



NRC-CNRC

*Institute for
Information
Technology*

Learning Networks

Stephen Downes

National Research Council Canada

January 25, 2005



National Research
Council Canada

Conseil national
de recherches Canada

Canada

The Concept

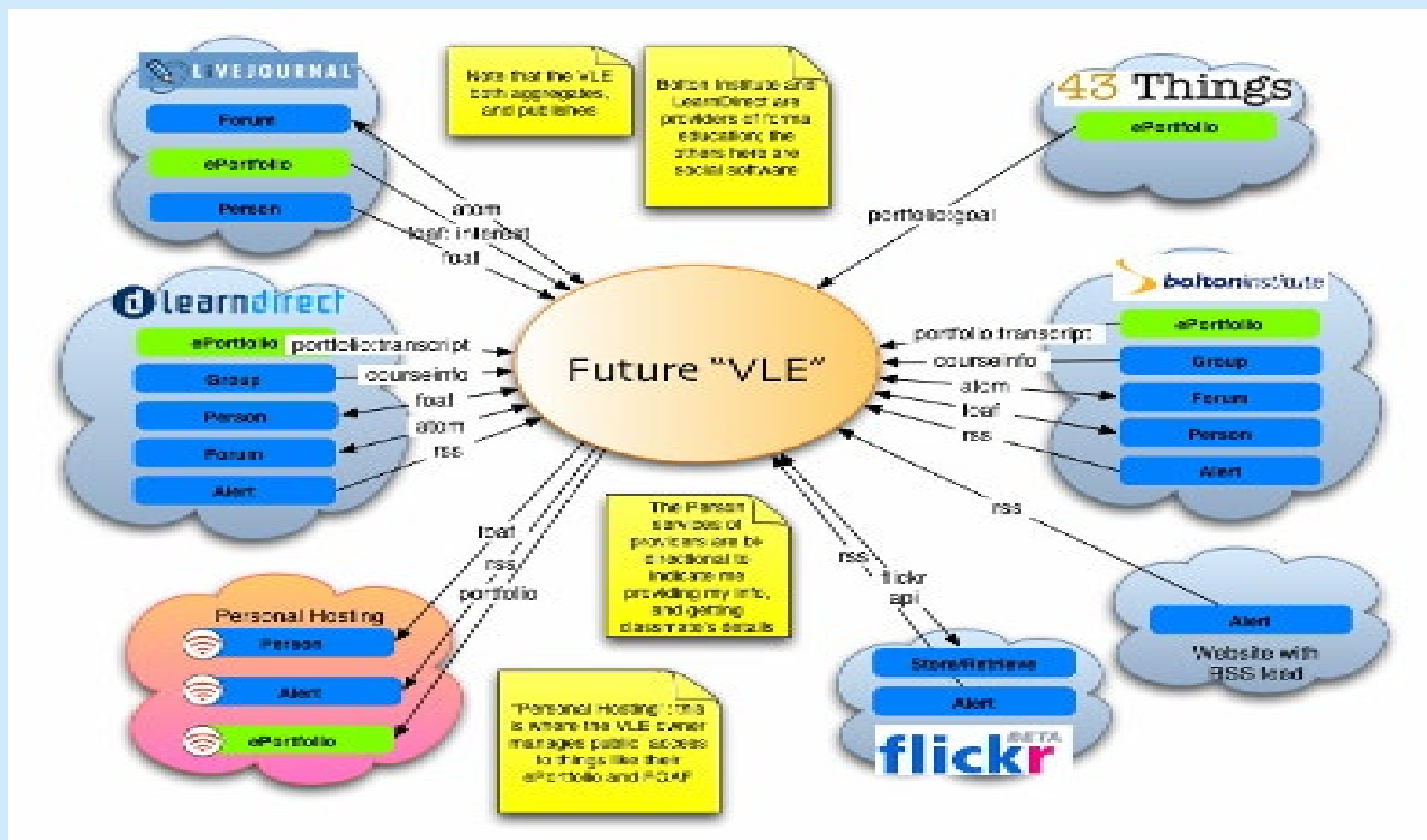
**Learning
as a flow of communication
through a network...**

Learning...

Learning as a network phenomenon...

