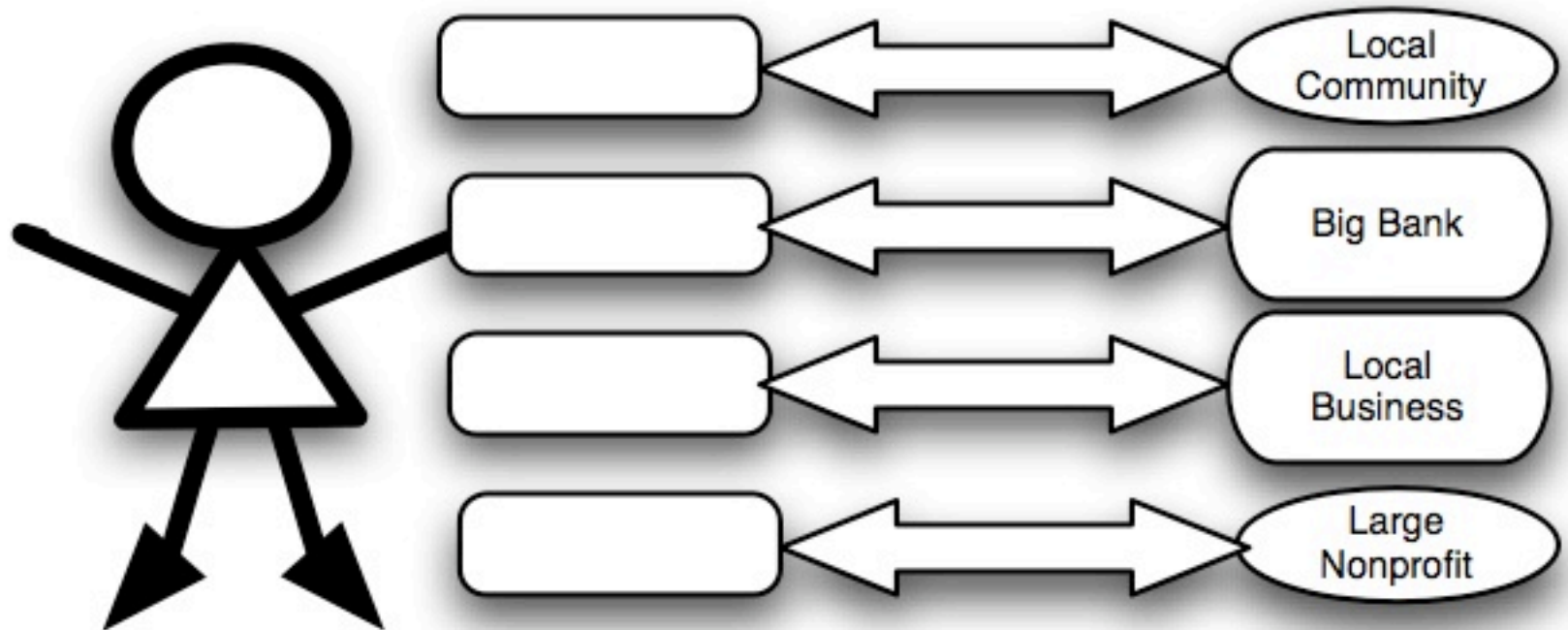




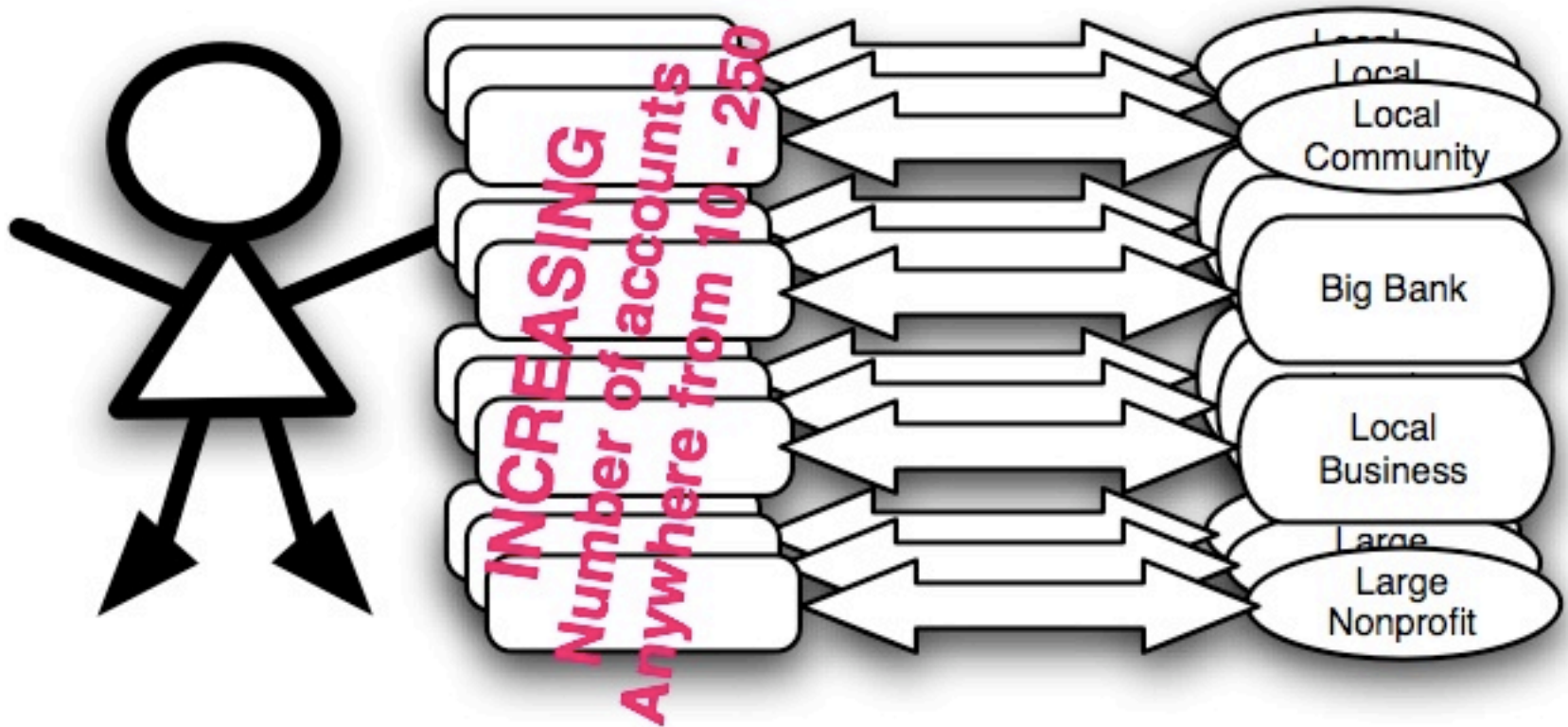
# Identity Rights Agreements and Provider Reputation

Kaliya Hamlin *aka* Identity Woman, Identity Commons  
Phillip J. Windley, Technometria, Brigham Young University

