Stephen Downes, Rita Kop, Chouki Regoui, Hélène Fournier
10 May, 2011
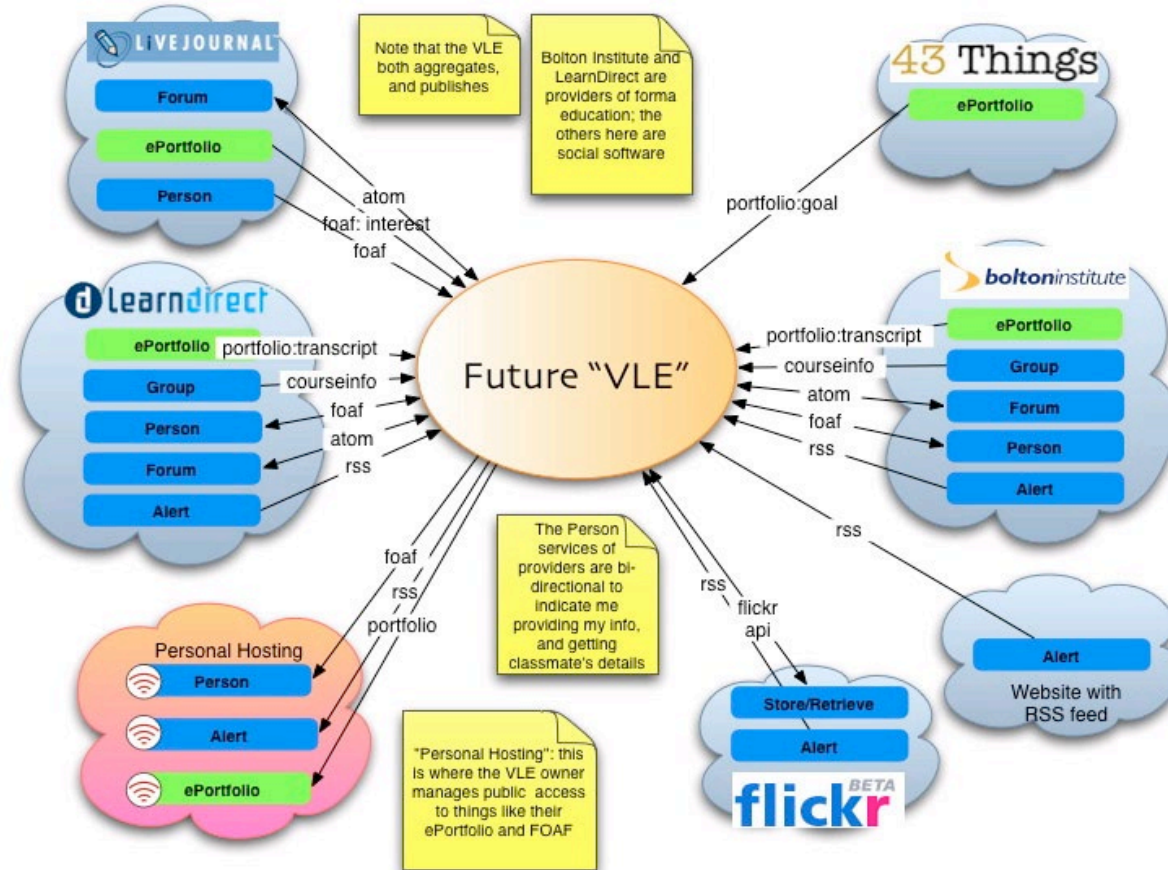
Canada

