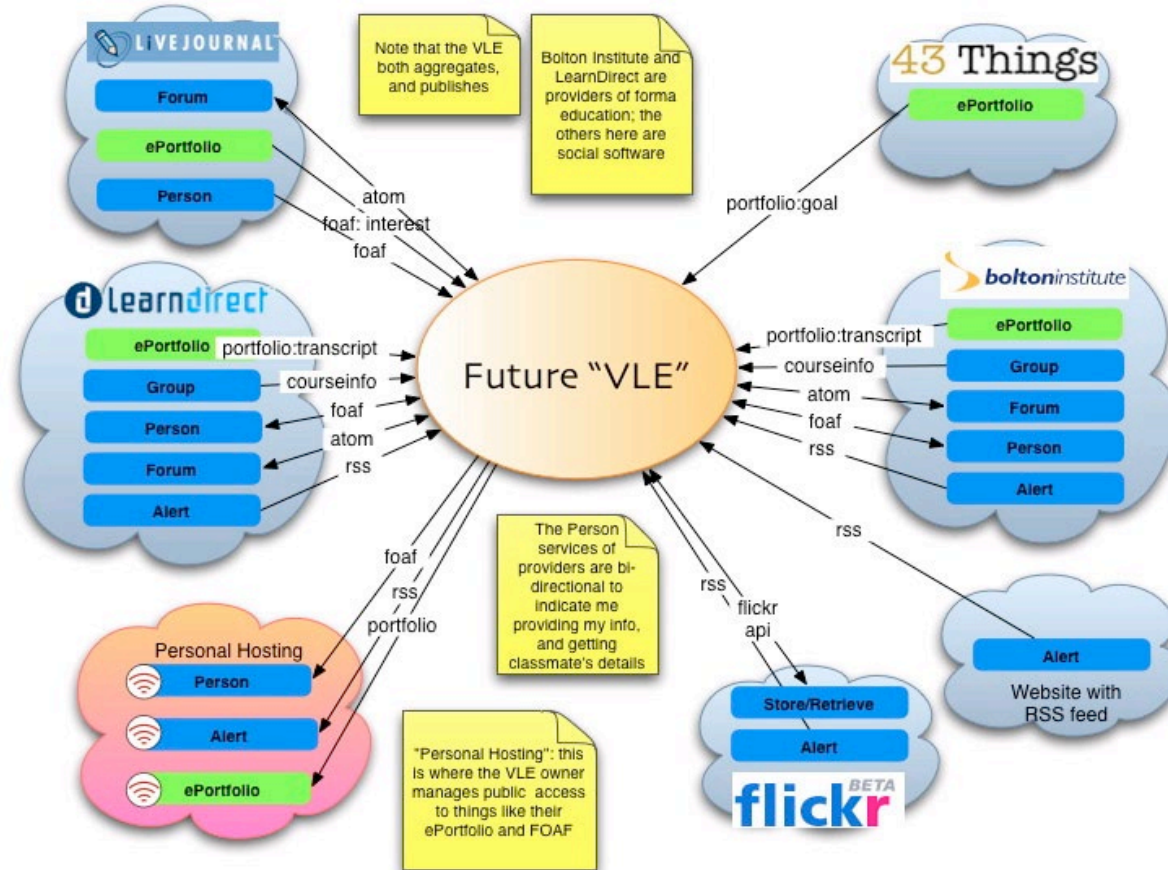


National Research
Council Canada

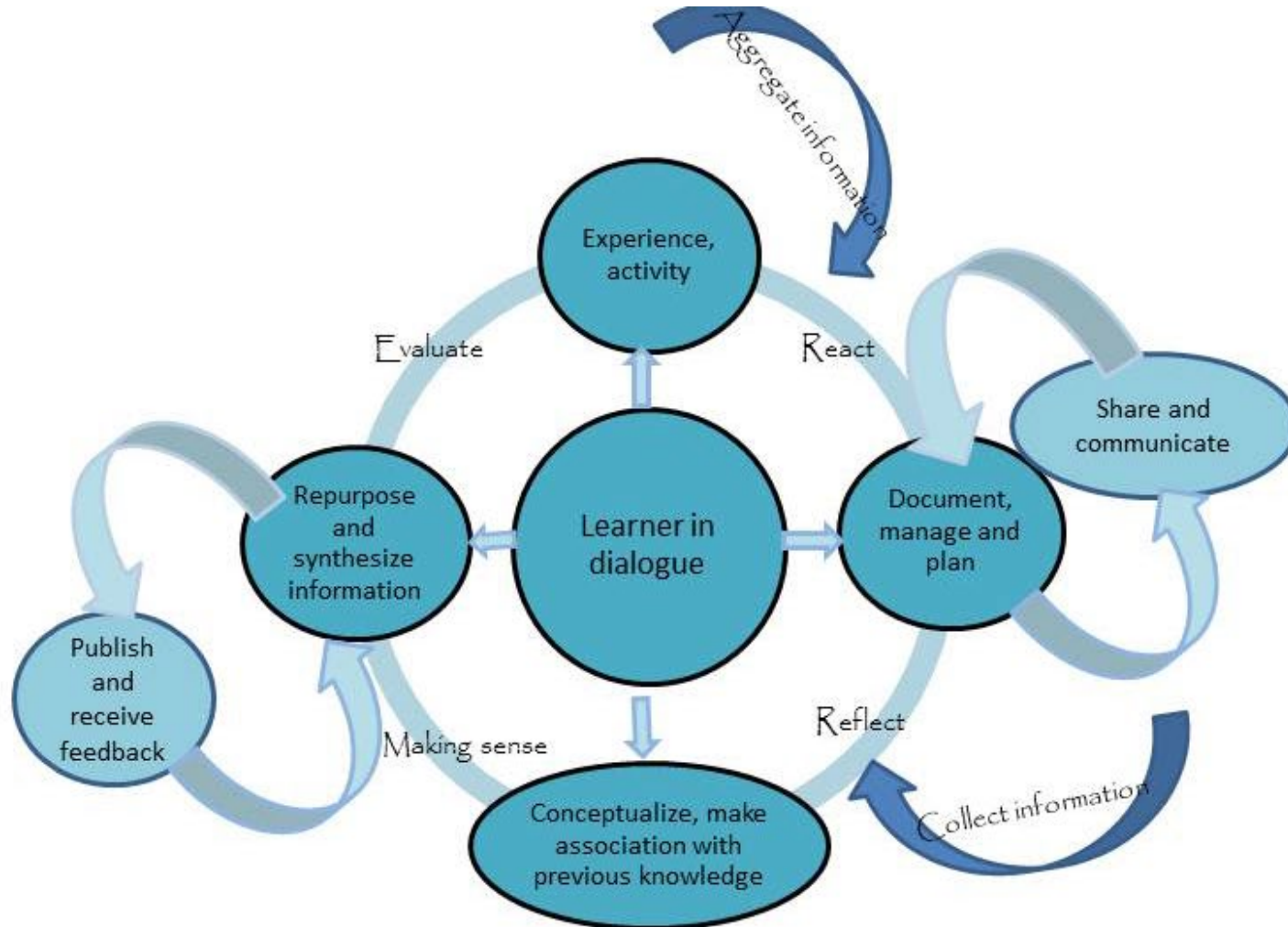
Conseil national