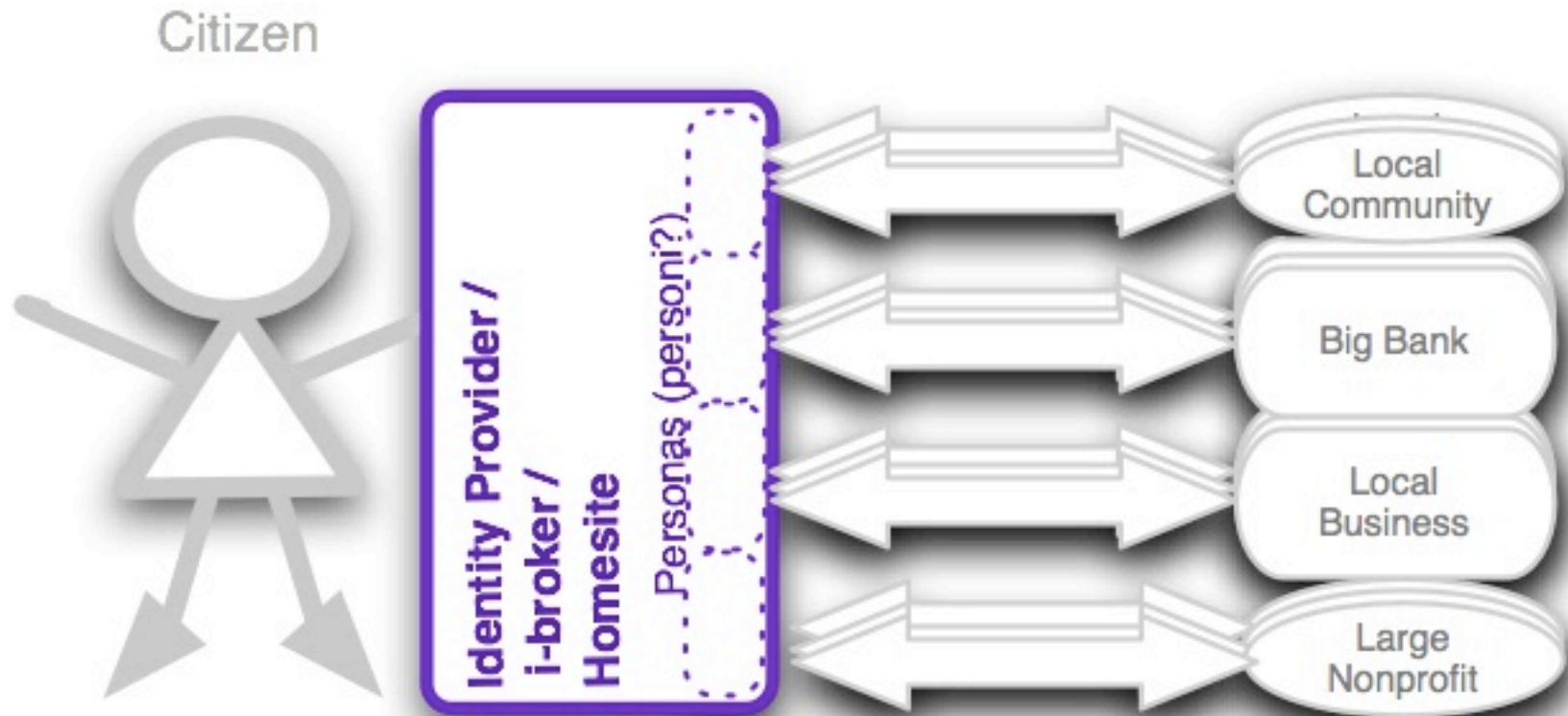
Citizen



Citizen

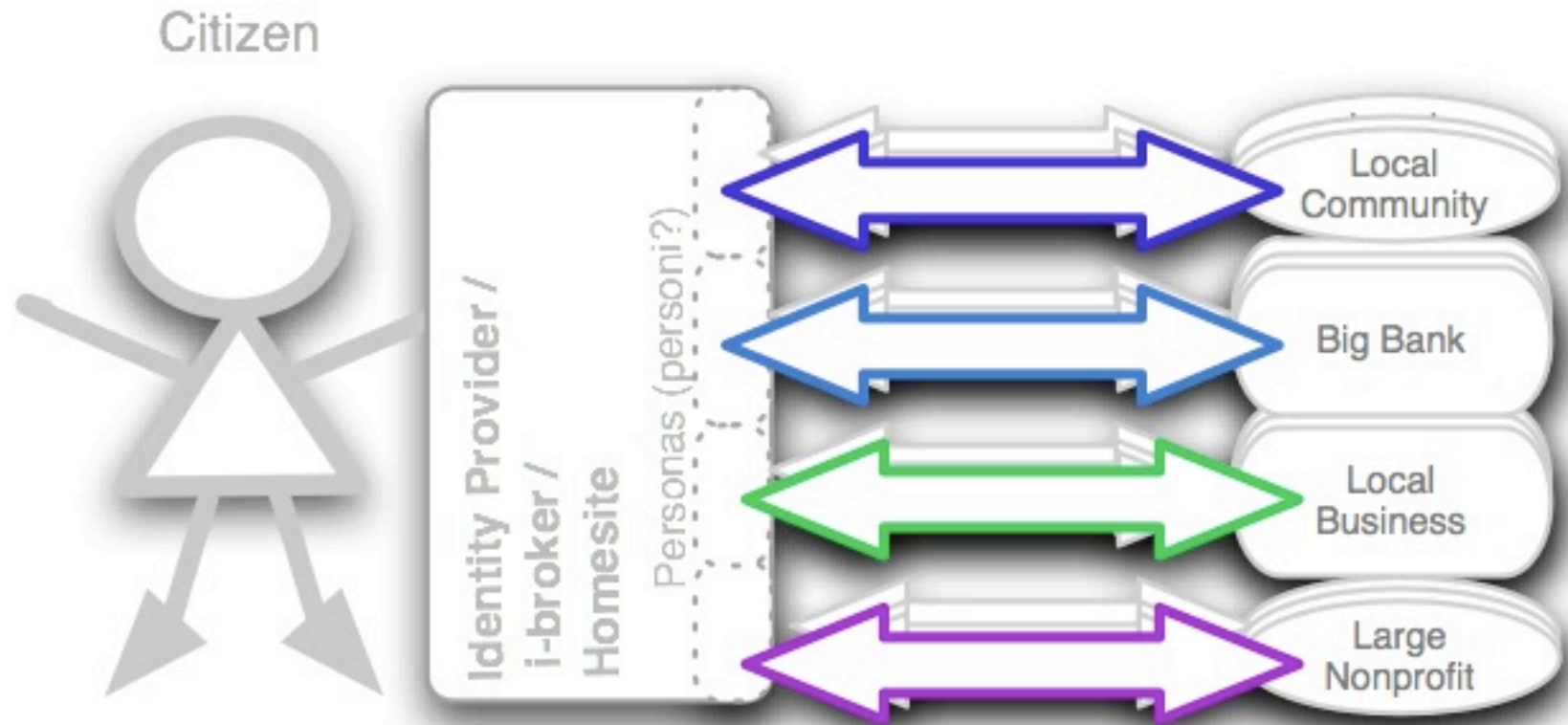


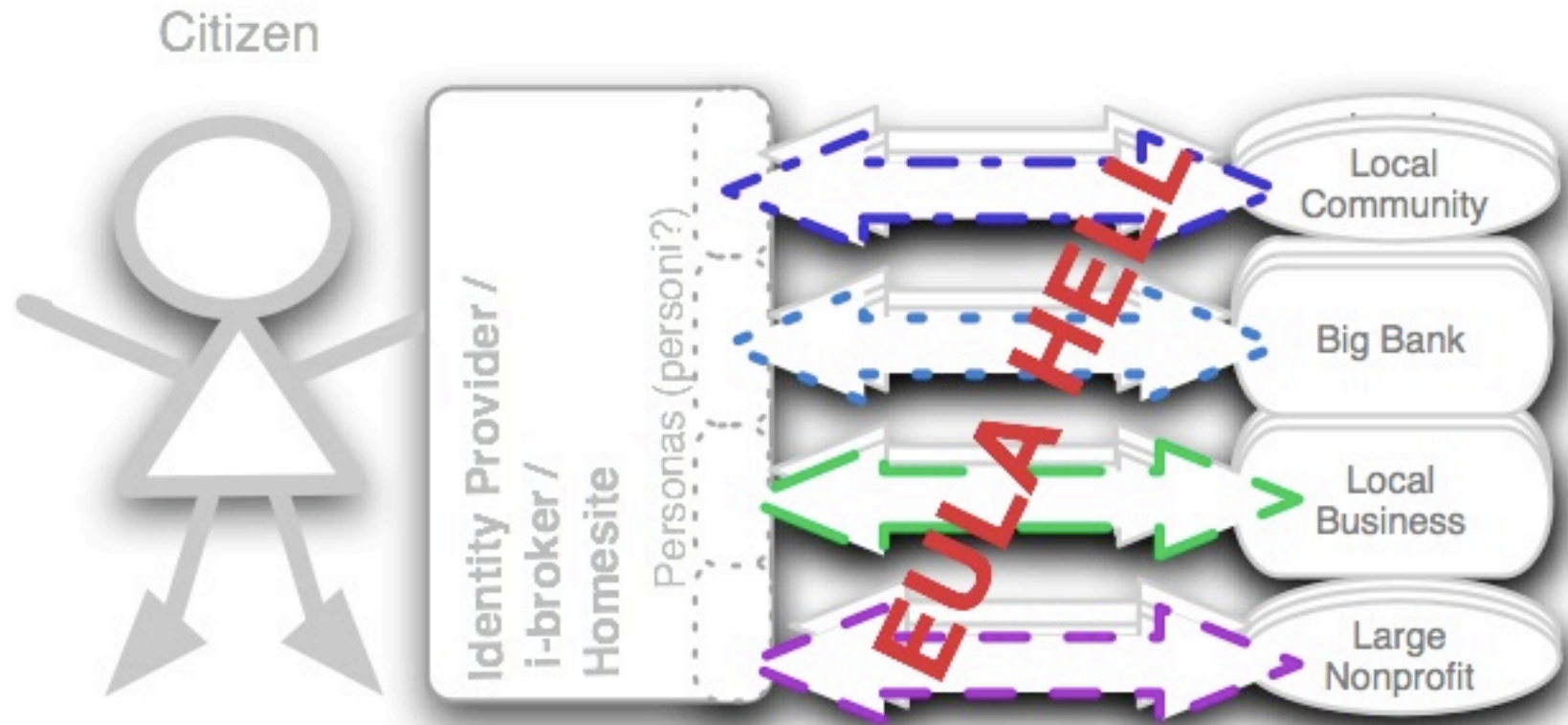
