

# Networked Academic Conversations and the Liberal Arts

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Ruben R. Puentedura, Ph.D.

# On Academic Conversations

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- General Garfield thinks there is a whole college in Dr. Hopkins. He once said: “Take a log cabin in the West, put a wooden bench in it, with Mark Hopkins on one end and a student on the other, and you have a college.”

New York Evangelist, 17 July 1879



*Source: Library of Congress*

# Merging Online and Offline Conversations: Blended Learning

# Defining Blended Learning

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- Incorporates both F2F and networked interactions as essential components, of comparable magnitude;
  - Some networked interactions may be synchronous or semi-synchronous.
- Discussions, projects, assessments involve both F2F and networked interactions;
  - Some of these elements may explicitly bridge F2F and networked interactions.

# Blended Learning and Academic Conversations

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- **Establishing social presence:** best in f2f  
*(Garrison, Cleveland-Innes, & Fung, 2004; Coppola, Hiltz, & Rotter, 2002; Fabro & Garrison, 1998; Rocco, 1996)*  
**Sustaining social presence:** best online  
*(Abrams, 2005; Vaughan, 2004)*
- **Discursive task definition:** best in f2f  
**Discursive task execution:** best online  
*(Schweizer, Paechter, & Weidenmann, 2003; Heckman & Annabi, 2005; Marra, Moore, & Klimczak, 2004; Weigel, 2002)*
- **Generation of ideas:** best in f2f  
**Evaluation and development of ideas:** best online  
*(Meyer, 2006, 2003; Hawkes & Romiszowski, 2001; Newman, Johnson, Cochrane, & Webb, 1996; Newman, Webb, & Cochrane, 1995)*

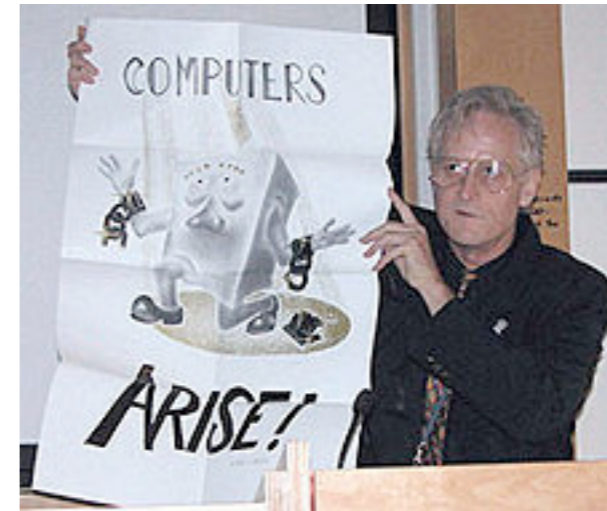
What is Web 2.0?

# Genesis

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- Ted Nelson: **Project Xanadu** (1960)

- Rule 7: Links are visible and can be followed from all endpoints



*Photo by Tim Brailsford*

- Tim Berners-Lee: **WorldWideWeb** (a.k.a. **Nexus**) (1991)

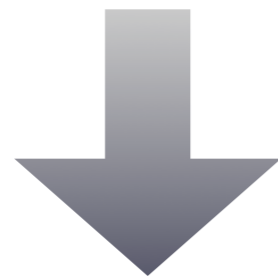
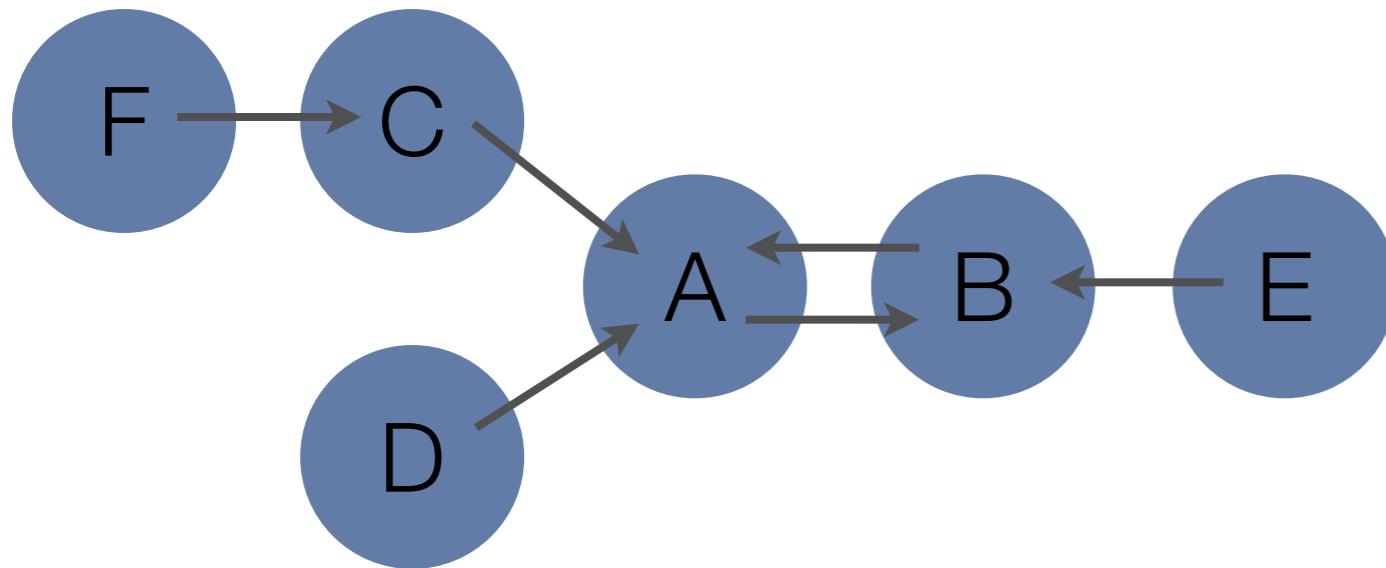
- Program acted as both browser and editor



