

# Conversations: 2 Grand Pianos on a Stage

R. David Lankes http://www.DavidLankes.org







How Students Learning Math in 1960's England Leads to Two Grand Pianos in a Public Library



How the North Winning the US Civil War lead to the Modern Computer







E456-655 Civil War period, 1861-1865 UF400-405 Field artillery



UF400-405 Field artillery

QA801-939 Analytic mechanics



UF400-405 Field artillery

QA801-939 Analytic mechanics

E745 Military history



UF400-405 Field artillery

QA801-939 Analytic mechanics

E745 Military history

QA75.5-76.95 Electronic computers. Computer science



UF400-405 Field artillery

QA801-939 Analytic mechanics

E745 Military history

QA75.5-76.95 Electronic computers. Computer science

TK452-454.4 Electric apparatus and materials. Electric circuits. Electric networks



UF400-405 Field artillery

QA801-939 Analytic mechanics

E745 Military history

QA75.5-76.95 Electronic computers.
Computer science

TK452-454.4 Electric apparatus and materials. Electric circuits. Electric networks

TK7885-7895 Computer engineering. Computer hardware



UF400-405 Field artillery

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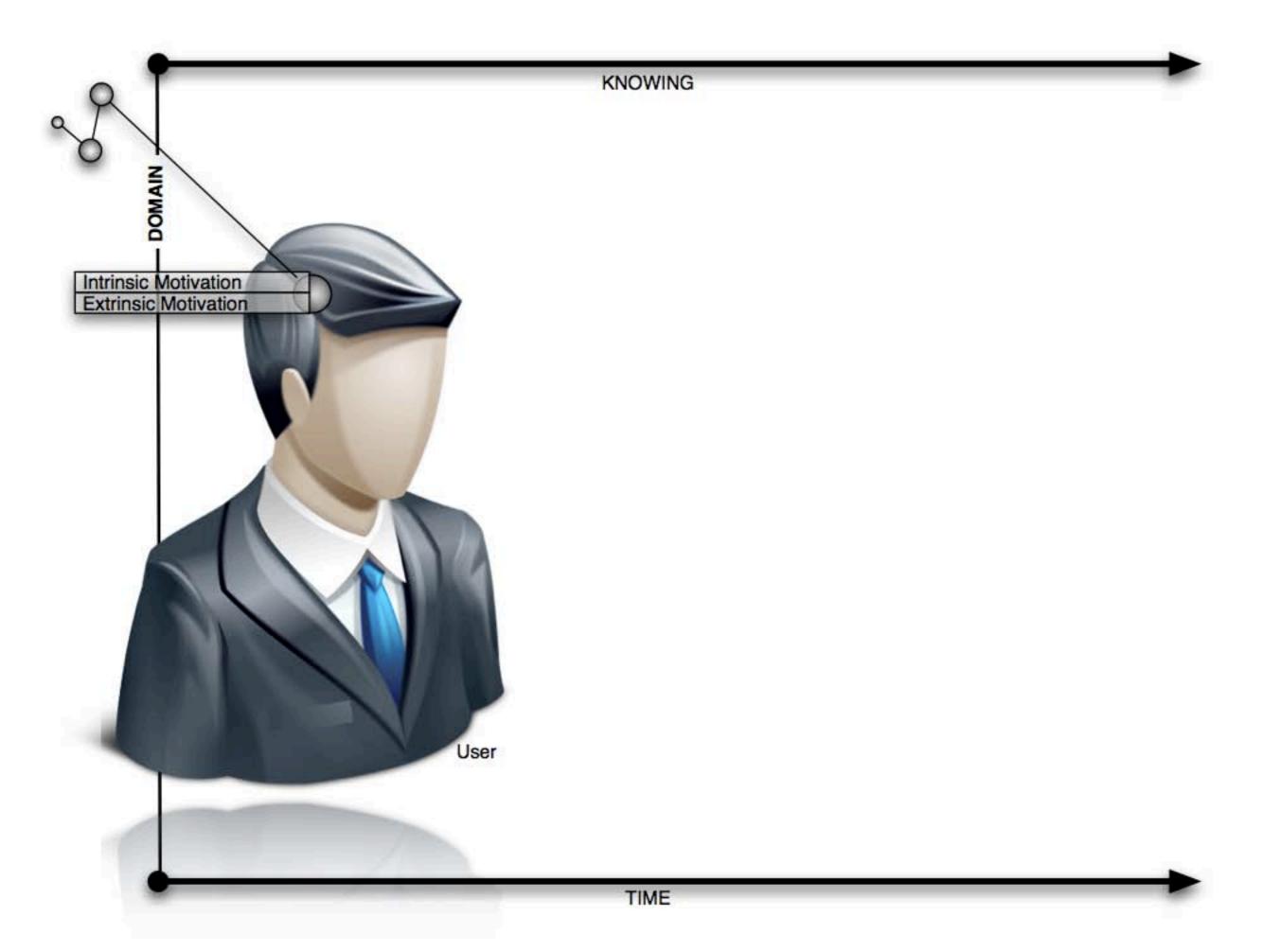


