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SI 615 Seminar on Digital Libraries

Week 12 – Sustaining Digital Libraries
Themes of this presentation

Themes

- to sustain
- Critical ideas
- Looking forward

“I was told that if a million monkeys sat at a million typewriters, they would eventually write all the works of Shakespeare.”
to sustain

Critical ideas
Looking forward

- To support the efforts, conduct, or cause of...
- To uphold the validity or rightfulness of...
- To keep from failing or giving away
- To cause to continue in a certain state
- To keep going, keep up
- To provide for the life or bodily needs of
- To provide for the upkeep
Repositories and Preservation

Preservation functions

- Unique, persistent identification
- Ingest
- Representation systems (registries and networks)
- Technology watch
- Rendering
- Modular structure
- Recording change

Digital libraries are organizations that provide the resources, including the specialized staff, to select, structure, offer intellectual access to, interpret, distribute, preserve the integrity of, and ensure the persistence over time of collections of digital works so that they are readily and economically available for use by a defined community or set of communities.

Borgman on digital libraries

Research and practice: different worlds

- “Digital libraries are a set of electronic resources and associated technical capabilities…”
  - Focuses on the technical system

- “Digital libraries are constructed by and for a community of users…”
  - Focuses on process and service
Content Landscape Model

e-Teaching

Internal
Digitized Content

Web Gateway

Managed Content

Acquired Content

Licensed Content

External

Loose

Yes

Possess

Tight

No

Likely

Unlikely

e-Records

e-Research

e-Publishing
Federated Archives
What is a digital library anymore, anyway?

Critical ideas
Looking forward

Image removed, available online at:
http://www.dlib.org/dlib/november05/lagoze/11lagoze.html
Information Network Overlay

to sustain

Critical ideas

Looking forward

Image removed, available online at:
http://www.dlib.org/dlib/november05/lagoze/11lagoze.html
Harvard library digital architecture

to sustain

Critical ideas
Looking forward

Image removed, available online at:
http://www.dlib.org/dlib/november00/flecker/11flecker.html
Where do we go from here?

to sustain
Critical ideas

Looking forward

- Cyberinfrastructure
- Research
- Large scale deployment
- Digital preservation
- “Other issues”
  - Personal information management
  - HCI
  - Lifelong learning
  - Collaboratories

• Lynch, 2005.
Where do we go from here?

Perhaps the overarching theme here ... is connecting and integrating digital libraries with broader individual, group and societal activities, and doing this across meaningful time horizons ... digital libraries ... as an integral and permanent part of the ... information environment.

• Lynch, 2005.
Thank you!

Paul Conway
Associate Professor
School of Information
University of Michigan
www.si.umich.edu