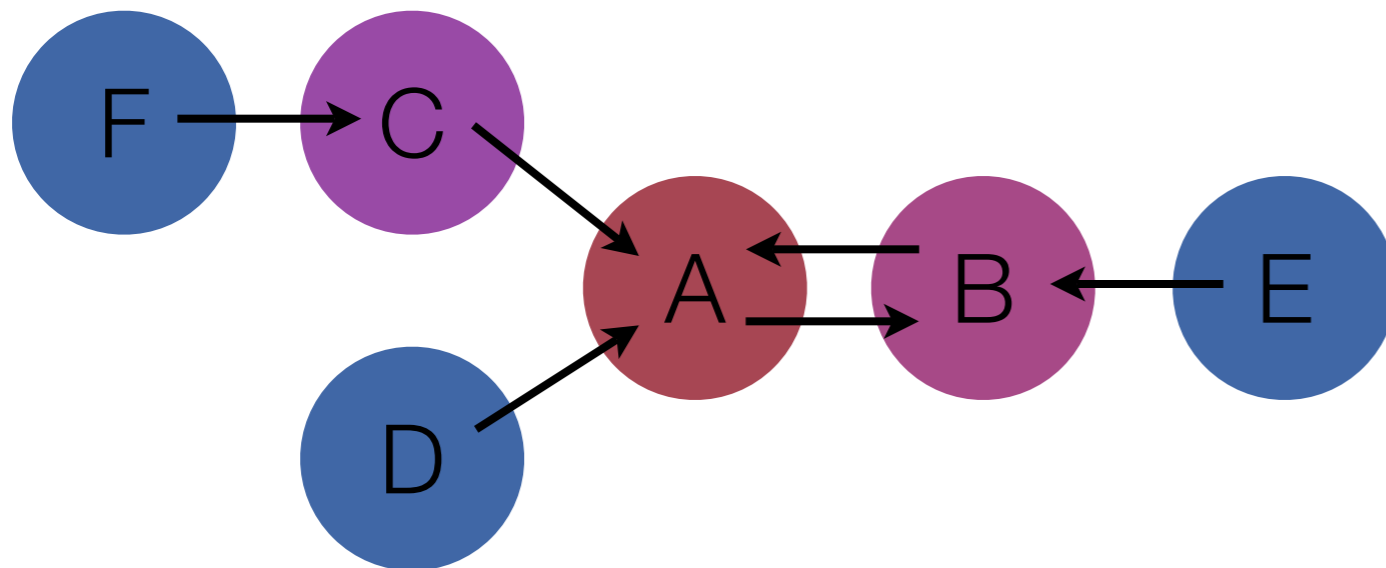
*Photo by Uldis Bojars*

# Filling In the Blanks

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Larry Page & Sergey Brin  
**PageRank** (1996-1998)



*Photo by Ehud Kenan*

# The Definition

- Tim O'Reilly (2004-2005):

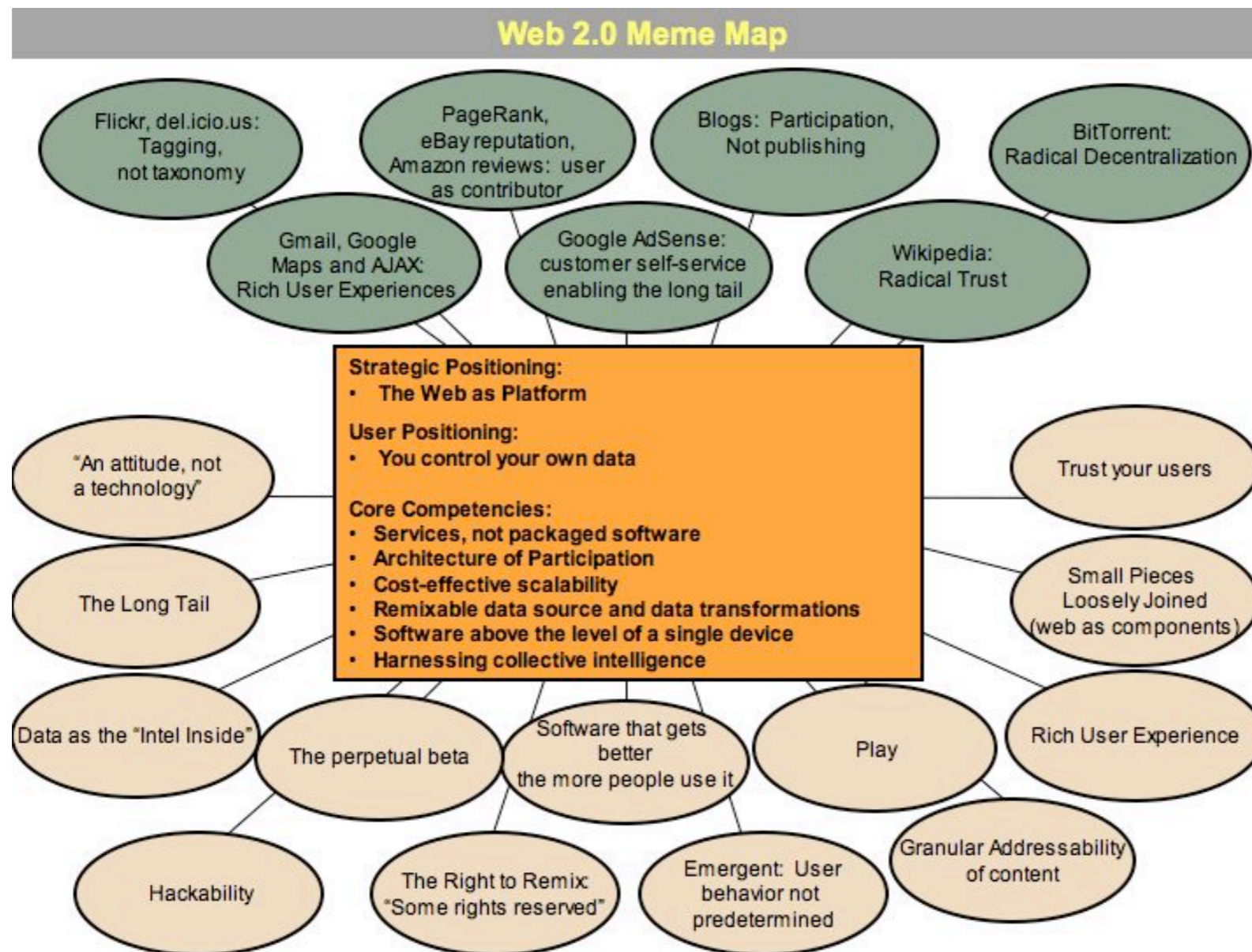


Photo by Jeff Ooi

# Some Key Elements

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- The Web as platform
- Small pieces loosely joined
- Architecture of participation
- Remixable data source and data transformations
- Harnessing collective intelligence