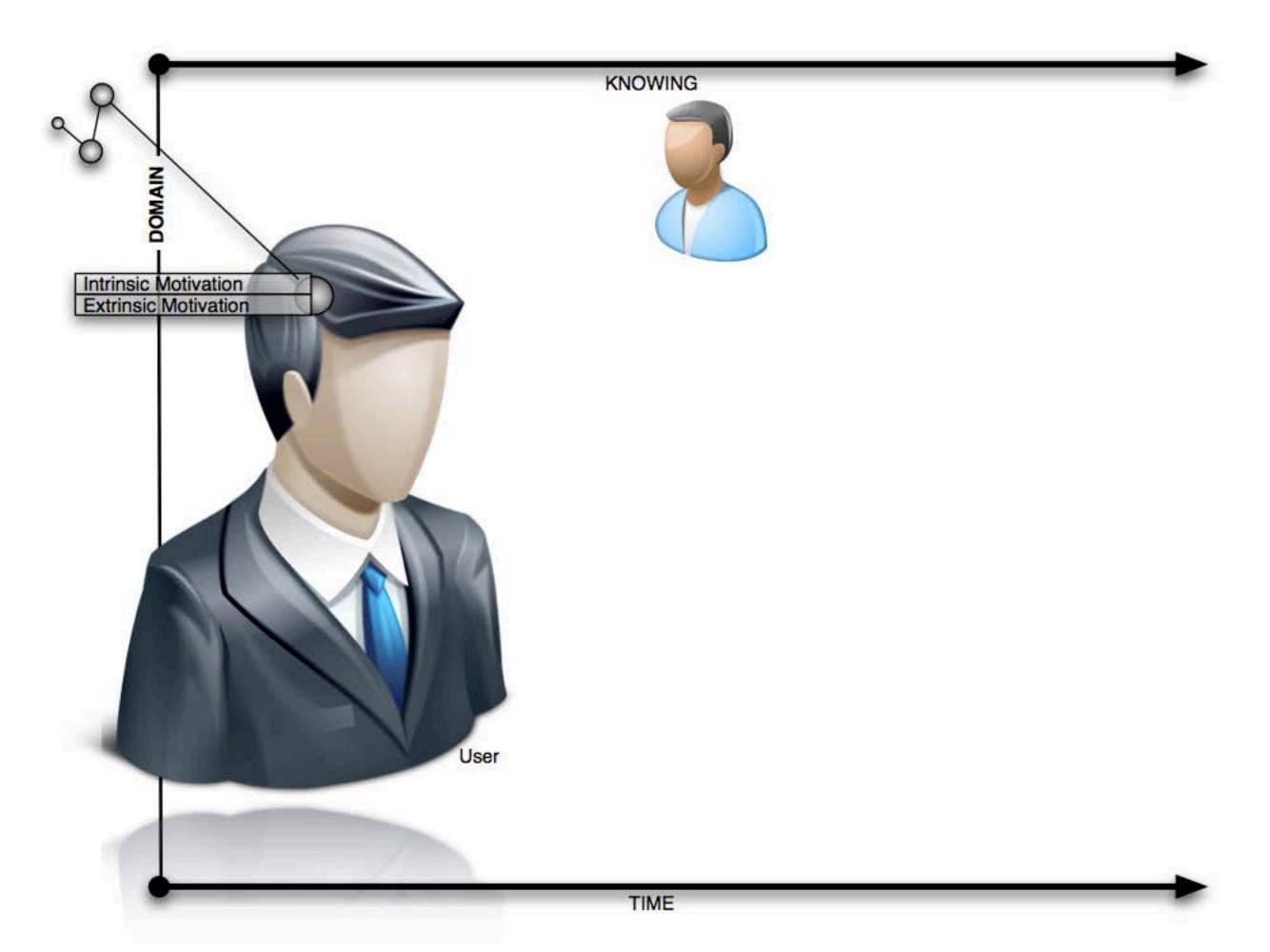


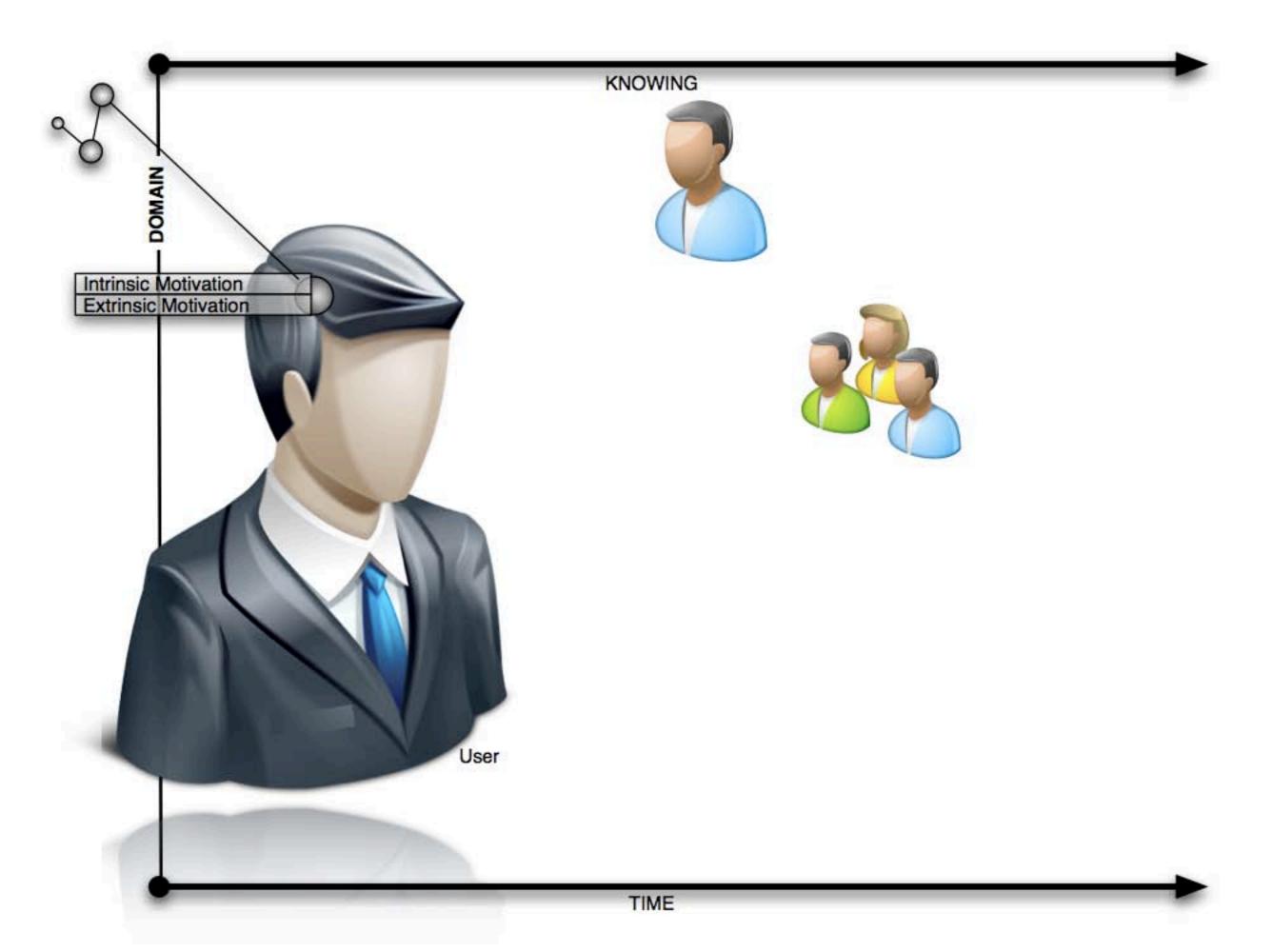


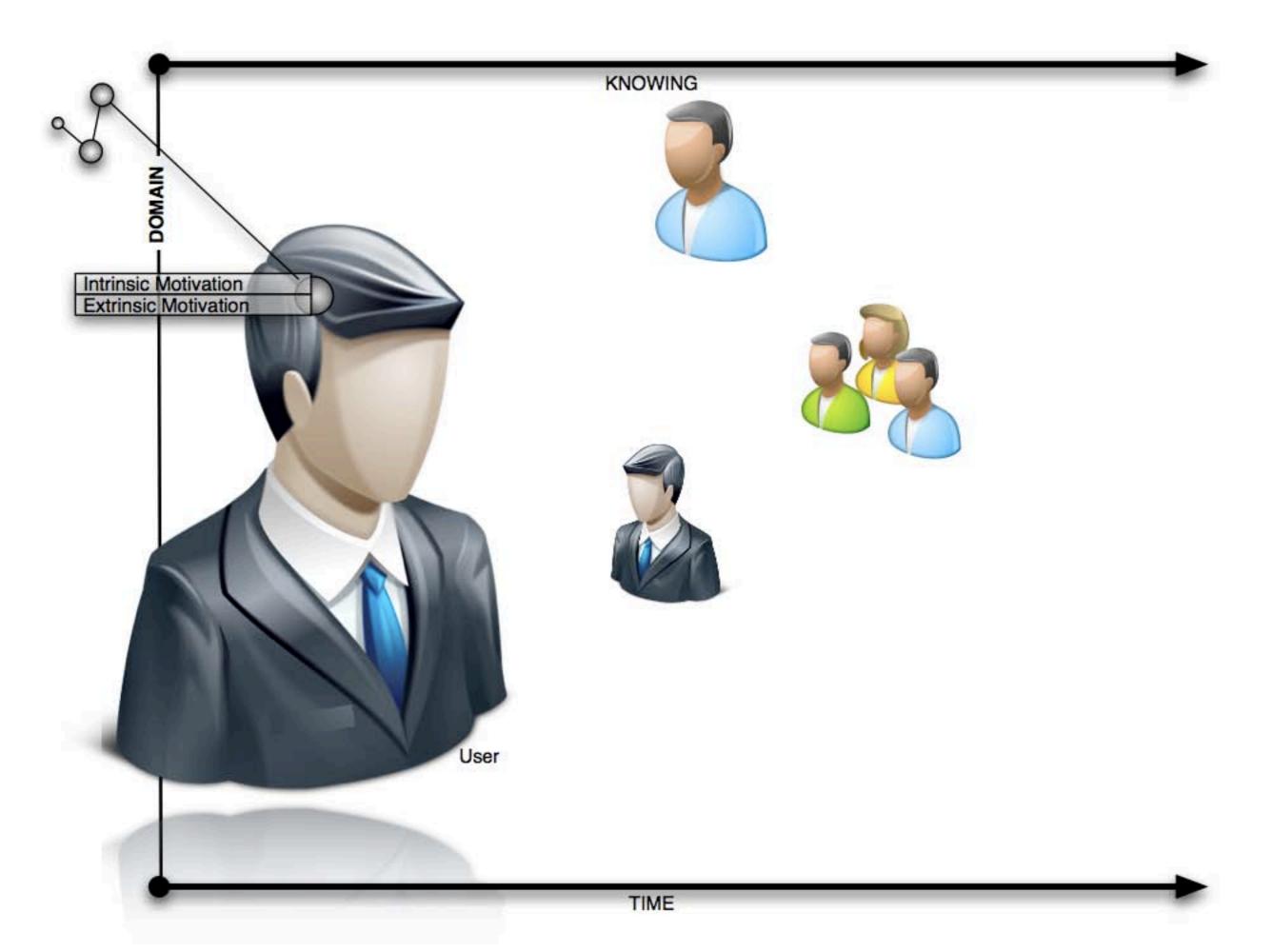


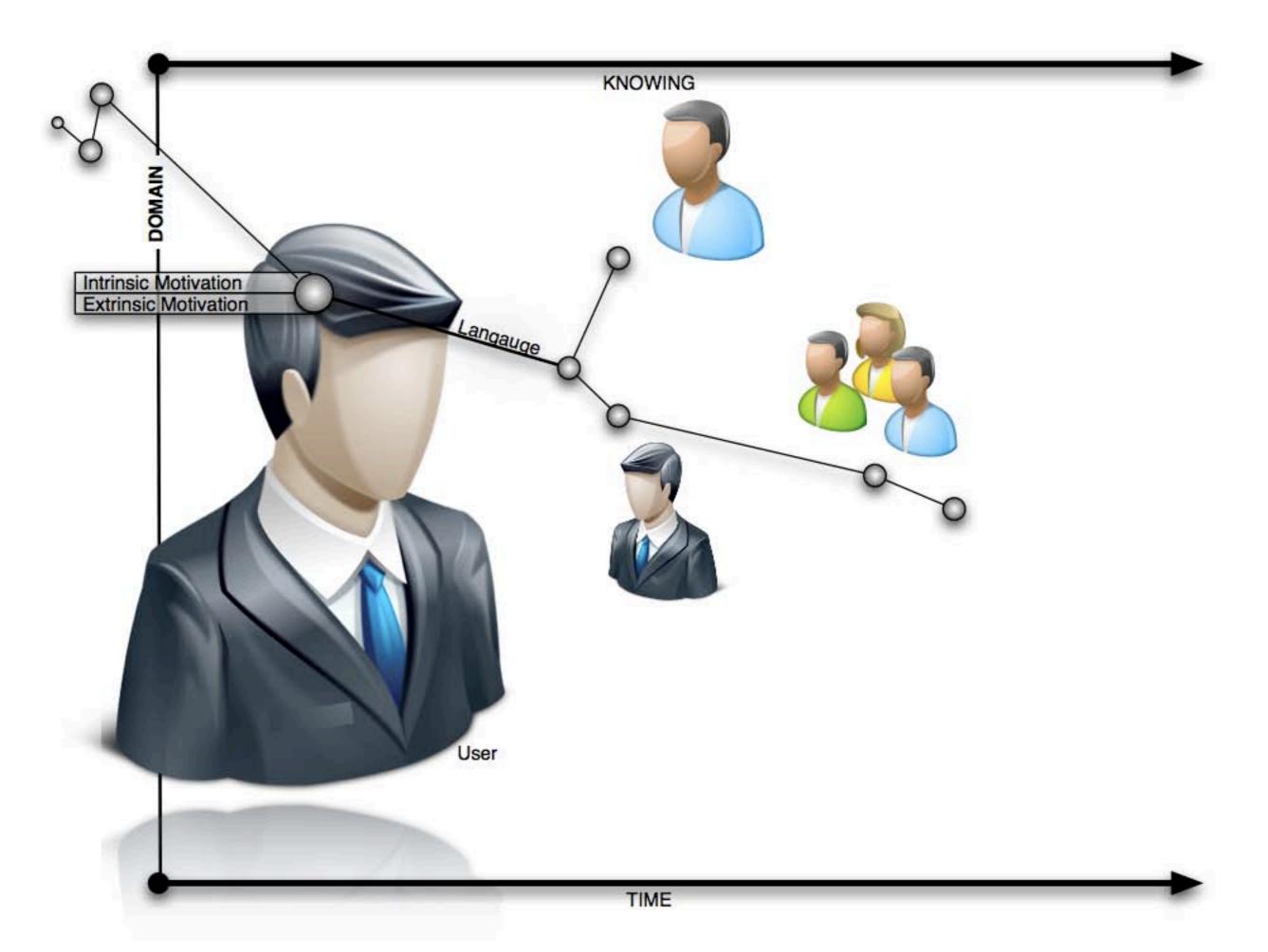


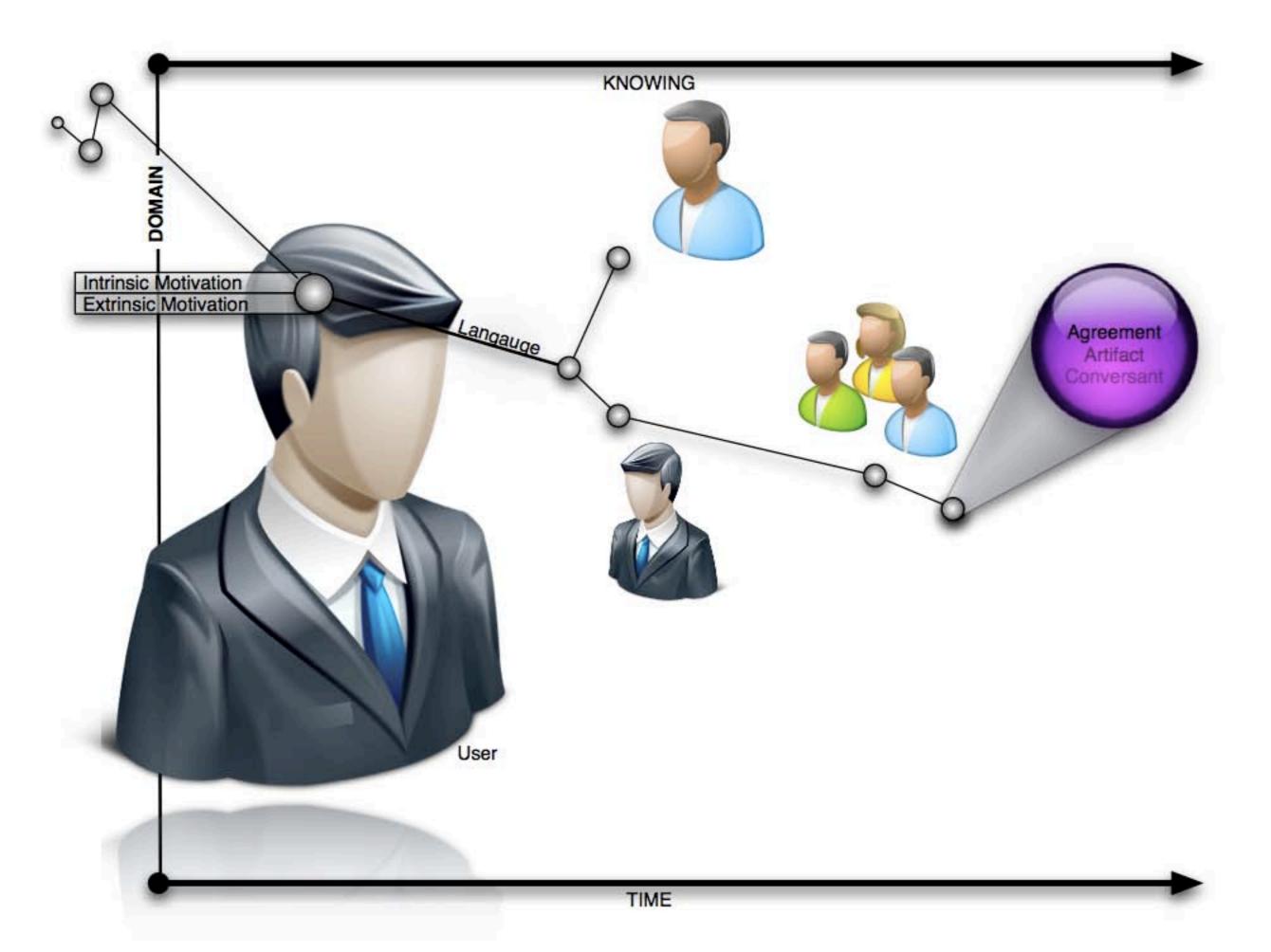


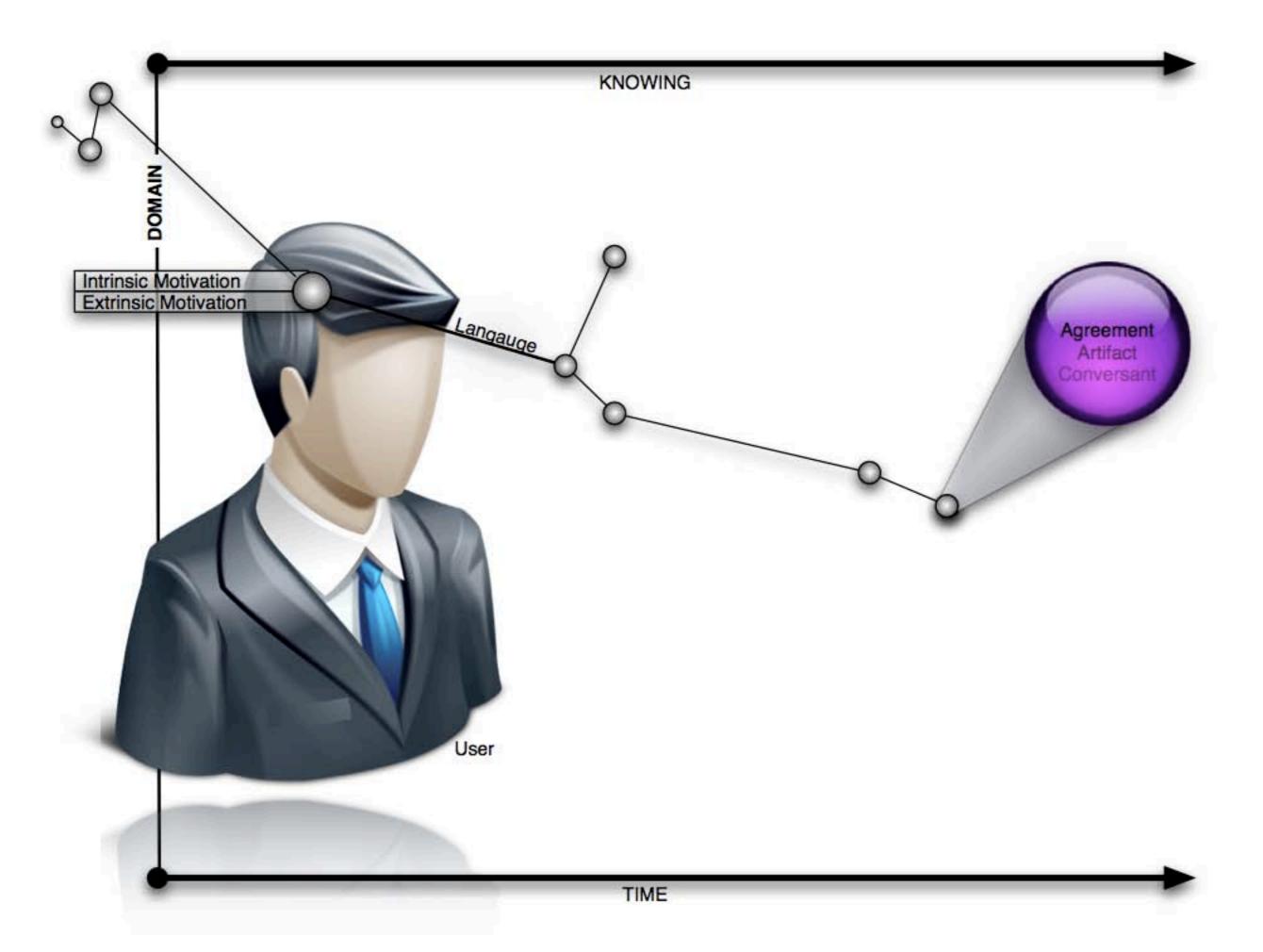










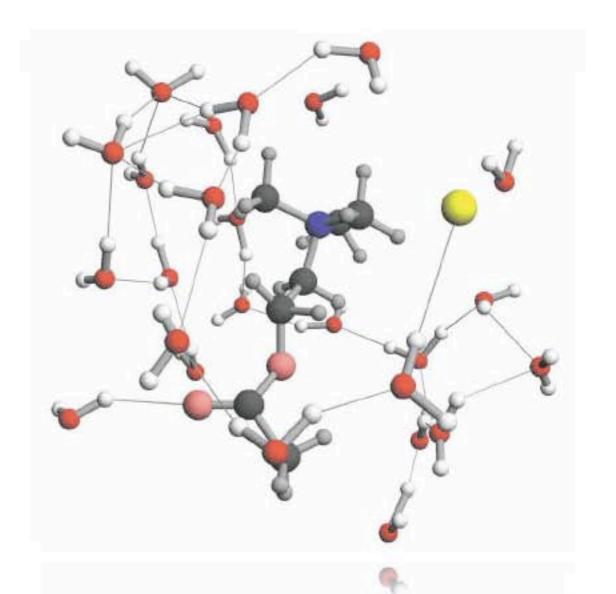


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- Mathematical Expression

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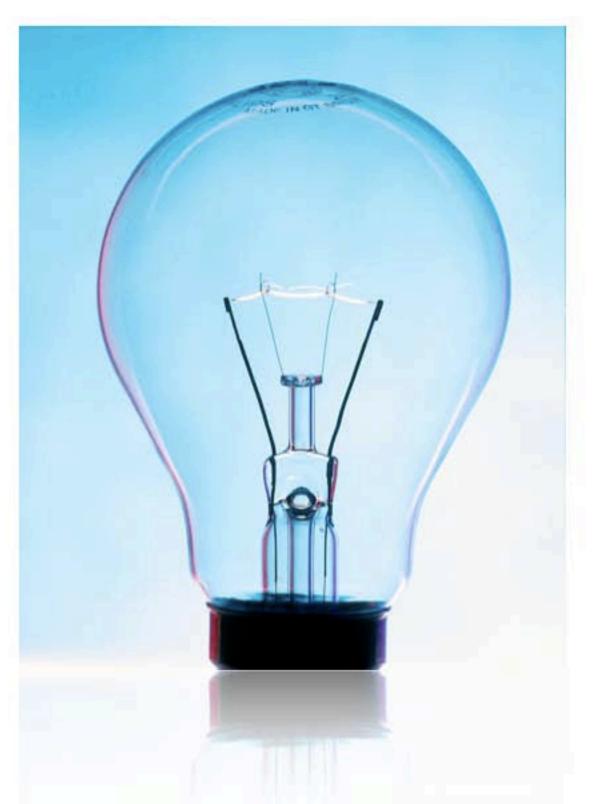
Illumination

- Illumination
- Set Afire

- Illumination
- Set Afire
- Not Heavy

# Light

- Illumination
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- Not Heavy



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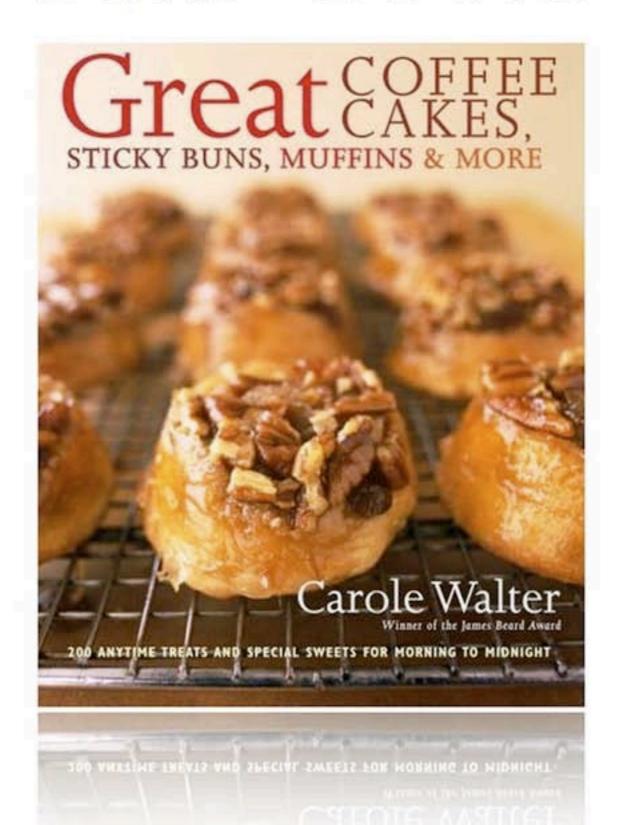
# Formula+Light+OMG

# Formula+Light+OMG



## Buns+Books

### Buns+Books



# Women+Comfortable Shoes

# Women+Comfortable Shoes



# Adult + Services

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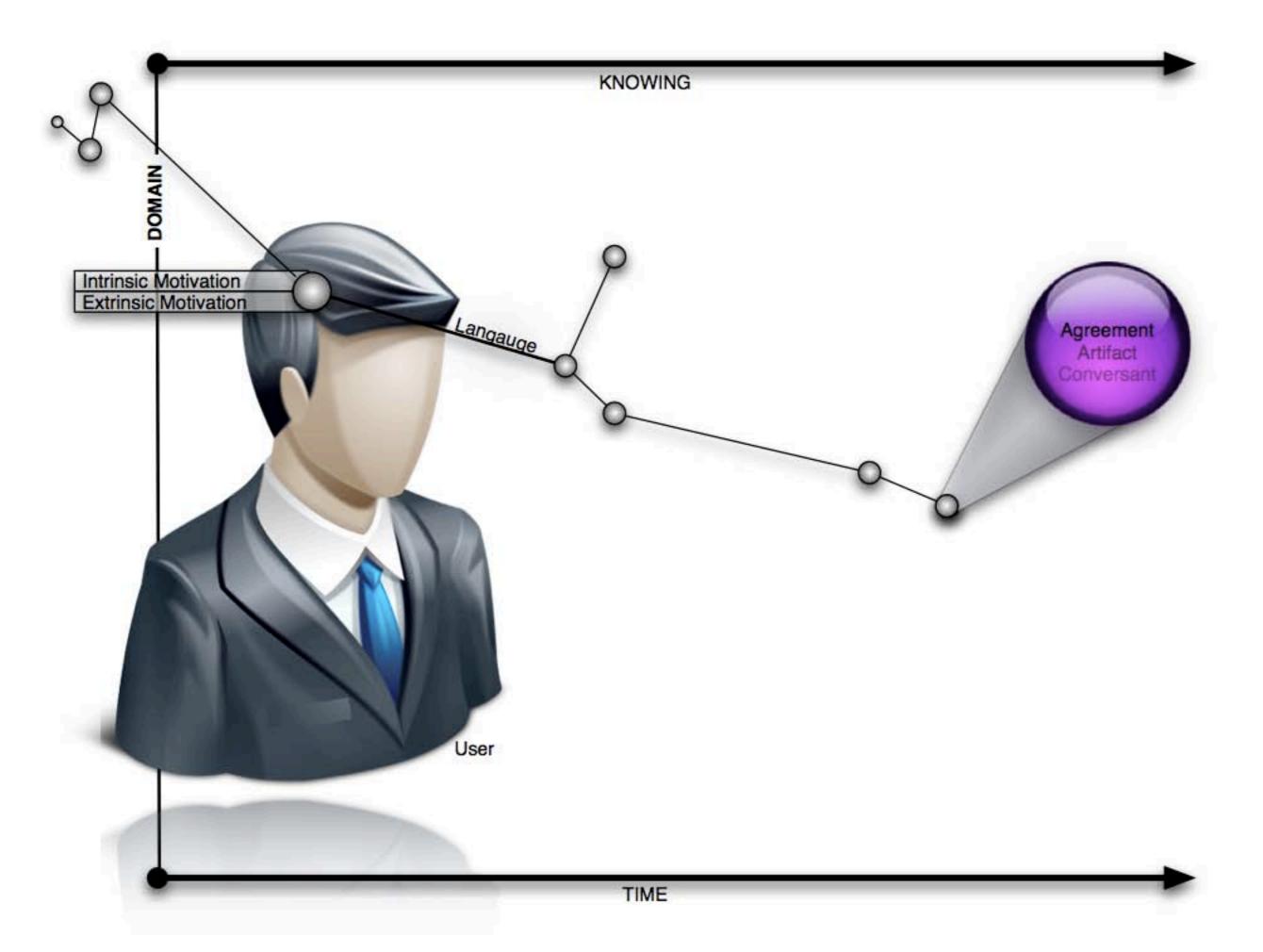
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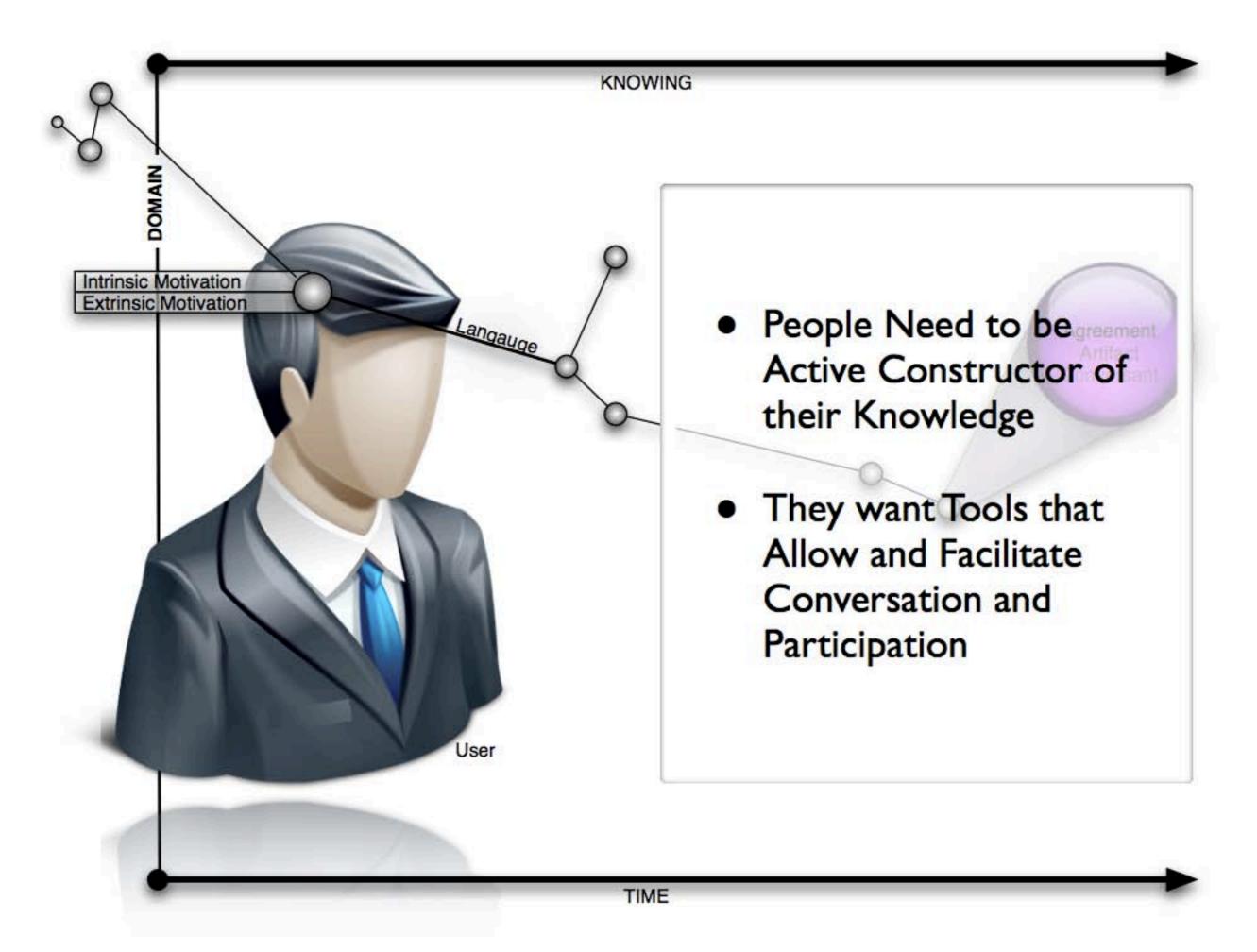
#### The User Defines Context, Not the Object or the Facilitator