de recherches Canada

Canada

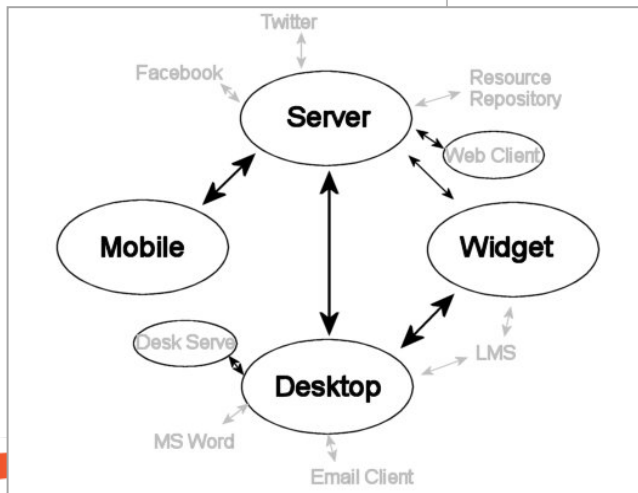
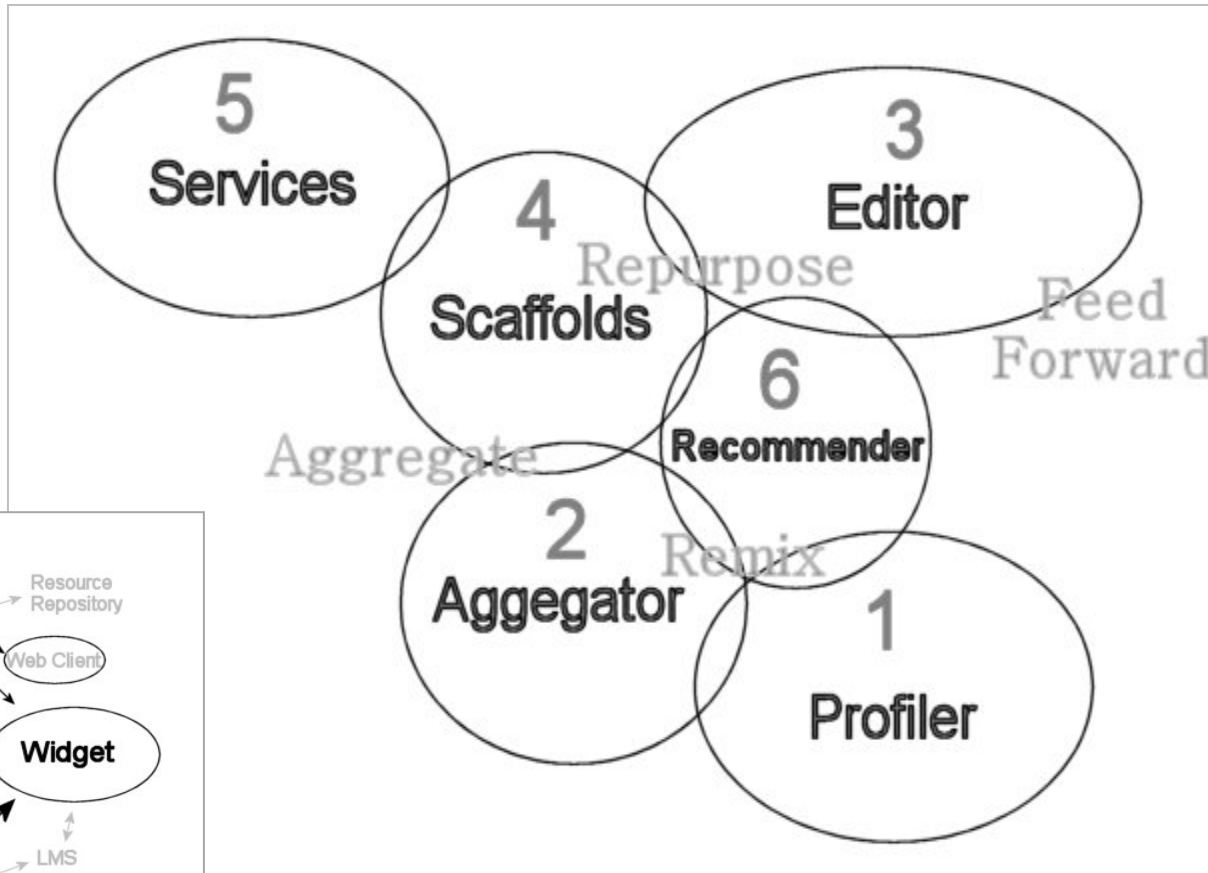
The Idea of the PLE



