An Open Learning Architecture

Stephen Downes National Research Council Canada March 17, 2016

What we need...

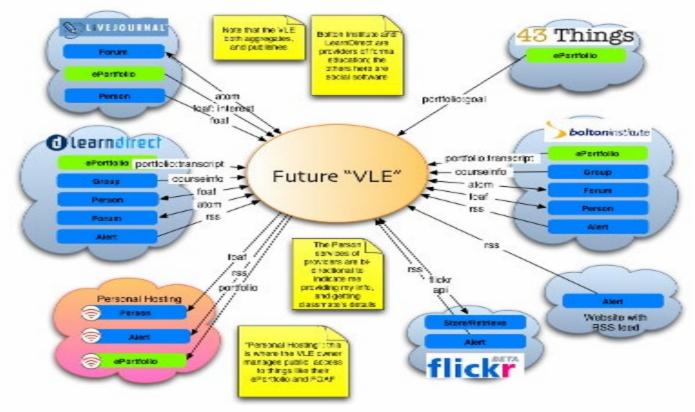
- "We need a system that is optimized toward slotting in new pieces as they become available, not as an after-thought or an addon, but as a fundamental characteristic of the system."
 - Michael Feldstein, August 7, 2005

http://mfeldstein.com/index.php/the_long_tail_of_learning_applications/

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

E-Learning 2.0...

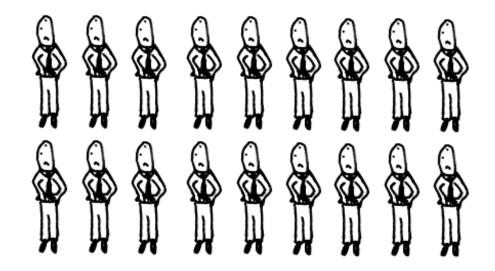


Properties of successful networks...

- Charles Vest three key attributes:
 - Diversity (many objectives)
 - Interwoven (many activities)
 - Open (many minds)
 - Charles M. Vest, SAC, August 8, 2005

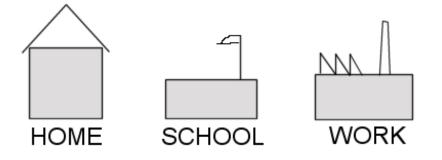
http://jade.mcli.dist.maricopa.edu/cdb/2005/08/08/opencourseware-sac2005

Diversity...



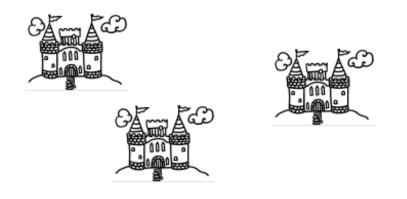
The idea of making everything the same – *anything* the same – is fundamentally misguided

Interwoven...



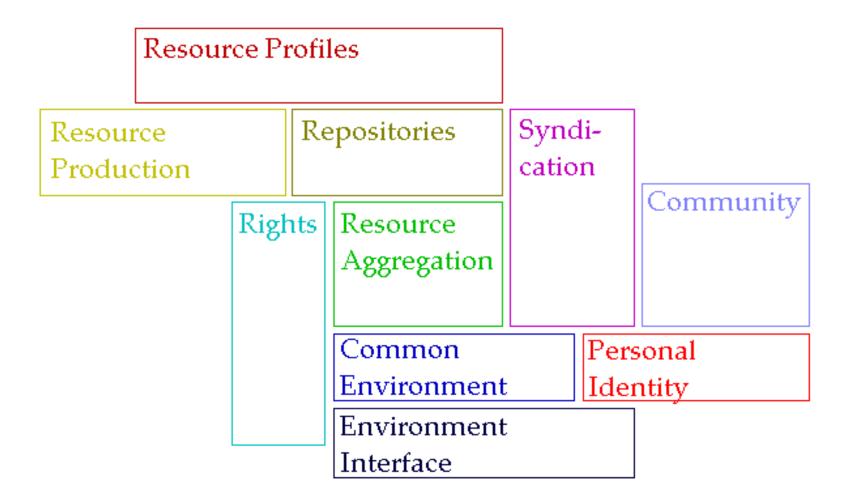
The idea that our different activities are distinct is fundamentally misguided

Open...