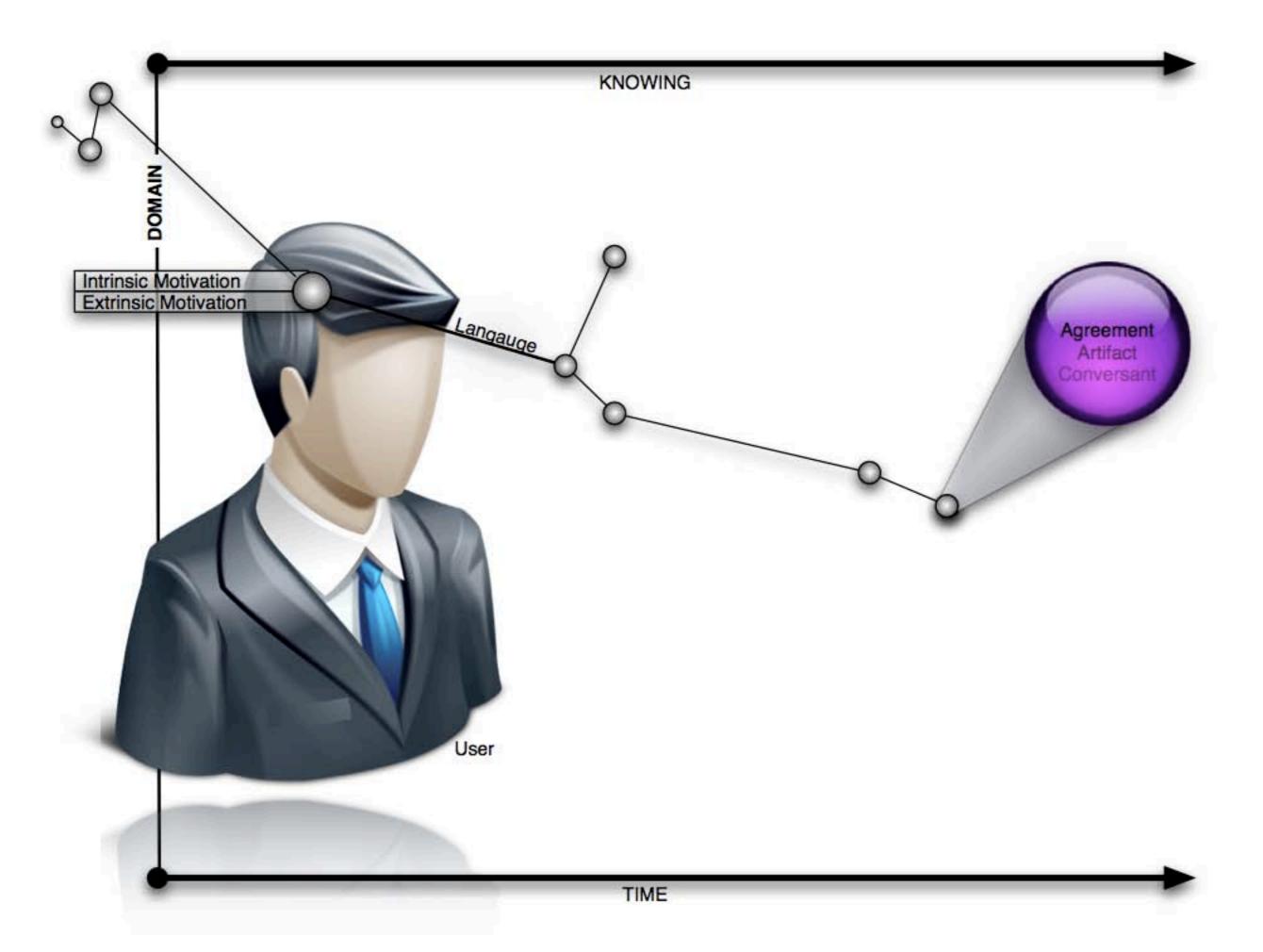
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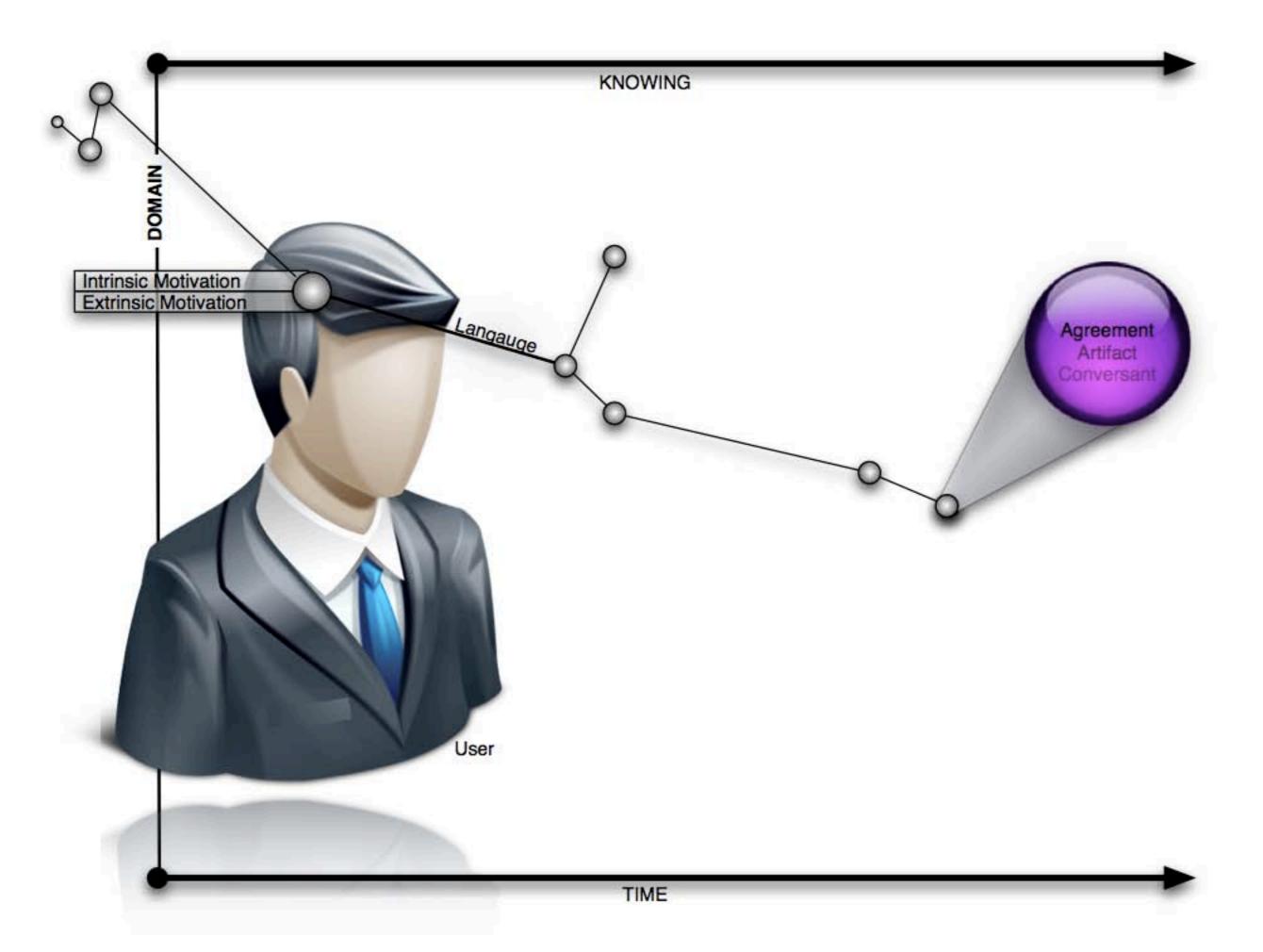
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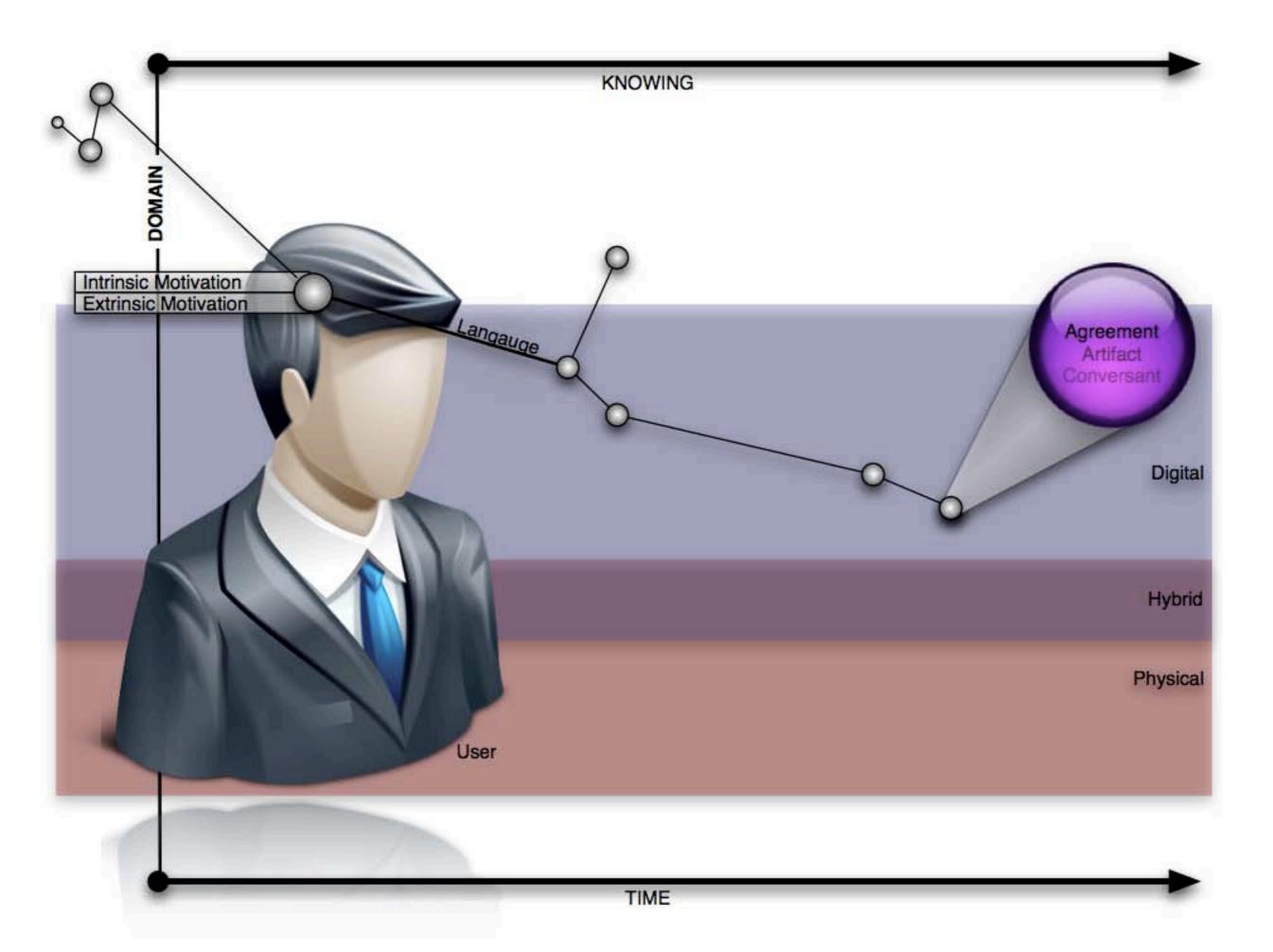
#### Religious Truth

























#### User-Based Design







#### User-Based Design







#### User-Based Design







#### User-Based Design







#### User-Based Design





# System View User-Based Design User Systems Output Description: Output Description:

User Derived

**Expert Driven** 

User Built

#### User-Based Design



#### User-Based Design



#### User-Based Design







Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality

### User-Based Design

# User Systems







Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality

Modal

### User-Based Design







Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality
Modal	Non-Modal	

# User-Based Design







Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality
Modal	Non-Modal	Highly Customizable

#### User-Based Design

# User Systems







Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality
Modal	Non-Modal	Highly Customizable

Targeted User

### User-Based Design

# User Systems



Targeted User





Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality
Modal	Non-Modal	Highly Customizable

Collaborative

#### User-Based Design







Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality
Modal	Non-Modal	Highly Customizable
Targeted User	Collaborative	Social

## User-Based Design

# User Systems



ILS





Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality
Modal	Non-Modal	Highly Customizable
Targeted User	Collaborative	Social

### User-Based Design

# User Systems



ILS





Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality
Modal	Non-Modal	Highly Customizable
Targeted User	Collaborative	Social

**Operating Systems** 

#### User-Based Design







Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality
Modal	Non-Modal	Highly Customizable
Targeted User	Collaborative	Social
ILS	Operating Systems	Web 2.0

#### User-Based Design

#### **User Systems**



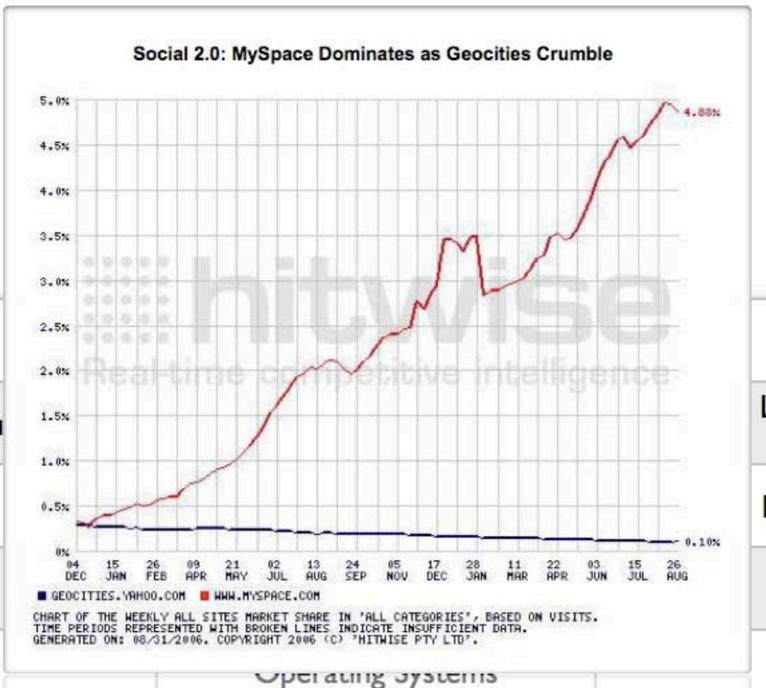


Loaded with Deep Fu

Modal

Targeted User

ILS





User Built

Loaded with Shallow Functionality

Highly Customizable

Social

Web 2.0

#### User-Based Design

#### **User Systems**



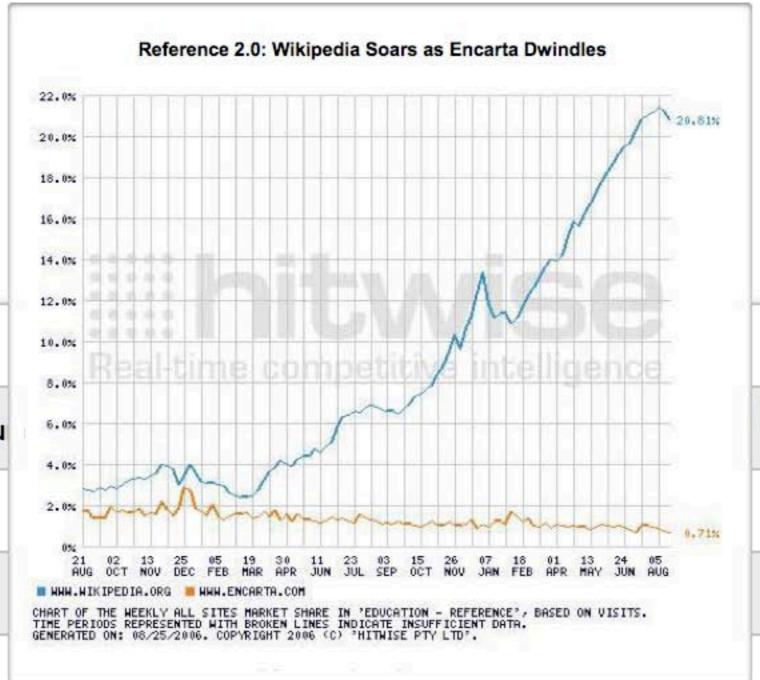


Loaded with Deep Fu

Modal

Targeted User

ILS





User Built

Loaded with Shallow Functionality

Highly Customizable

Social

Web 2.0

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TIME PERIODS REPRESENTED WITH DROKEN LINES INDICATE INSURFICIENT DATA,
URBERATED ONE 68/25/2006, COPYRIGHT 2006 (C) "HITMISE PTY LID",

