Syndicated Learning

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Overview

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- 3. Tools RSS, Javascript and a Shot of Web Services
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Origins – How I Got Here From There

- The Start
 - Online Learning and Online Courses
 - Courses, Lessons, Modules
 - The Need for Reusability
 - The Need for Course Resources

- NewsTrolls 1998
 - Originated in Online Community
 - Based in Discussion List with Sharing of Resources
 - NewsTrolls Etrolls
 - Revisions, Revisions

- The Brandon Pages 1998
 - Civic Information Site
 - Added Resource (Links) Base
 - Generated Pages Dynamically

- Stephen's Web 1998
 - Started as a Personal Resource Base
 - Added Discussion from Online Courses
 - Added Dynamic Pages from the Brandon Pages
 - Deployed RSS and JavaScript Feeds

- MuniMall 1999
 - Intended as Portal for Municipal Sector
 - Built Around a Resource Base
 - Was Required to Work with Web CT Courses
 - Developed MuniVille Simulation
 - Developed MuniMall Newsletter

- Evolution of The Model 2000
 - Knowledge A Common Resource Base
 Drawing Materials From the Net
 - Learning Structured Learning Opportunities into Which Resources are Fed
 - Community Community Environment;
 discussion, sharing (today, the blogosphere)

• OLDaily – 2001

- Email Newsletter for Stephen's Web
- Formally Articulated Design Principles
- Multiple formats HTML, text, Javascript,
 RSS
- Integrated tools Refer, Research, Reflect (and one day, Read and Remember)

The Very Idea of Syndicated Learning

- Originates in News Media
 - Think, for example, of wire services such as Reuters, AP
 - Online Syndication (using RSS and NML)
 - Examples: Moreover, news.google.com,
 Yahoo!, News Is Free, Carmen's Headline
 Viewer

- Syndication Has Two Major Elements
 - Upstream The Collection of Resources You
 Draw Into Your Online Resource
 - 2. Downstream The Collection of Resources You Send Your Resource Into

The Two Parts are Equally Important

[A drawing here would be neat-o]

- Syndication is Like Learning Objects, but:
 - Without the "Learning" and
 - Without the "Objects"

In Other Words, Syndication Employs the Concept of Learning Objects, but Without the Baggage

- Without the "Learning"...
 - The Resources are not Learning Resources in any Specific Sense
 - May be Newspaper Articles, Journal Articles,
 Photos, Data, Whatever....
 - These Resources Support Learning but
 - (Typically) They Do Not Substitute for Learning

- Without the "Object"
 - The Resources do Not Use Learning Object
 Metadata or Wrappers
 - Indeed, their Producers (Newspapers,
 Magazines, Governments, etc) Will Probably
 Never Tag them Properly
 - It is Up To the Syndicated Learning System to
 Adapt to the Protocols that Exist

• Downstream...

- You Are Not (Necessarily) Producing Learning
 Objects
- Expect to Provide Multiple Output Formats (for example, HTML, Text, Email, RSS, Javascript, etc.)

- Learning With Syndicated Learning
 - Learning is Open Ended The Syndicated
 Resource Does Not Worry About a Starting and an Ending Point
 - Learning is Multi-Threaded It covers all topics (and various levels of difficulty) at Once,
 Not an Ordered Sequence
 - Learning is *User Driven* There is No Curriculum, Only Options

- The Essential Concept Dynamism
 - Syndicated Learning is *Dynamic* Your Set of Resources is Always Changing (Because the World Changes)
 - The Idea is to Connect (Dynamic) Real World Data and Information With Static Learning Content
 - A Course About Ecuador, for example, Should use Today's News and This Year's Statistics

• Exercise:

- Think of a Domain (Geography, Social Studies, Math, etc...)
- List the Resources you Could Use in Such a Course From Day to Day...
 - Newspaper articles, government statistics, live data feeds, online articles....?

Tools – RSS, Javascript and a Shot of Web Services

Design Spruik

Principles of Syndicated Learning Design

- Find Your Niche
 - Syndicated Learning Works Best When It's Focused
 - Otherwise You and Your Readers are Swamped
 - Also, Focus Allows You To Develop Expertise
 - not just in content, but in people, resources

Go Alternative

- Remember, Everybody Can Access Mainstream
 Sources
- Troll the Discussion Lists, Blogs, Specialty pages
- Internationalize

Be Yourself

- Don't Try to Be Reuters
- Add Context, Interpretation, Evaluation
- Be an Idoru (Spot Patterns in the Phenomena)
- Use Your Own Knowledge Base (even before Google)
- Let the Selection Reflect Your Biases and Interests

Add Value

- Include Your own Articles, Essays, etc., into the Mix (They Will be Picked Up Downstream (And Will Bring Readers to Your Feed))
- Connect online Commentary to the Resources
 Listed (and Syndicate the Commentary)
- Contribute both Upstream and Downstream

Design For Text

- Keep Graphics to a Minimum Most Output
 Formats are Text Only
- Never use Graphics for Navigation (Think About the Poor Slug Using WAP)

• Integrate

- Support Your Resources with direct Links to Comments, Similar Content, Etc.
- In Your Own Work, Include Links back to the Knowledge Base
- Or Even Better, Syndicate Resources into Your
 Own Online Publications (and Courses)

Update Regularly

- The Value of Your Resource is that it is
 Dynamic (I.e., Contains the Latest Stuff)
- Generating an Email Newsletter Creates
 Discipline
- If You Don't Have Time, Share

Avoid Noise

- Strive for Quality Content, Not day-to-day
 Chatter
- Questions to Ask: Is it a new Point of View or Innovation, Does it Add Information
- Things to Avoid (Unless You Specialize in Them): Awards, Stock Prices, Mergers, Press Releases, Minimal Product Updates, Non-News

Foster Community

- Contribute to Your Own Discussions
- Recognize Contributions
- Make it Easy to Add Comments (Both Publicly and Privately)
- Help People Share Your Resources

Some Applications

- Sample Applications:
 - MuniVille
 - Budget Simulator
 - Nations of the World