Planning Project Update

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Bamboo is made possible through the support of the Andrew W. Mellon Foundation.
Bamboo is a community-driven cyberinfrastructure initiative that includes faculty and researchers engaged in humanistic inquiry, computer scientists and information scientists interested in innovative models for shared services, and librarians, academic content partners, campus information technologists and other professionals who want to work together across disciplinary, organizational, institutional, and geographical boundaries to better enable and foster innovation in the arts and humanities.
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1987

“...we encourage the support of interdisciplinary research teams, rather than just facilities, to ensure that long-term visualization developments be grounded in real problems.”

One recommendation was that teams should include computer scientists and engineers, visualization scientists, systems support personnel, artists, and cognitive scientists.

How can we advance arts and humanities research through the development of shared technology services?
1/3 time spent on research and scholarship
2/3 time sorting through technology
2/3 time spent on research and scholarship
1/3 time sorting through technology
Borromean Ring Teams

National Science Foundation vision for cyberinfrastructure.

- Relationships of mutual respect.
- Relationship of mutual benefit within the norms of the “ring community.”
- Participatory, iterative design, use, evaluation.
- A culture of collective reward.
- To be a bit eccentric (can’t be circles)

*Three symmetric, interlocking rings, no two of which are interlinked. Removing one destroys the synergy.*
For the humanist, the library is his or her laboratory, the place in which is found, or hidden, the raw materials for research.

Section III.4: *Library and Scholarly Communications*
Bamboo Planning Proposal
The library is not raw...
The library is not raw... the world is RAW

John Laudun
Assistant Professor, English & Folklore, Univ. of Louisiana, Lafayette
Bamboo Workshop 1b, Chicago, May 16, 2008
Bamboo Vision of Cyberinfrastructure

Growing and deep **understanding of practices, directions, commonalities** in the arts and humanities among humanists, librarians, technologists, etc., now and in the future

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*Three symmetric, interlocking rings, no two of which are interlinked. Removing one destroys the synergy.*
Bamboo Vision of Cyberinfrastructure

**Shared technology services** from across the world that can easily be discovered, used, combined, integrated into key research and teaching practices and projects

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*Three symmetric, interlocking rings, no two of which are interlinked. Removing one destroys the synergy.*
Bamboo Vision of Cyberinfrastructure

Evolving and stable organizational, partnership, and social models to support academic innovation using technology within and between campuses and other key organizations

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- To be a bit eccentric (can’t be circles)

*Three symmetric, interlocking rings, no two of which are interlinked. Removing one destroys the synergy.*
“I would like to propose a patron saint for cyberinfrastructure, something that, remarkably, we forgot to do in the ACLS report. My nominee is Benjamin Franklin. Why Ben, you might ask? It is partly that Franklin was a tinkerer with new technologies, a printer and a publisher, someone who established the first circulating library in the US, a politician with more than a dash of provocateur, and a pragmatist who figured out some important aspects of how to make revolution sustainable. Franklin was also famous for his maxims, and one of the best known of those he delivered at the Continental Congress just before signing the Declaration of Independence. On that occasion, he said: *We must, indeed, all hang together, or most assuredly, we shall hang separately.*

That's my short-hand definition of cyberinfrastructure, actually – *the environment in which we all hang together, as opposed to the one in which we all hang separately.*”

**John Unsworth**, University of Illinois at Urbana-Champaign from Bamboo Workshop 1d (Princeton)
Bamboo is currently a Planning Project

- Spans 18 months from April 2008 - September 2009
- Goal of building a consortium of universities, colleges, and other organizations who will work together to advance arts and humanities teaching and research through the development of shared technology services.
- Participating institutions and organizations will help to define the final scope of Bamboo, and formulate a set of activities, processes, and projects that will guide implementation and shape the community that supports it.
- Major deliverable at the end of planning project is the submission by this consortium of a Bamboo Implementation Proposal to the Andrew W. Mellon Foundation.
- If successful, implementation would begin in late Fall 2009.
profiles (same idea as SCORM?)
disciplinary standards
industry norms
specifications

standards

practices
research and teaching
partnerships and support
qualitative and quantitative
methodologies and protocols

technology services
loosely-coupled
discoverable
sustainable
predictable
mashable
reusable
reliable
flexible
Nearly 500 people from over 100 institutions and organizations have taken part in planning Bamboo
Guidance to Governance

Principal Investigators
Janet Broughton
Dean of Arts & Humanities, Univ. of California, Berkeley

Gregory A. Jackson,
Vice President/CIO, Univ. of Chicago

Leadership Council
Anthony Cascardi
Director, Doreen B. Townsend Center for the Humanities, Univ. of California, Berkeley