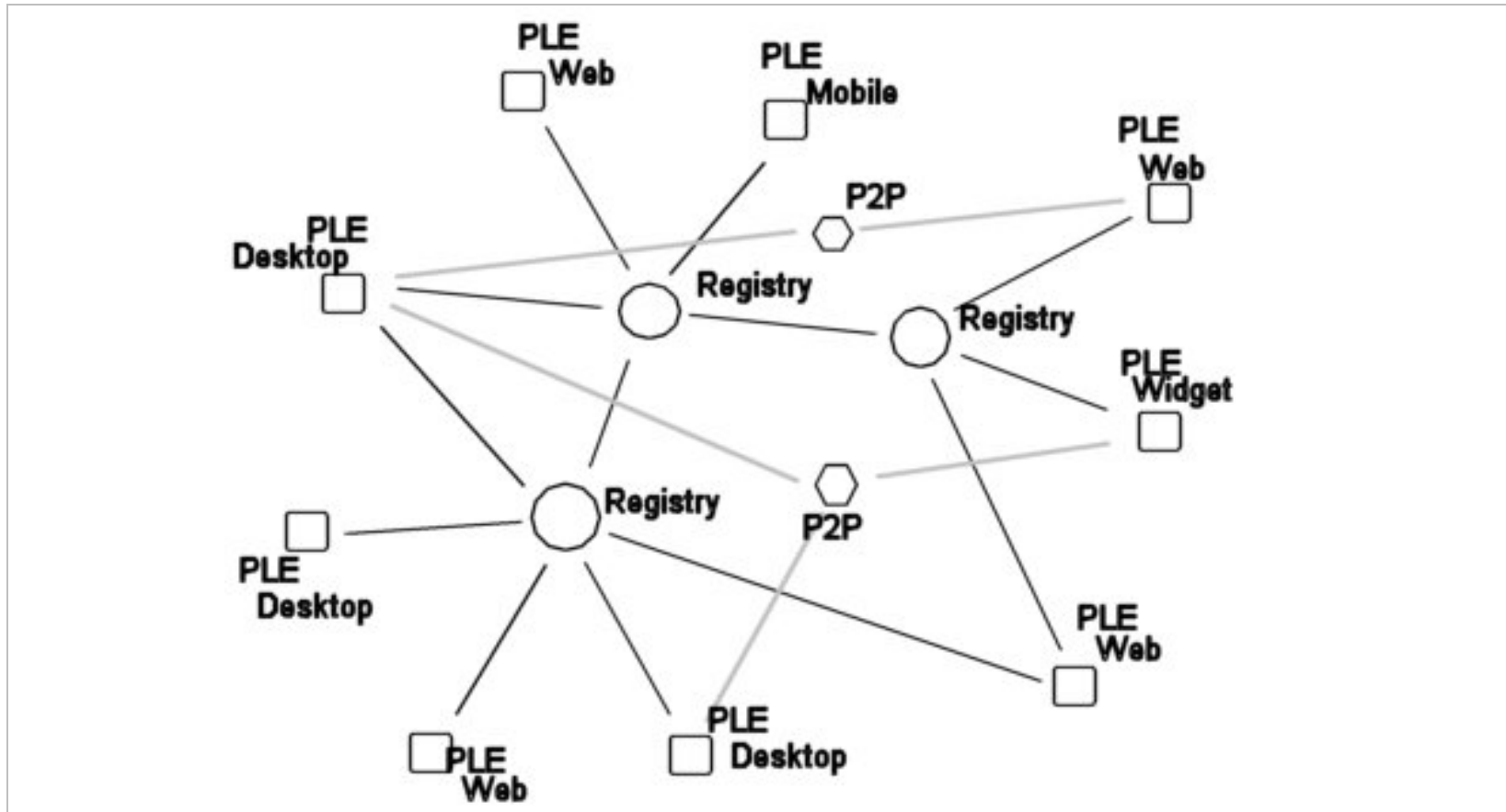
PLE-based



PLE Components



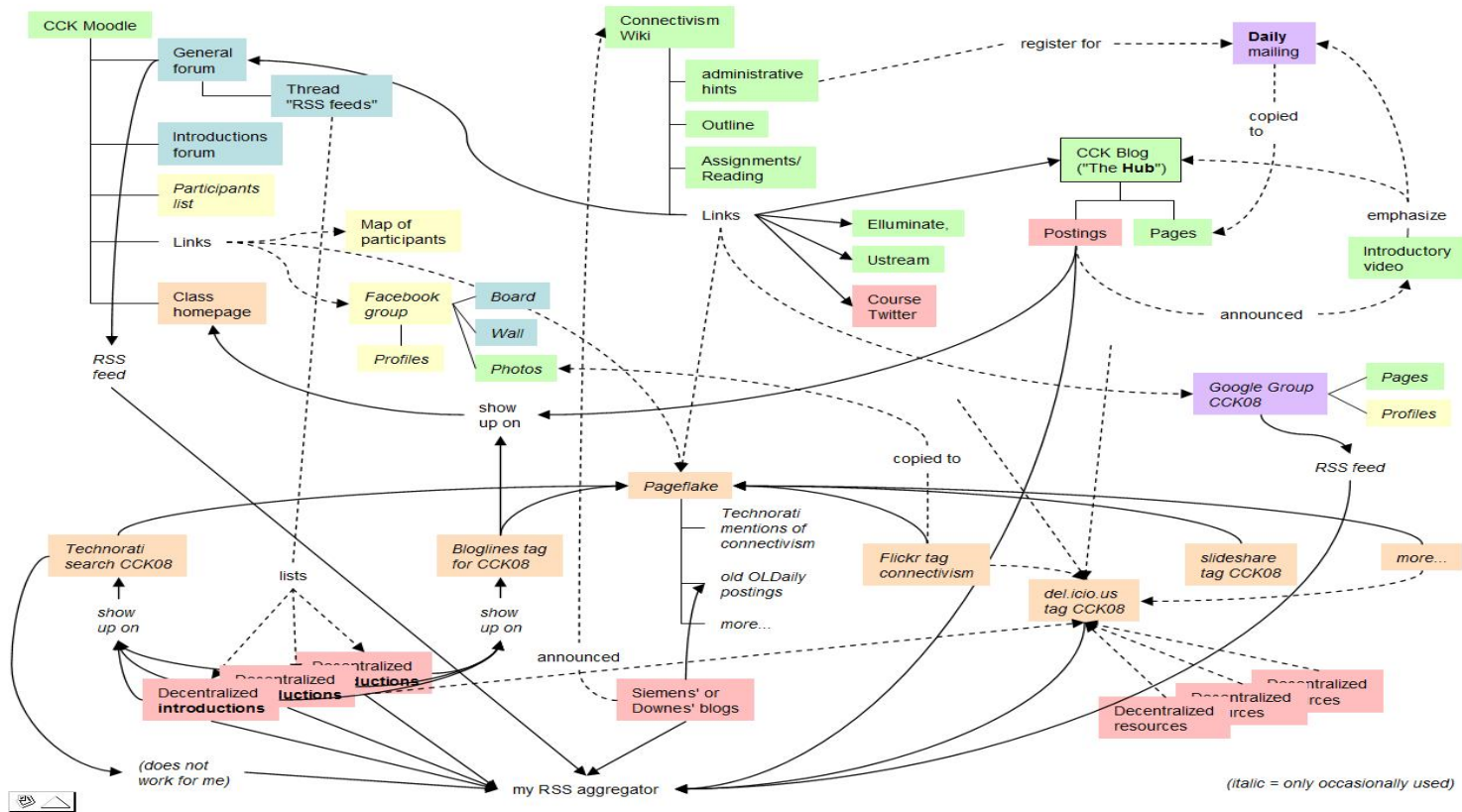