# User Centric Identity



Protocols for negotiation and exchange of *digital identities*  
SAML, Shibboleth, Yadis, Liberty, OpenID, LID, XRI, WS\*, Sxip

# Social Agreement

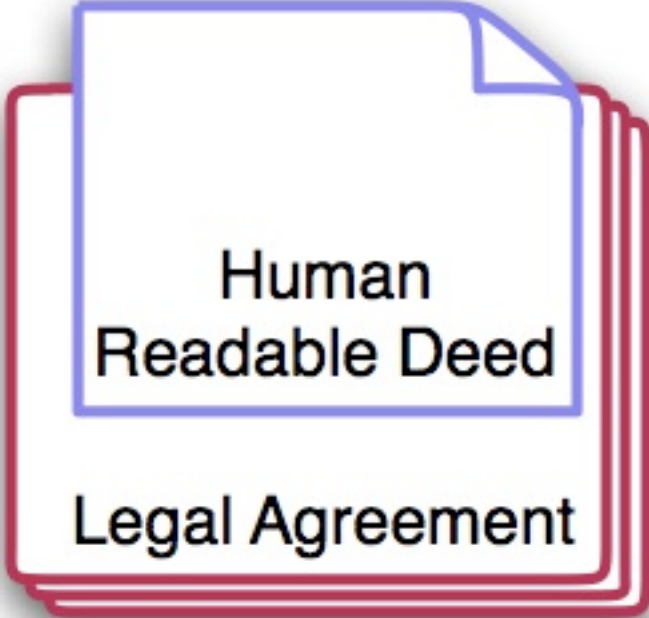




Create Standards for use of PII by relying parties drawing on the success of the CC model.



