Adapting HUBzero for the Arts and Humanities

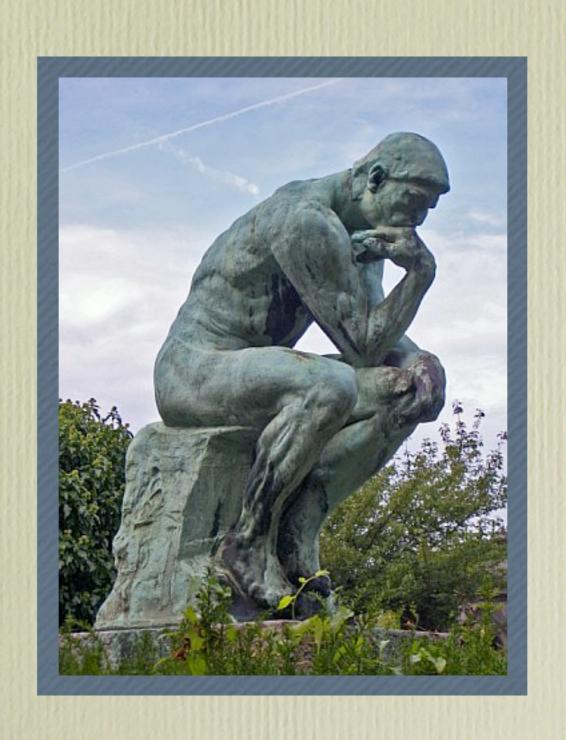


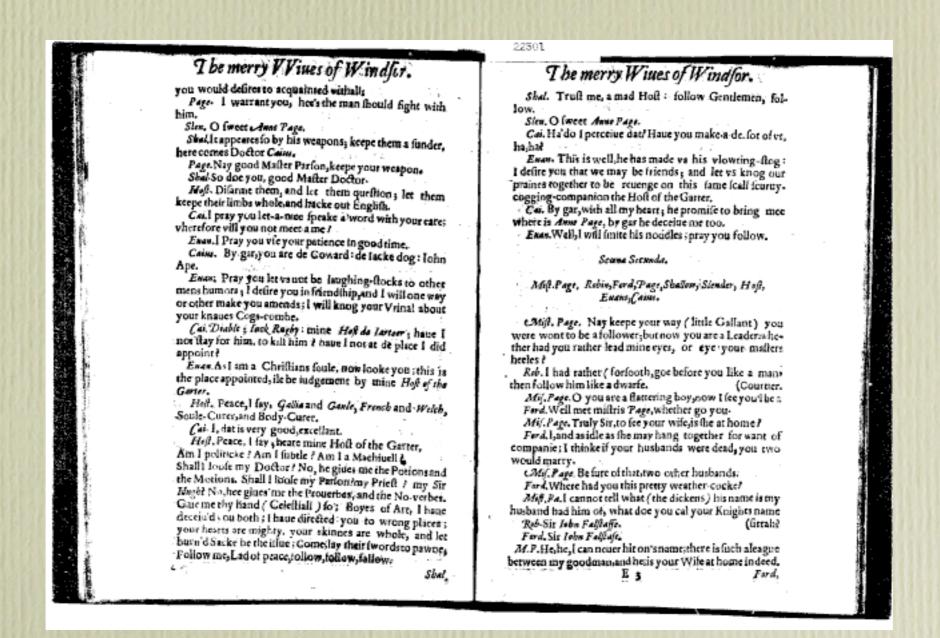
Bruce Barton, University of Wisconsin-Madison