# Web 2.0 Conversations

# Conversation as Continuous Partial Attention

## Twitter

The screenshot shows the Twitter homepage with a light blue background. At the top left is the Twitter logo. To the right is a navigation bar with links: Home, Find & Follow, Public Timeline, Settings, Help, and Sign out. The main content area is titled "What are you doing?" with a character count of 140. Below this is a text input field and an "update" button. Underneath are tabs for "Archive", "Replies", and "Recent". A list of tweets follows, each with a profile picture, name, text, and timestamp. The right sidebar is green and contains a greeting "Hi, your profile" with a profile picture of Ruben R. Puentedura. Below this is a "Currently" section with text about a presentation at Williams College. The "Notifications" section includes a link to "add device" and a message about mobile access. The "Stats" section shows: Following (28), Followers (21), Favorites (1), Direct Messages (2), and Updates (123). The "People" section has a search box labeled "Find folks!" and a grid of profile pictures.

twitter

Home Find & Follow Public Timeline Settings Help Sign out

What are you doing? 140

update

Archive Replies Recent

**BryanAlexander** Working on games from liberal arts campuses, while feeling the temp rise to 30 F. 28 minutes ago from web

**rubenrp** Talking later today about Web 2.0 as conversations at Williams College – Twitter to be prominently featured about 2 hours ago from web

**kcreamer** Prepping for outreach presentation to our continuing studies department chairs. about 2 hours ago from twhirl

**MiekS** even binnen kijken bij ministerie LNV, waar ik al 5,5 jaar naast werk, maar nooit binnen was geweest, nu wel door lunchen met @david:-) about 3 hours ago from web

**berniedodge** Just back from dinner at Quark's Bar in the Star Trek Experience. Targ Flaming Ribs and a couple Liquid Latinums. I'm toasted. about 7 hours ago from twitterrific

**cogdog** If you are at Drupalcon, say hello to my friend Colen Wilson, who built the insides of Maricopa Learning eXchange. Hes goin' Drupal about 8 hours ago from web

**dtd** Deep editing required tonight & tomorrow. I'll have to try to ignore Twitter. about 11 hours ago from web

**cogdog** Ever so curious about what tweets make sounds like @GardnerCampbell 's evangelism. Going outside to chop wood and daydream. about 14 hours ago from web

**brlamb** Man, @GardnerCampbell is just kicking back and riffing off the top of his head, ripping the top of my head off... what intellectual stamina! about 15 hours ago from web

**injenuity** My 366 photo from yesterday <http://www.flickr.com/photo...> about 16 hours ago from web

Hi, [your profile](#)

Ruben R. Puentedura

**Currently**

Talking later today about Web 2.0 as conversations at Williams College – Twitter to be prominently featured

**Notifications** [add device](#)

Take Twitter with you! Set up your phone or IM!

**Stats**

Following	28
Followers	21
Favorites	1
Direct Messages	2
Updates	123

**People** [invite more](#)

Find folks! search

# Conversations Surrounding Production/Consumption

## Flickr

flickr POWERED BY Signed in as rubenrp Help Sign Out

Home You Organize Contacts Groups Explore Search everyone's photos Search

Search **Photos** Groups People


Everyone's Photos  SEARCH [Advanced Search](#)  
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Full text  Tags only


Can't see your photos? [Find out why...](#)


✓ We found **4,422,140** results for photos matching **japan**. [View as slideshow](#) (⌘)


View: Most relevant • Most recent • Most interesting Show: Details • Thumbnails

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Uploaded on 24 October 2007  
By [Altus](#)  
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[japan](#), [pentax](#), [freehand](#), [sa](#) ...

 **JAPAN - Zao Volcano**  
Uploaded on 5 May 2007  
By [BoazImages](#)  
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[mountain](#), [lake](#), [green](#), [nature](#) ...

 **Junko from Japan shabondama style**  
Uploaded on 29 June 2006  
By [shiroibasketshoes](#)  
See [more photos](#), or visit his [profile](#).  
[park](#), [woman](#), [beautiful](#), [face](#) ...

 **Mount Fuji, Japan**  
Uploaded on 22 April 2007  
By [Samurai Shiatsu 指圧](#)  
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[mountain](#), [snow](#), [japan](#), [fuji](#) ...

 **Empty train, Japan**  
Uploaded on 6 January 2007  
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## Laurie Anderson - O Superman



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Rate:  1007 ratings **Views: 284,952**

Comments: [746](#) Favorited: 3,311 times Honors: [0](#) Links: [5](#)

### Comments & Responses

Show:  [Help](#) [Post a video response](#) [Post a text comment](#)

[Aarachne](#) (20 hours ago) [Reply](#) 0

i love this song!!  
i think the lyrics are extremely philosophic, but kind of sad.. :(  
i adore the "heart-beat" all trough the song...  
and when it suddenly stops.. <3

That's not the music, i usually listen to.. (i listen to all genres of metal..)  
My father showed me a cd.. and i love it.. but unfortunately i can't listen to her music for too long, i get kind of nervous.. =)

[tbhamdg](#) (14 hours ago) [Reply](#) 0

Yes, it definitely has a hypnotic quality. You can get lost in it. But I can also understand how it makes you nervous. It has a very sinister vibe.