The Idea of the PLE
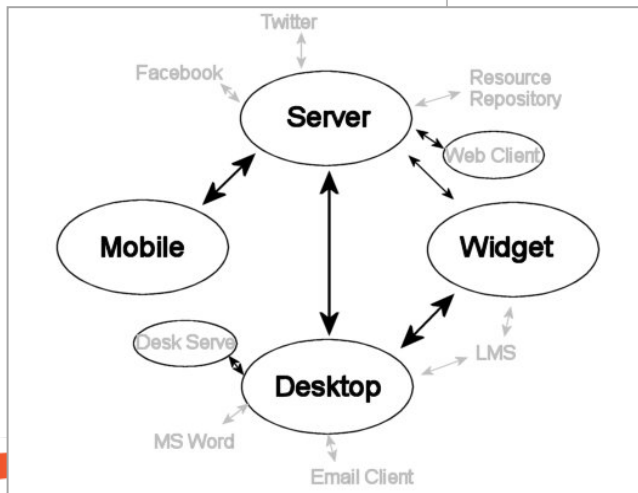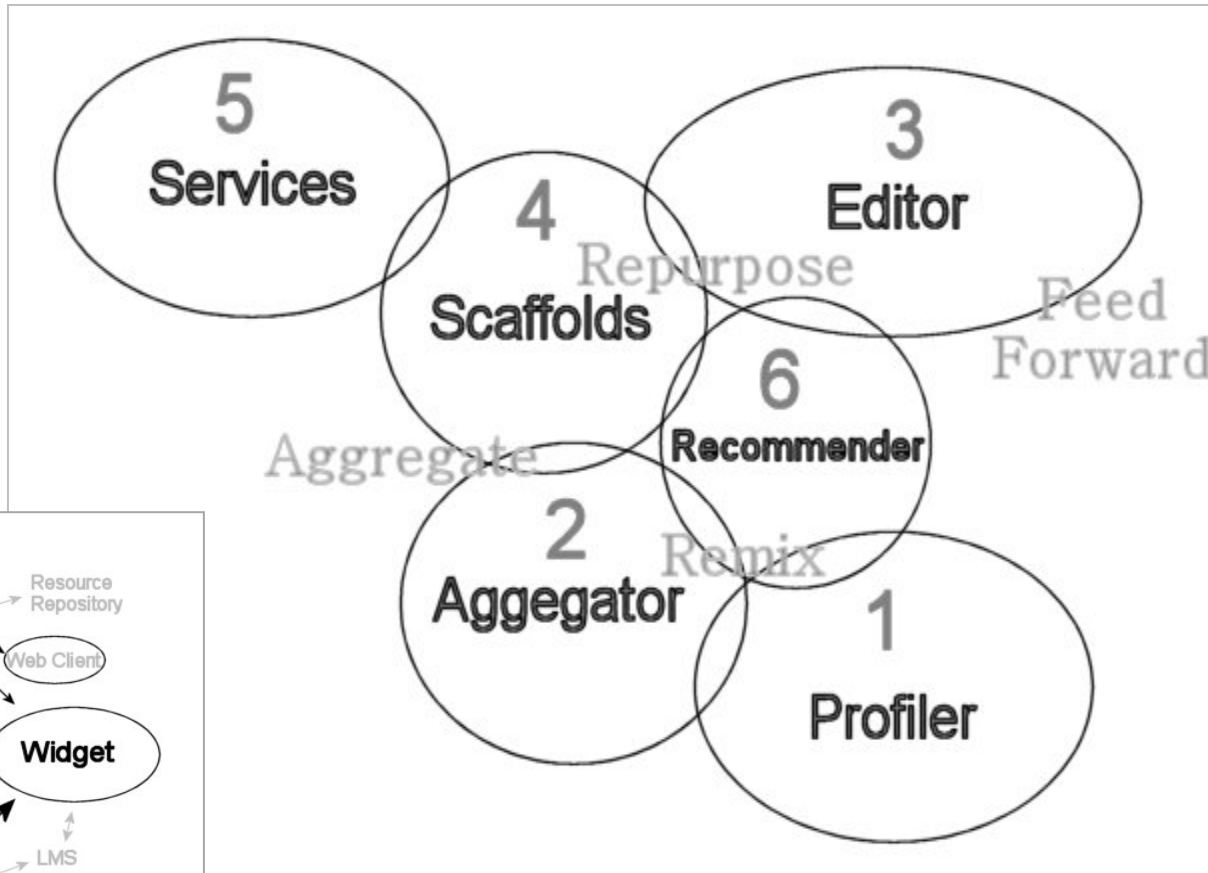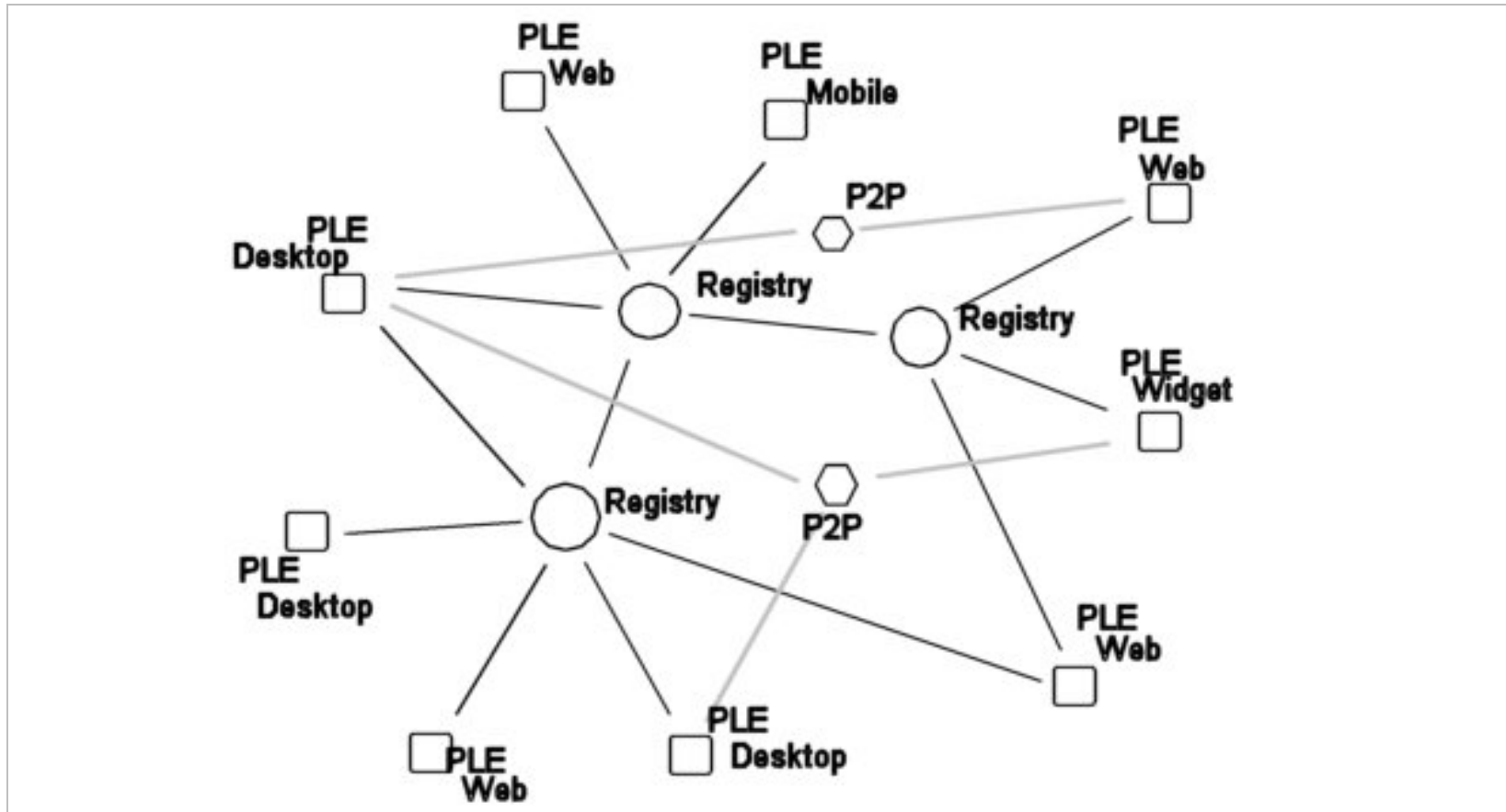