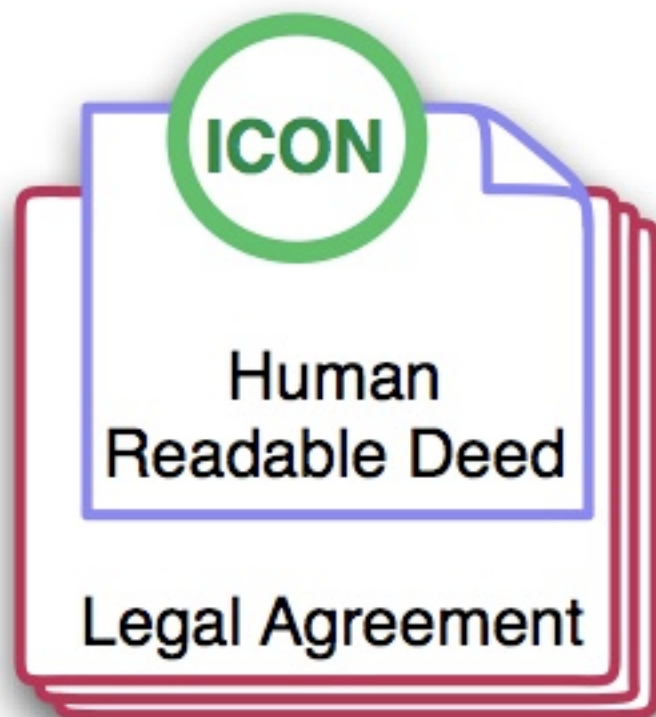
Legal Agreement

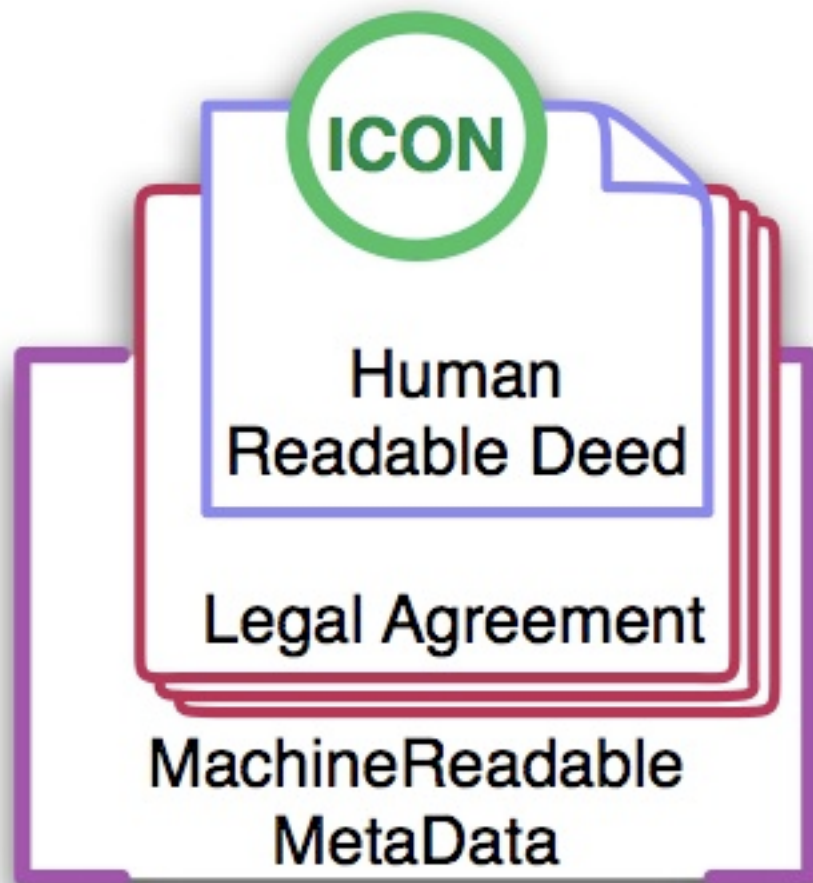


Human  
Readable Deed

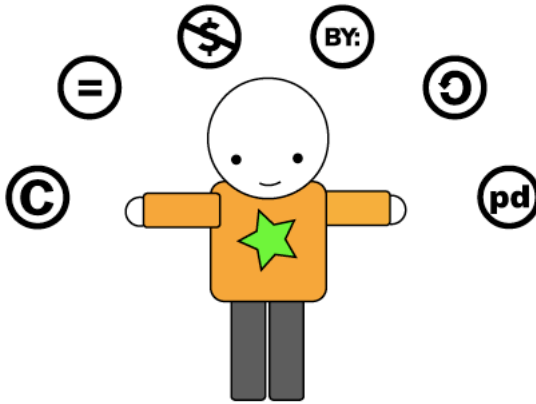
Legal Agreement







CREATIVE COMMONS WANTS TO HELP DEFINE THE SPECTRUM OF POSSIBILITIES BETWEEN FULL COPYRIGHT -- ALL RIGHTS RESERVED -- AND THE PUBLIC DOMAIN -- NO RIGHTS RESERVED. OUR LICENSES HELP YOU RETAIN YOUR COPYRIGHT WHILE ALLOWING CERTAIN USES OF YOUR WORK. THEY HELP YOU OFFER YOUR CREATIVE WORK WITH SOME RIGHTS RESERVED.