I love the whole album. I also like the title track, Big Science. "Hallelujah -- Yodel-ay-hee-hoo -- Every man for himself". It makes me think of the filme Koyaniskatsi with its soundtrack by Phillip Glass. They're really pretty similar in some ways.

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Joined: 1 year ago  
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expertvillage

# Conversations Surrounding Production/Consumption

## Ustream

The screenshot shows the Ustream website interface. At the top, there is a search bar with the text "Search here..." and a "Search" button. To the right of the search bar are links for "Log In" and "Sign Up". The main navigation menu includes "Home", "Live", "All Shows", "Recorded", and "People". A yellow button labeled "BROADCAST NOW" is positioned on the right side of the navigation bar.

The main content area is divided into several sections. On the left, there is a video player for a live broadcast titled "UNIS-UN". The video shows a speaker at a podium in a large assembly hall. Below the video player, there is a "Go to Show Room and Chat!" button. To the right of the video player, there is a large promotional banner for "LIVE, INTERACTIVE BROADCASTING." with the text: "In just minutes, you can broadcast and interact with a global audience from one to thousands! All it takes is a camera and an Internet connection. Try it now!"

Below the promotional banner, there is a section titled "See what's on Ustream now!" with a "475 Live Shows" indicator. This section features a row of thumbnails for various live shows, including "RAW" and "RAY AND STEV". Below the thumbnails, there is a navigation bar with categories: "All", "★", "Tech", "The Stage", "Video Games/Sports", "People", "The Zoo", and "Religion".

At the bottom of the page, there is a section titled "Events and Announcements" with a "Next >>" link. The main announcement is for "Experience Live", featuring a woman playing a guitar. The text reads: "Experience Live LIVE SXSW Coverage, Concerts And Craziess Mar 9th-15th".

At the very bottom, there is a section titled "Recent Highlights on Ustream".

# Conversations Surrounding Production/Consumption

## Swivel

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**Spotlight** [Obama and Clinton: Total Delegate Votes](#)

Candidate	Total Delegates
Barack Obama	1512
Hillary Rodham Clinton	1423

Source: [CBS Early Show](#)

In yesterday's Democratic primaries Clinton showed her strength once again in winning the big states by her victories in Ohio and Texas. However, Obama is still the leading candidate when it comes to [delegates](#). This graph shows the **total number of pledged delegates won by each candidate as of March 5, 2008**. Obama has a total of 1,512 delegates; Clinton, 1,423. A candidate needs 2,025 delegates to win the primary election and Clinton is hoping to narrow the margin so that she may win more superdelegate votes (unpledged) at the Democratic National Convention to be held in Denver in August.

**Featured Graphs**

**U.S. Greenhouse Gas Emissions**  
This graph shows **historical trends in energy-related carbon dioxide emissions by fuel type: natural gas, petroleum, coal, and other (non-biogenic biomass and geothermal)**. In 2004, total greenhouse gas [emissions](#) amounted to 5,957.4 million metric tons of carbon dioxide. [States](#) Texas, California, and Pennsylvania were the biggest contributors. Graph by [omerida](#).

Source: [Energy Information Administration](#)

**Children Adopted to the U.S.**  
This graph shows the **total number of immigrant visas issued to orphans in the United States**. In [2006](#) the U.S. issued 20,700 visas to orphans being adopted by American parents; 6,500 of which were given to children coming from China, and 4,100 from [Guatemala](#). It is estimated that one in every 100 Guatemalan children grows up a U.S. citizen. However, many see the adoption process as a "baby

Source: [US State Department](#)

**8758 Data Sets**  
[stuff over time](#)  
Contributed by [bugusnet](#) 1 day

# Production, Consumption, and Remix

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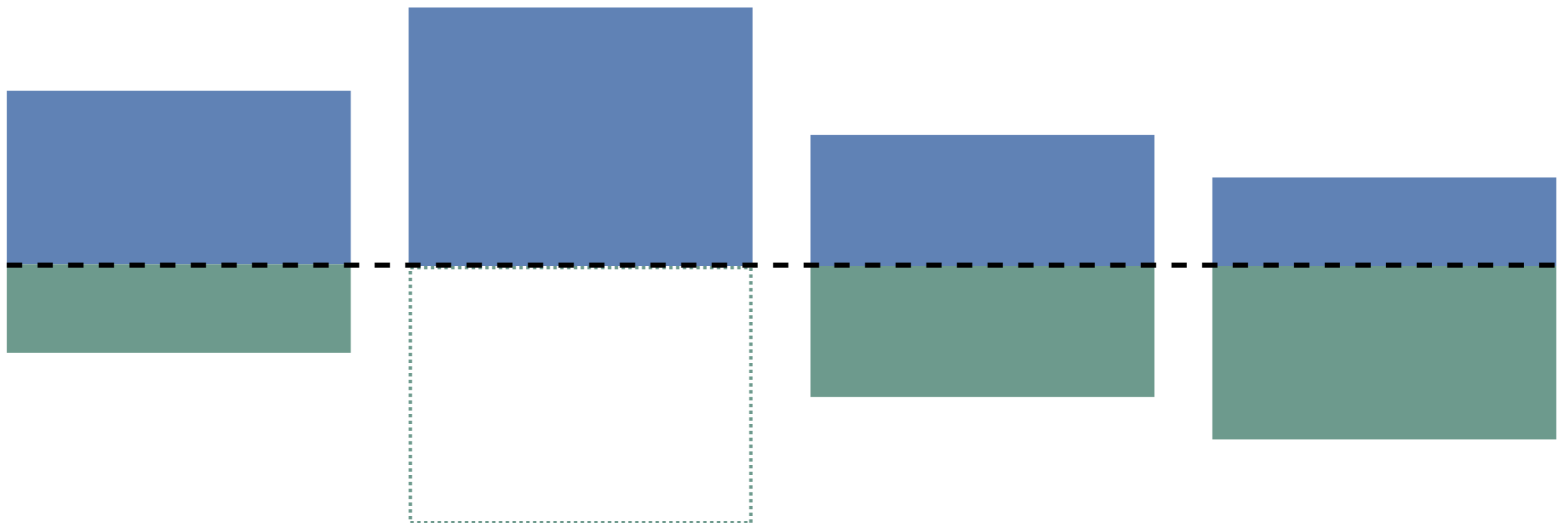
Self-sourced