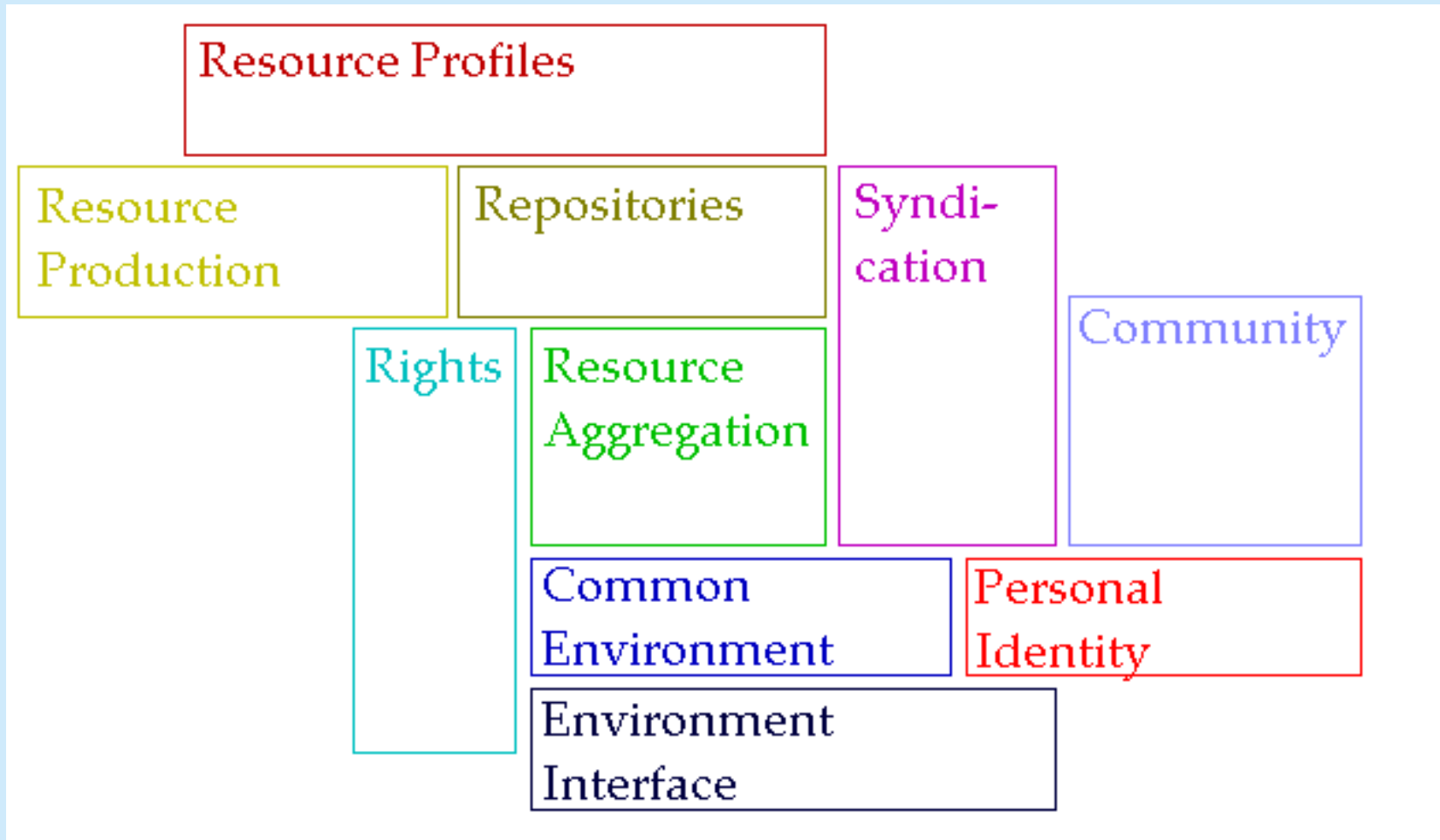
- **Web of user-generated content...**
- **Social networks and communities (entails a genuinely portable (and *owned*) identity)**
- **Networks of interactions (aggregate, remix, repurpose, feed forward) – syndication**
- **The *personal* learning centre**

E-Learning 2.0...