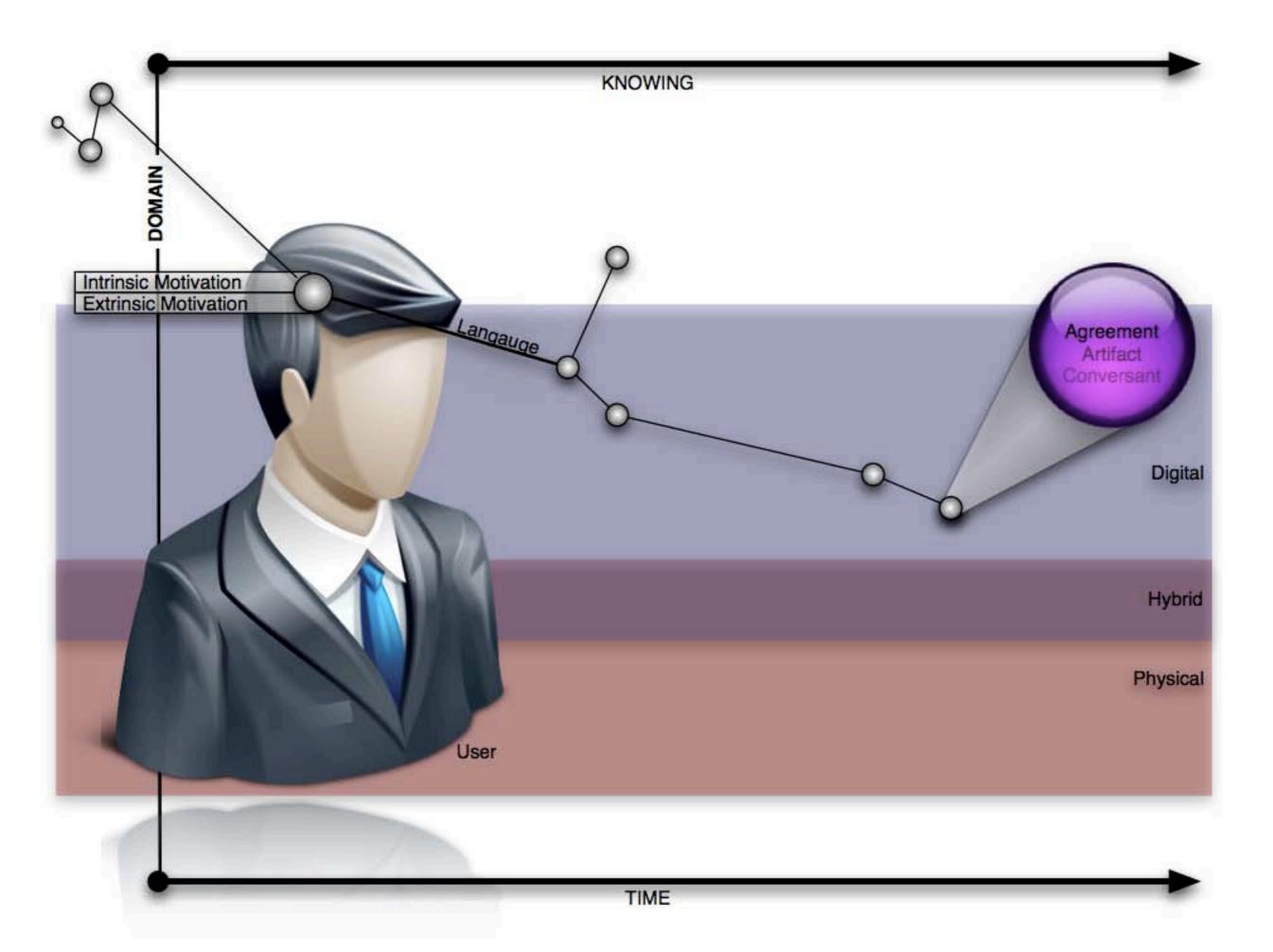
#### User-Based Design

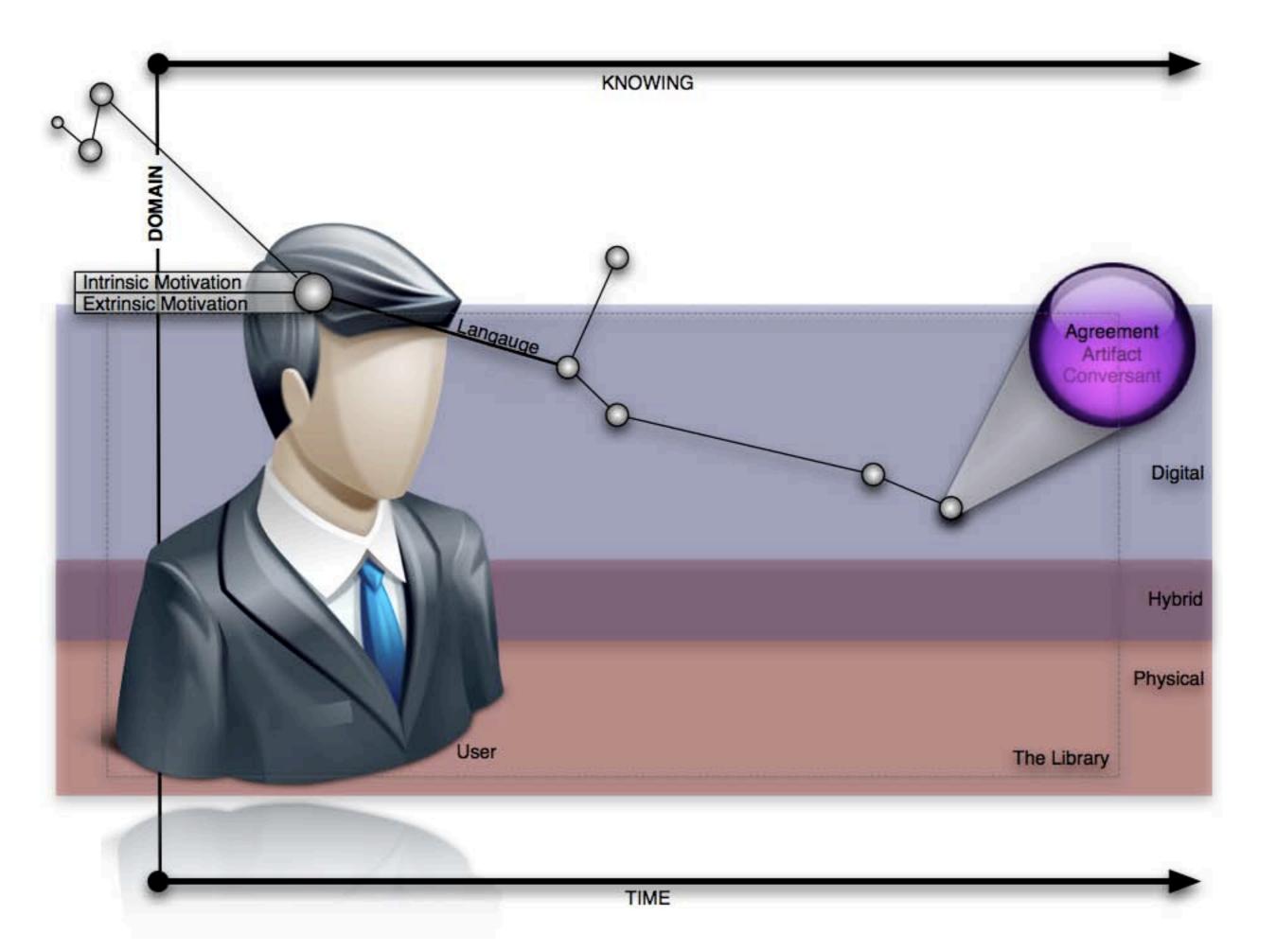


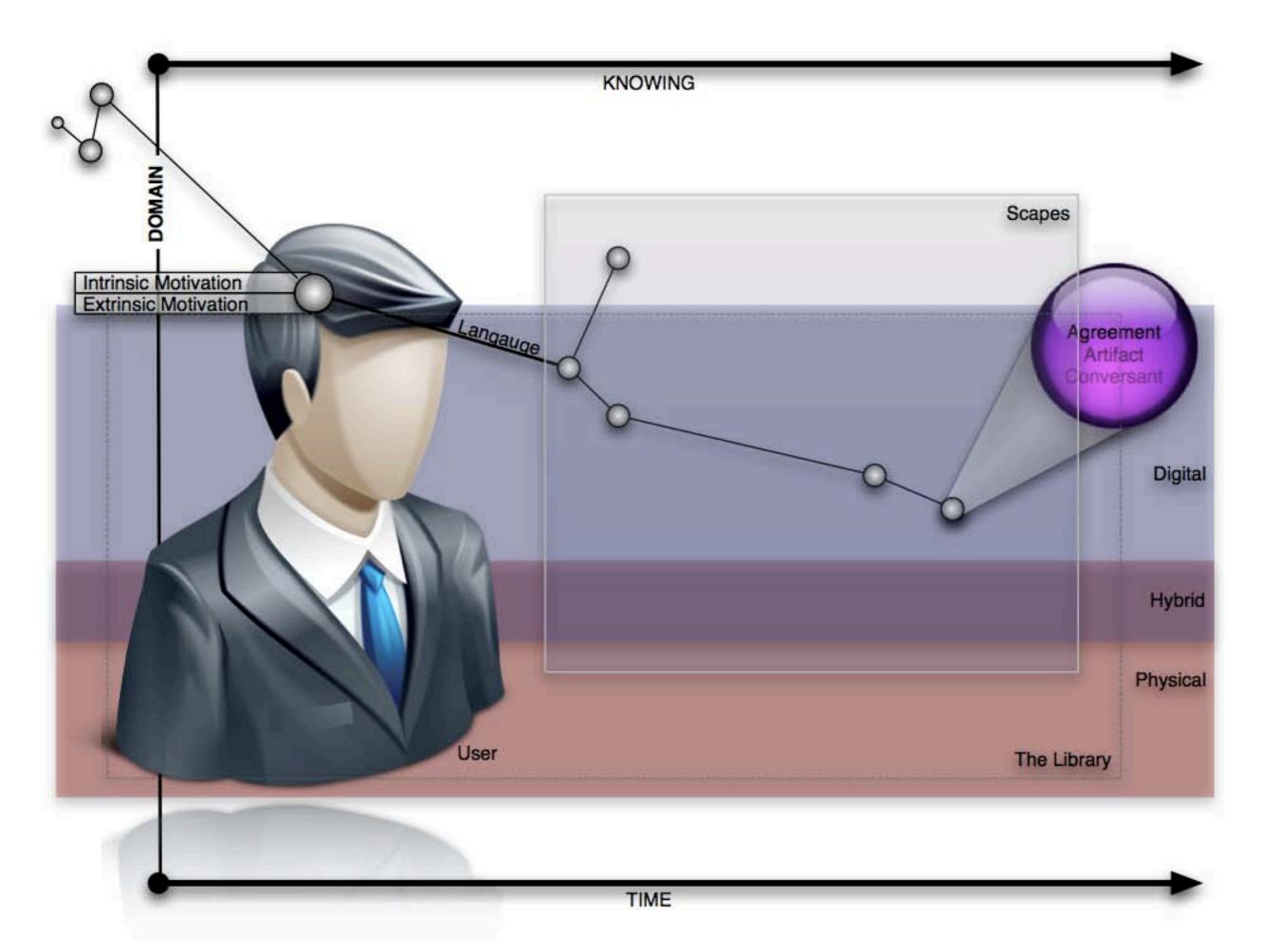




Expert Driven	User Derived	User Built
Loaded with Deep Functionality	Loaded with Deep Functionality	Loaded with Shallow Functionality
Modal	Non-Modal	Highly Customizable
Targeted User	Collaborative	Social
ILS	Operating Systems	Web 2.0

























Spotlight	rich girl
	Show All
Top Hit	Gwen Stefani - Rich Girl (fea
Documents	The Truth Behind Costco Ca mygraph.xml saveResult.xml
Messages	HURRY!!! Join The Best Gold HURRY!!! Join The Best Gold HURRY!!! Join The Best Gold Re: Hello from a Former Stu
Images	<ul> <li>■ 0391 Adobe ID 099ASP9440</li> <li>■ 0143 Adobe ID 164ASP9440</li> <li>■ 0099 Adobe ID 099ASPea36</li> <li>■ 0136 Adobe ID 099ASPea36</li> </ul>
PDF Documents	RG.pdf — 192823 RG.pdf — 192818 RG.pdf — 192811
Webpages	Gwen Stefani – Rich Girl (fea Dee Bradley Baker The Internet Movie Database
Music	☐ 02 Rich Girl.mp3 — 192823 ☐ 02 Rich Girl.mp3 — 192818
	☐ 02 Rich Girl.mp3 — 192811





















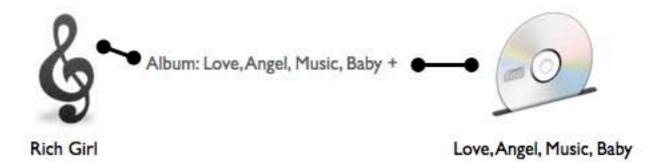










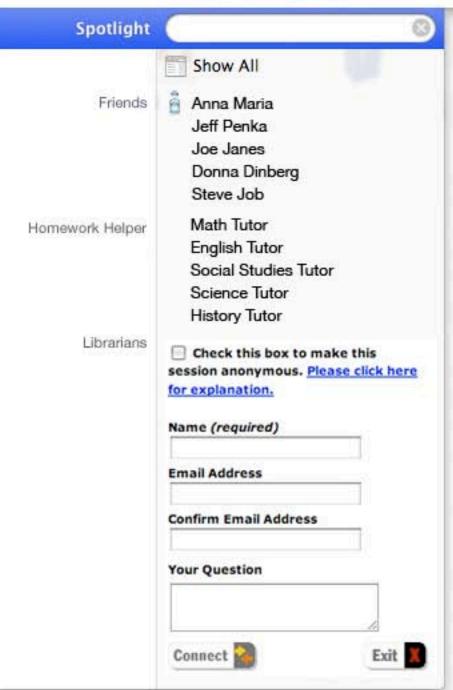


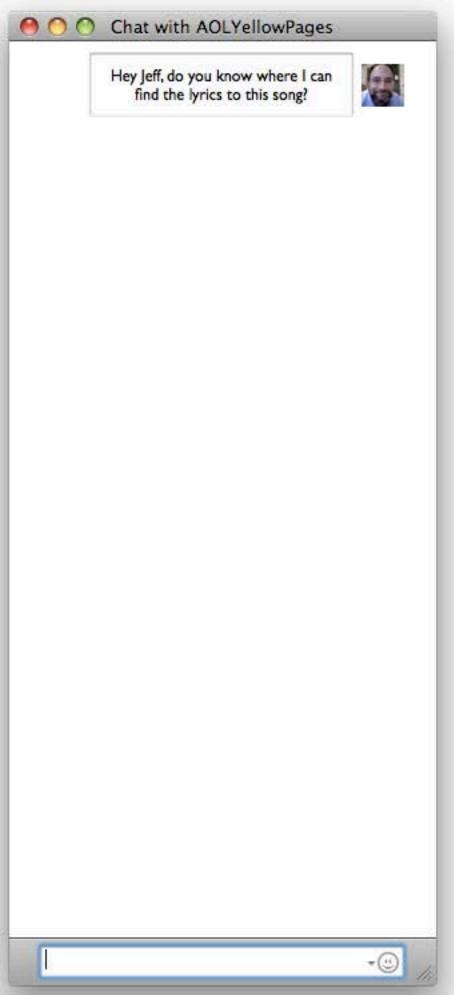












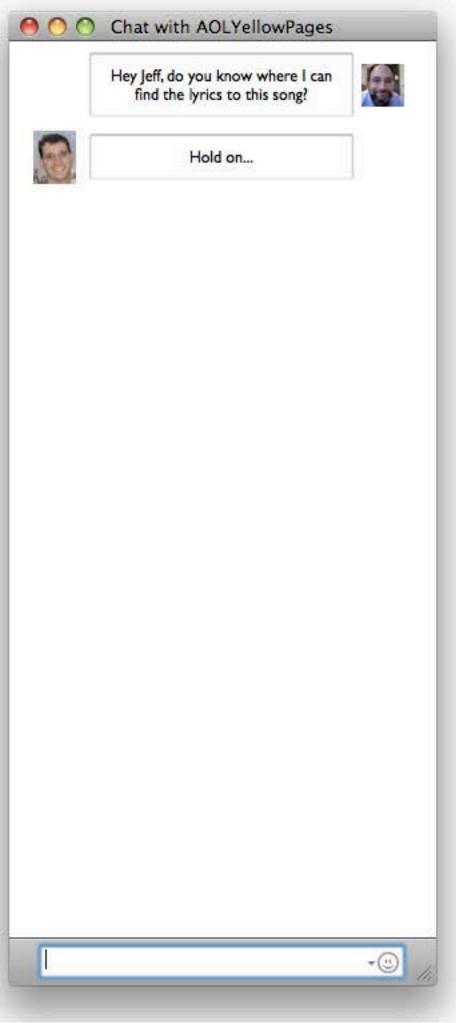








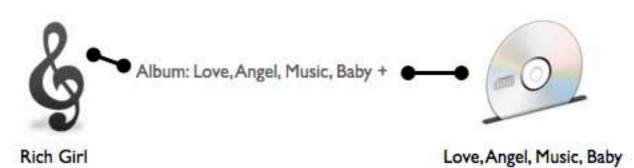
Rich Girl Love, Angel, Music, Baby













Hey Jeff, do you know where I can find the lyrics to this song?



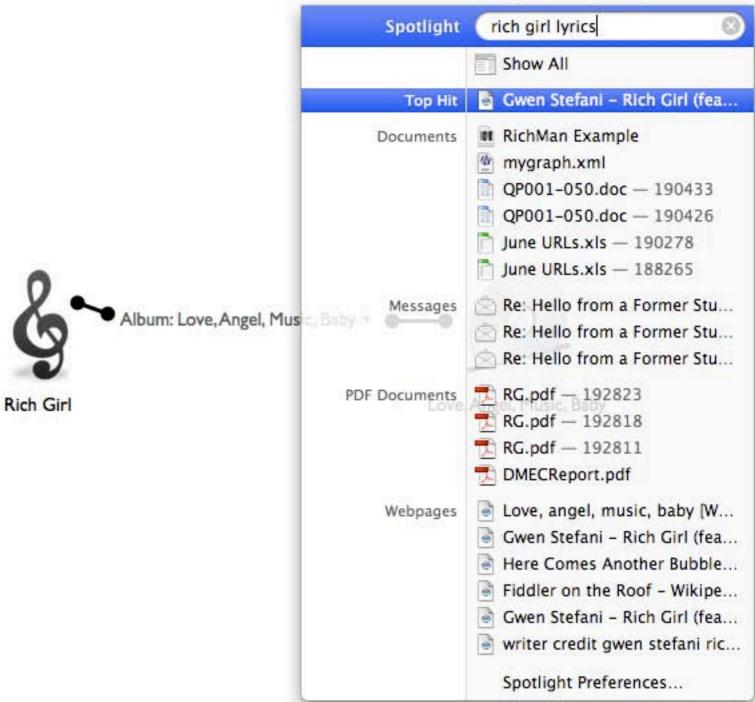


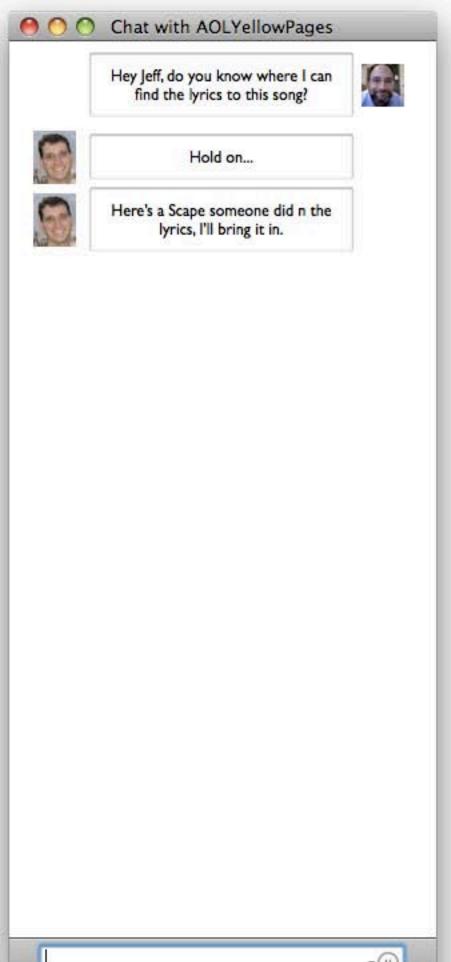
Hold on...







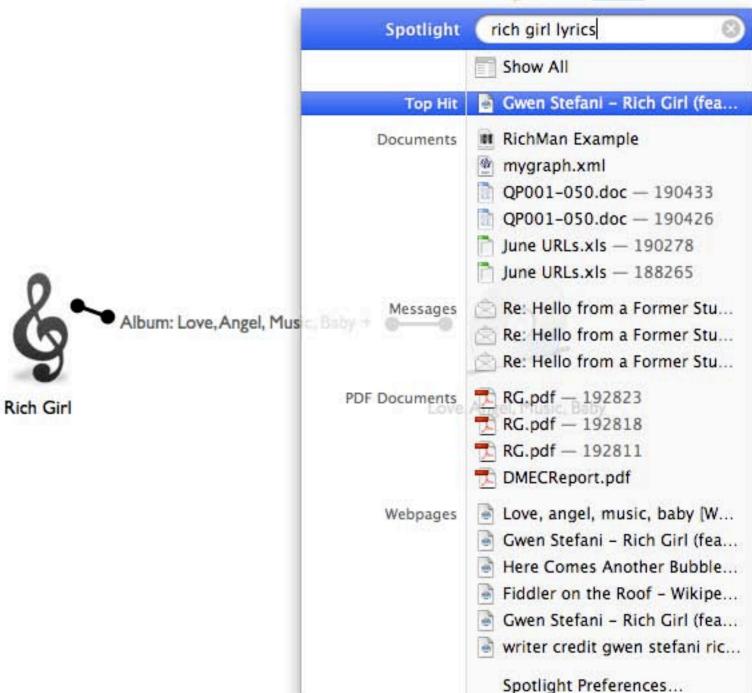


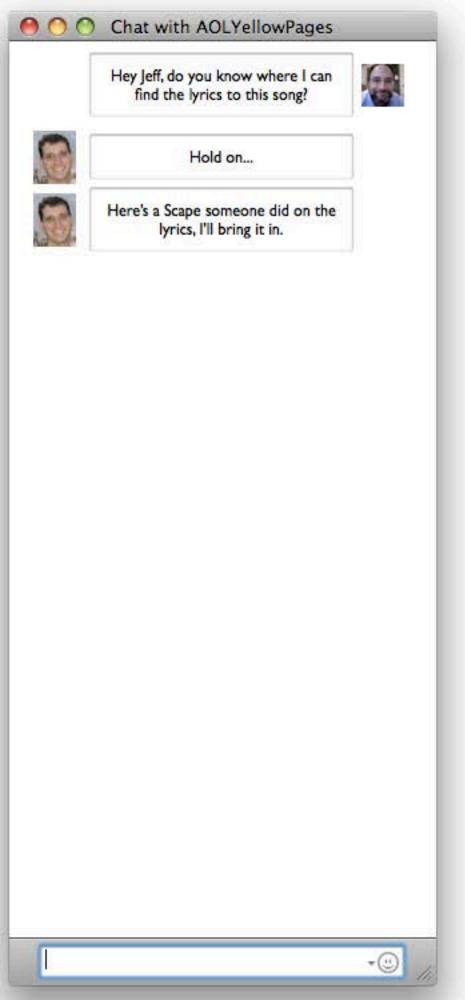




















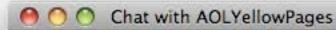


Rich Girl









Hey Jeff, do you know where I can find the lyrics to this song?





Hold on...



Here's a Scape someone did on the lyrics, I'll bring it in.



Rich Girl











If I was a rich girl (na, na....)

See, I'd have all the money in the world, if I was a wealthy girl

No man could test me, impress me, my cash flow would never ever end

Cause I'd have all the money in the world, if I was a wealthy girl

Think what that money could bring
I'd buy everything
Clean out Vivienne Westwood
In my Galliano gown
No, wouldn't just have one hood
A Hollywood mansion if I could
Please book me first-class to my fancy house in London town

All the riches baby, won't mean anything

All the riches baby, won't bring what your love can bring

All the riches baby, won't mean anything

Don't need no other baby

Your lovin' is better than gold, and I know

If I was rich girl (na, na...)

See, I'd have all the money in the world, if I was a wealthy girl

No man could test me, impress me, my cash flow would never ever end

Cause I'd have all the money in the world, if I was a wealthy girl

I'd get me four Harajuku girls to (uh huh)
Inspire me and they'd come to my rescue
I'd dress them wicked, I'd give them names (yeah)
Love, Angel, Music, Baby
Hurry up and come and save me

All the riches baby, won't mean anything

All the riches baby, won't bring what your love can bring

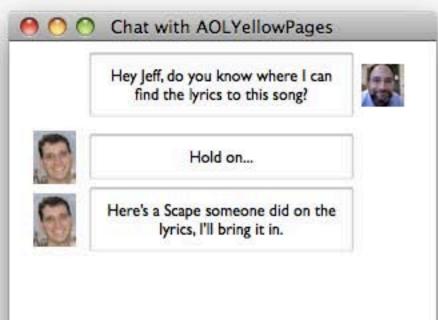
All the riches baby, won't mean anything

Don't need no other baby

Your lovin' is better than gold, and I know

[Eve]

Come together all over the world
From the hoods of Japan, Harajuku girls
What, it's all love
What, give it up
What (shouldn't matter 4x), what

















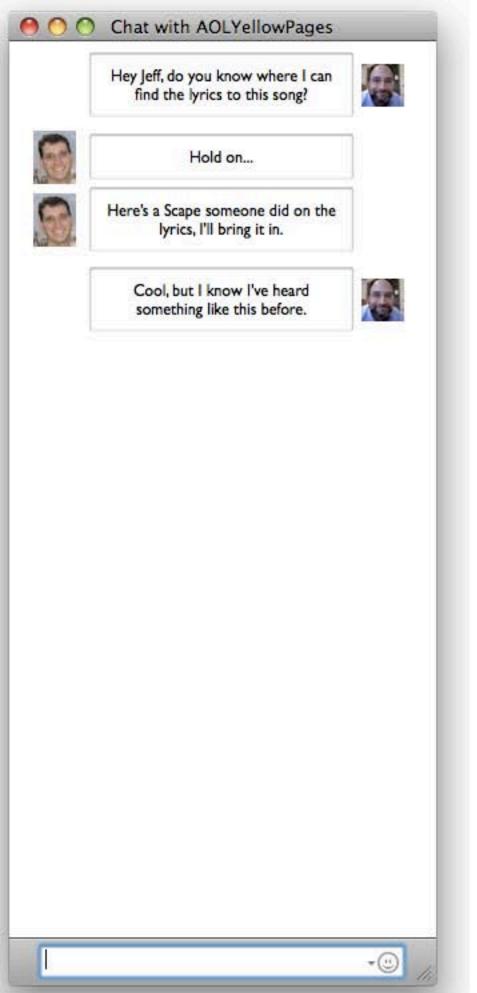






"See Stefani and her L.A.M.B., I rock the Fetish" +

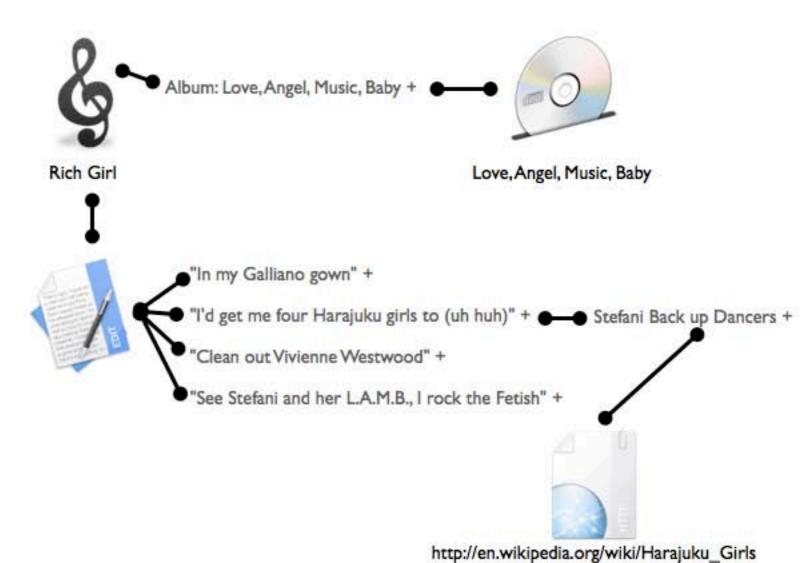
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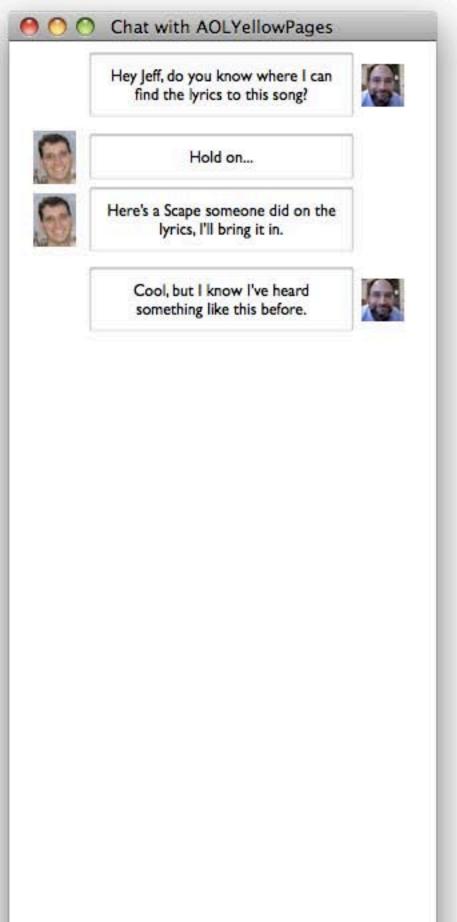