*Flickr*

*Ustream*

*Swivel*

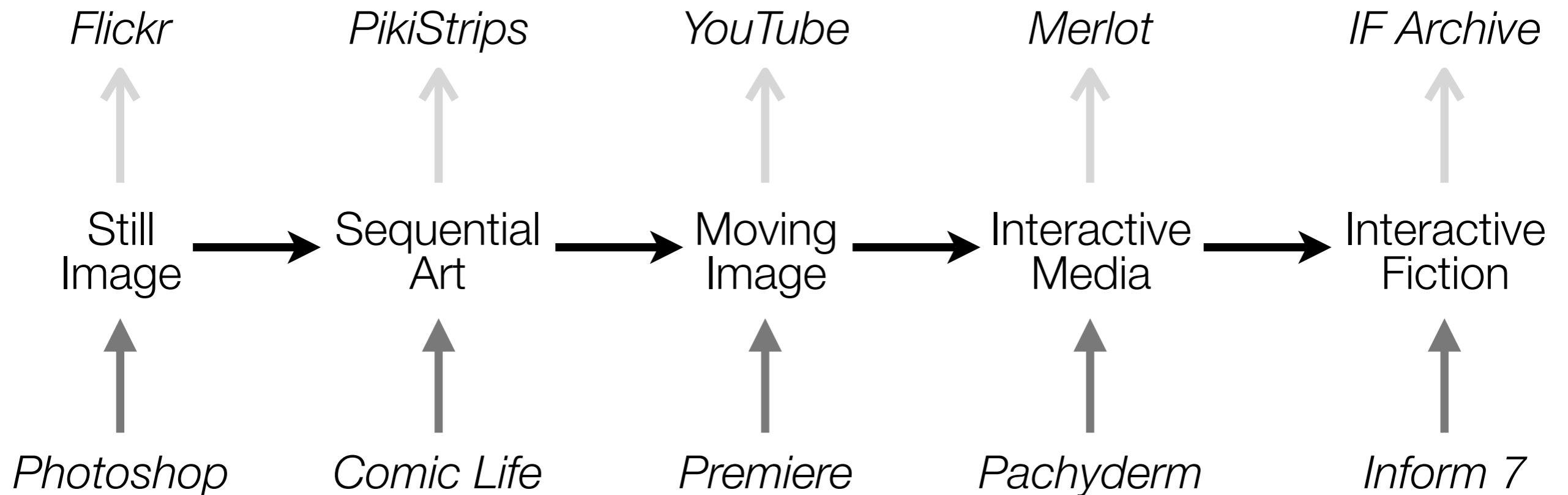
*YouTube*



Other-sourced

# Digital Storytelling Flows

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# Conversations Mapping the Terrain