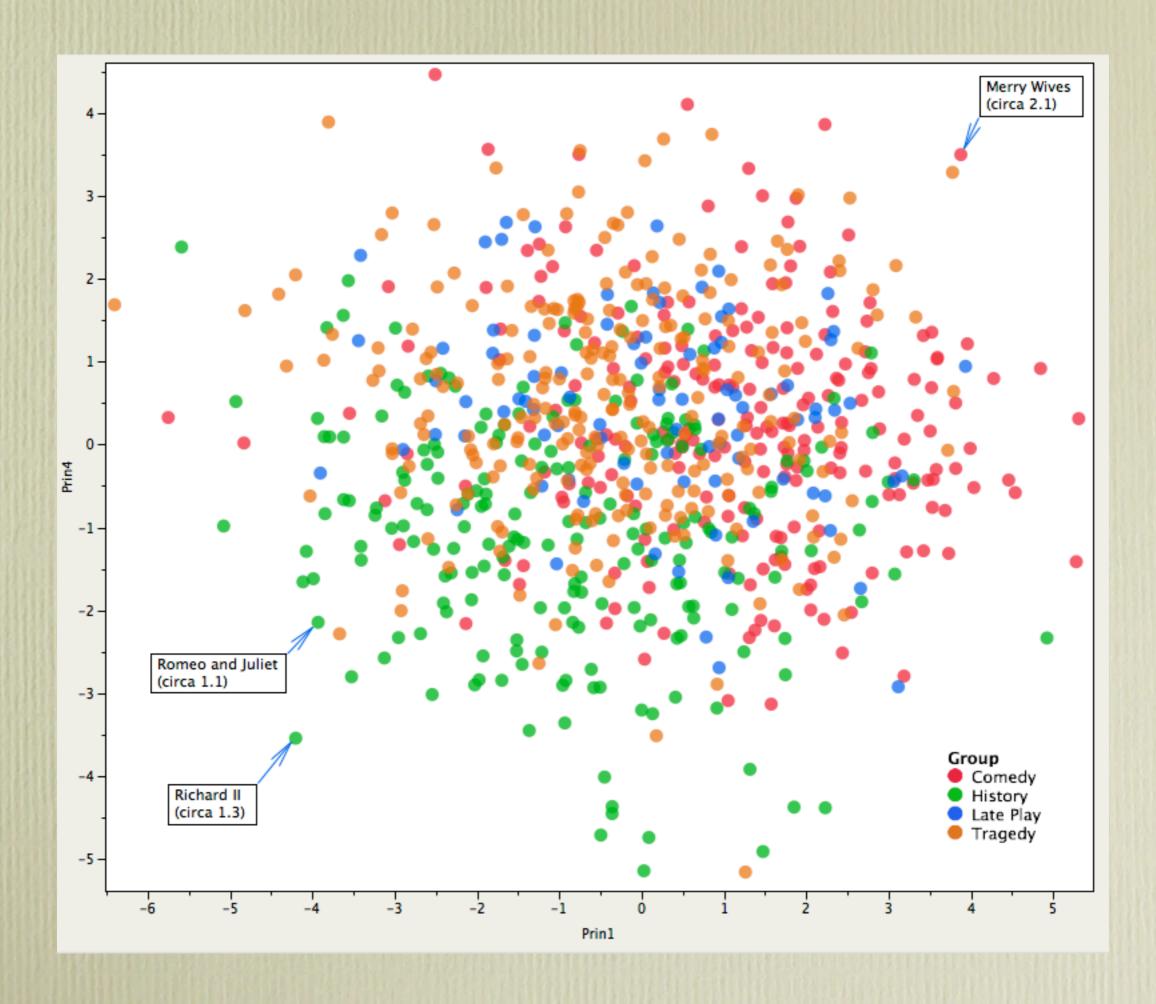
Broad outline

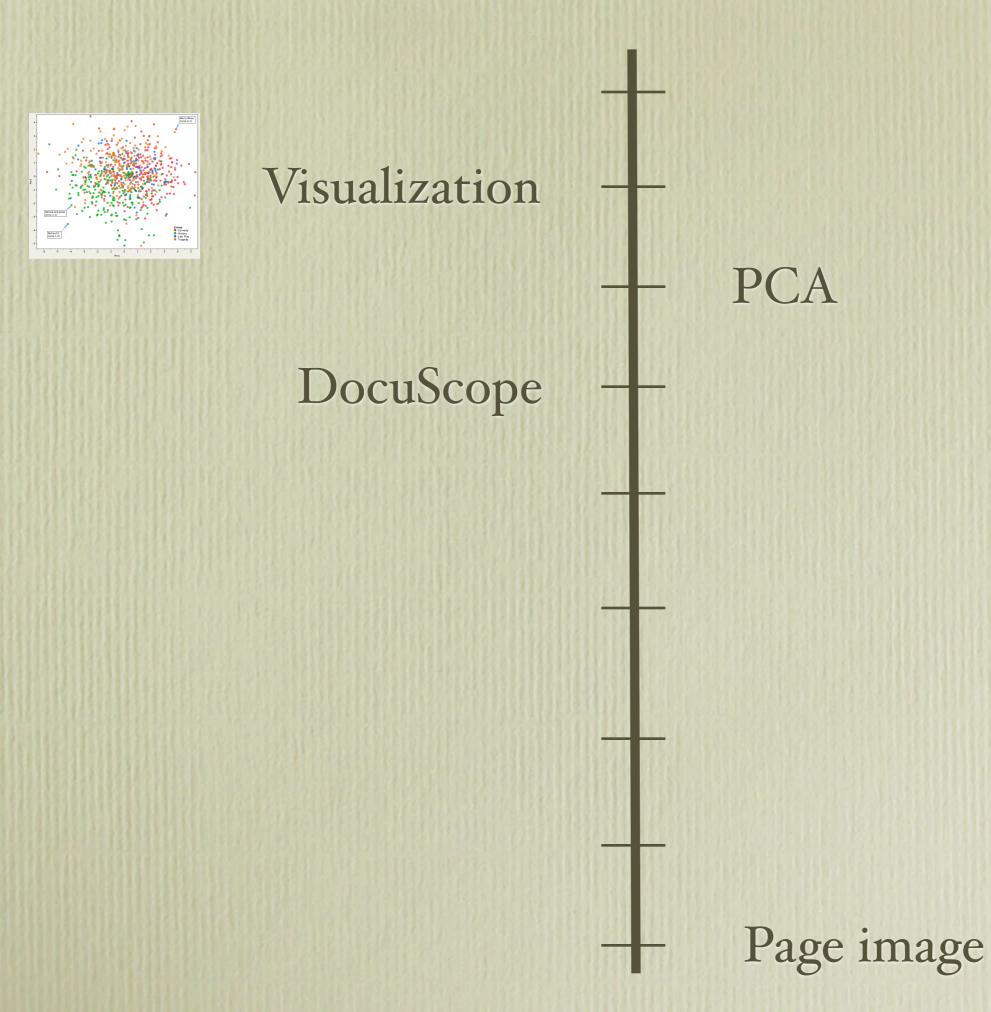
- What does scholarship look like in Humanities 2.0?
- Project Bamboo
- Adapting HUBzero for use as a Bamboo Work Space

