Currently contracts are not written in a way that be encoded in a binary form. Authorization is based on institutional affiliation, and there is not a market for incremental value added services at present. Shibboleth can enable the commoditization of smaller bites of information and new delivery methods.

There are trade-offs with those delivery options, such as the release of more identity information. Will users know or care about the release of more information? Users often use fake identities to obtain information or discounts and Shib will make this largely impossible. It might be that a market place will spring up to satisfy the need for an alternate persona under appropriate circumstances.

There is also the issue of how vendors use additional identity information once they have it. They may own the information but institutions need to control how they reuse it. It would be extremely undesirable for an expressed interest in a topic to result in spam or linking to commercial database profiles about a user.

A key issue is how to educate users about these issues so they can make informed decisions and understand when information being solicited is voluntary.

If an attribute is mistakenly released what happens? Who is responsible legally? Currently there is no legal mechanism to cover these kinds of issues.

One desire is for it to be an opt-in mechanism for persistent target ID’s, not an opt-out mechanism.

Privacy Templates for licenses - will there be a creative commons for information release? There is some development in that direction. In the 1.2 metadata target the federation can specify the kind of attribute polices that are appropriate. A GUI for librarians pops up with content provider setting recommendations. The federation can set direction in the moral/ethical values to follow in processing metadata.

Issues:
In accidental or coerced privacy loss how do you hold faculty responsible? How do state and federal privacy laws impact contracts? How does FERPA interact with a entities desire to track their students?

Dis-intermediated privacy - what about n-tier applications? What would a matrix of privacy responsibilities look like? Where would enforcement occur? At the federation level, library, other?