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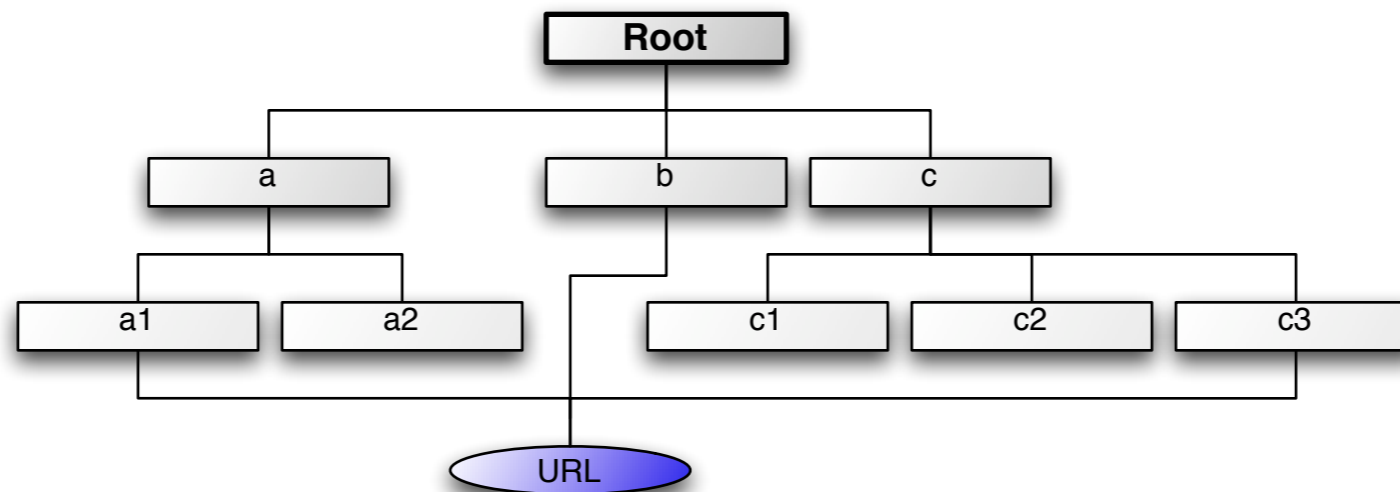
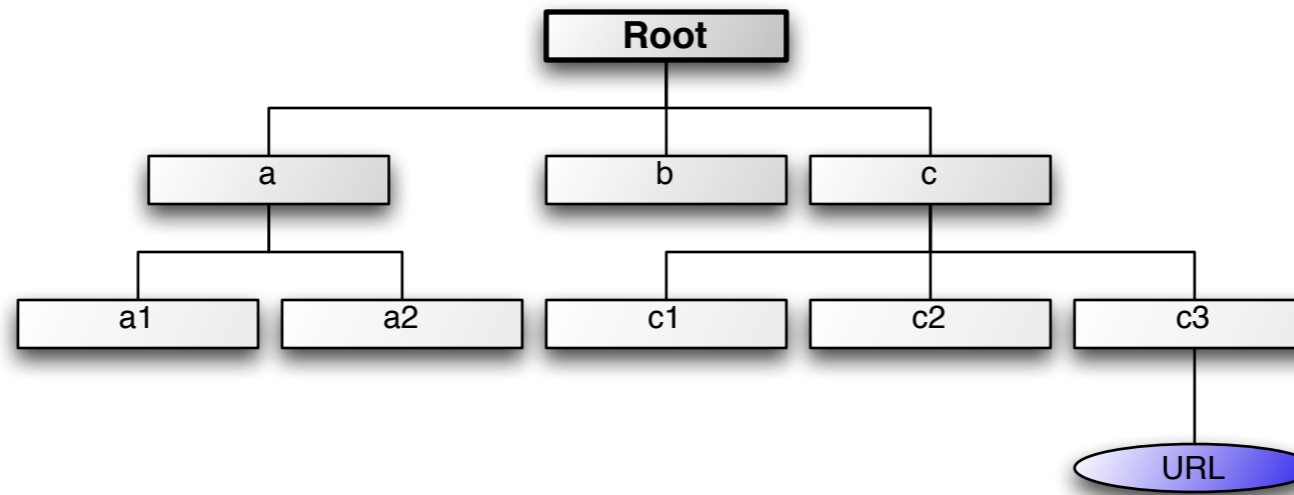
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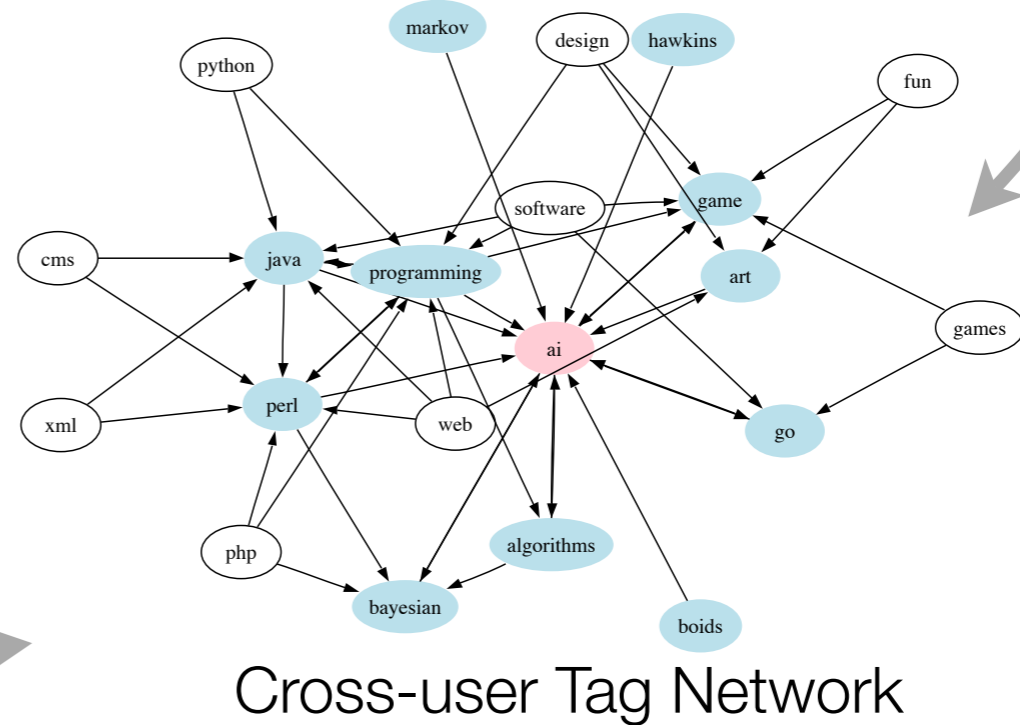
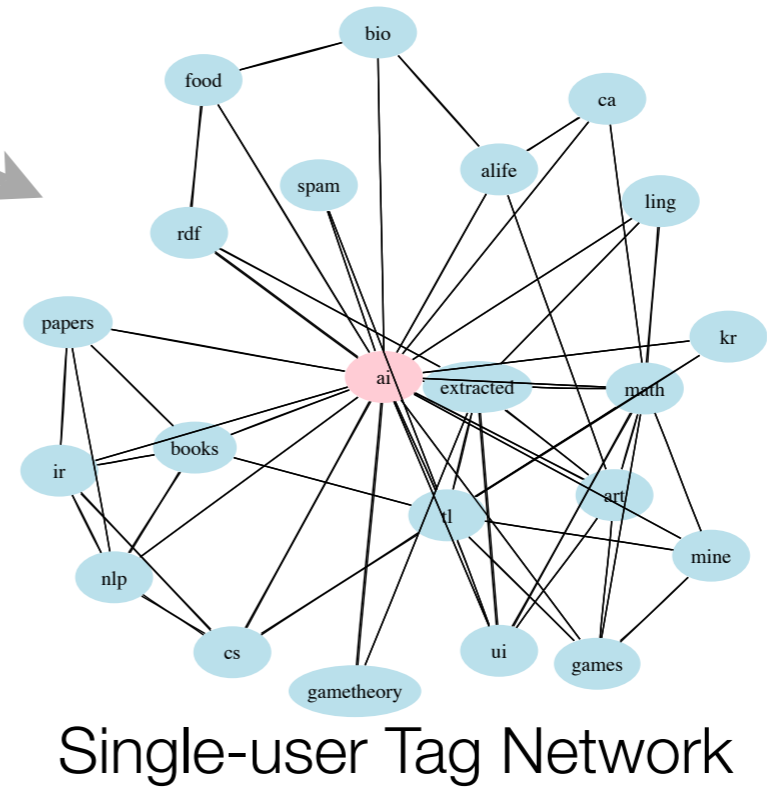
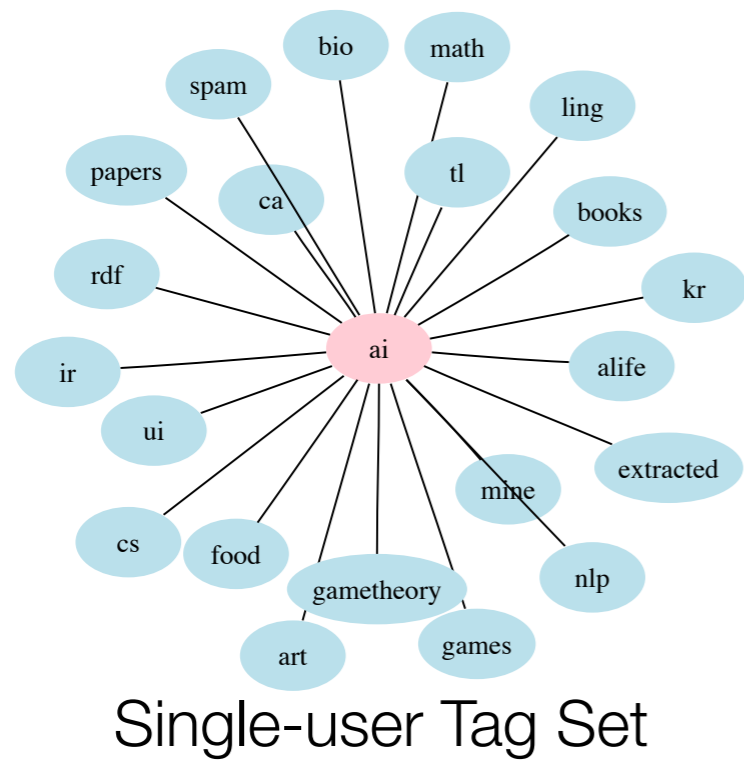
» showing **10**, **25**, **50**, **100** items per page