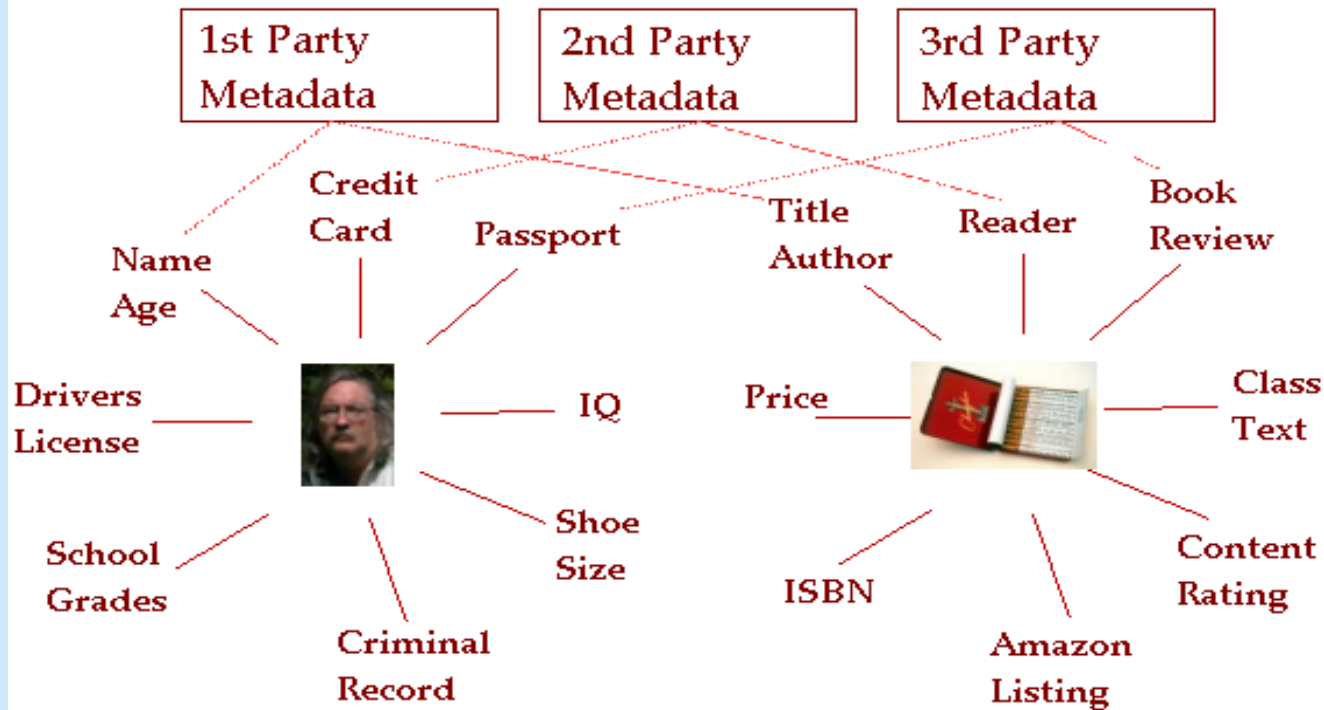
Architecture

Rethinking Learning Resources...



Resource Profiles

Resource Profiles



Resource Production

The image is a collage of three web interfaces. On the left is the 'Half an Hour' website, which features a 'Write Review Post' form with fields for 'Author Name', 'Production', 'Link Options', and 'Image Link Options'. In the center is the Flickr website, showing a photo of a person in a white coat and the text 'The best way to share, search, sort and share your photos'. On the right is the eConnections website, displaying a 'Manage Files: Felix Olenko' interface with a table of files.