Learning Network



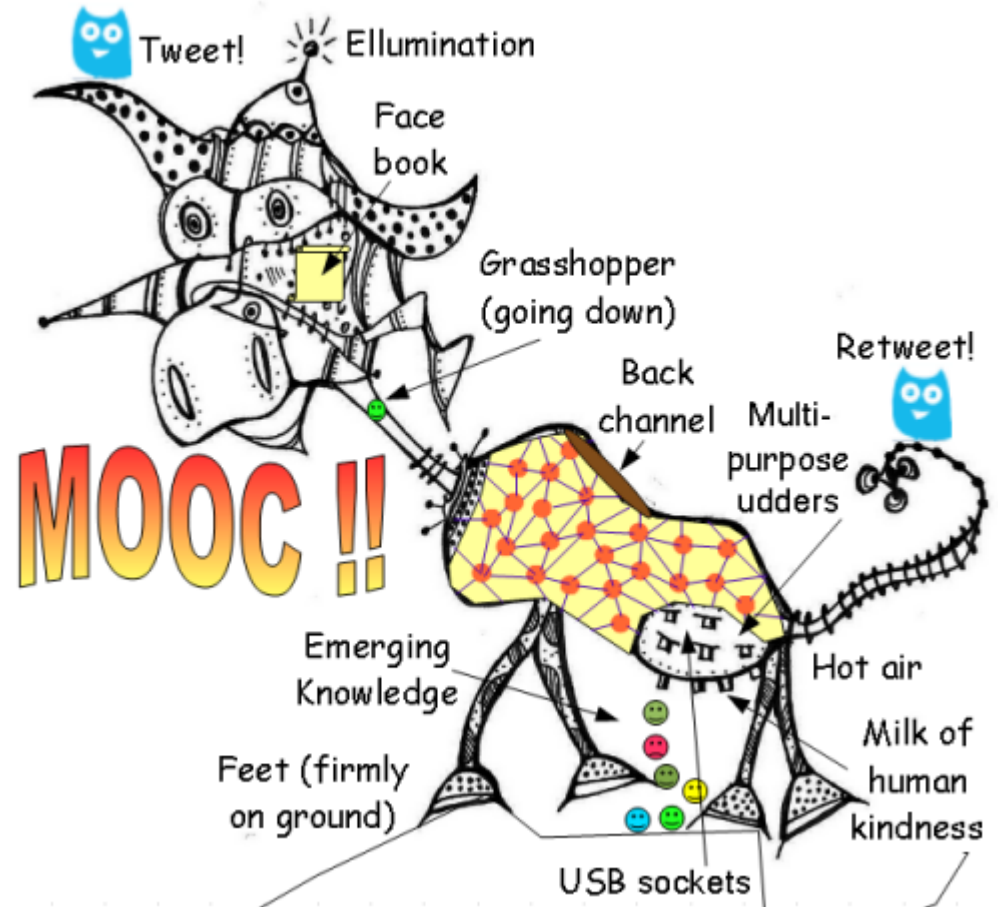
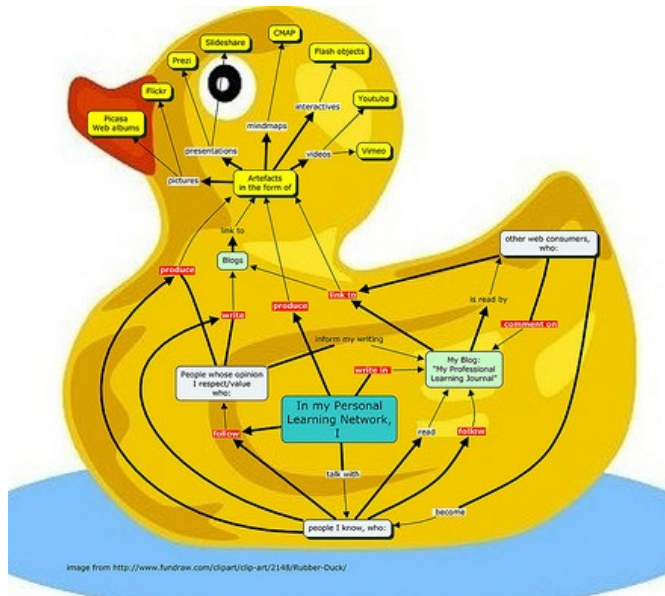
Design-Based Approach