# The Tag Model

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# The Tagging Network



# Conversations Based on Shared Creation

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Davids (2 items)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Gaming Summit Speakers</b>	me	4/15/07 me
Nick.noakes (1 item)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Gaming Summit</b>	me	4/15/07 me
Nick.noakes (1 item)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Emerging Technologies in Higher Edu</b>	Cyprien, Nick.noakes, Nick.noakes, me, Rubenrp, Wbrent	1/15/07 Cyprien
Pbuffington (2 items)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>SL - Teaching Ethnography</b>	me	11/16/06 me
Rubenrp (3 items)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Virtual Teams in Second Life</b>	me	11/12/06 me
Wbrent (1 item)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Second Life into UT Freshman Englis</b>	me	11/9/06 me
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Student &amp; Social Software Apps</b>	me	11/9/06 me
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Gardner - Future of Metaphor</b>	me	11/9/06 me
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Zora - Virtual Communities</b>	me	11/8/06 me
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Educause_Tues_3</b>	me	10/18/06 me
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Closing Session</b>	me	10/12/06 me
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>PennTags</b>	me	10/12/06 me
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>TestOne</b>	me	10/11/06
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Educause_Wed_S2</b>	me	10/11/06 me
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Educause_Wed_S1</b>	me	10/11/06 me

Select: All 31, None

Showing items 1-31 of 31

# Conversations Based on Shared Creation

## Gliffy

The screenshot displays the Gliffy Online web application interface. At the top, the header reads "gliffy Online - demo2, v1, this diagram is private". Below the header is a navigation bar with "File", "Edit", "Share", "Create", "Modify", and "View" menus, along with a "log out" and "profile" link. A central banner prompts the user to "Click here to upgrade your Free Gliffy Online Basic account to Premium:". The main workspace is a grid where a diagram is being created, featuring a central circle connected to four surrounding squares. A left sidebar lists various shapes under "Basic Shapes", including Triangle, Ellipse, Rectangle, Circle, Square, Pentagon, Hexagon, Octagon, Right Triangle, Star 5, Rounded Rectangle, Cross, Arrow 45 Single, Arrow 45 Double, and Cylinder. A right sidebar contains "Properties" (Document Name: demo2, Page Properties: width 5000 px, height 5000 px, color, grid visible, snap to grid, page breaks), "Help/Feedback", "Why Upgrade?", and "Revision History" (v1, 2008-03-06).

# Creation in the Conversation

## *Blogs*



## Gardner Writes

### Samuel Taylor Coleridge

March 3rd, 2008



I was privileged to read several lyrics by Coleridge this past Thursday as part of the University of Mary Washington's venerable "Thursday Poems" series. The idea is simple: gather on Thursday afternoon to hear someone read thirty minutes worth of poetry. No lectures, minimal commentary, mostly just great verse. My colleague and mentor Bill Kemp (of Kemp Symposium fame) started the series several years ago. For my money, it was a great accomplishment. My colleague (and fellow music- and poetry-lover) Eric Lorentzen has kept the tradition going with panache, and with

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#### Author

Gardner Campbell is a Professor of English at the University of Mary Washington in Fredericksburg, Virginia, where he teaches literature of the English Renaissance, film studies, new media studies, and writing. He's worked in teaching and learning technologies for over a decade, at the University of Mary Washington and the University of Richmond, and currently serves on the Advisory Board of the EDUCAUSE Learning Initiative, the Electronic Campus of Virginia, and the Virginia Learning Technology Advisory Committee. He is also a Fellow of the Frye Leadership Institute, class of 2005.

#### Recent Jaunts

- » [Colleges Expect Heroics From Professors, Without Fixing Themselves, a President Says - Chronicle.com](#) - "If colleges are going to change teaching?and the impact it has on student-learning outcomes?they must change their entire culture."
- » [C.R.A.P.:The Four Principles of Sound Design](#) - via Techfoot
- » [Use MERLOT to Develop Hybrid/Online Classes More Easily | EDUCAUSE CONNECT](#)
- » [JamStudio.com - The online music factory - Jam, remix, arrange chords](#)

# Rediscovering Forms of Discourse through Blogs

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- The Exploratory Essay
- The Epistolary Conversation
- The Public Scholarly Societies

# Creation in the Conversation Wikis



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## Wave function collapse

From Wikipedia, the free encyclopedia

In certain [interpretations of quantum mechanics](#), **wave function collapse** is one of two processes by which [quantum systems](#) apparently evolve according to the laws of [quantum mechanics](#). It is also called *collapse of the state vector* or *reduction of the wave packet*. The reality of wave function collapse has always been debated, i.e., whether it is a fundamental physical phenomenon in its own right (which may yet emerge from a [theory of everything](#)) or just an [epiphenomenon](#) of another process, such as [quantum decoherence](#). In recent decades the quantum decoherence view has gained popularity.