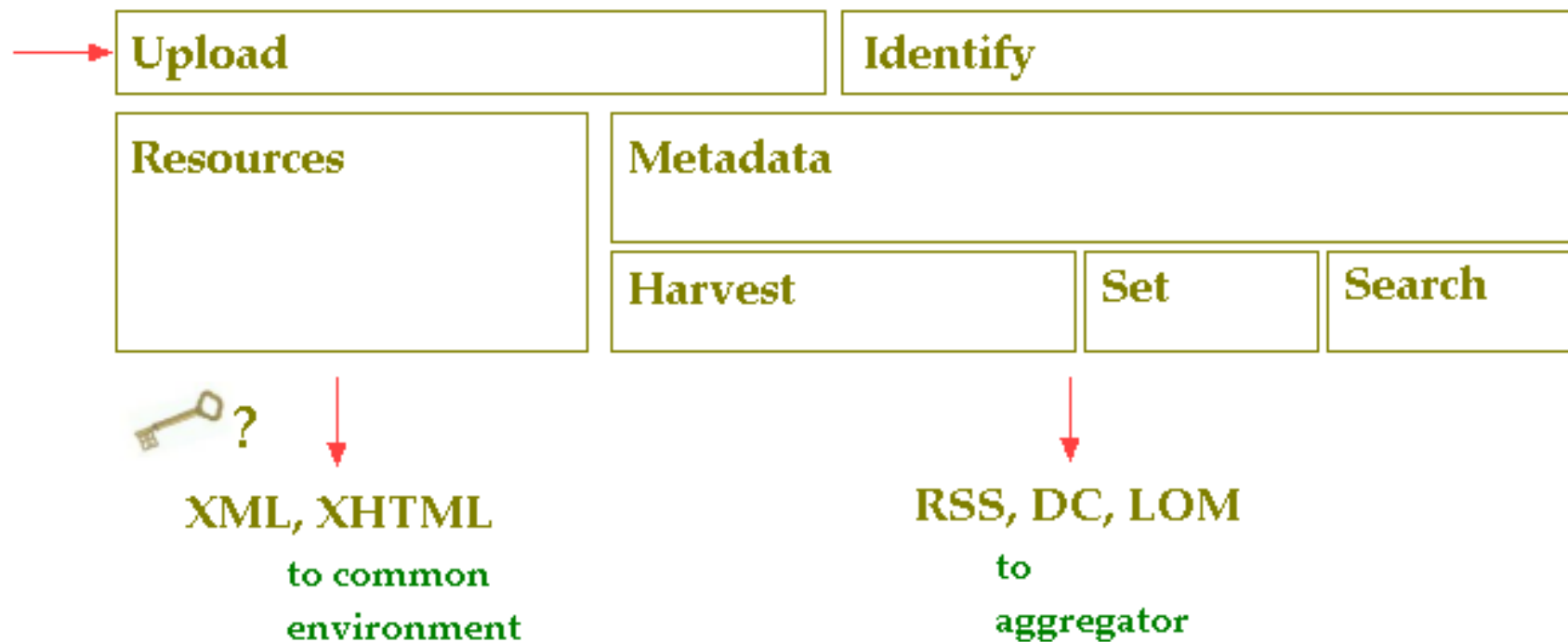
1st Party Metadata
(RSS, DC, LOM)

Resource
(XML, XHTML)