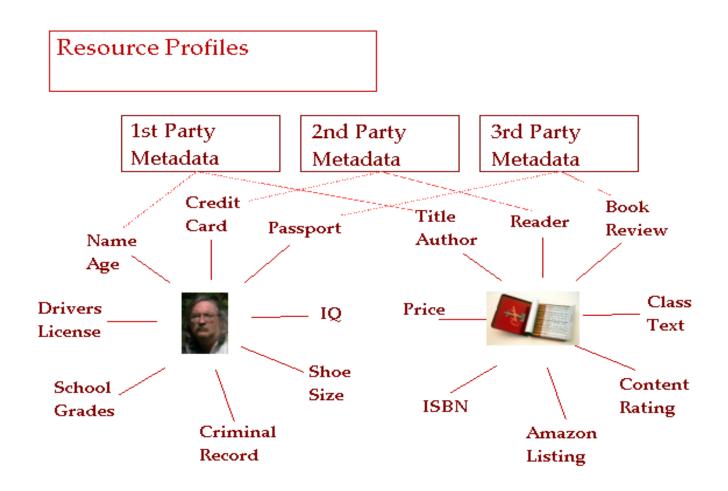


The idea that we can store knowledge in *closed repositories* is fundamentally misguided

The Metaversity

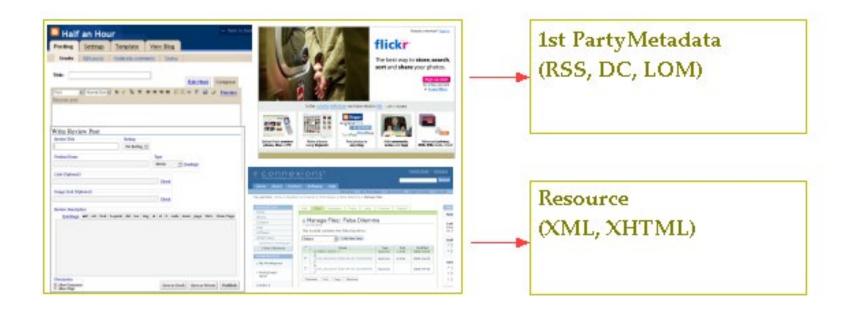


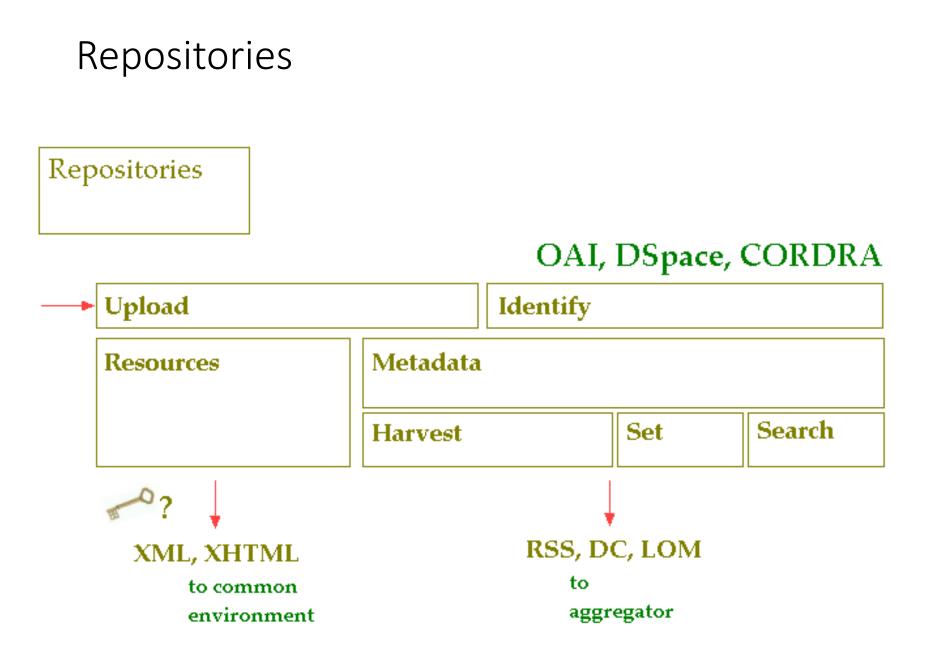