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## Outline

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The state or [wave function](#) of physical system, at some time, can be expressed in Dirac or [bra-ket notation](#) as:

$$|\psi\rangle = \sum_i |i\rangle\psi_i$$

where the  $|i\rangle$ s specify the different quantum "alternatives" available (technically, they form an [orthonormal eigenvector basis](#) which implies  $\langle i|j\rangle = \delta_{ij}$ ). An observable or measurable parameter of the system is associated with each eigenbasis, with each quantum alternative having a specific value or [eigenvalue](#),  $e_i$ , of the observable.

The  $\psi_i = \langle i|\psi\rangle$  are the [probability amplitude](#) coefficients, which are [complex numbers](#). For simplicity we shall assume that our wave function is normalised:  $\langle\psi|\psi\rangle = 1$ , which implies that

$$\langle\psi|\psi\rangle = \sum_i |\psi_i|^2 = 1.$$

With these definitions it is easy to describe the process of collapse:

When an external agency measures the observable associated with the eigenbasis then the state of the wave function changes from  $|\psi\rangle$  to just *one* of the  $|i\rangle$ s with [Born probability](#)  $|\psi_i|^2$ . This is called collapse because all the other terms in the expansion of the wave function have vanished or collapsed into nothing.

If a more general measurement is made to detect if the system is in a state  $|\phi\rangle$  then the system makes a "jump" or [quantum leap](#) from the original state  $|\psi\rangle$  to the final state  $|\phi\rangle$  with probability of  $|\langle\psi|\phi\rangle|^2$ . Quantum leaps and wave function collapse are therefore opposite sides of the same coin.

# Murder, Madness, and Mayhem: Latin American Literature in Translation

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project page discussion edit this page history

## Wikipedia:WikiProject Murder Madness and Mayhem

From Wikipedia, the free encyclopedia

“ *This is a remarkable project, and a herculean task realized in the short time span of less than 15 weeks. Jon and his students are model for thinking, sharing and contributing with the open space of the internet. An important act of faith and intellectual responsibility. It is ever so impressive.* ”

—Jim Groom<sup>[1]</sup>

“ *Gives students real-world experience finding their way, collaboratively, to high standards of content and writing in their field. It's an incredible example of what college students and their inspired teacher can do, collaborating, reflecting, listening, revising.* ”

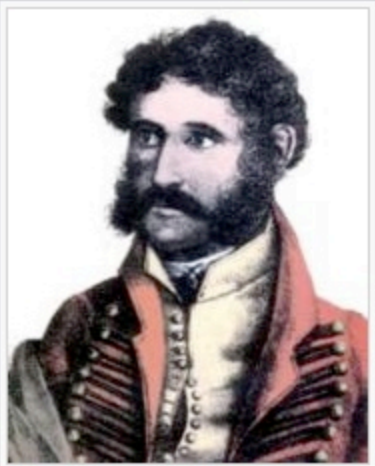
—Barbara Ganley<sup>[2]</sup>

“ *Over the course of the last few months I have learned so much about writing I cannot even express... and it shows. I have been a B+/A- student throughout my entire undergraduate career, and my last two papers have been A's! I think the grades speak for themselves.* ”

—Monica Freudenreich<sup>[3]</sup>

“ *I will no longer allow my daughter to consider attending the University of British Columbia, so long as Murray is paid to teach there.* ”

—Gregory Kohs<sup>[4]</sup>



The grand-daddy of them all...  
Juan Facundo Quiroga

Shortcut:  
WP:MMM

The [University of British Columbia's](#) class SPAN312 ("Murder, Madness, and Mayhem: Latin American Literature in Translation") has been contributing to Wikipedia during Spring 2008. Our collective goals have been to bring a selection of articles on Latin American literature to [featured article](#) status (or as near as possible). At project's end, we have contributed three [featured article](#) and eight [good articles](#). None of these articles were good articles at the outset; two did not even exist.

We have had the unstinting support of the (in)famous [FA-Team](#), who took this on as [their first mission](#). We have also been fortunate to have the support of members of [WikiProject Novels](#). The collaboration of other interested Wikipedia editors has of course been very much appreciated. We would like to [thank everyone](#) for their hard work and incredible generosity.

Feel free to [discuss this project](#). With the FA-Team, we are also now embarking on [an analysis and post-mortem](#).

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### The Big Bang Theory



### Pink Paislee



### Cafe Historia



### Capoeira Espaco



### My RV Link



### Trek Space





**Get Your Own Social Network!**

Ning is the only online service where you can create, customize, and share your own Social Network for free in seconds.

**WE'RE HIRING!**

Deciding What's Next

# The SAMR Model

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## *Transformation*

<i>Level</i>	Redefinition	Tech allows for the creation of new tasks, previously inconceivable	Integrated with workgroup and content management software
	Modification	Tech allows for significant task redesign	Integrated with email, spreadsheets, graphing packages
	Augmentation	Tech acts as direct tool substitute, with functional improvement	Basic functions (e.g., cut and paste, spellchecking) used
	Substitution	Tech acts as direct tool substitute, with no functional change	Word processor used like a typewriter

## *Enhancement*

# Some Resources

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- *The Horizon Report*
  - <http://www.nmc.org/horizon>
- *ELI: 7 Things You Should Know About...*
  - [http://www.educause.edu/content.asp?page\\_id=7495&bhcp=1](http://www.educause.edu/content.asp?page_id=7495&bhcp=1)
- *50 Web 2.0 Ways To Tell a Story*
  - <http://cogdogroo.wikispaces.com/50+Ways>
  - <http://cogdogroo.wikispaces.com/StoryTools>

# Hippasus

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