Design Based Research Approach	Design type	Research methods	Development phase	Evaluation phase	Dissemination phase
Background research	<ul style="list-style-type: none"> Product design Usage centred design Interface design Learner experience design Instructional design 	<ul style="list-style-type: none"> Literature review Super-users surveys Close contact with PLE researchers worldwide 	<ul style="list-style-type: none"> Feed results of literature and surveys into the design 		<ul style="list-style-type: none"> Journal articles, book chapters, conference papers
Innovation development	<ul style="list-style-type: none"> Product design Usage centred design Learner experience design 	<ul style="list-style-type: none"> Iterative process of design and development Tracking of Intellectual Property 	<ul style="list-style-type: none"> Creation of PLE architecture Design and development of PLE components Development of data model/flow 	<ul style="list-style-type: none"> Evaluation of prototype after each iteration Evaluation of IP of prototype 	<ul style="list-style-type: none"> Commercialization IP and patent development Diffusion and adoption
Usability testing	<ul style="list-style-type: none"> Product design Usage centred design Interface design 	<ul style="list-style-type: none"> Feedback on mock-ups of the PLE Testing of the PLE prototype at each stages of development/iteration 	<ul style="list-style-type: none"> Feed the results of tests into design Start process again at next iteration 	<ul style="list-style-type: none"> Test final prototype on quality, interface and usability 	<ul style="list-style-type: none"> Journal articles, book chapters, conference papers
Educational research	<ul style="list-style-type: none"> Learner experience design Instructional/scaffold design 	<ul style="list-style-type: none"> Piloting testing and comparisons of learning in 3 case studies (with different users in different scenarios) 	<ul style="list-style-type: none"> Case studies in MOOCs Workplace-based Multi-media based without and with Plearn 	<ul style="list-style-type: none"> Evaluation of learner experience Evaluation of instruction/ facilitation/ scaffolding Theory development 	<ul style="list-style-type: none"> Journal articles, book chapters, conference papers

The Connectivism Courses



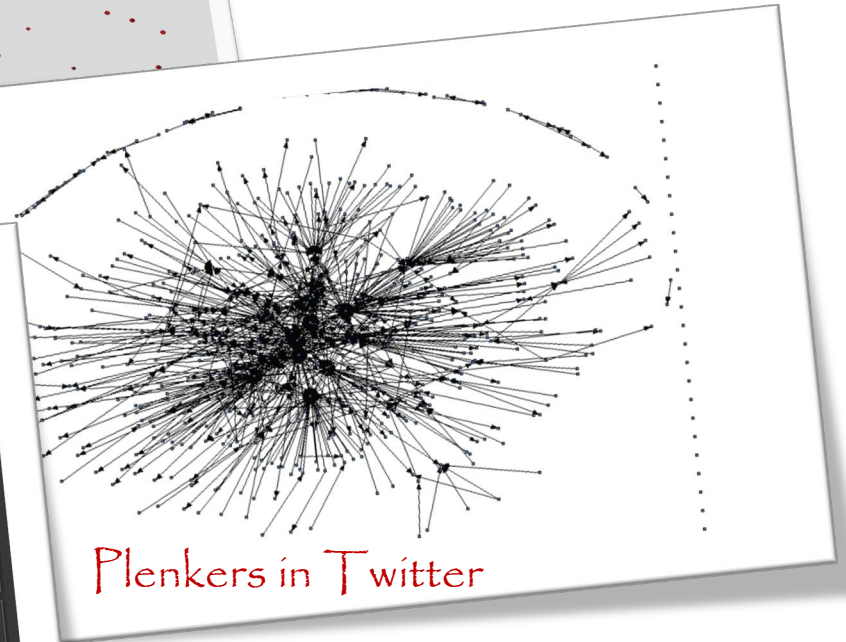
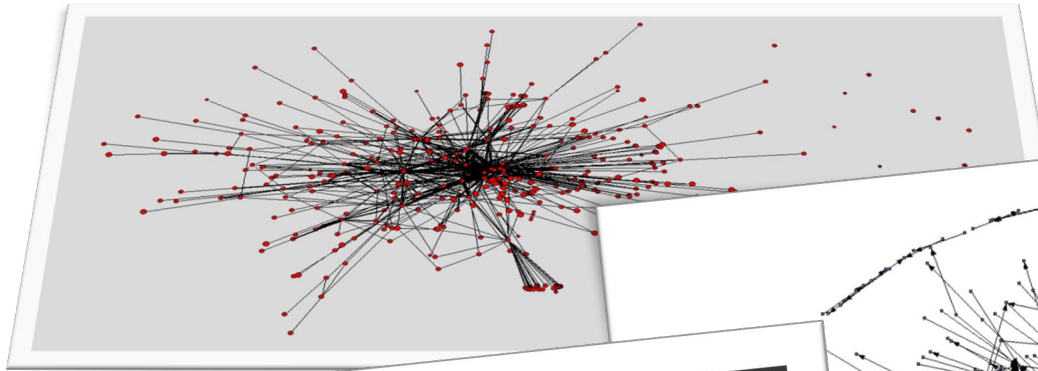
The Connectivism Courses