PLE-based
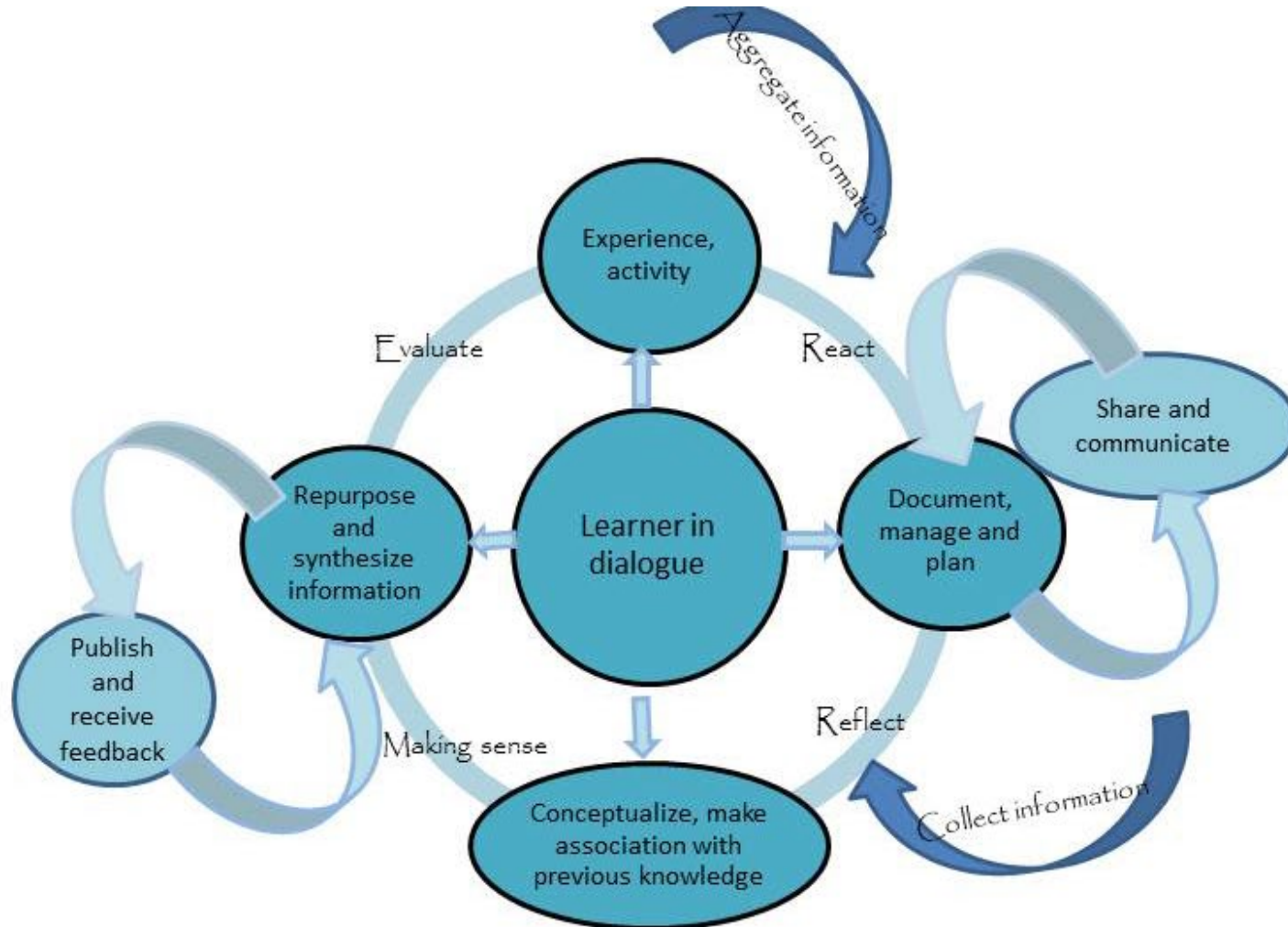
PLE Components