Resource Profiles



Resource Production

Resource Production

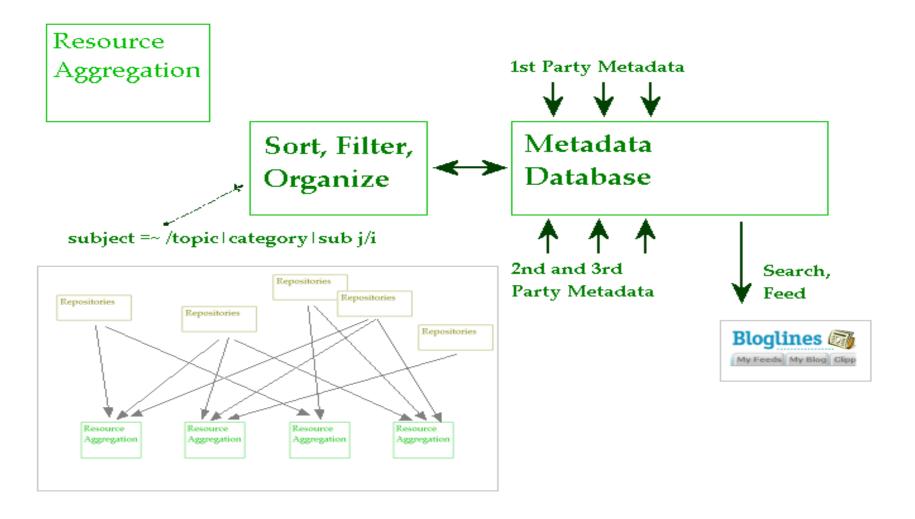




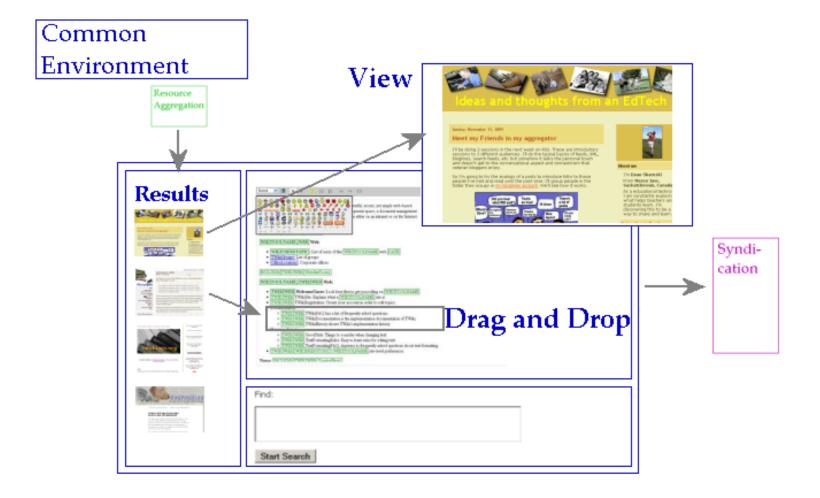
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Broker

