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*Institute for
Information
Technology*

E-Learning 2.0 at the E-Learning Forum

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E-Learning Forum
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National Research
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The New Medium (1)

The web is changing...

- **Web 2.0 – not just a slogan**
- **A shift from the idea of the web as *medium* to the idea of the web as *platform***
- **This *just is* a shift from the idea of the web as communication (information theory) to the idea of the web as *network* (or environment... pick your metaphor)**

The New Medium (2)

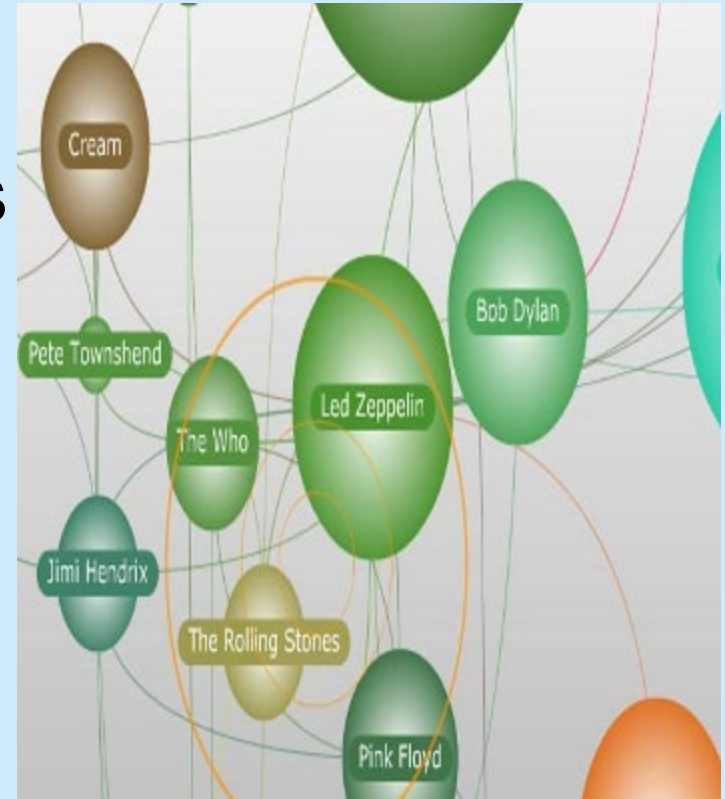
- **Web 2.0 – the idea of the web as platform rather than medium – checklist**
 - Structured microcontent
 - Distributed data (data outside)
 - Feeds and integration - APIs – the Google Maps API, the Flickr API, the Skype API
 - Single identity

The New Medium (3)

- **Some Aspects (Masie)**
 - **Velocity** – a shift from the idea of static to dynamic content (and learning)
 - **Ubiquity (scalability)** – an information network that reaches to every person, and more importantly, *from* every person
 - **Personalization** – *My* EWeb 2.0
 - **Mobility** – my online presence follows me, and *interacts* with location-based services (makes a mash of the idea of *integration*)

What does this look like? (1)

- The Interactive Web...
- Social networks, power laws
 - MacManus and Porter
 - Shirkey – Power Laws
 - Downes – Semantic SN
 - Bond



What does this look like? (2)

Distributed Resource Descriptions... information not only on a person's c.v., but in school transcripts, police records, credit bureau...

on personal website

name
company

name
address

on company website

on learning website

name
description
location
author
rights
...

on broker website

copy
print



What We Know (1)

Think about what we *know* about a person (and how we know it)

- **It includes pointers to external metadata about:**
 - Your property (which may cease one day to be associated with you)
 - Your pets (which you may give away)
 - Your car (which you may sell)

What We Know (2)

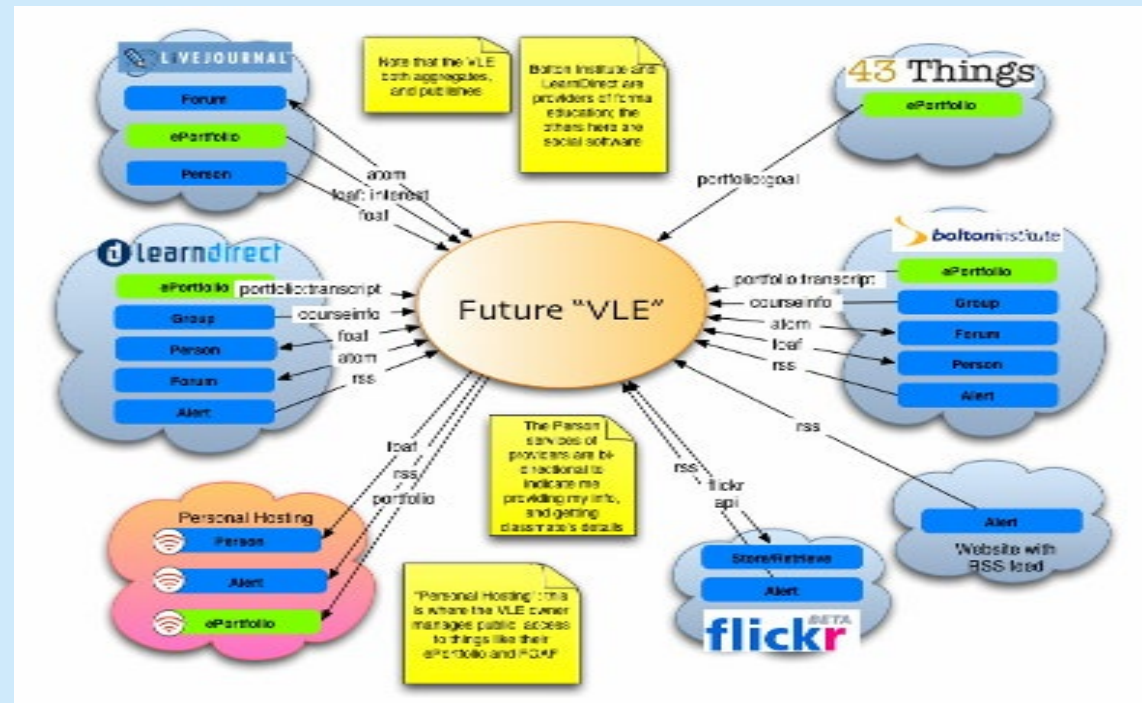
Resource Profiles...