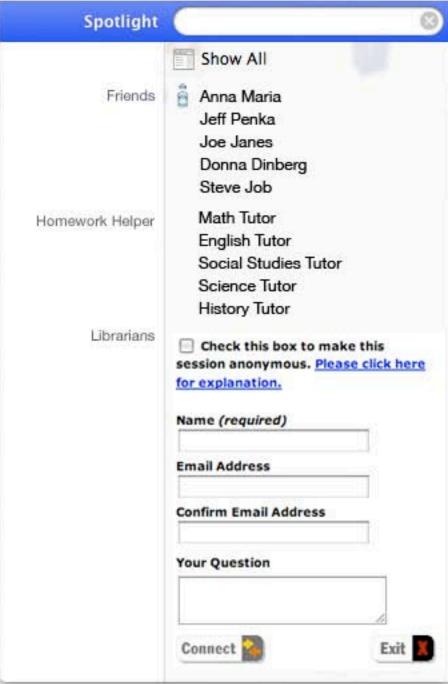












Album: Love, Angel,

"In my Galliano g

"I'd get me four I

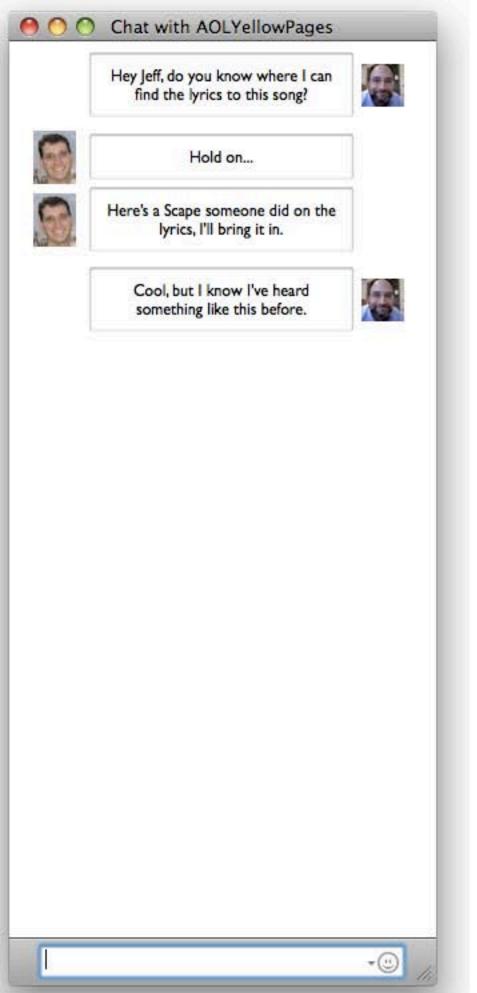
Clean out Vivier

See Stefani and

Rich Girl



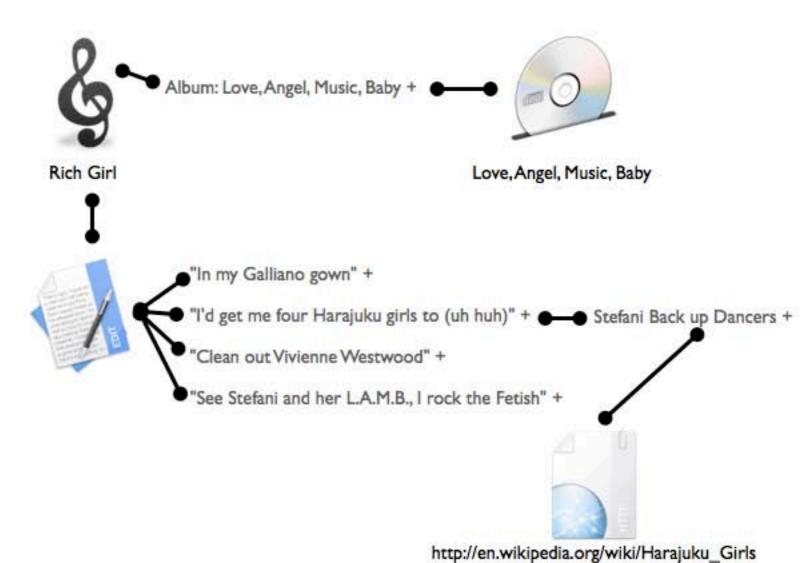
http://en.wikipedia.org/wiki/Harajuku\_Girls

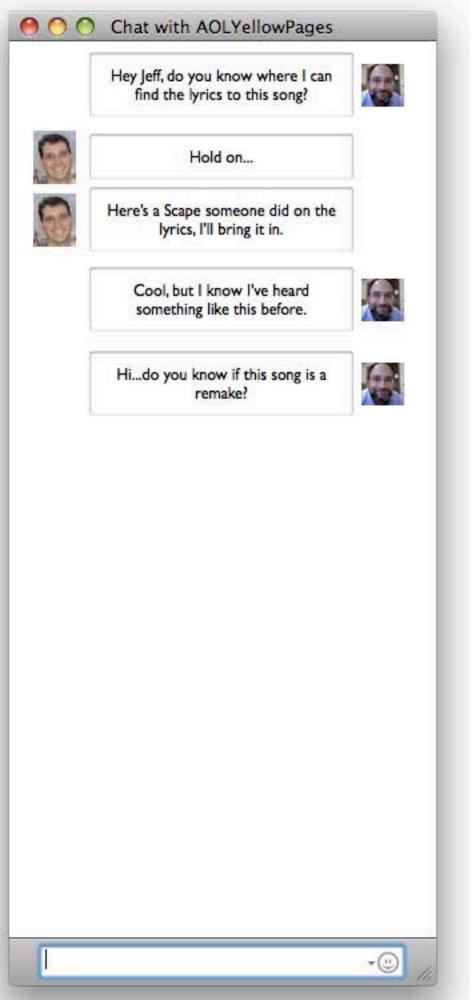










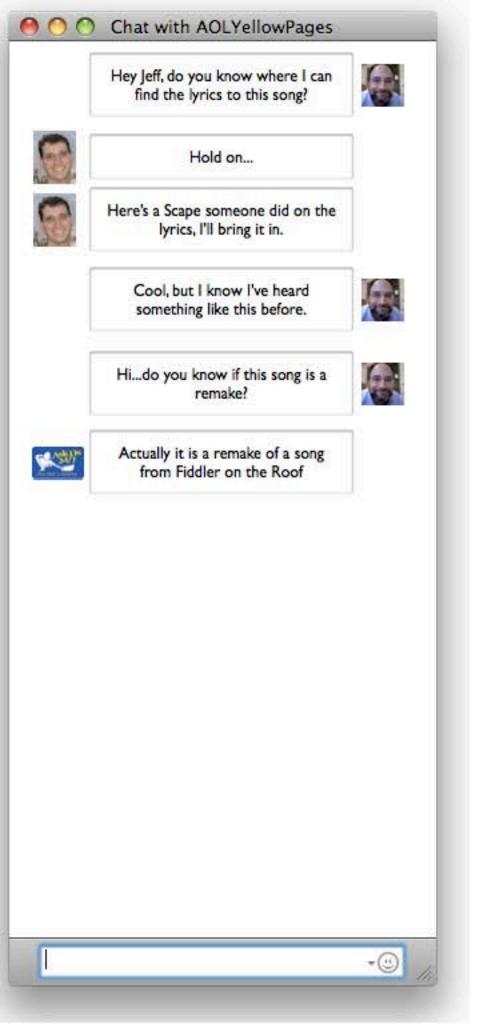












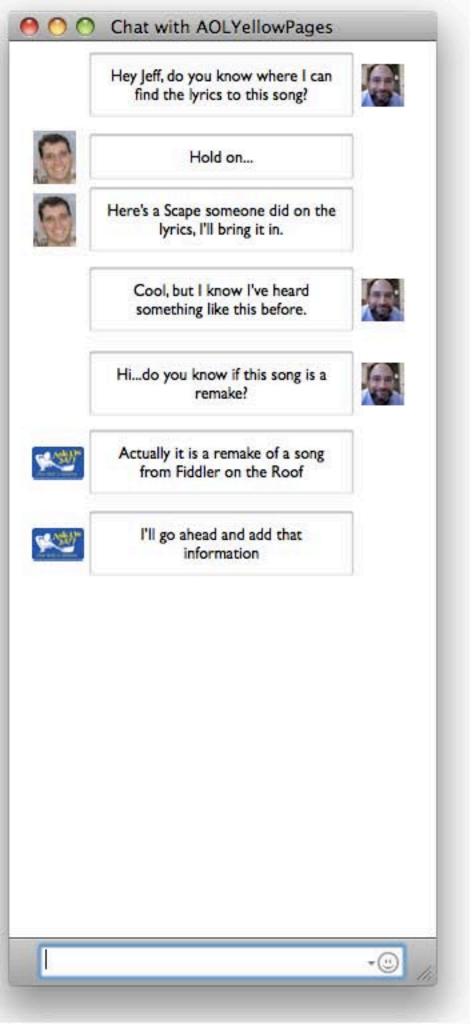


http://en.wikipedia.org/wiki/Harajuku\_Girls









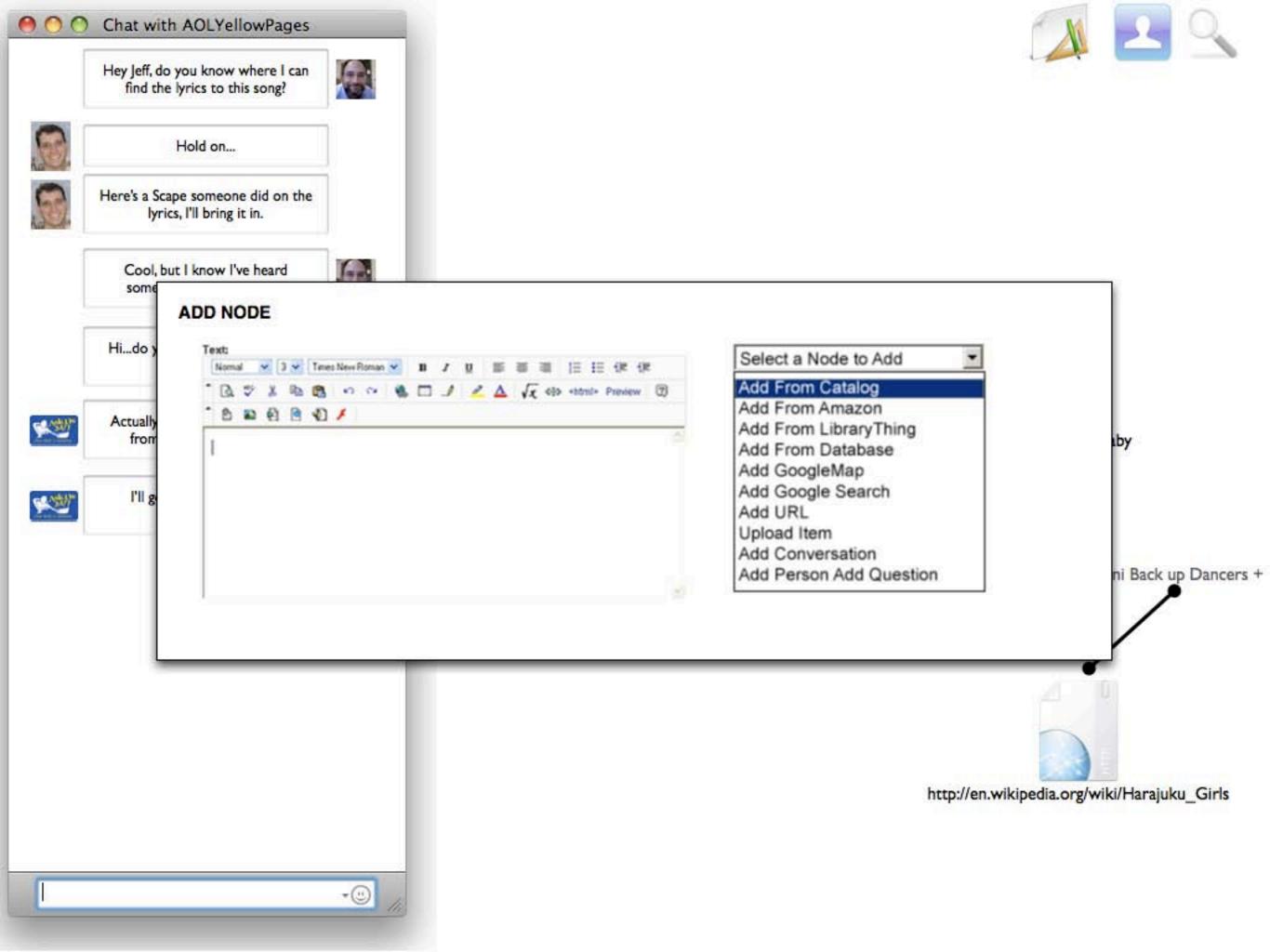


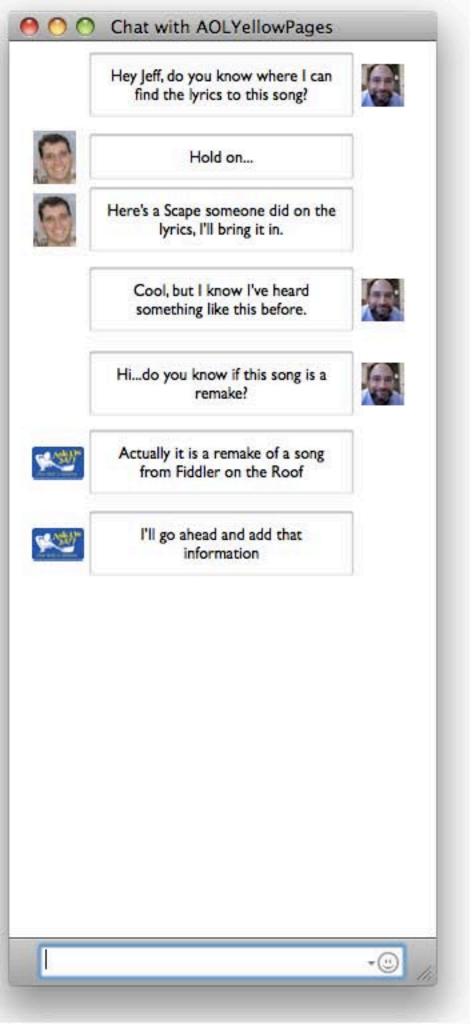
http://en.wikipedia.org/wiki/Harajuku\_Girls