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



Learner Interactions

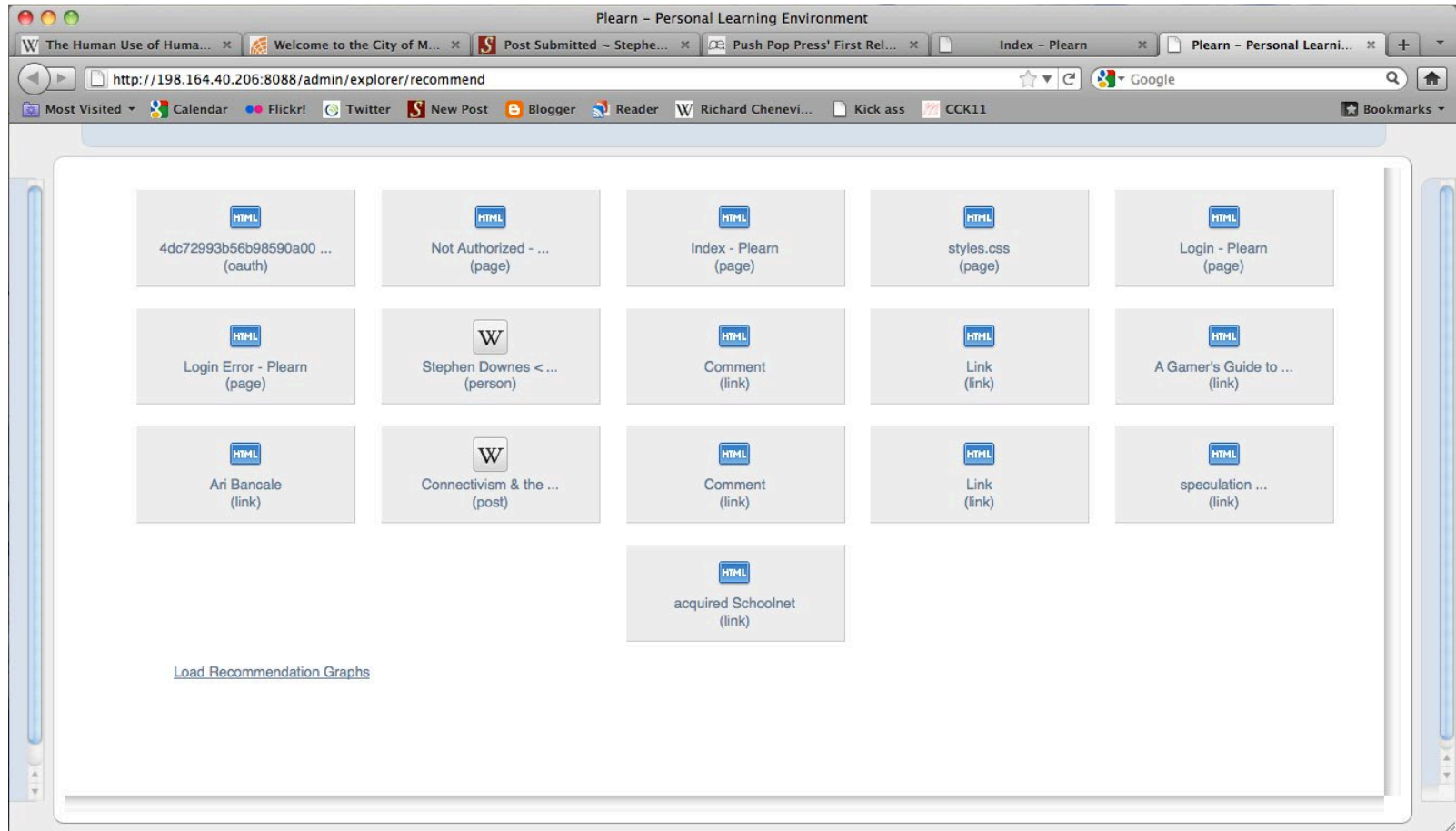


Plenkers in Twitter



1 tweets for a week: 1 tweets, retweets, replies

Explorer Interface



Panel Support

The screenshot shows a web browser window titled "Plearn - Personal Learning Environment". The address bar displays the URL <http://198.164.40.206:8088/admin/explorer/recommend#>. The browser's toolbar includes various icons for navigation and search.