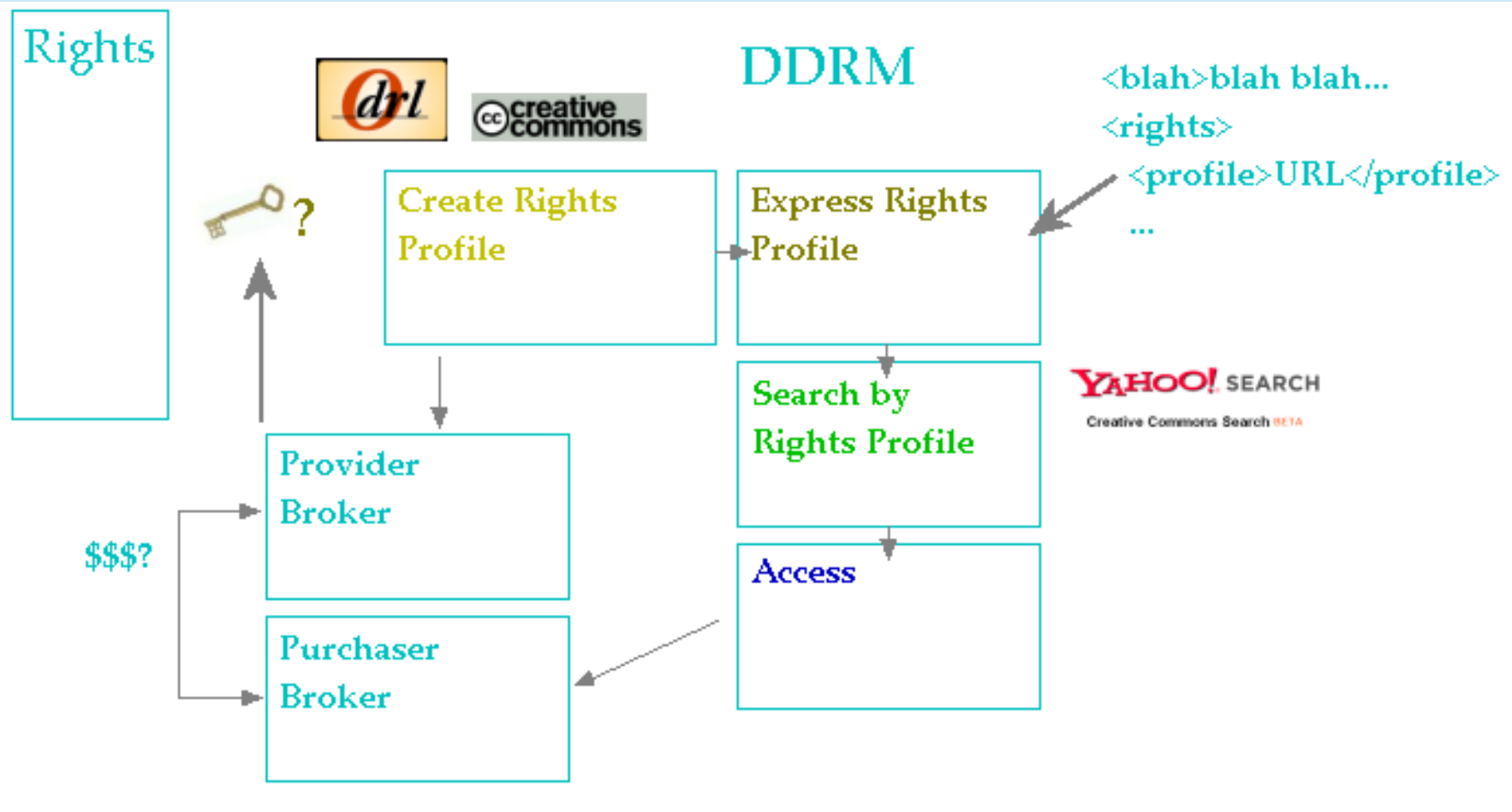
Repositories

Repositories

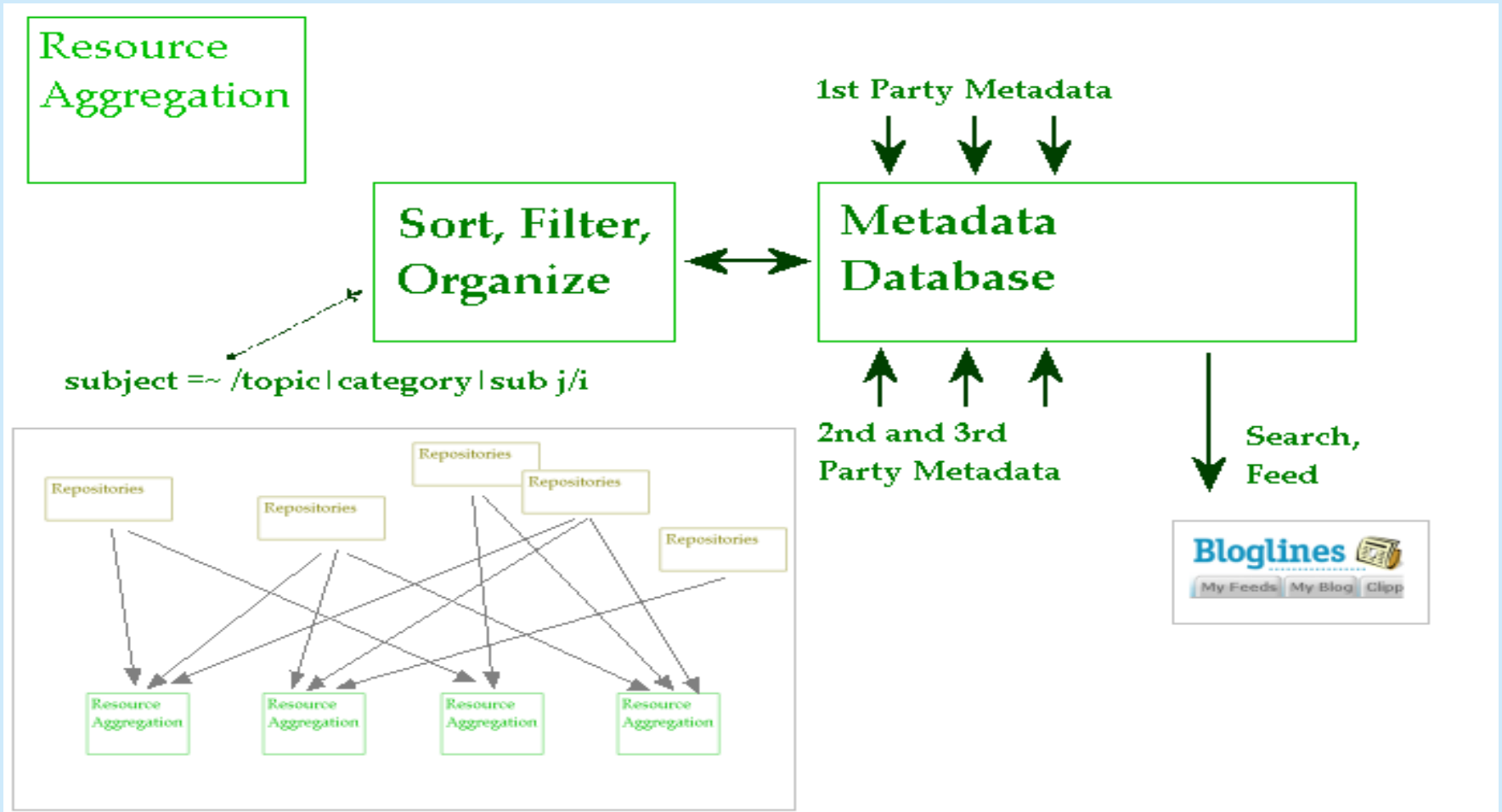
OAI, DSpace, CORDRA



Rights



Resource Aggregation



Common Environment

Common Environment

Resource Aggregation

Results

View

Ideas and thoughts from an EdTech

Tuesday, November 15, 2011

Meet my Friends in my aggregator

I'll be doing 3 sessions in the next week or so. These are introductory sessions to 3 different audiences. It is the typical Digits of Tech, the...
beginner, search trends, etc. but someone is taking the personal touch...
and doesn't get to the innovation aspect and conversation that...
other bloggers enjoy.

So this going to try the analogy of a party to introduce folks to those...
people I've met and read over the past week. It group people in the...
folder they include in [my aggregator](#), let's see how it works.

Meet me

I'm Dean Sharrock
from Maple Area,
Tadoussac, Canada
as a education technic
I am constantly explore
what helps teachers in
students learn. It's
discovering this to be a
year to share and learn.