Learning Network

Design-Based Approach

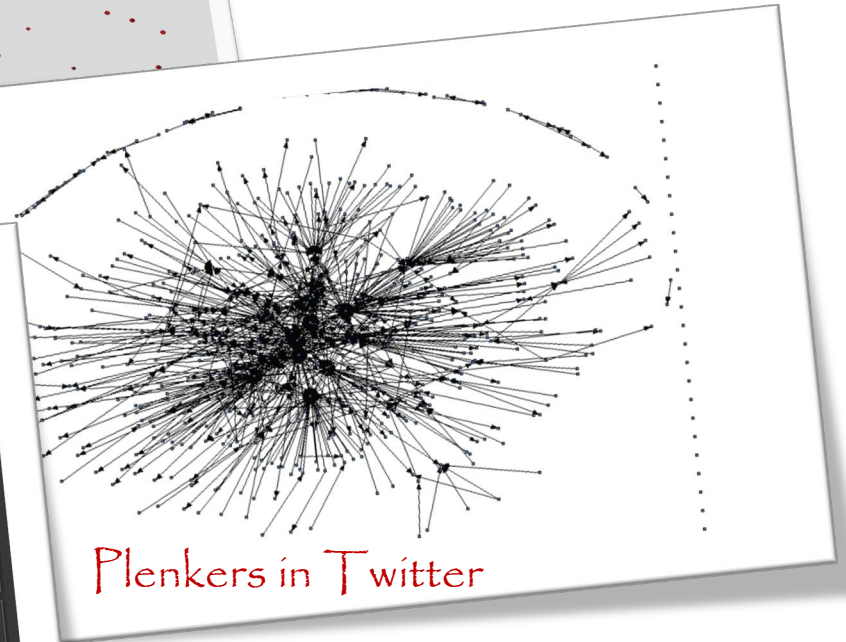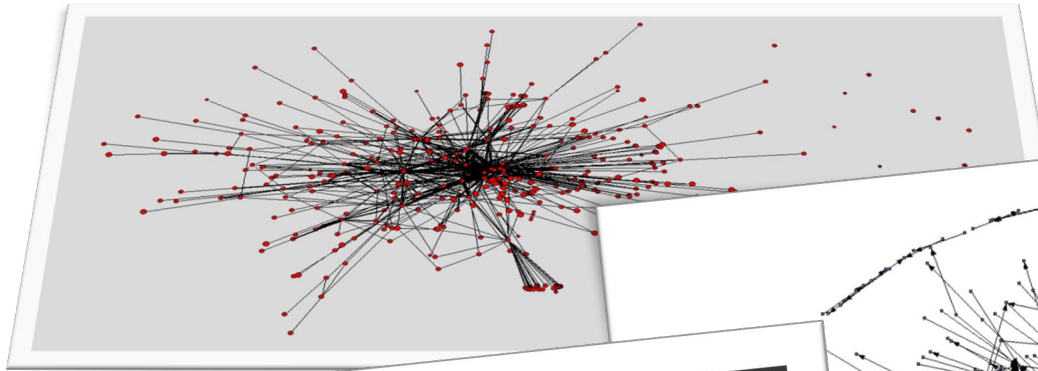| Design Based Research Approach	Design type	Research methods	Development phase	Evaluation phase	Dissemination phase
Background research	• Product design • Usage centred design • Interface design • Learner experience design • Instructional design	• Literature review • Super-users surveys • Close contact with PLE researchers worldwide	• Feed results of literature and surveys into the design		• Journal articles, book chapters, conference papers
Innovation development	• Product design • Usage centred design • Learner experience design	• Iterative process of design and development • Tracking of Intellectual Property	• Creation of PLE architecture • Design and development of PLE components • Development of data model/flow	• Evaluation of prototype after each iteration • Evaluation of IP of prototype	• Commercialization IP and patent development • Diffusion and adoption
Usability testing	• Product design • Usage centred design • Interface design	• Feedback on mock-ups of the PLE • Testing of the PLE prototype at each stages of development/iteration	• Feed the results of tests into design • Start process again at next iteration	• Test final prototype on quality, interface and usability	• Journal articles, book chapters, conference papers
Educational research	• Learner experience design • Instructional/scaffold design	• Piloting testing and comparisons of learning in 3 case studies (with different users in different scenarios)	• Case studies in MOOCs • Workplace-based • Multi-media based • without and with Plearn	• Evaluation of learner experience • Evaluation of instruction/ facilitation/ scaffolding • Theory development	• Journal articles, book chapters, conference papers