The main content area features a grid of recommendation panels, each with an "HTML" icon and a title:

- 4dc72993b56b98590a00 ... (oauth)
- Not Authorized - ... (page)
- Index - Plearn (page)
- Login - Plearn (page)
- Login Error - Plearn (page)
- Stephen Downes < ... (person)
- Link (link)
- A Gamer's Guide to ... (link)
- Ari Bancale (link)
- Comment (link)
- Link (link)
- speculation ... (link)

Below the grid is a link labeled "Load Recommendation Graphs".

On the left side, there is a "Search Plearn" panel with a text input field and a "None" button. Below it is a "Recommendation Filters" section with a dropdown menu showing "5 selected". A list of items is visible, including "Stephen's Web ~ OLDaily (feed)", "content-main (view)", "styles.css (page)", "Connectivism & the ... (post)", "4dc72993b56b98590a000021 (oauth)", "Index - Plearn (page)", "header (view)", "footer (view)", "content-navigation (view)", and "content-left (view)". A "Load More..." link is at the bottom of this list.

On the right side, there is a panel with "Unpin" and "Don't Overlap" options, and buttons for "Show Twitter" and "Show CChat". Below these is a text snippet: "Looks to me like it's supposed to keep people In touch - behaves oddly on the iPad thOugh". It is attributed to "Posted by: Kimbowa on Sun, 8 Aug 2010 20:05:02 -0400". There is also a "Search Persons" section with a text input field and a "None" button.



Scaffolds

The screenshot displays a web browser window titled "Plearn - Personal Learning Environment". The address bar shows the URL: `http://198.164.40.206:8088/admin/explorer/relationship?type=post&id=4db97dacb56b984d2e000044#`. The browser's toolbar includes various icons for social media and utilities. The main content area features a network graph with a central node labeled "Stephen's Web ~ OLDaily" and several surrounding nodes connected by lines. The nodes include:

- 0 feedchat
- 1 15 Fantastic Ways to Use Flipboard
- 2 Vicki A. Davis Teacher Blog
- 3 Contentful
- 4 Klout
- 5 educators group
- 6 Link
- 7 Comment
- 8 Stephen's Web ~ OLDaily
- 9 4db97d9b56b984ceb000001
- 10 4db97da7b56b984d2e000004
- 11 Debate Wrap-Up
- 12 Scientific Realism
- 13 Not With A Bang: The First Wave of Science 2.0 Slowly Whimpers to an End
- 14 Open Data
- 15 Farewell, Kindle. Buh-bye, iPad.
- 17 Connectivism and the Relationship
- 18 Stephen Downes <stephen@downes.ca>

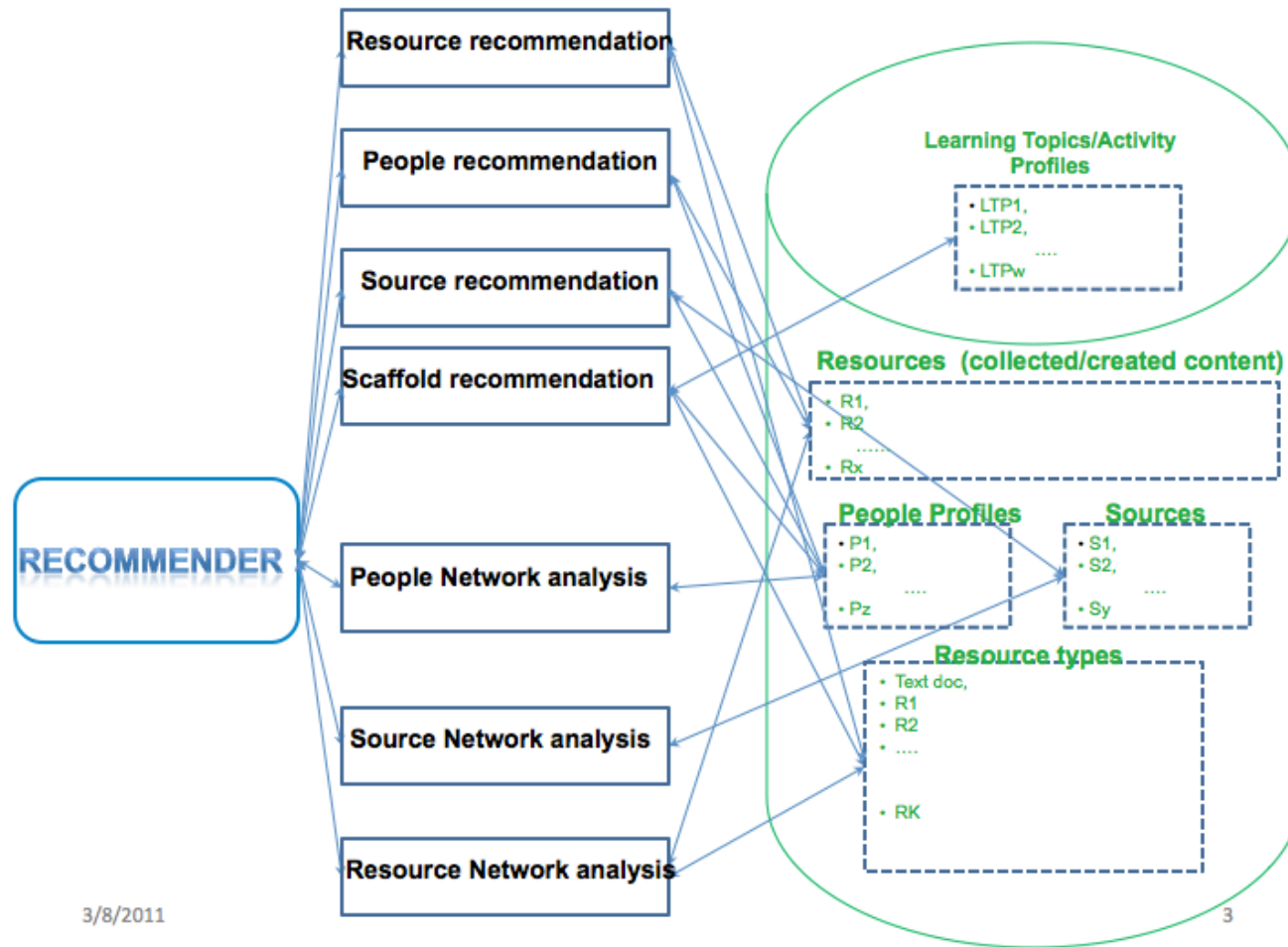
On the left side of the interface, there is a "Search Persons" section with a text input field. Below it, a "Recommendation Filters" section shows "Algorithms" with "5 selected" and a list of items including "Connectivism & the ... (post)", "Stephen's Web ~ OLDaily (feed)", "content-main (view)", "Twitter (link)", "4dc72993b56b98590a000021 (oauth)", "Not With A Bang: The First ... (post)", "Vicki A. Davis (link)", "styles.css (page)", "header (view)", and "footer (view)".