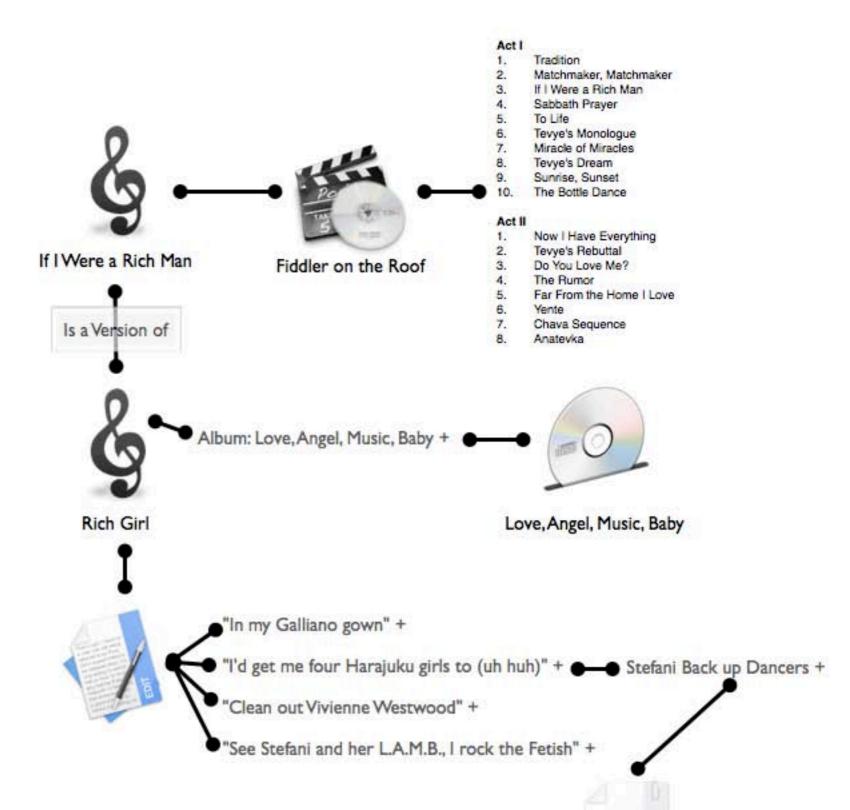


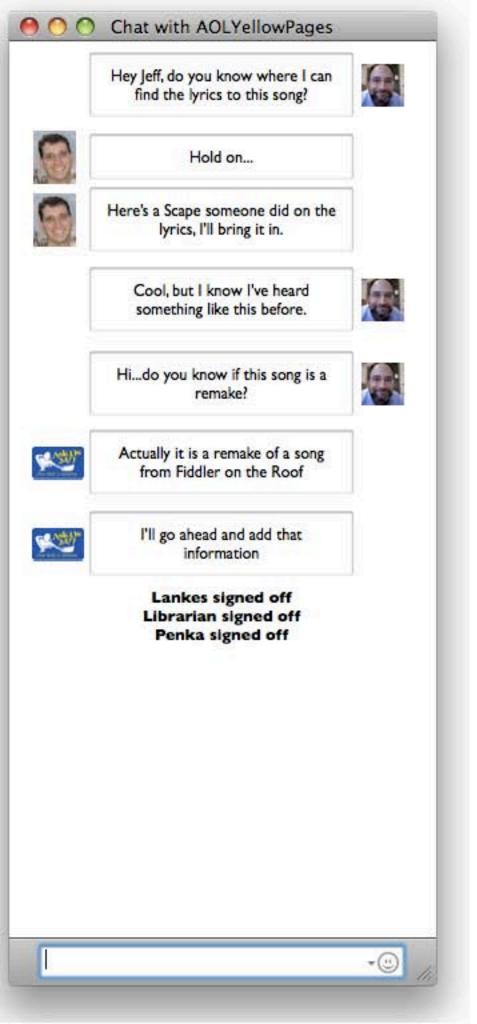








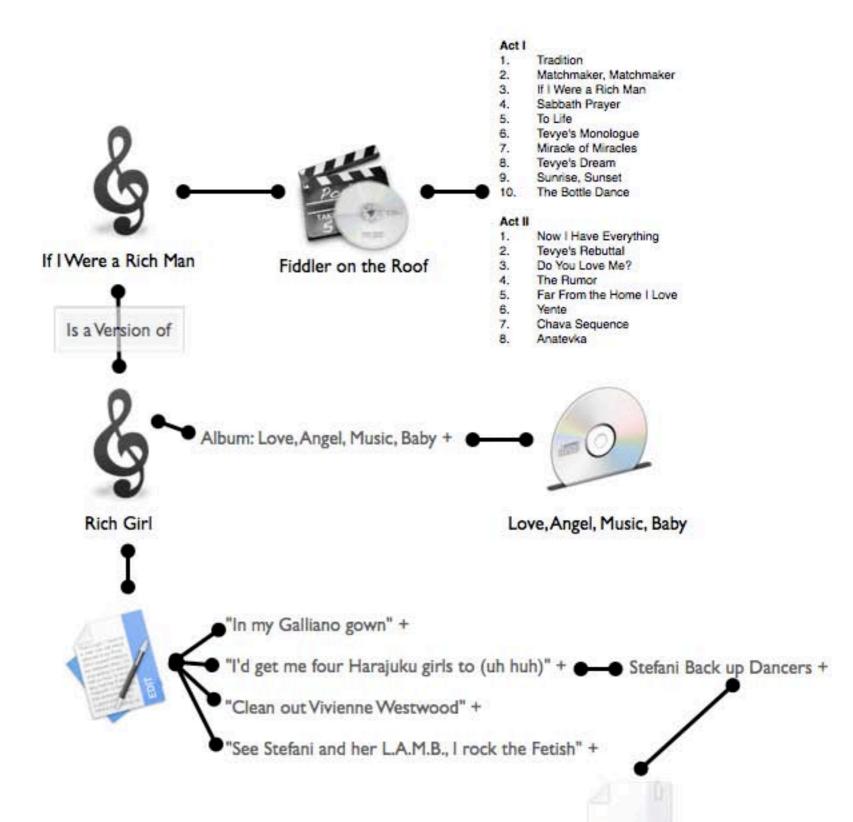


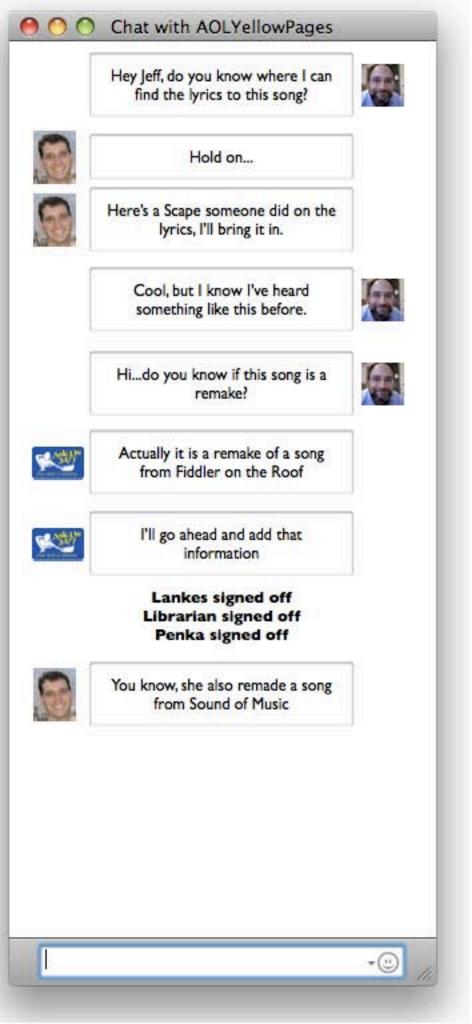








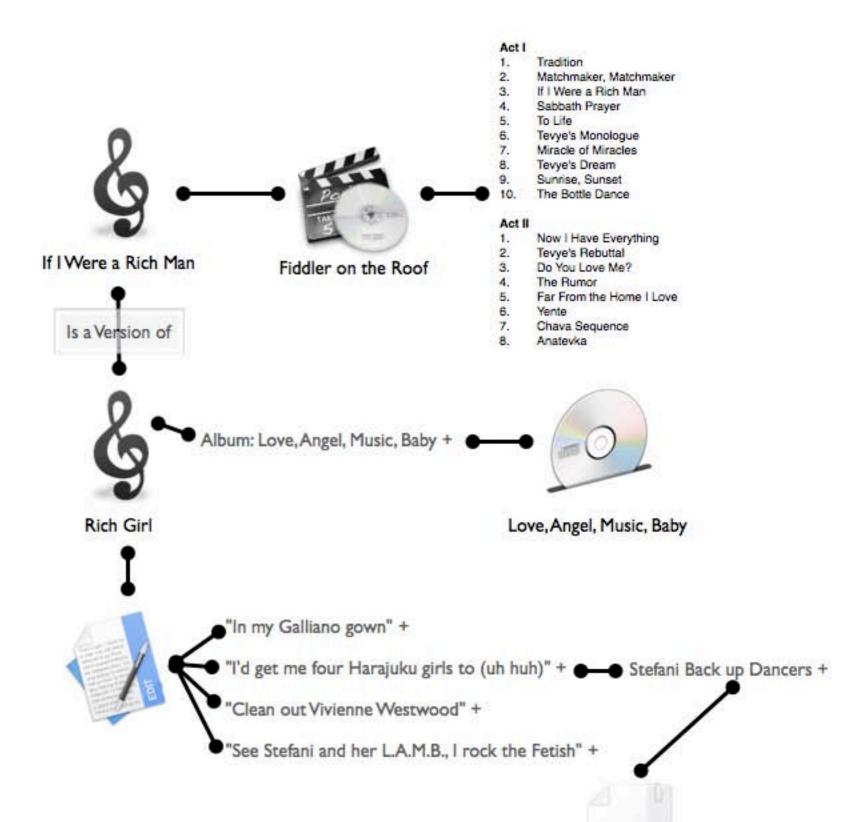


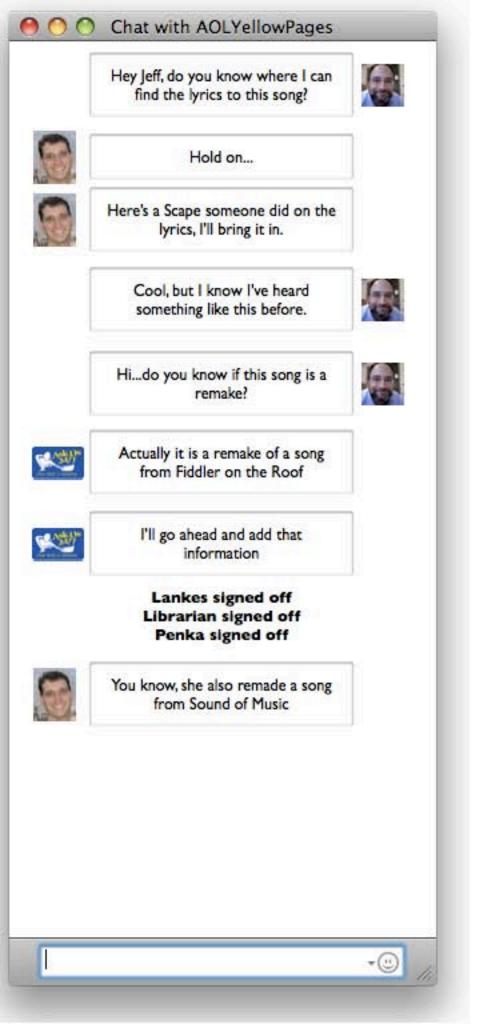








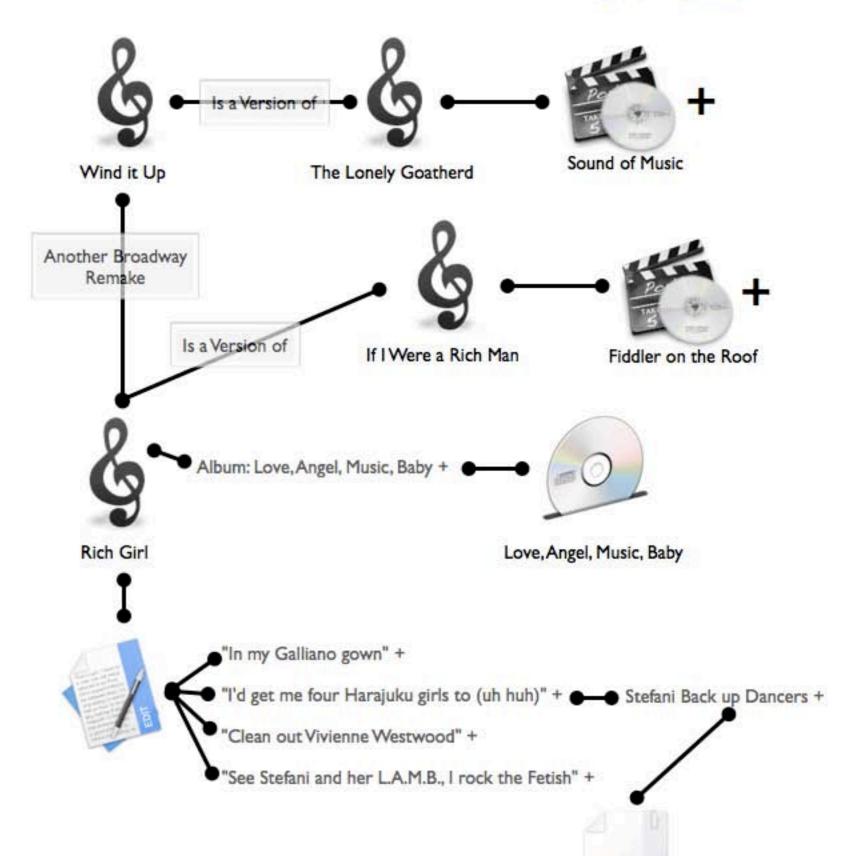


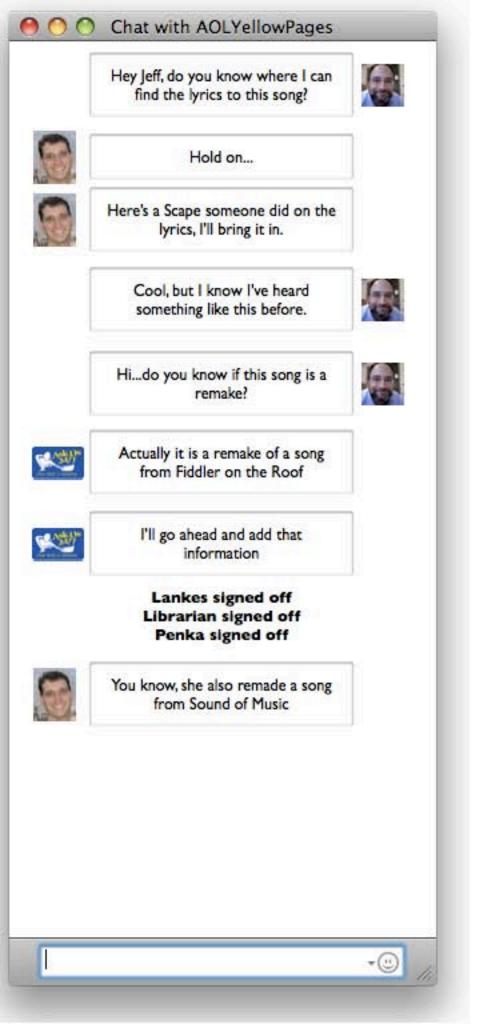








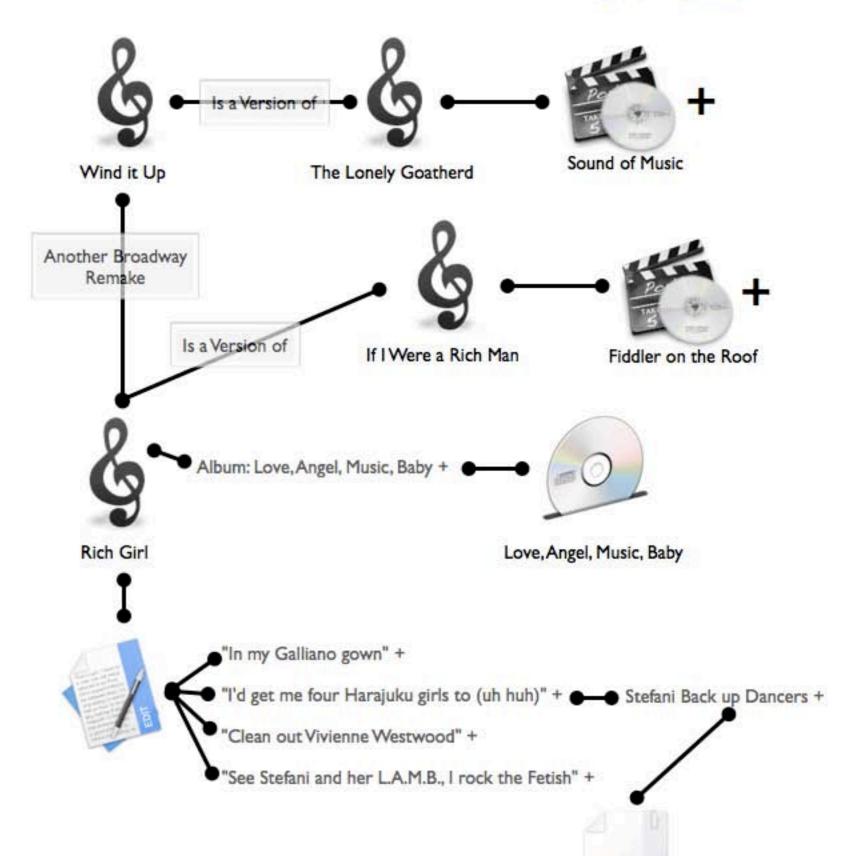


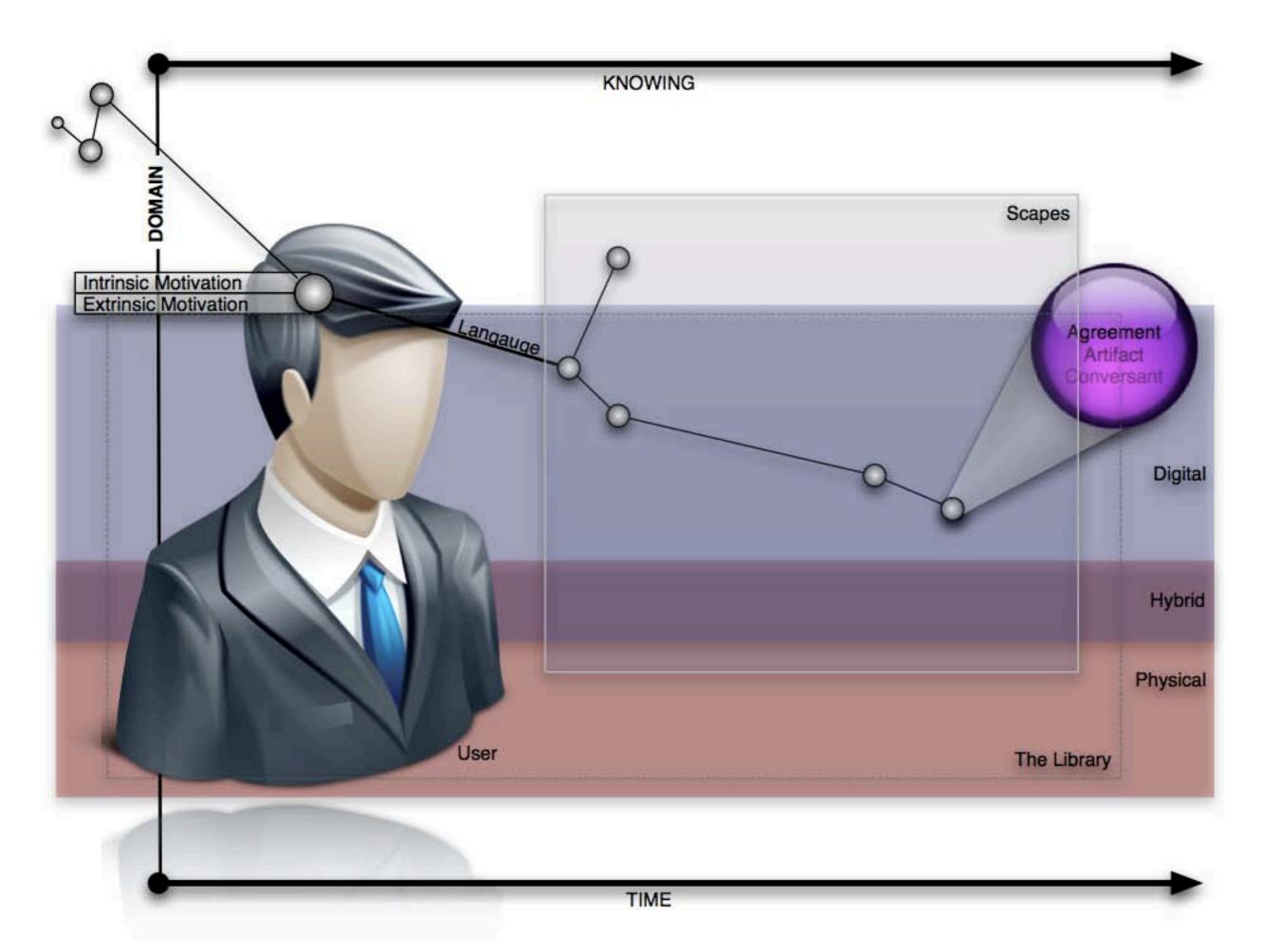


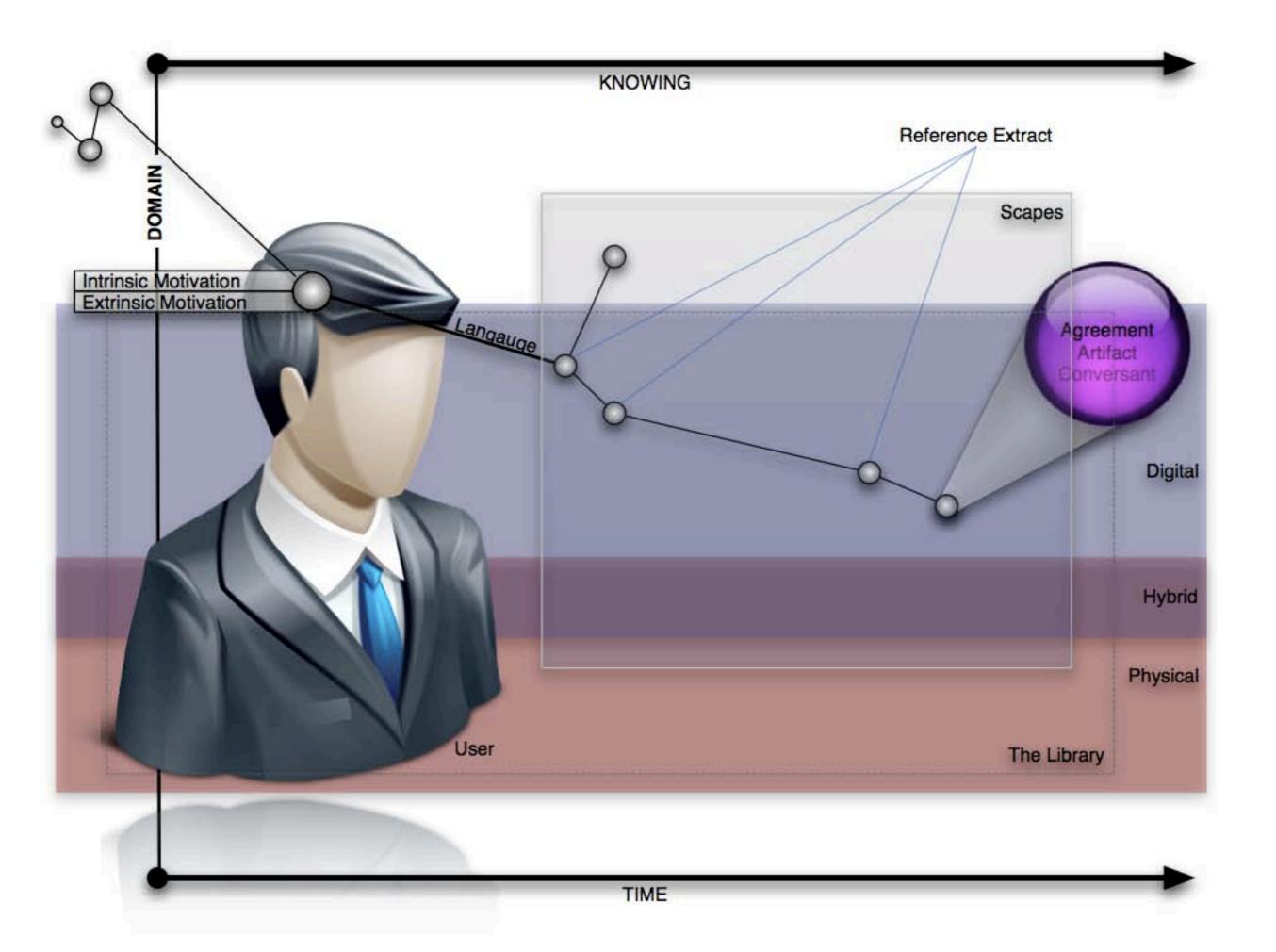




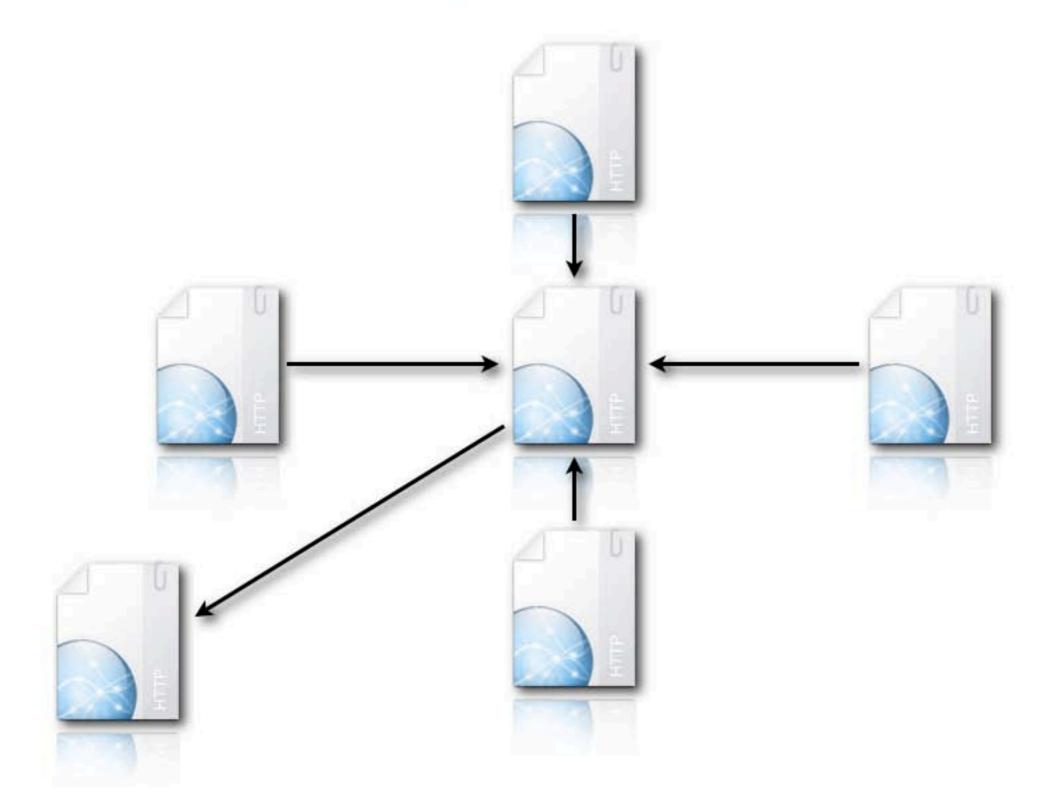




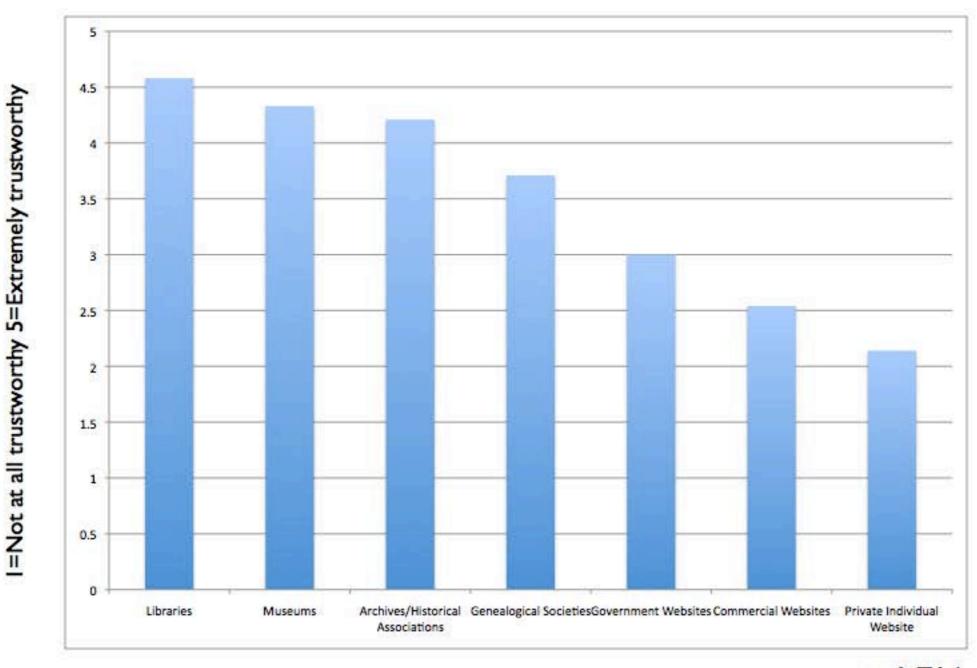




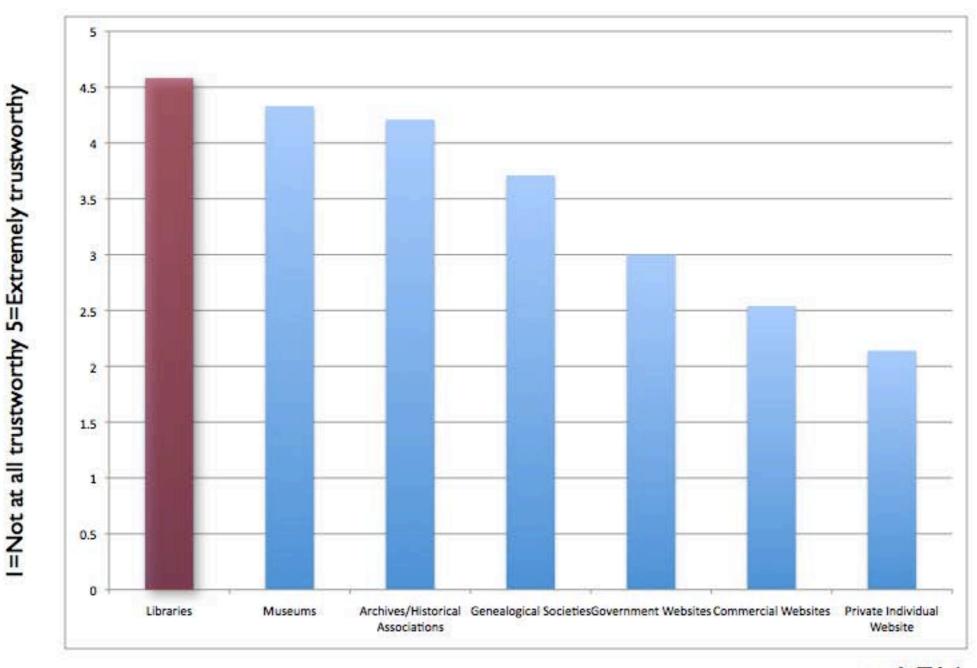
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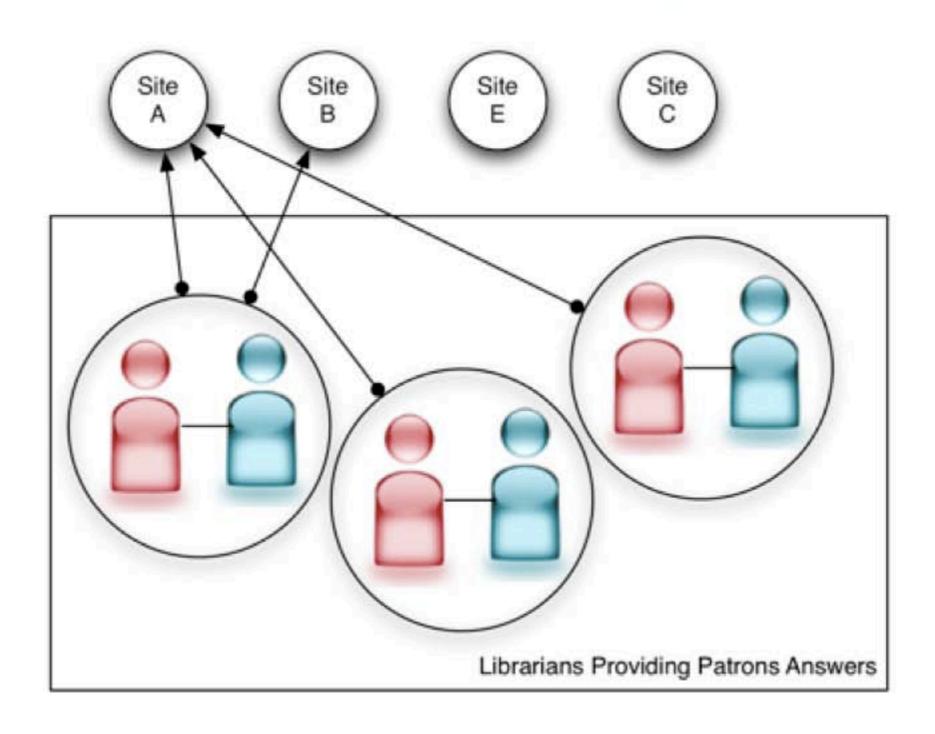
### Trustworthy



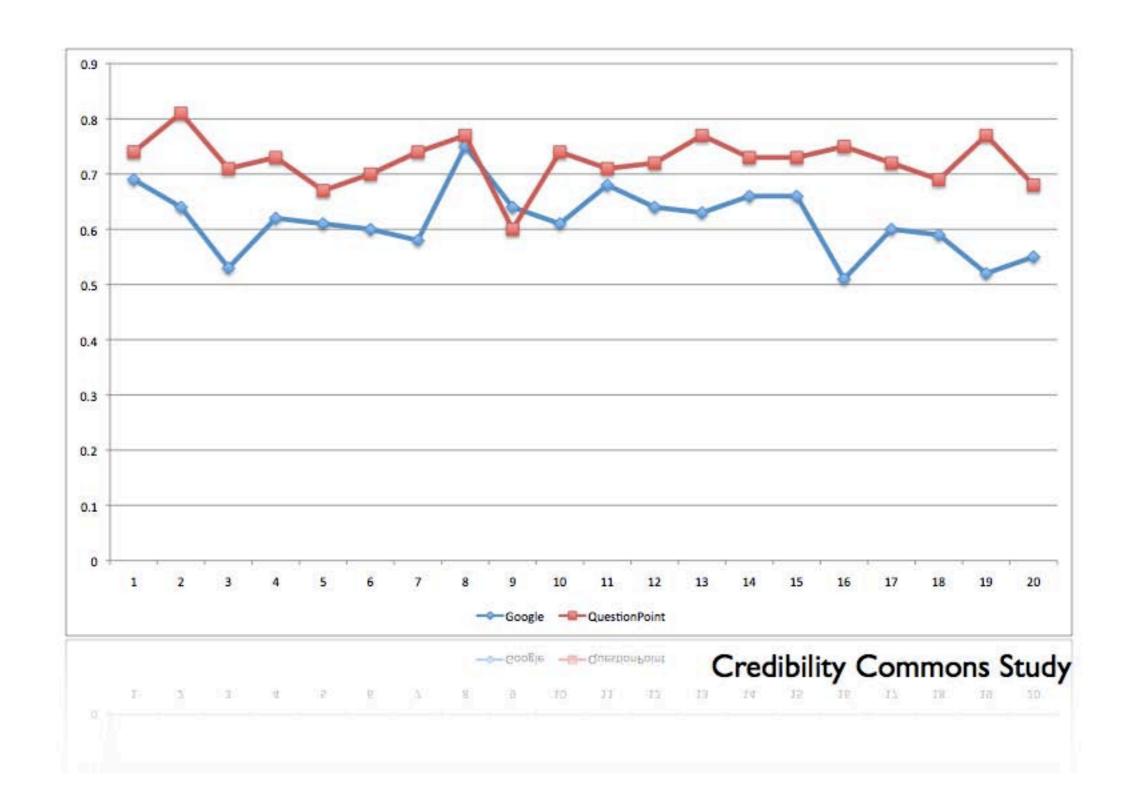
### Trustworthy



### Reference Weighting



### Commons Pre-Test



### Reference EXTRACT



Design Reference Only



Sort by Catagories Hits 1-20 (out of about 57 total matching pages):

Am Lit-up frogs

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Science Frogs' Hearing

... Column \* April 25, 2001\* Albuquerque Frogs' Hearing Q: What structures doesFrogs' Hearing Copyright 2001 , all rights ... http://www.wonderquest.com/FrogHearing.htm (cached) (anchors) (more from www.wonderquest.com)

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... the Experts: Biology: How do frogs survive winter? Why don't ...
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Scientific American: How do frogs survive winter? Why don't they freeze to death?

... Scientific American: How do frogs survive winter? Why don't ...
http://www.sciam.com/print\_version.cfm?articleID=0009018D-6EDB-1C72-9EB7809EC588F2D7 (cached) (anchors)