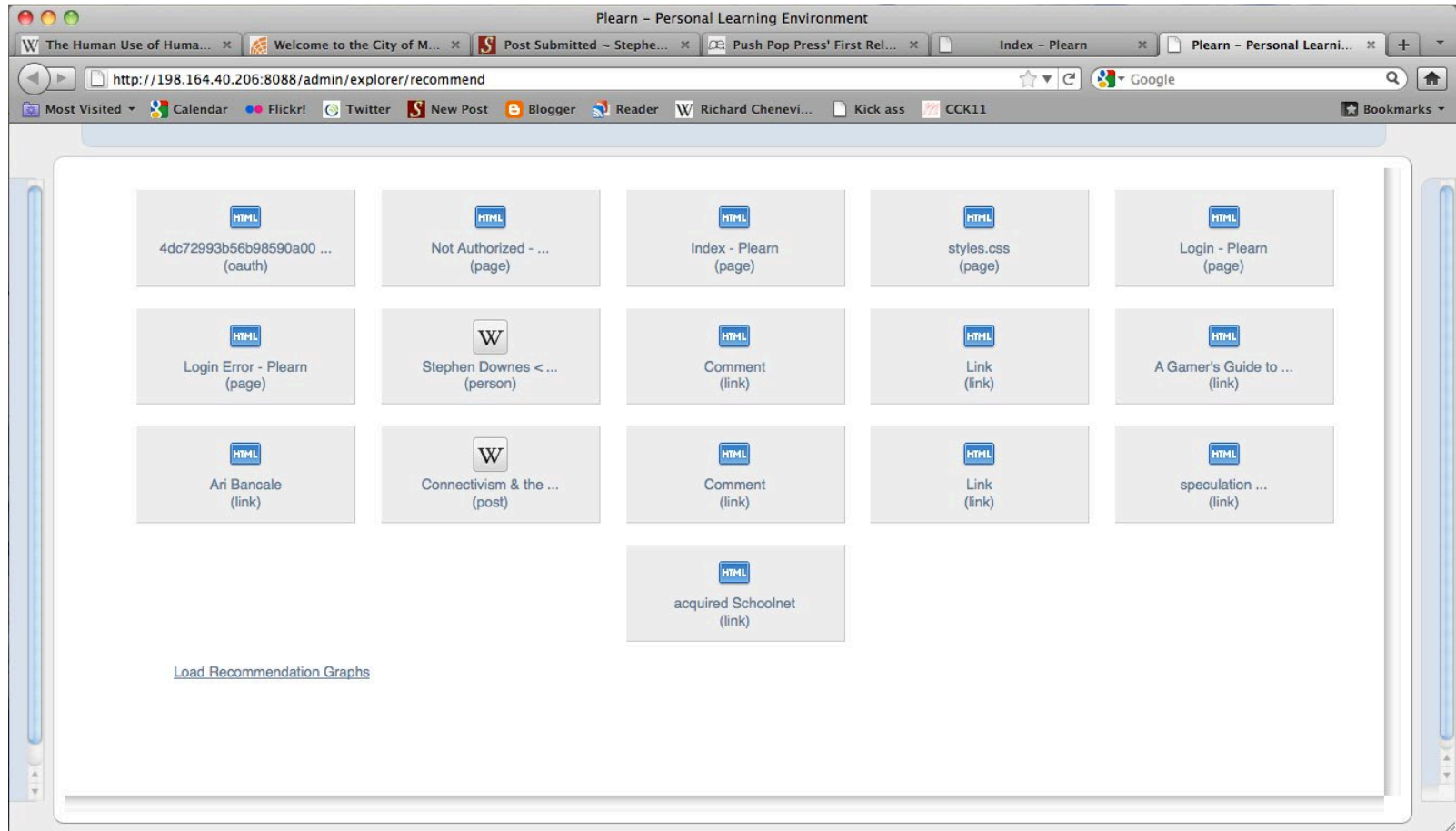# The Connectivism Courses

The Connectivism Courses

http://www.mooc.ca
http://cck11.mooc.ca