- Major features:
 - Different types of metadata (microformats)
 - The information is *distributed*
 - Any given perspective is *aggregated*

What does this look like? (3)

- A web of content
- The personal learning centre

- Wilson
- ELGG



What does this look like? (4)

- **User generated Content - Personal, opinionated**
- **Network of interactions**
- **Blogs and learning** Downes – [Educational Blogging](#)
Creating Blogs – [Blogger](#), [LiveJournal](#), more...
 - Thinking of blogs as structured data
 - [RSS](#), Atom, OAI
 - Aggregation – [Bloglines](#), [others...](#) Filters – [Feedster](#), [Technorati](#)

New Roles

- **Issues:**
 - Too much information, filtering info
 - Too many sources to scan, new sources
 - Localization, personalization, relevance
- **Newsmaster** – example **behind the scenes**
- **Content Manager, content management**
 - As enabler, not author

Podcasts, Screencasts and Beyond



- User generated multimedia

<http://www.ipodder.org/> - iPodder

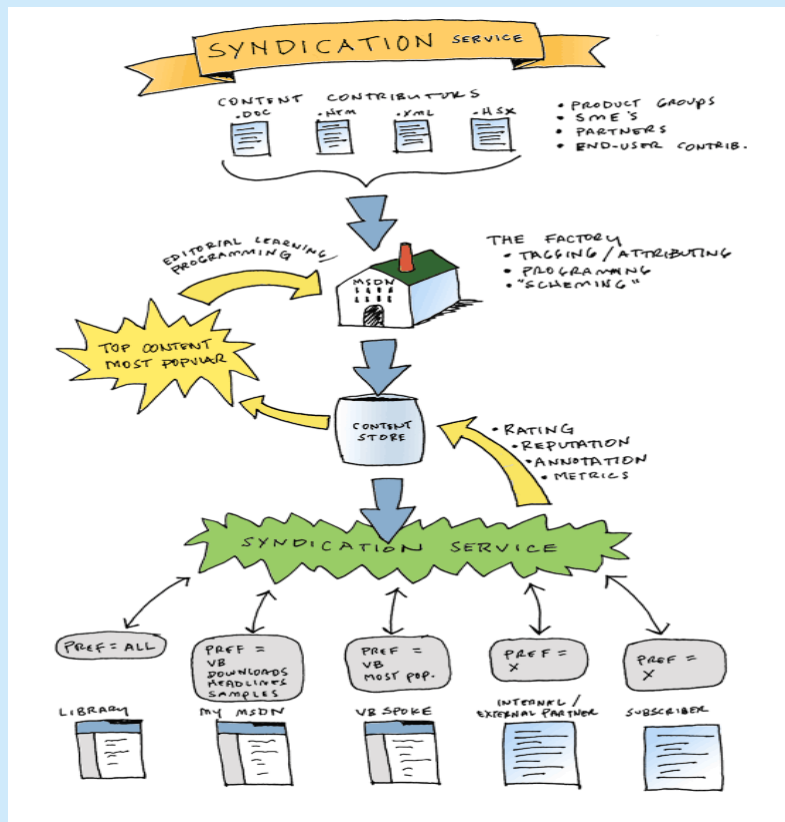
<http://www.flickr.com> – Flickr

<http://en.wikipedia.org> – Wikipedia

http://blog.ericrice.com/blog/_archives/2005/6/4/909411.html - Rice

<http://blog.educause.edu/penrose/archive/2005/06/07/1902.aspx> - Penrose

Content Syndication



- XML generation and aggregation

- ‘Selective Attention’ (like the brain)

- Aggregate, remix, repurpose, feed forward

<http://www.google.ca/search?q=downes+rss> – Downes

<http://www.technorati.com> – Technorati

<http://www.blogdex.net> – Blogdex

<http://www.bloglines.com> – Bloglines

Learning as a network phenomenon...

- **Web of user-generated content (eg. Wikipedia)...**
- **Social networks and communities (entails a genuinely portable (and *owned*) identity**
- **Networks of interactions (aggregate, remix, repurpose, feed forward) – syndication**
- **The *personal* learning centre**

Success Factors

- 1. The Network is Diverse – multiple views, multiple technologies**
- 2. The Network is connected and interactive (*not* ‘integrated’) – small pieces, loosely joined**
- 3. The Network is *open***



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<http://www.downes.ca>

Science
— at work for —
Canada

This presentation:

http://www.downes.ca/files/What_EL2_Means.ppt



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