Expanded Preview (about 156 total matching pages)

### Books about Frogs & Toads

... Of the World Series) Frogs (First Discovery Book) Frogs and Touds and ... Books about Frogs ...

http://bickyardismire.net/amazon/frogs\*.htm.

### Exploratorium: Frogs

... Exploratorism: Frogs. The Frogs exhibition run at the ... Page. The two bottom frogs are both African Reed Frogs ... http://exploratorism.edu/frogs/index.html

### Coqui & greenhouse frogs: alien Caribbean frogs in Hawaii

... Coqui & greethouse frogs: alien Caribbean frogs in Hawaii Coqui ... people, environment Non-native Caribbean frogs ...

http://bear.org/AlienSpeciesInflowsii/species/frags/

### Aristophanes, 1909-14. The Frogs. Vol. 8, Part 9. The Harvard Classics

... 1908-14. The Frugs. Vol. 8, Part 9. The .... http://turtlely.com/8/9/

### USGS Learning Web :: Project Ideas :: Frogwatch

... are More Than Skin-deep Frogs Forever Deformed Frogs in Minnewsta Live ... animals and plants. Amphibians ( ... http://interactive2.mgs.gov/learningweb/students/ frogwarch.htm.

### The Umbrella Coloring Mural

-- props for smaller animals, frogs, and insects. If --

http://www.junbrett.com/mural\_umbrella/ umbrella\_mural.htm

### Interesting animals

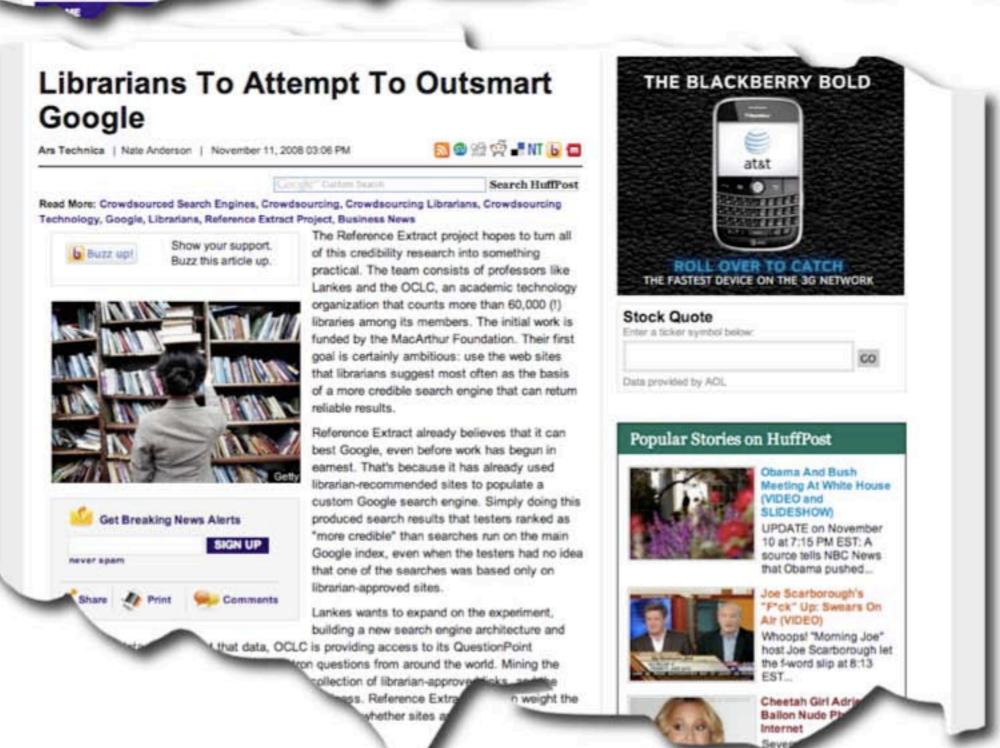
... witers and even other frugs. Some frugs are tiny but the ... was not so domestic. Adult frugs ... http://didjooknew.ed/animals/animals.htm

Scientific American: New do frogs survive winter? Why don't they treate to death?

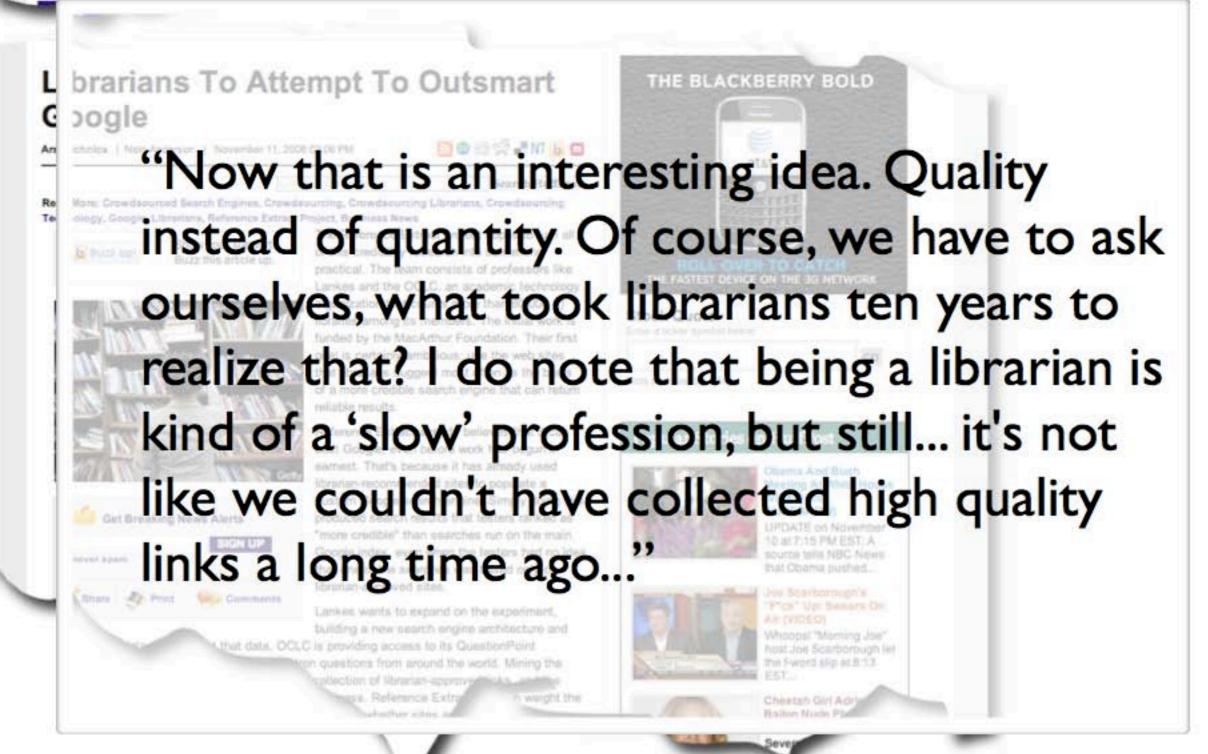
— Scientific American: How do frogs survive winter? Why don't ...

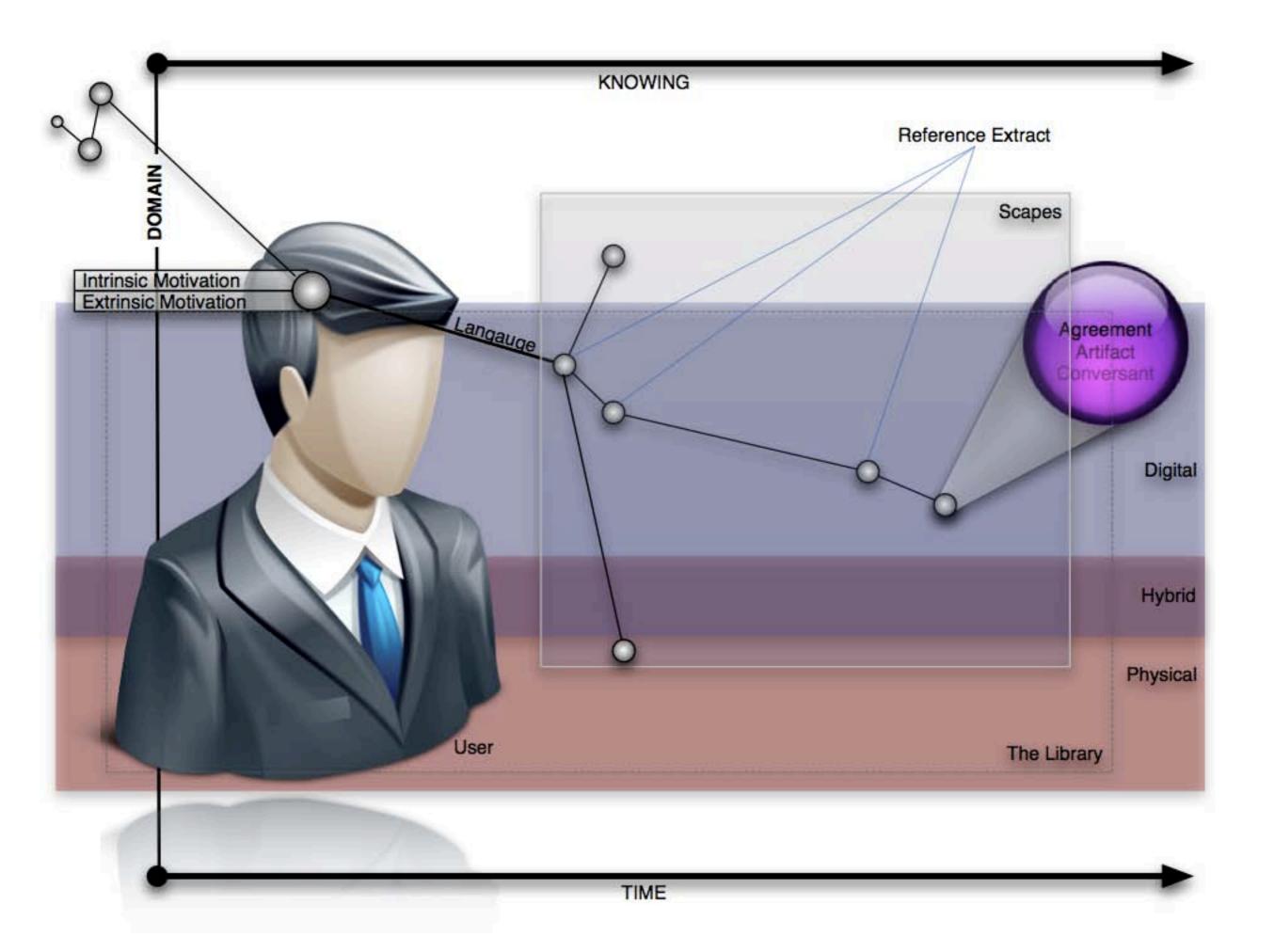
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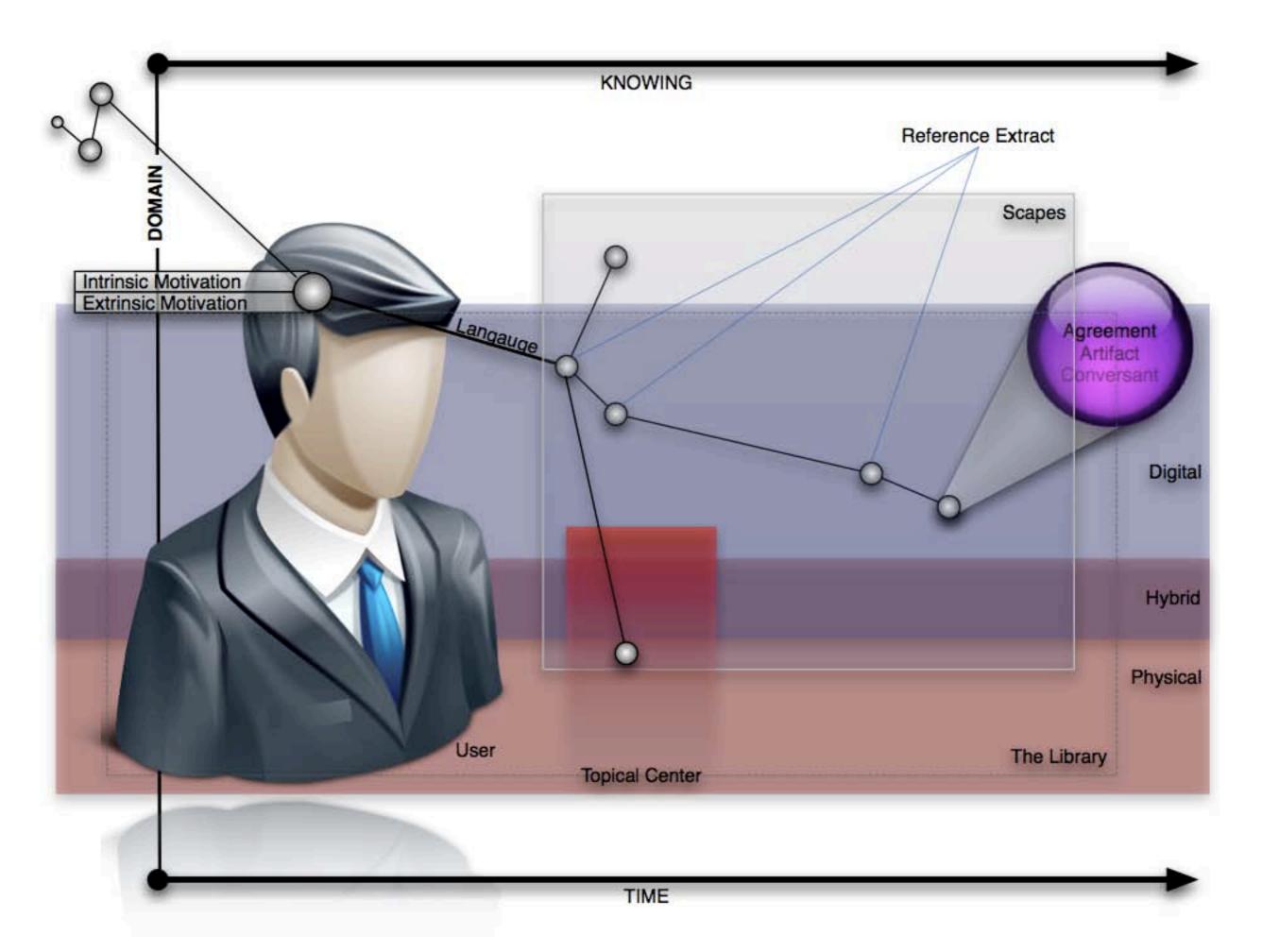