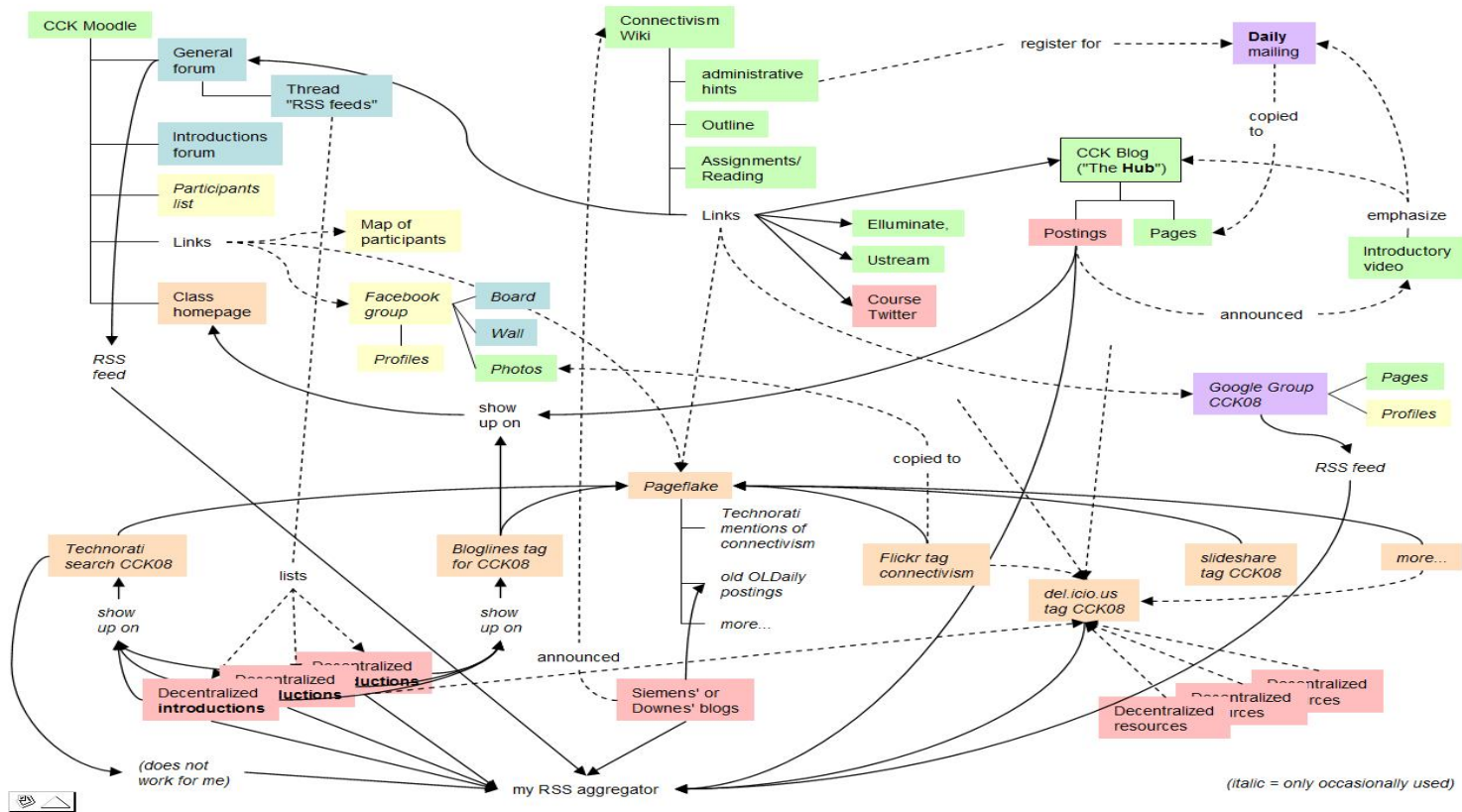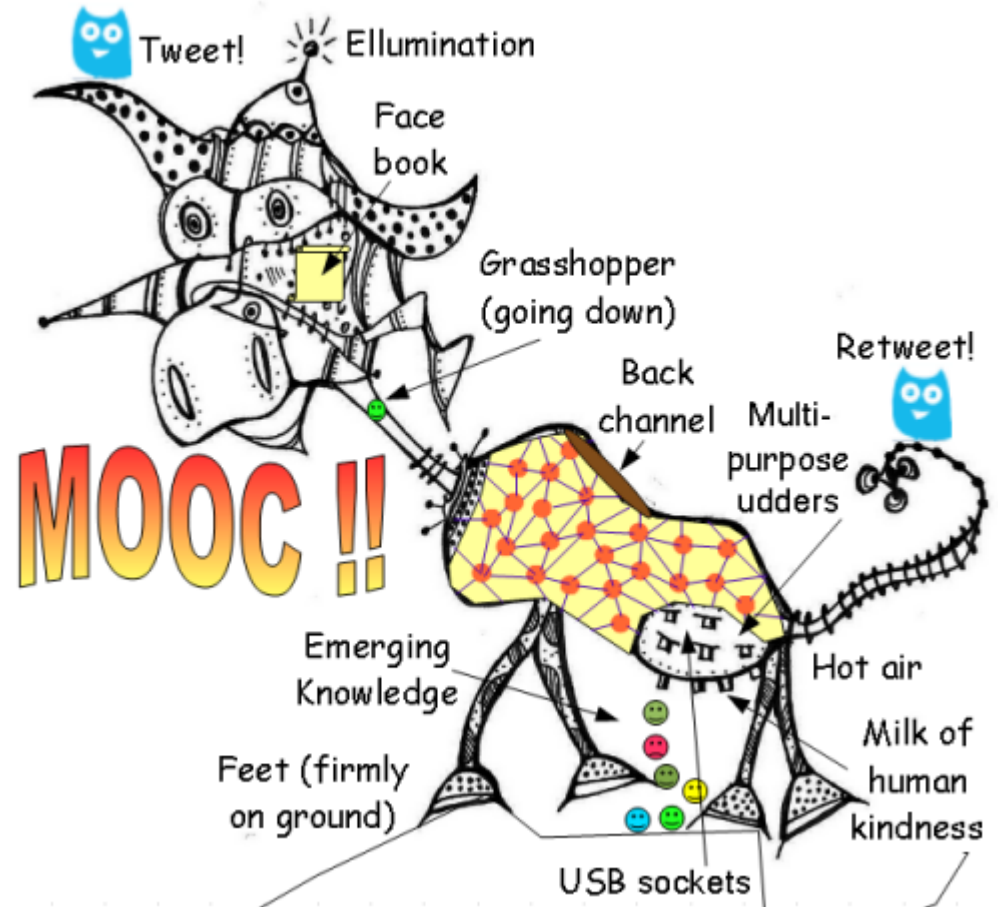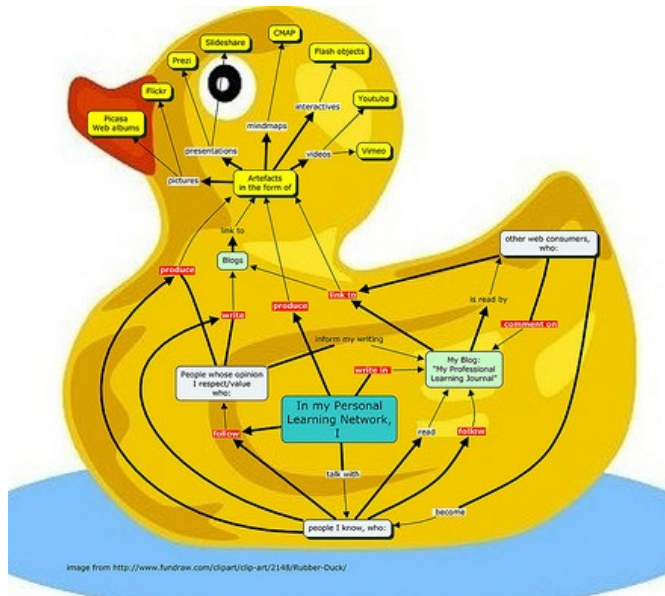
Learner Interactions