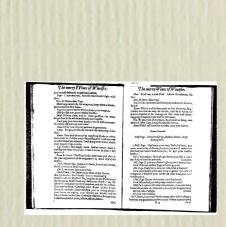




Shakespeare, The Merry Wives of Windsor, 1630

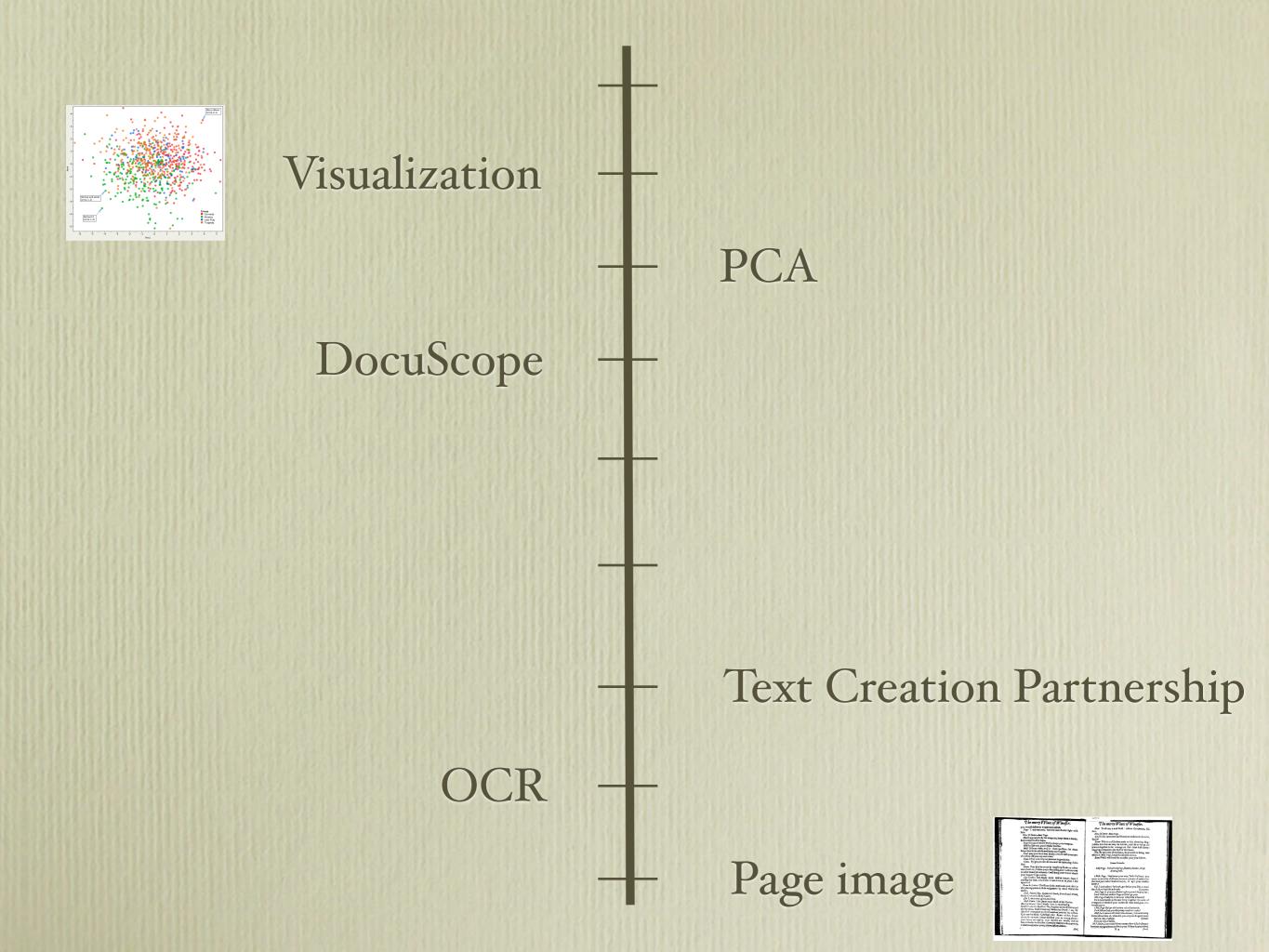






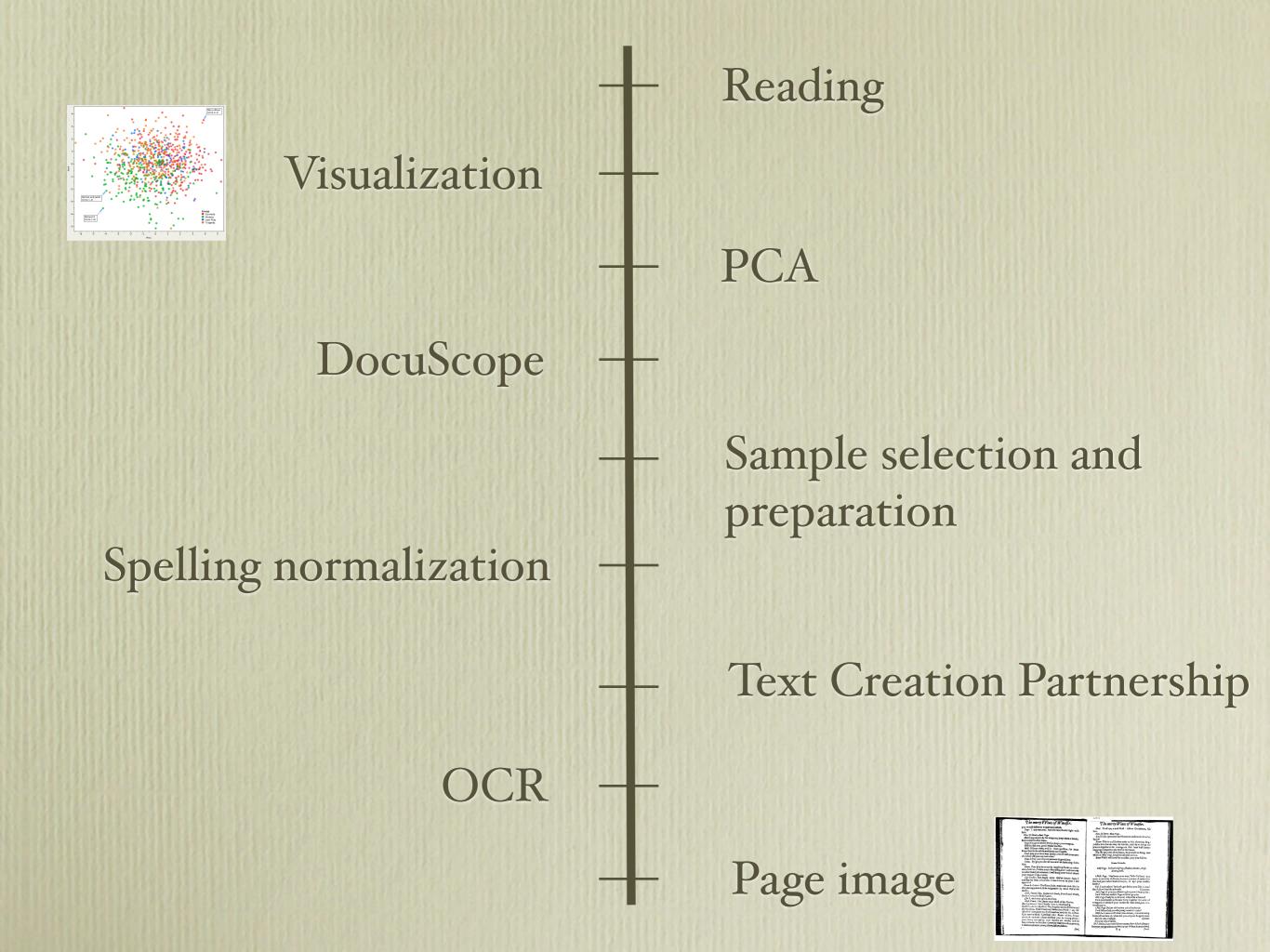
DocuScope

- 100 categories of "representational effects"
- over 8,000,000 mappings of English words and strings of words into the categories, developed by a scholar of rhetoric at Carnegie Mellon over ten years
- marks and counts categories found in a text



Text Creation Partnership

- Made available 25,000+ structurally marked-up full-text transcriptions of early English books drawn from Early English Books Online, of which there are roughly 125,000 titles covering the period form 1473 1700
- eight years of work



Knobs?

• Let's try amplifying speeches by particular characters.

three things to notice about humanities scholarship

- 1. collaboration and specialization
- 2. tools
- 3. objects
 - provenance and relationships