Drag and Drop

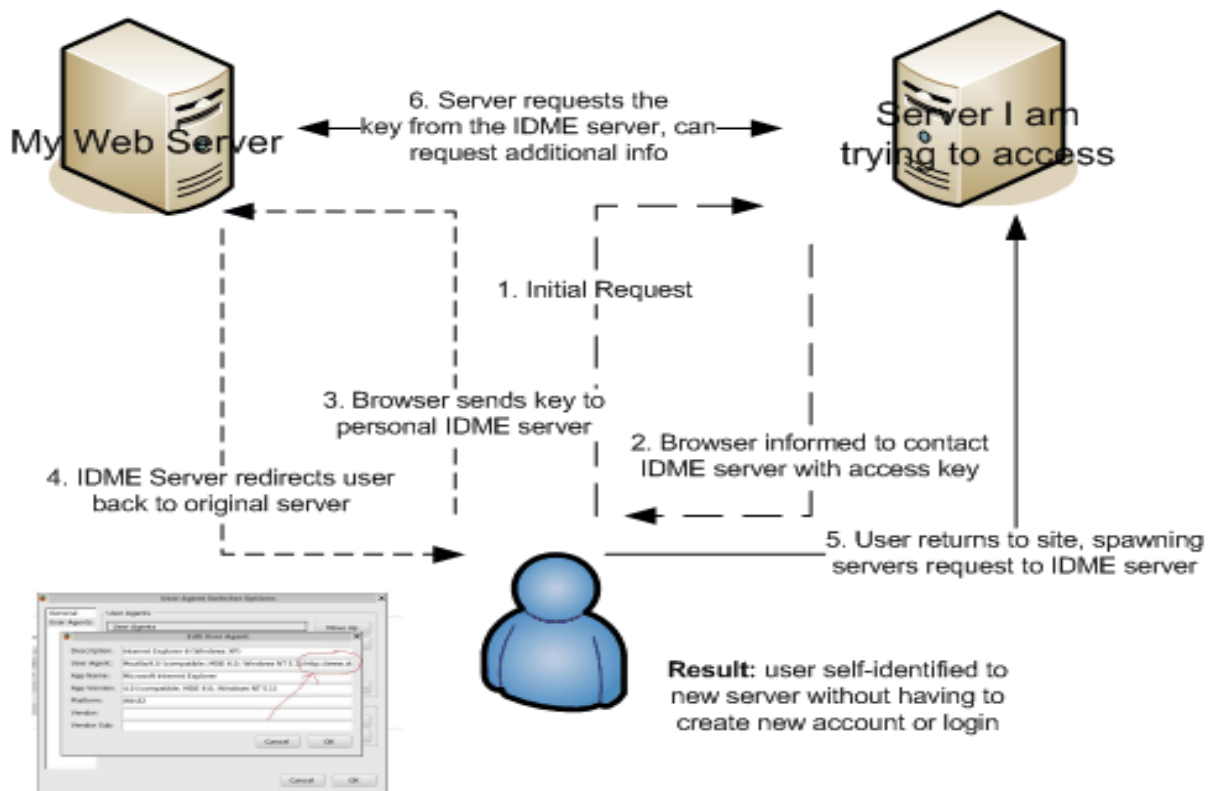
Syndication

Find:

Start Search

Personal Identity

Personal Identity



mIDm

OpenID

sxip
IDENTITY

Environment Interface

Environment
Interface

Common
Environment

XSLT +



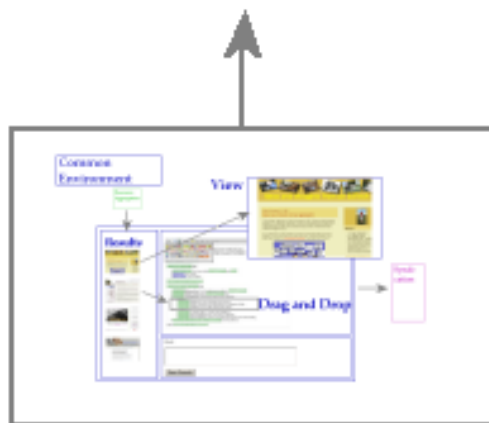
Workflow... games... simulations...
appliances... courses...

Syndication

Syndi-
cation

evaluation, usage, comment, tagging

Resource
Aggregation



RSS, Atom, CNXML, XML...

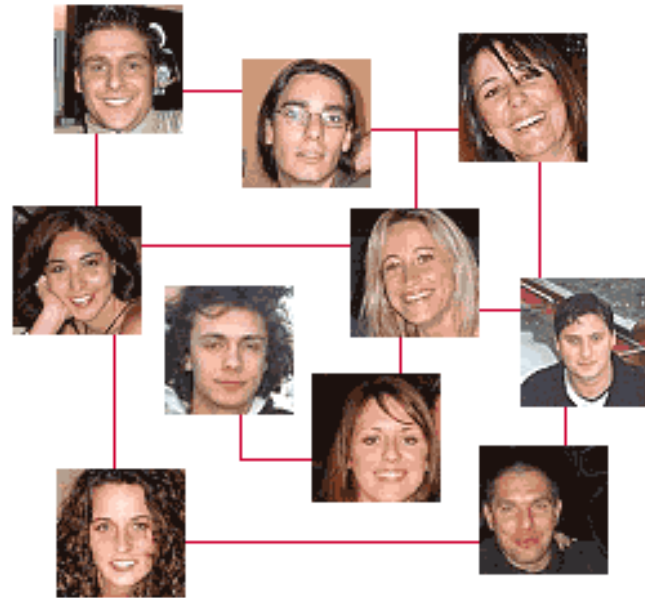
Repositories

Community

Community

Syndi-
cation

Personal
Identity



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Science
— at work for —
Canada



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