WHEN YOU CREATE A WORK, IT'S AUTOMATICALLY PROTECTED BY FULL COPYRIGHT -- WHETHER YOU FILE FOR PROTECTION OR NOT; WHETHER YOU DISPLAY THE COPYRIGHT SYMBOL (©) OR NOT. THIS IS FINE FOR PEOPLE WHO WANT

page 2 of 4

THERE ARE FOUR CONDITIONS YOU CAN APPLY WITH A CREATIVE COMMONS LICENSE. THE FIRST IS AN **ATTRIBUTION REQUIREMENT**. LET'S SAY THAT I'M A BUDDING PHOTOGRAPHER AND WANT TO GET MY NAME AND WORK OUT ON THE WEB. THE ATTRIBUTION OPTION LETS PEOPLE FREELY REDISTRIBUTE MY PHOTOS AS LONG AS THEY GIVE ME CREDIT.

**BY:** ATTRIBUTION

**\$/** NONCOMMERCIAL

**=** NO DERIVATIVE WORKS

**↻** SHARE ALIKE



SO WHEN IGNACIO COMES ACROSS MY SITE, HE KNOWS HE CAN USE MY PHOTO PROVIDED THAT HE GIVES ME CREDIT. THERE'S NO NEED FOR HIM TO CONTACT ME BEFORE REPUBLISHING IT, SO LONG AS HE CLEARLY LISTS MY NAME AND LINKS TO MY ATTRIBUTION LICENSE.

ANITA GOT A LICENSE EXPRESSED IN THREE WAYS: 1) COMMONS DEED, 2) LEGAL CODE, 3) DIGITAL CODE.

### Human-Readable Commons Deed



### Lawyer-Readable Legal Code



### Machine-Readable Digital Code



Cool! I can understand the Commons Deed, lawyers can understand the legal code, and computers can identify my work by reading the digital code!



ANITA PUT THE DIGITAL CODE INTO THE HTML OF HER SITE. THE DIGITAL CODE

ease of use  
trusted brand  
limited defined set of choices  
wide spread adoption  
(millions of licensed objects)

users in charge

creating passionate users

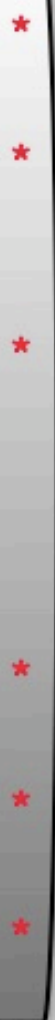
belonging to a 'movement'

cc is Federal Copyright law

IRAs will be based almost entirely state contract law.

# Identity Rights Agreements

## Range of Choice

- 
- \* Post publicly (broadcast)
  - \* Share with anyone, but not broadcast
  - \* Share with partners with which you have a legal agreement to honor this agreement
  - \* Keep to self
  - \* Stored encrypted
  - \* Use for this purpose and destroy

# Granularity:

Different level for  
SSN v. Website address.

Meta Data - identifies which elements protected by which  
preference applied in a variety ways in different contexts.

Face Book

The Paradox of Choice: How can we support people making good choices that don't over whelm them

Often people's preferences are ill-formed, and their choices will inevitably be influenced by default rules, framing effects, and starting points.

Equipped with an understanding of behavioral findings of bounded rationality and bounded self-control, we should attempt to steer people's choices in welfare-promoting directions without eliminating freedom of choice.

(Libertarian Paternalism )



# Value

Sites of various kinds can quickly and easily offer a range of new "privacy options" to their users / low-cost method to offer "enhanced" privacy to their users.

Readily recognizable logos that are licensed based solely through a link back to the IC website in some proscribed manner.

End-users will be able to quickly recognize a range of privacy options (via visual symbols) that they might not otherwise take the time and effort to learn about.

Possibility to negotiate preferred agreement type between users and sites

As with CC, the sites that choose to adopt this service would then be left to their own devices to figure out how they would limit their increased liability (IC would not participate in any assurance services). Consumers who choose a provider offering these services would likewise be left to determine how to proceed should they wish to pursue the "vendor" for an alleged breach.

Contract law is as a foundation

However you if you had to go to court every time there was a violation of these agreements it would be a challenge.

The legal system functions cause people do the right thing most of the time extra legal ways to regulate.

Peer Production of Governance

There needs to be to enforce norms without bringing the law into it.