Project Bamboo

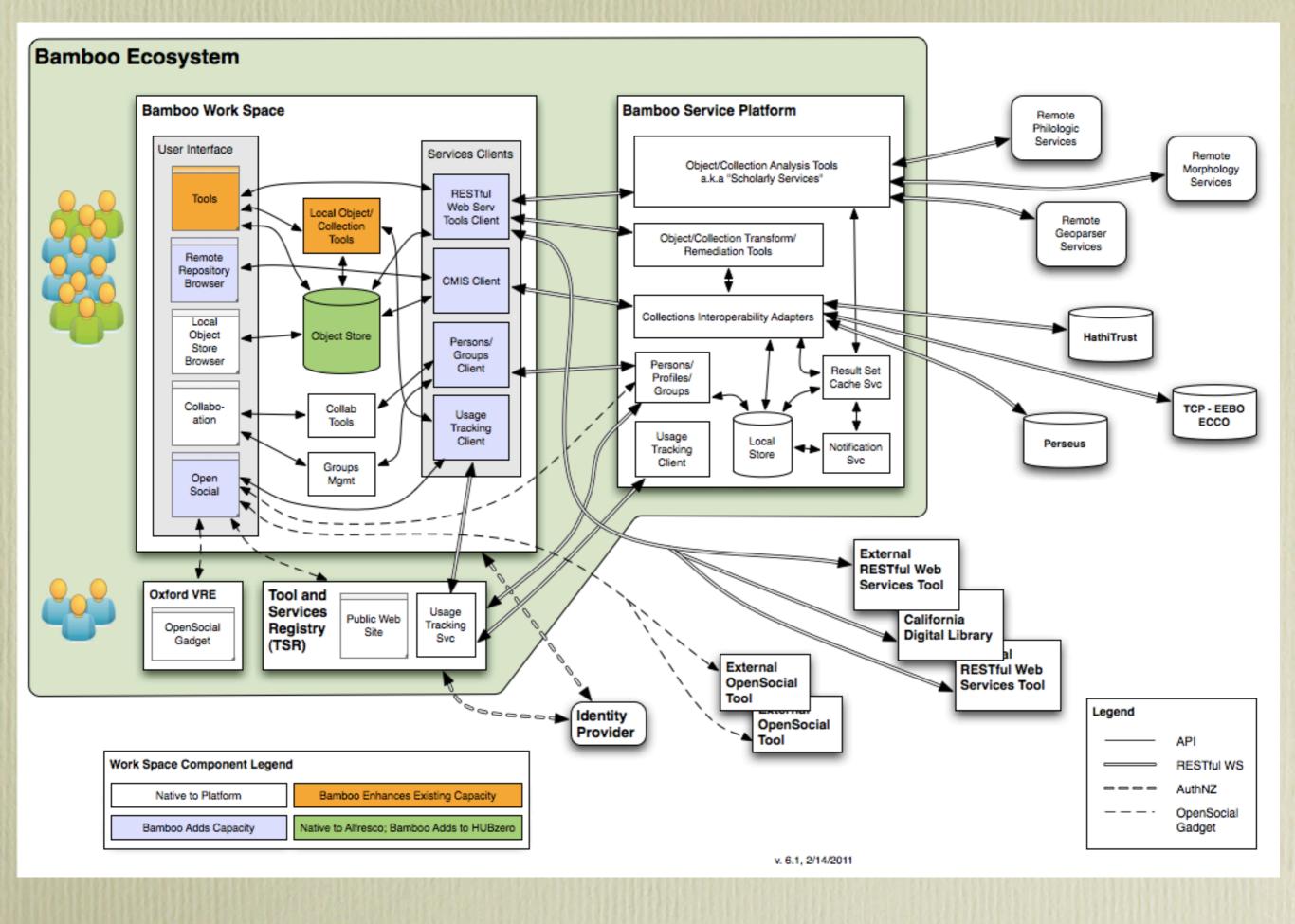
- collaboration of 10 research universities
 - Australian National University
 - Indiana University
 - Northwestern University
 - Tufts University
 - University of California, Berkeley

- University of Chicago
- University of Illinois, Urbana-Champaign
- University of Maryland
- University of Oxford
- University of Wisconsin, Madison
- supported by the Andrew W. Mellon Foundation
- working to provide a computing ecosystem to support scholarship in the arts and humanities



Bamboo Ecosystem Strategy

- select and adapt existing platforms and tools
- wire these together through services



adapting HUBzero

- object repository \Rightarrow Fedora Repository
- remote (and local) repository access ⇒ CMIS
- object marshaling to tools
- remote tool invocation ⇒ RESTful web services
- tool integration ⇒ OpenSocial
- ecosystem collaboration ⇒ Bamboo Person

The End

- http://projectbamboo.org
- Jonathan Hope, Michael Witmore, "The Hundredth Psalm to the Tune of 'Green Sleeves'": Digital Approaches to Shakespeare's Language of Genre, *Shakespeare Quarterly*, Vol. 61, No. 3, Fall 2010
- Mike Witmore's blog: http://winedarksea.org
- bhbarton@wisc.edu