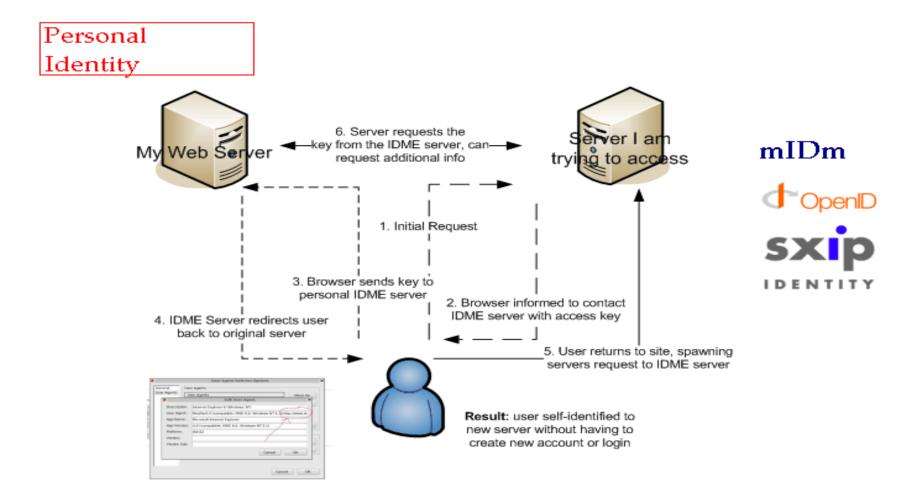
Resource Aggregation



Common Environment



Personal Identity

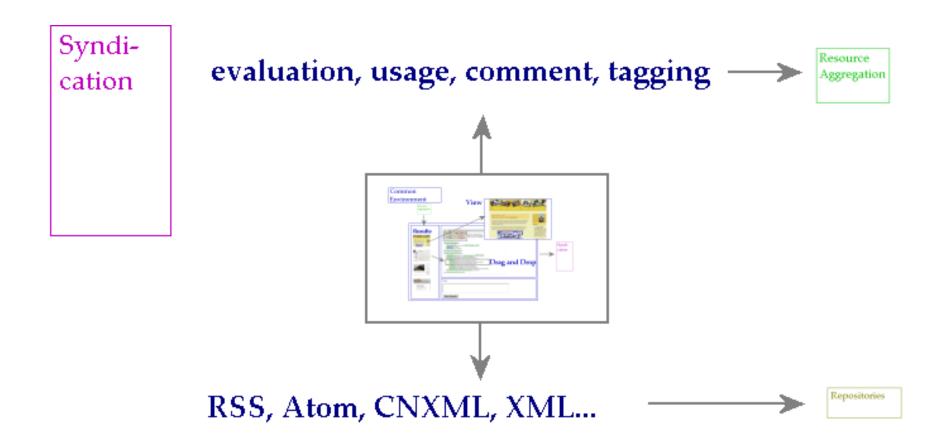


Environment Interface

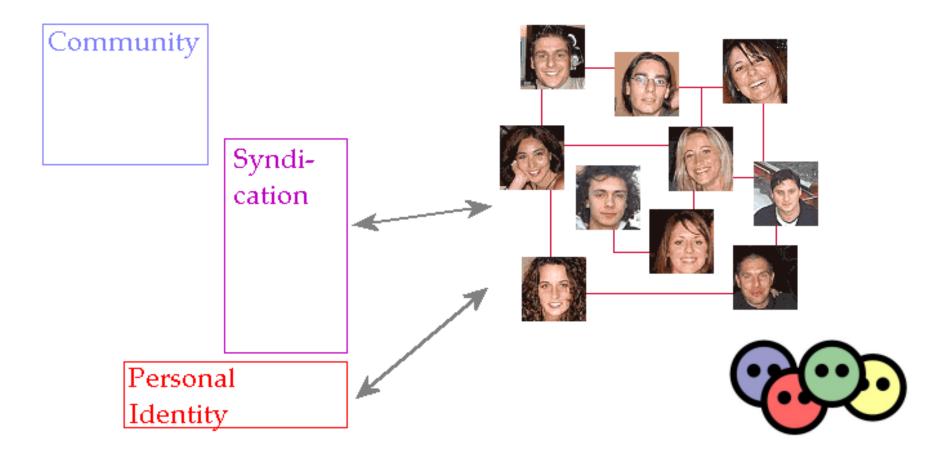


appliances... courses...





Community



Takeaway...

- Charles Vest talked about a 'meta-university'
- *This* (if I may be so audacious) is the information architecture of the meta-university
- The key is not large, integrated systems, but rather, small, flexible bits that can be connected
- This applies to metadata too

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