## Service Provider Reputation

providers of identity data      i-brokers, homesites, identity providers

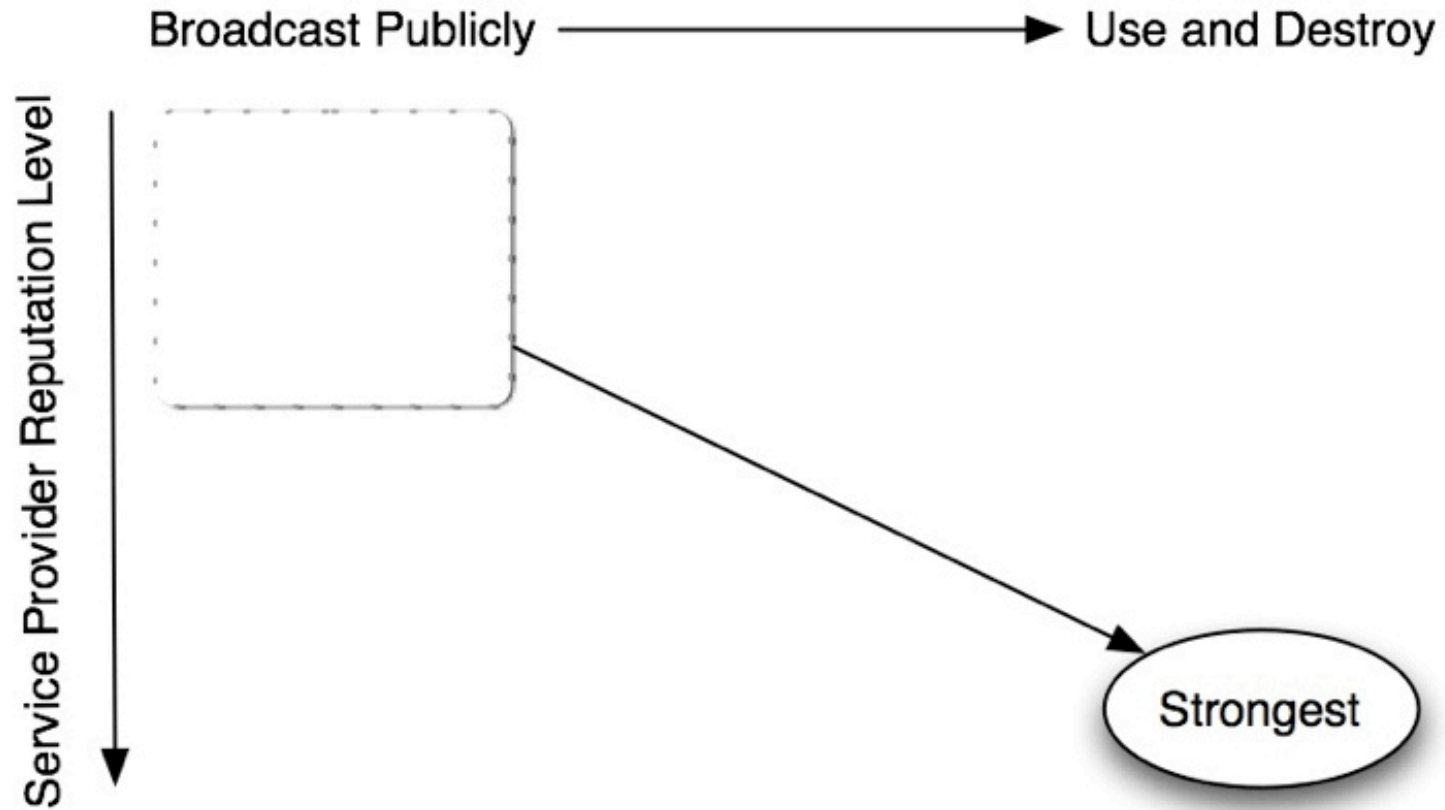
consumers of identity data      relying parties, web services

attribute assertions      reputation providers

User-Centric Identity is an emerging model

Businesses developing in this area are seeking the development of norms and best practices in this space so trust can emerge.

## Rights Agreements and Service Providers



## User Centric Identity Community:

IdentityGang.org

Mailing list - I can add folks if you are interested

## Identity Commons 2 and Identity Rights Agreements

[wiki.idcommons.net/moin.cgi/IdentityCommonsTwo](http://wiki.idcommons.net/moin.cgi/IdentityCommonsTwo)

[identityrights.org](http://identityrights.org)

Mailing list - <http://mail.idcommons.net/cgi-bin/mailman/listinfo/ic2>



**May 1-3 in Mountainview**

<http://www.windley.com/events/iw2006a/announcement.shtml>

or my blog [identitywoman.net](http://identitywoman.net)