Judith Nadler
Director, Univ. of Chicago Library

James Chandler
Director, Franke Inst. for the Humanities, Univ. of Chicago

Martha Roth
Dean of the Division of Humanities, Univ. of Chicago

Charles Faulhaber
Director, Bancroft Library, Univ. of California, Berkeley

Stuart Russell
Chair, Electrical Engineering and Computer Science, Univ. of California, Berkeley

Ian Foster
Director, Computation Institute, Univ. of Chicago

Shelton Waggener
Assoc. Vice Chancellor/CIO, Univ. of California, Berkeley
The approach ... is one rooted in creating, reusing, remixing, and sharing technology services across project, institutional, organizational, regional, and national boundaries ... if we can share technologies and content in common ways, we will be able to reduce the overall effort in the long term to create new digital projects, increase the potential for greater innovation as more effort can be placed on new ideas rather than recreating existing solutions, take best advantage of specialized skill sets across the various communities to solve problems, and leverage institutional and community-wide economies of scale to tackle problems and sustain critical projects.

Based on the work to date on the planning project, the preliminary focus of Bamboo includes education [and professional development], scholarly networking, tool and content interoperability, building and sustaining partnerships both within institutions and across the community, and the services framework that is fundamental to Bamboo.

As of October 2008
Workshops

1. Understanding Arts and Humanities Scholarship
   • April 2008: Berkeley (1a)
   • May 2008: Chicago (1b)
   • June 2008: Paris (1c)
   • July 2008: Princeton (1d)

2. Workshop Two (October 15-18, 2008)

3. Workshop Three (January 12-14, 2009)

4. Workshop Four (March 2009)

5. Workshop Five (May 2009)
the original plan was to explore practices to discover what was common and then fill the gaps

continuum of practices across disciplines
we learned that our plan could lead us toward unintentional **normalization** … a serious concern raised by faculty attending Workshop 1a
instead of proceeding down the **wrong path**, we changed the plan.

start by finding some things in **common**
instead of proceeding down the **wrong path**, we changed the plan.

start by finding some things in

**seek out the uncommon**

and **don’t** be concerned with the gaps…
organize common and uncommon practices into themes
use **themes** rooted in current practice
to inform and shape
Bamboo **services**
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Working Groups

- Education
- Services
- Standards & Best Practices
- Scholarly Networking
- Tools & Content Partners
- Institutional Support
- Leadership & Principles
- Stories
Demonstrators

The purpose of inter-workshop demonstrators is to test ideas and illustrate concepts that can be shared with Bamboo participants.

- Explore commonalities uncovered in the workshops
- Demonstrate the shared services approach to participants
- Experiment with new application models
- Promote opportunities for technological collaboration across disciplines, organizations, and institutions
Application
Faculty, Scholar, Researcher, Student

Data Collection/Repository
Project, Group, Library, Institution
Documents

1. Report derived from Workshops One through Three: *Scholarly Practice in the Arts and Humanities*

2. Report derived from Workshops Two through Four: *Arts and Humanities Services Roadmap*

3. Report derived from Workshops Four and Five: *Organizational Options and Issues for Building Bamboo*

4. Proposal: *Bamboo Implementation Project*
Principles of Community Design

- be guided by a framework of broad goals backed by a commitment to action
- calibrate the planning process through community feedback
- create an “upward spiral of conversation”
  Janet Broughton, UC Berkeley
- conduct a “listening tour”
  Dan Cohen, George Mason University
- search for commonalities with respect for context and uniqueness
- turn to the community to define responsibilities and priorities
- firmly respect “we”
“What is Bamboo?”
from Workshop 1a (Berkeley), April 2008

BAMBOO ENABLES A SOCIAL NETWORK OF SCHOLARS & IT, REPOSITORIES & INSTITUTIONS TO SHARE TOOLS & TECHNOLOGIES $\text{\&}$ DIGITAL RESOURCES ACCORDING TO $\text{\&}$ STANDARDS THAT REFLECT IDEALS OF OPENNESS & NEW MODELS OF PUBLICATION $\text{\&}$ SCHOLARLY OUTPUT."
In the natural world, bamboo is a **highly flexible organic material** that serves multiple purposes: it can live as a single stalk on a desk or grow quickly into renewable forests; be used for constructing buildings or decorating them; become as strong as hardwood or as flexible as cloth; and can be lashed together to keep water out as in a boat or transport water as in a pipe. We envision the project as being quite similar: **sustainable, configurable, flexible, and reliable** – hence the name **Bamboo**.
“When we look back five or ten years from now, what will it be about our current lives that will leave us marveling at what we now fail to know? That’s a really exciting question to me.”

Janet Broughton, Dean, Arts and Humanities, UC Berkeley