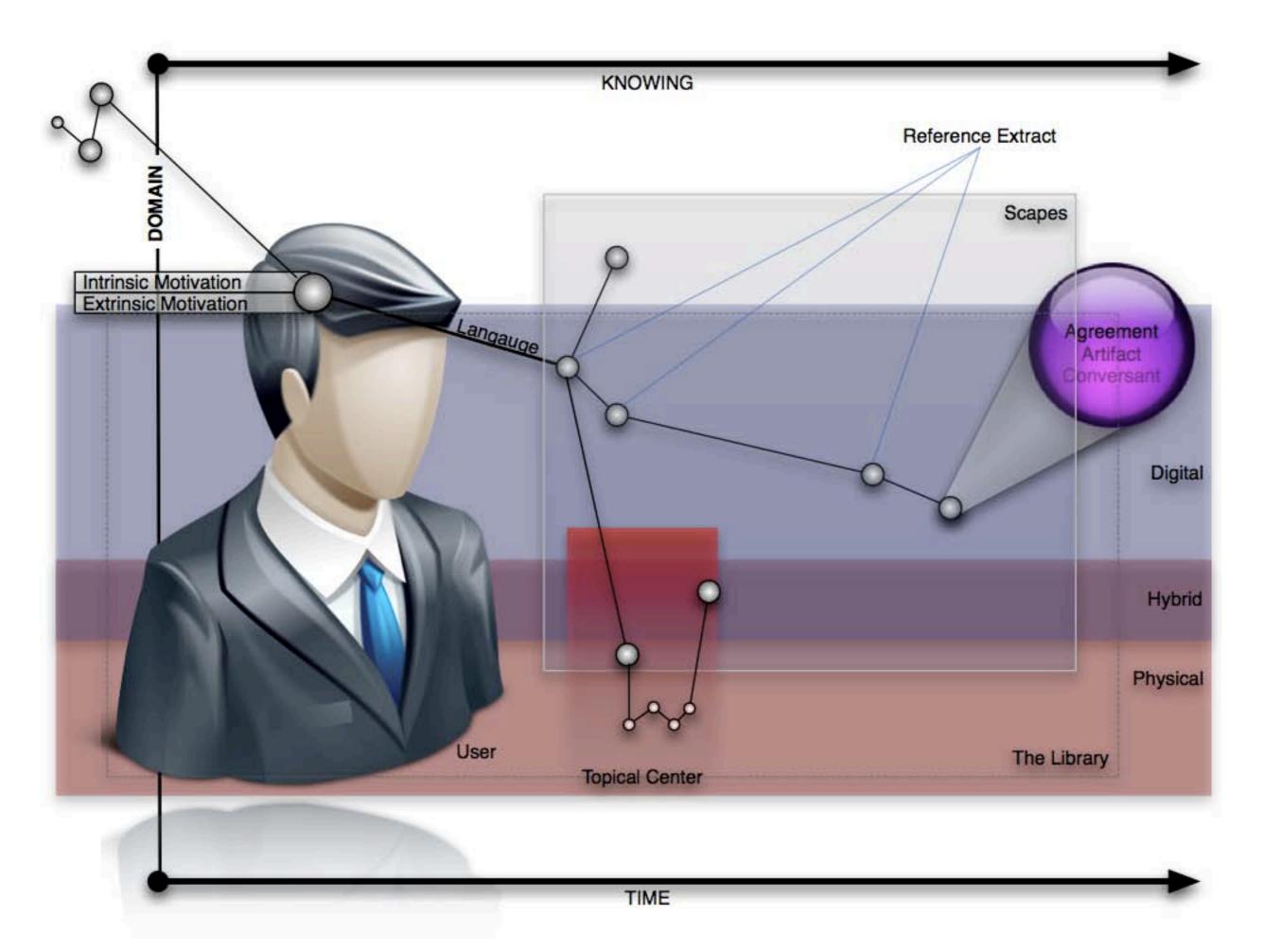


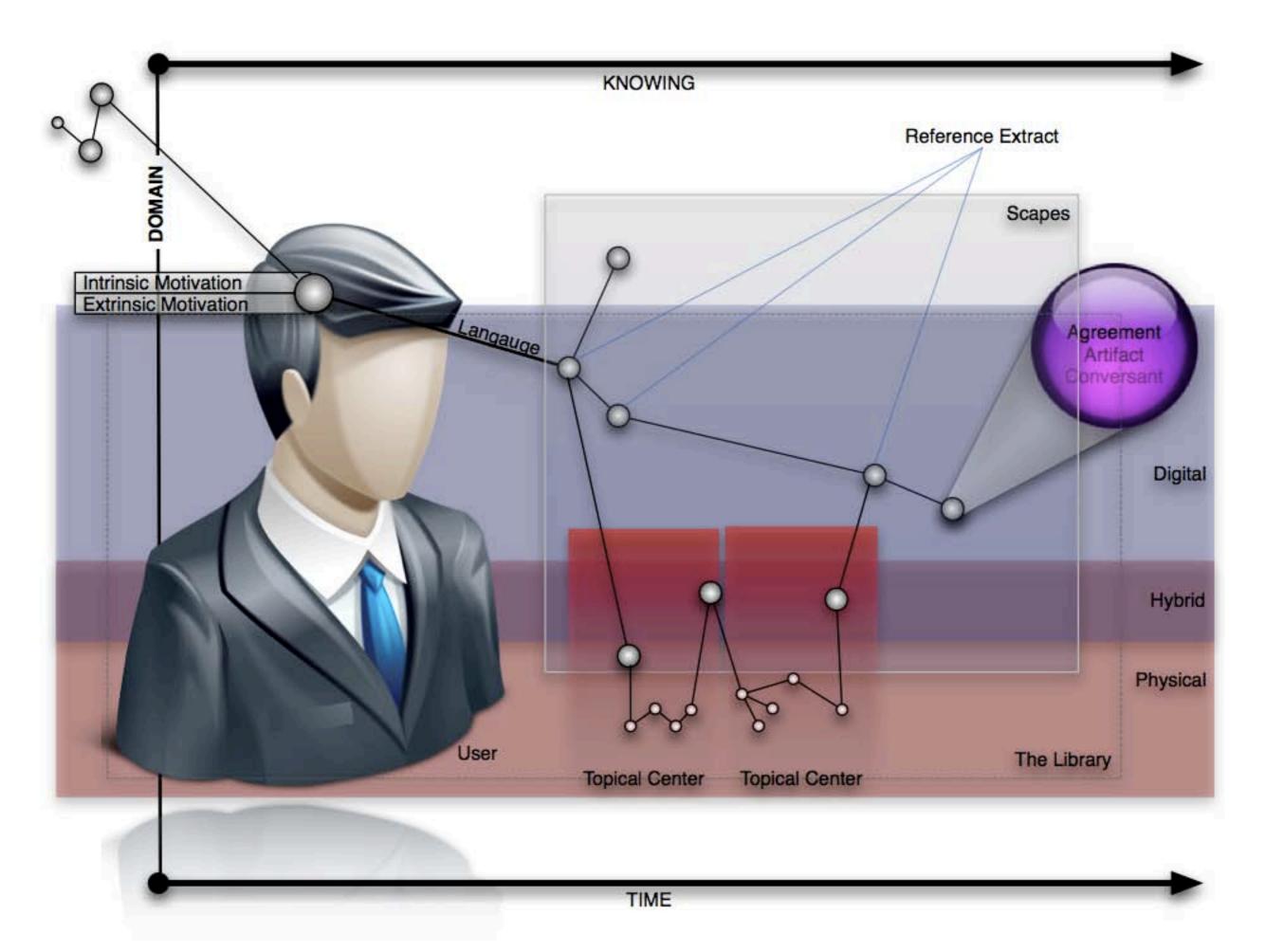


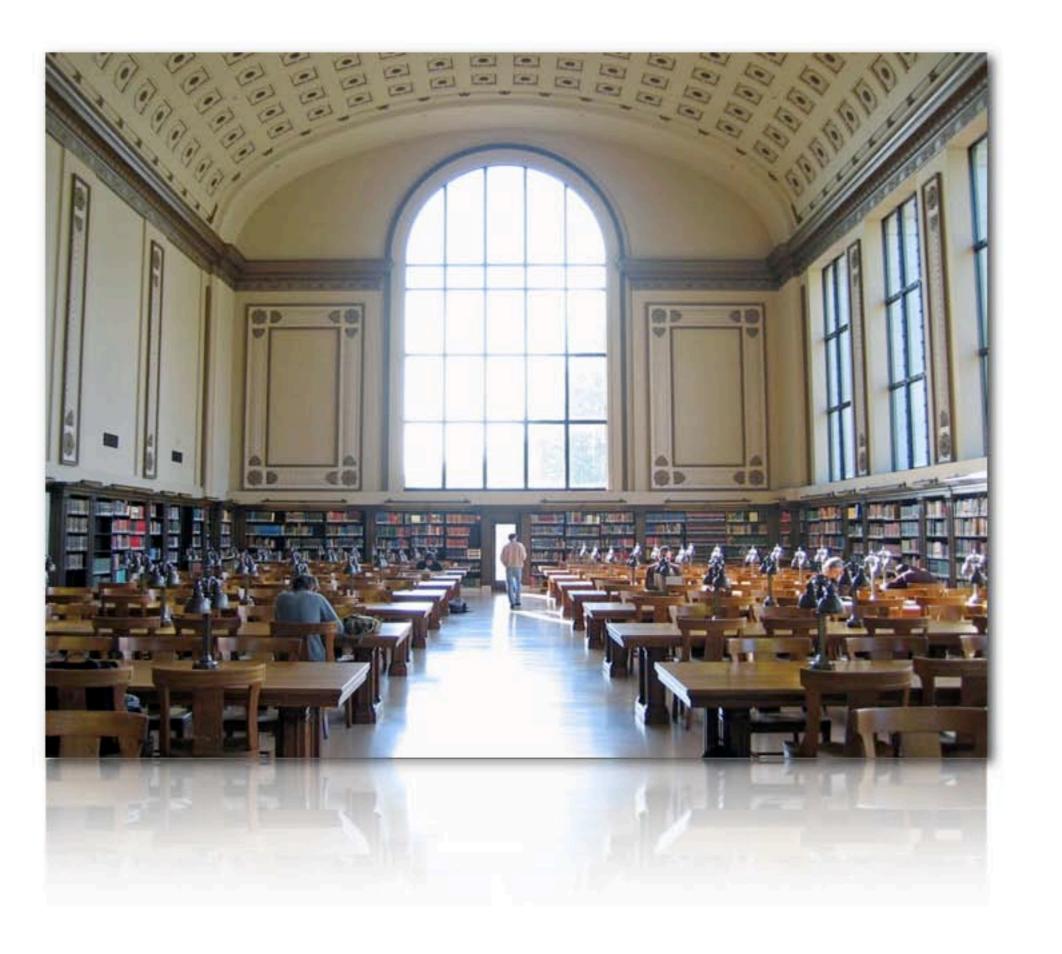








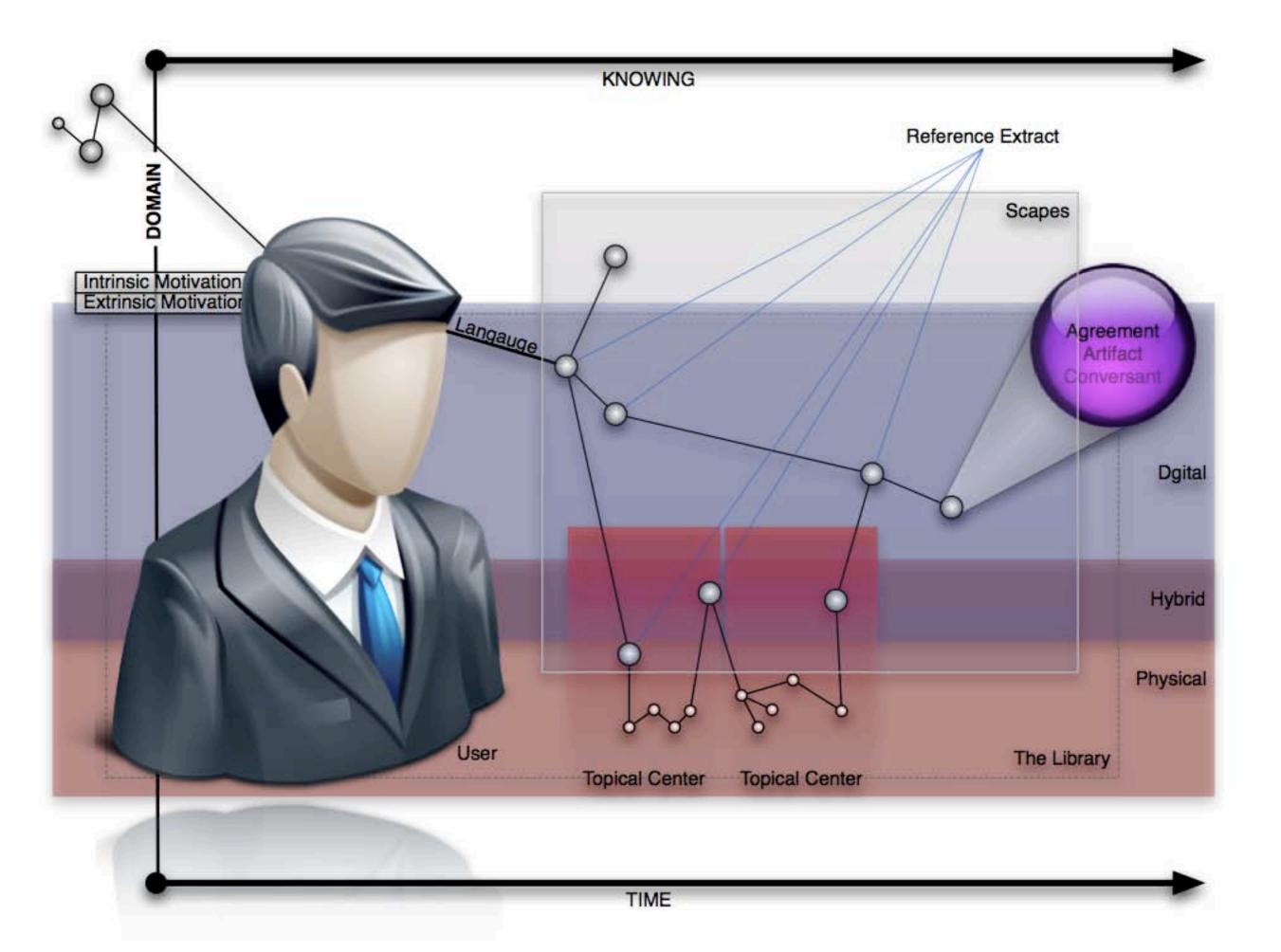








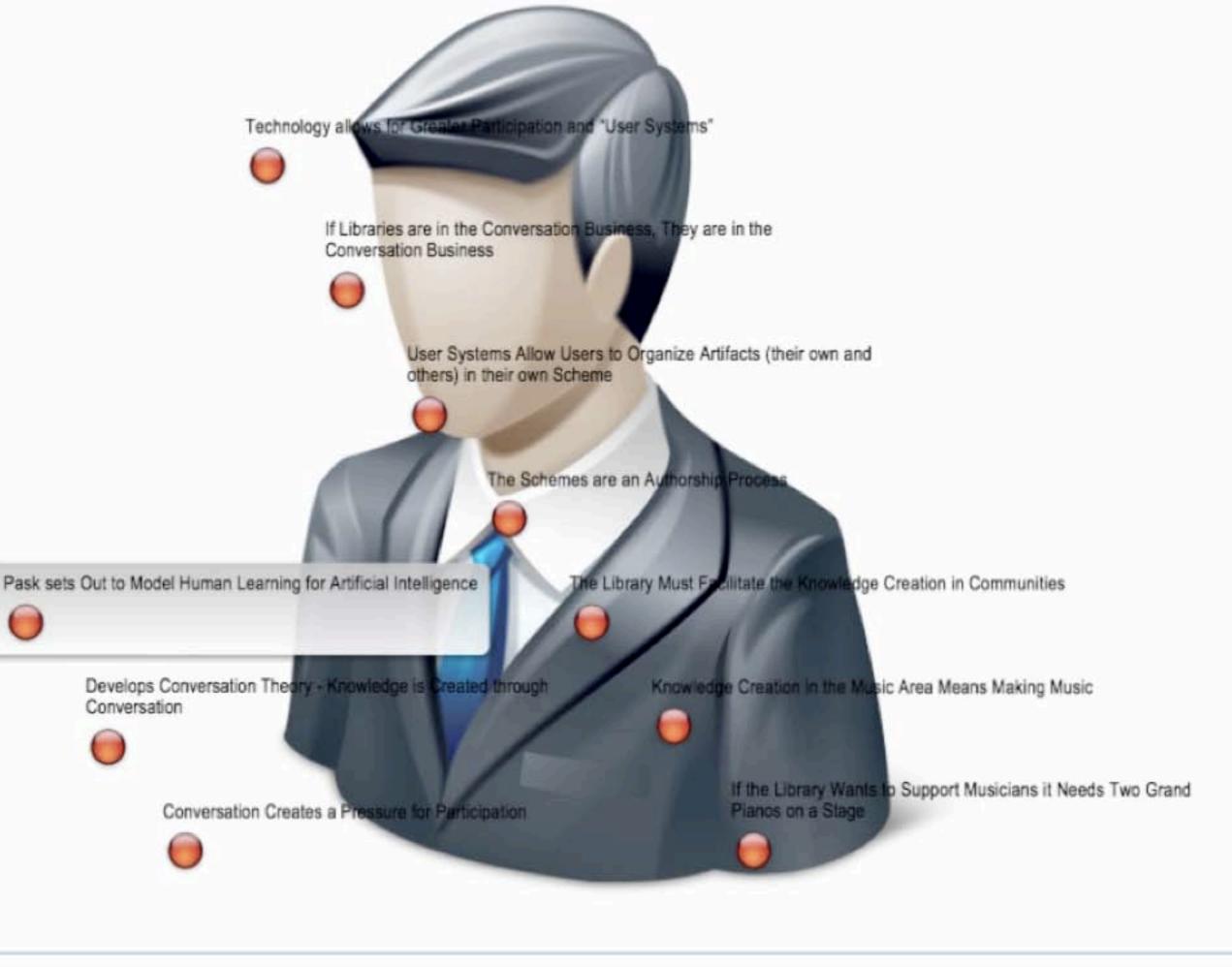
















### The Mission of Libraries

To Facilitate the Knowledge Creation of its Community through Conversation



# Libraries are PERFECTLY Situated

# Libraries are PERFECTLY Situated

- We Function as Authorities NOT Authoritarians
  - We are Honest Brokers, Facilitators of Community Conversations
- We are Tool Builders
  - Need to Stop Riding the Waves, and Become Wave Machines
- We Provide the Connective Tissue to our Organizations

### We Must be Prepared

- Must be Radical Change Agents
  - THINK BIG!!!!!
- Fix Our Innovation Economy
  - Library Vendors as Market Places Not Full Solutions
  - Don't Just Hire Innovators, Create and Nurture Them

## The Future is Everyone's Business

- "Gratitude never radicalized anybody" Gloria
   Steinem
  - Don't be Loved to Death
  - Don't be a Spectator to Your Own Irrelevance
- "Never doubt that a small group of thoughtful, committed citizens can change the world. Indeed, it's the only thing that ever has." - Margaret Mead

## Slides, Projects, and Opportunities www.DavidLankes.org