Plenkers in Twitter

Tweets for a week: Tweets, retweets, replies

Explorer Interface
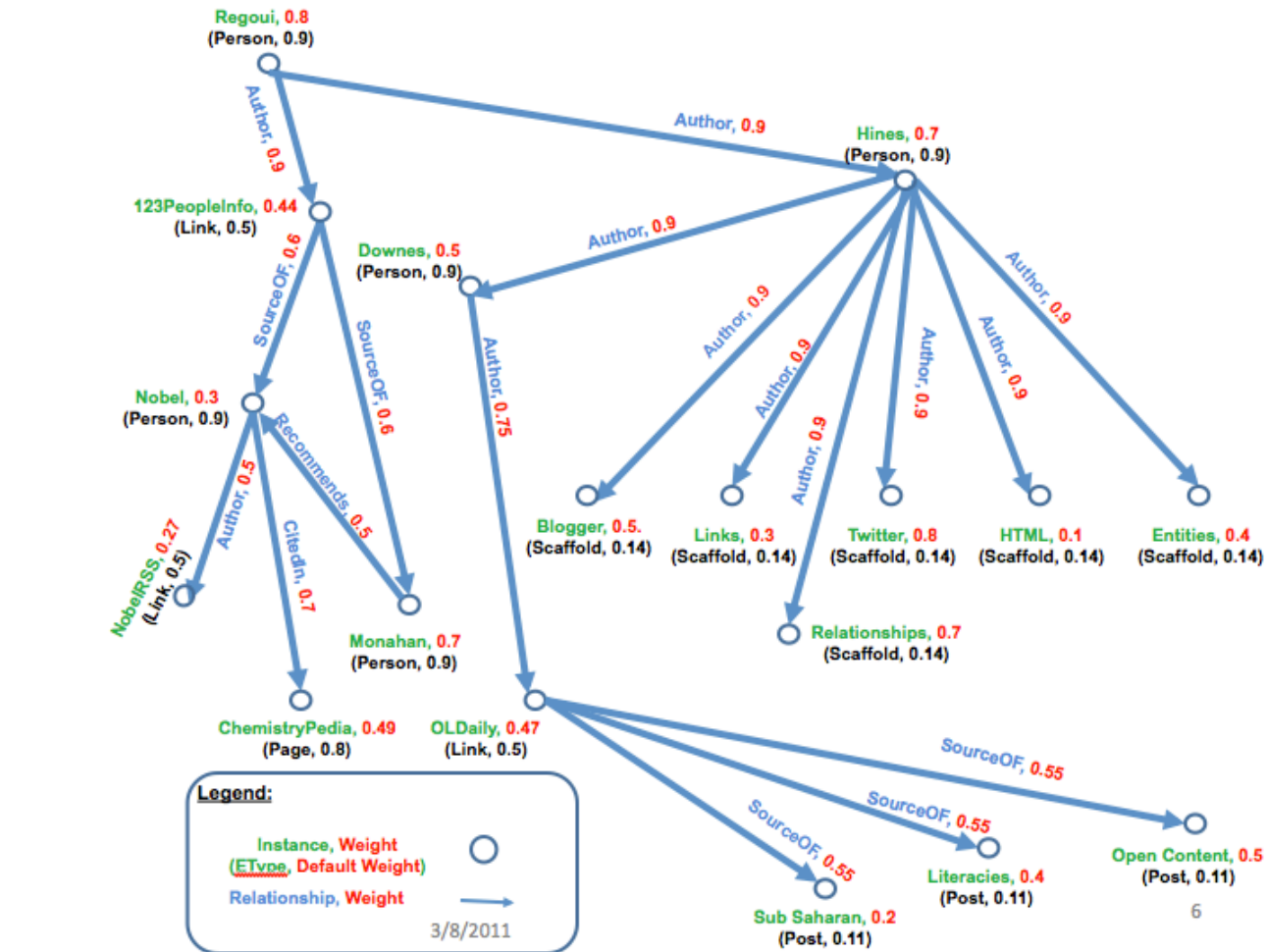
Panel Support

Scaffolds

Recommender: Data Usage

Recommender: Test Data

More Information

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