On the right side, there is another "Search Persons" section with a text input field. Below it, a "Recommendation Filters" section shows "Algorithms" with "5 selected" and a list of items including "Stephen Downes (person)".

The browser's status bar at the bottom shows the same URL as the address bar.

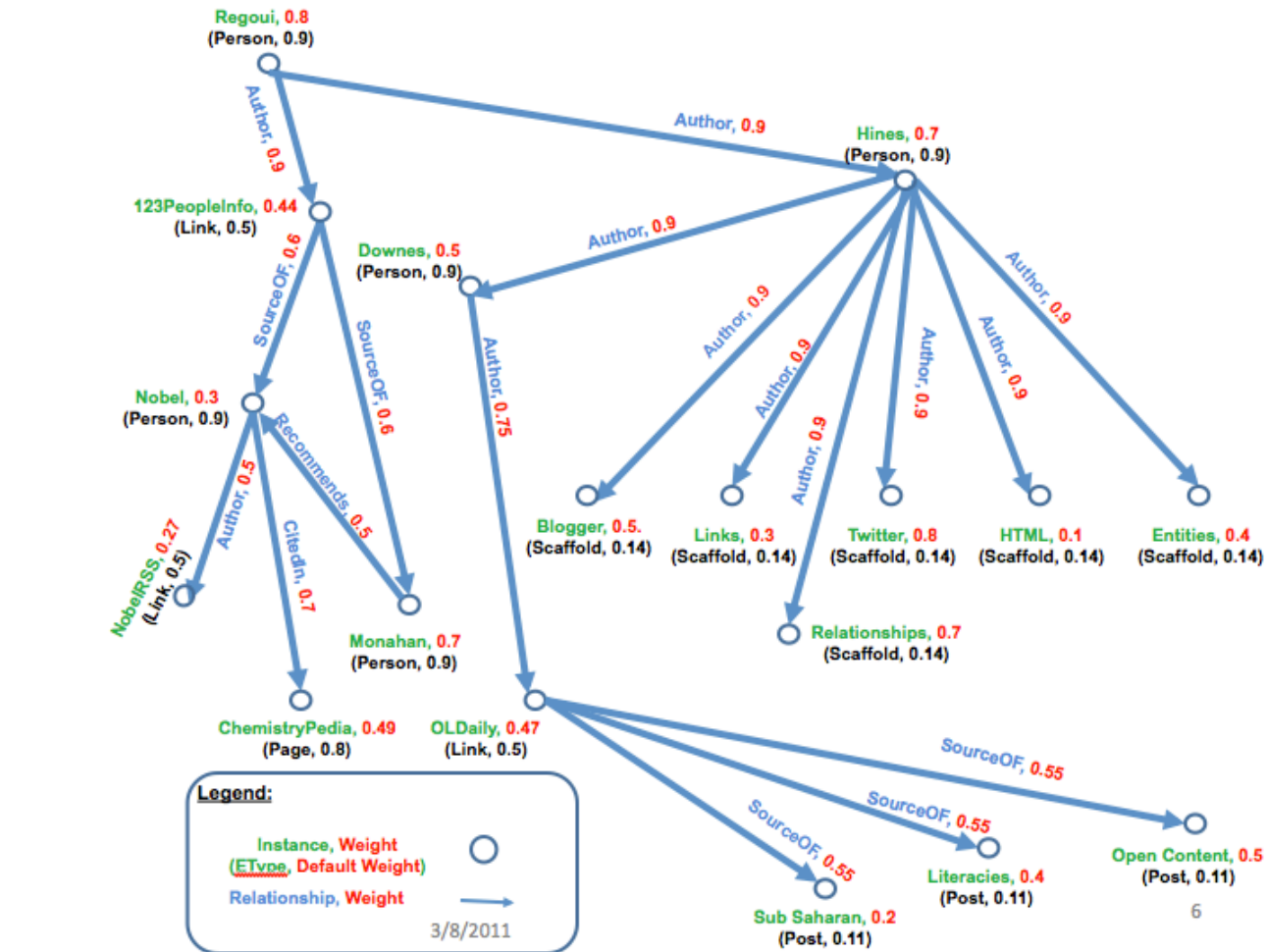


Recommender: Data Usage



3/8/2011

Recommender: Test Data



More Information

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