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# SI 640 Digital Libraries and Archives

Week 12 – Sustaining Digital Libraries

# Themes of this presentation

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## 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

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## **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

• Wheatley, 2004.

# Repositories and Preservation

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## to sustain

Critical ideas

Looking forward

## ■ Preservation functions

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

# DLF Definition

to sustain

**Critical ideas**

Looking forward

***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.***

*Donald J. Waters, What Are Digital Libraries? CLIR Issues (July/Aug 1998)*

# Borgman on digital libraries

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to sustain

## Critical ideas

Looking forward

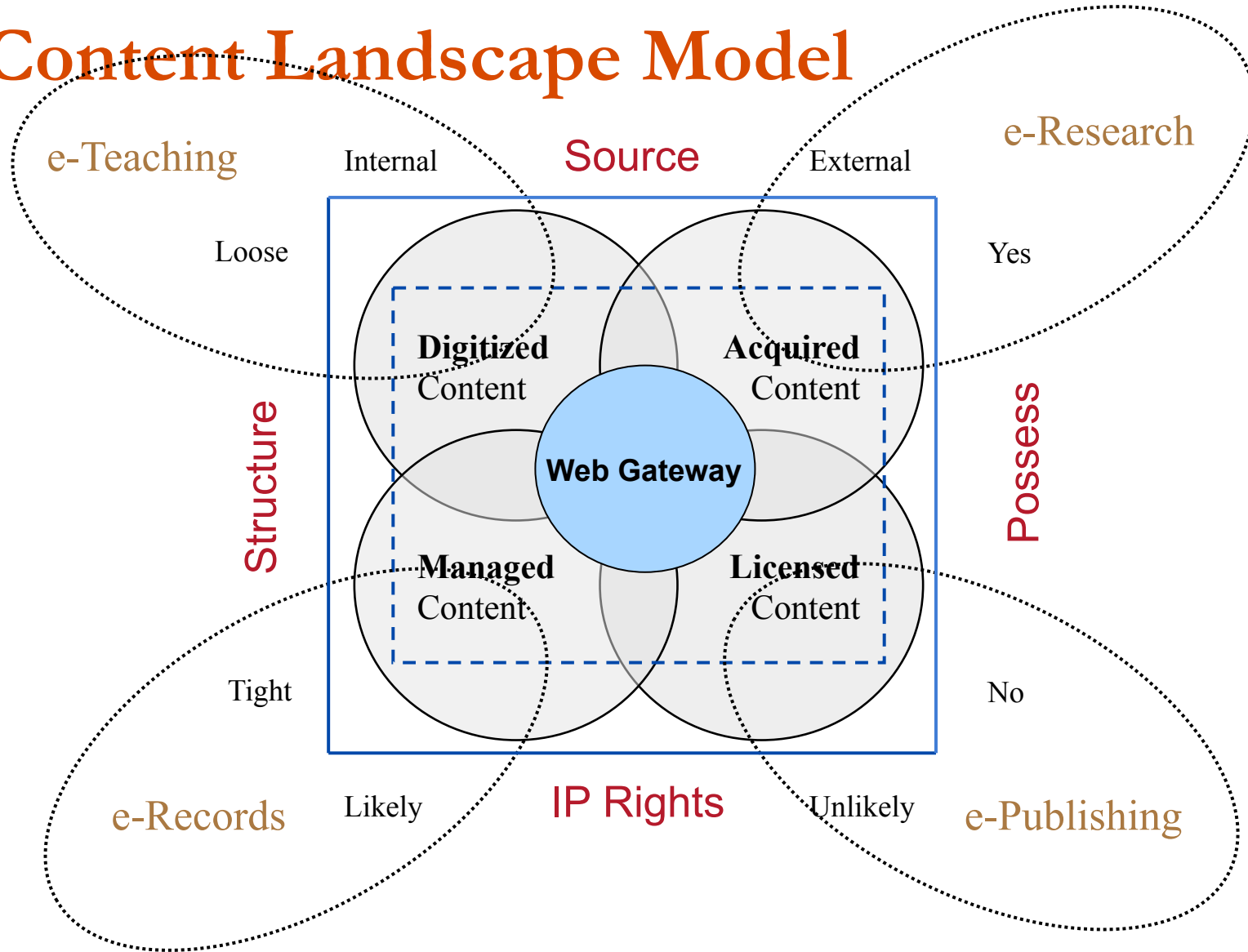


Image of Christine  
Borgman removed

## Research and practice: different worlds

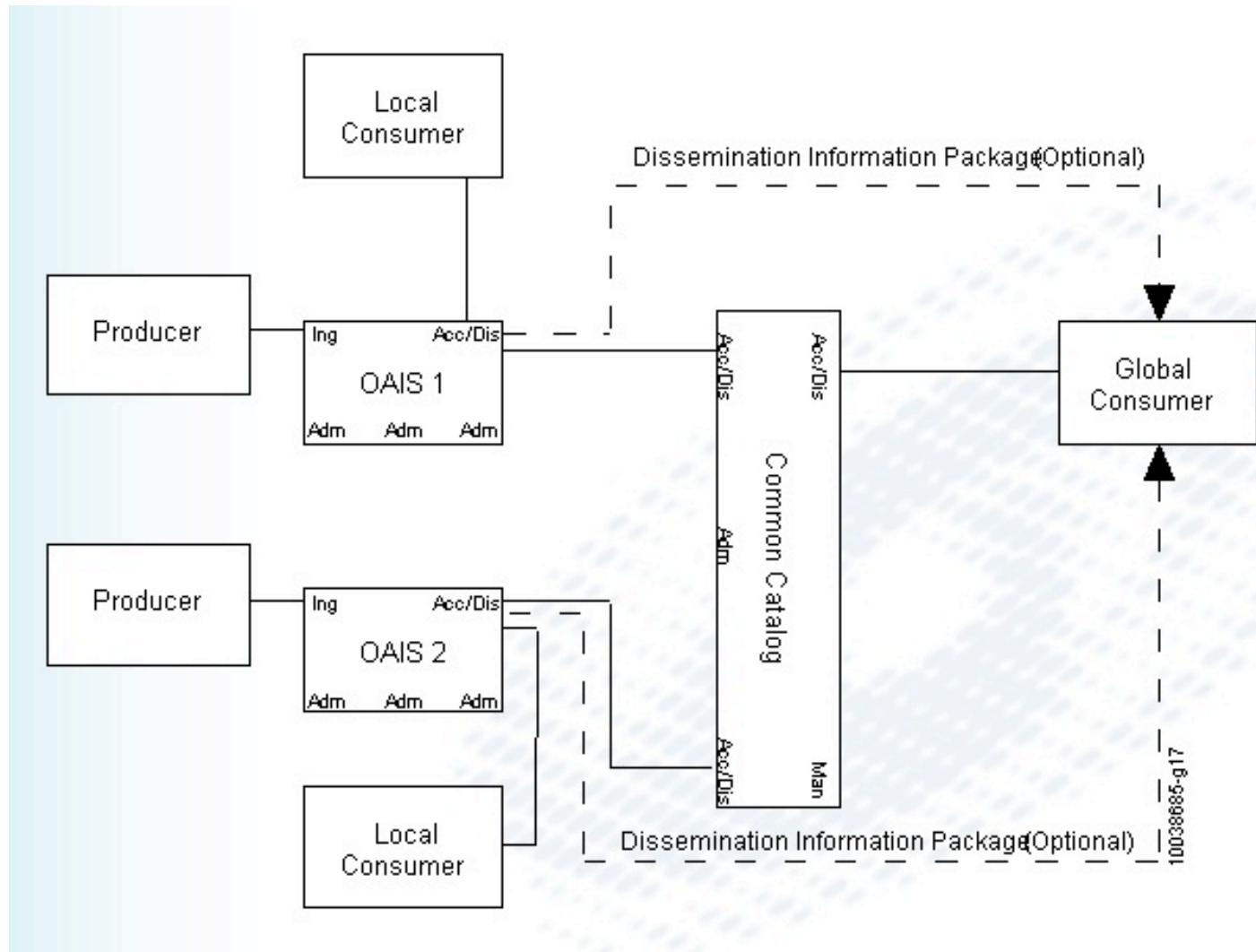
- “Digital libraries are a set of electronic resources and associated technical capabilities...
  - Focuses on the technical system
- “Digital libraries are constructed by and for a community of users...”
  - Focuses on process and service

# Content Landscape Model





# Federated Archives



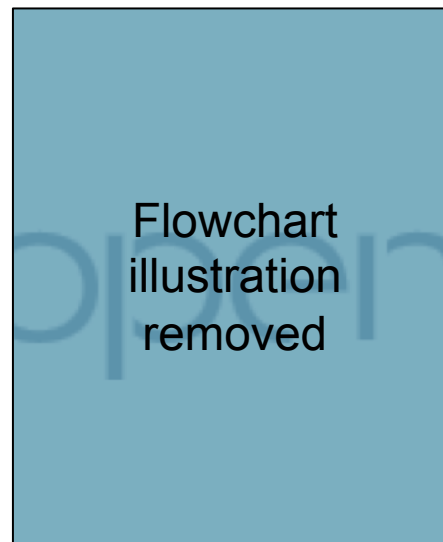
# What is a digital library anymore, anyway?

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to sustain

## Critical ideas

Looking forward



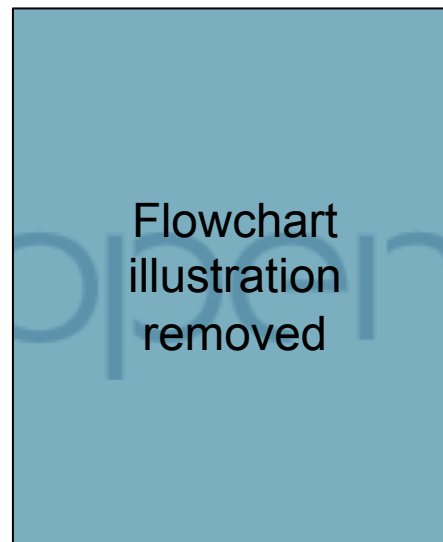
# Information Network Overlay

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to sustain

## **Critical ideas**

Looking forward



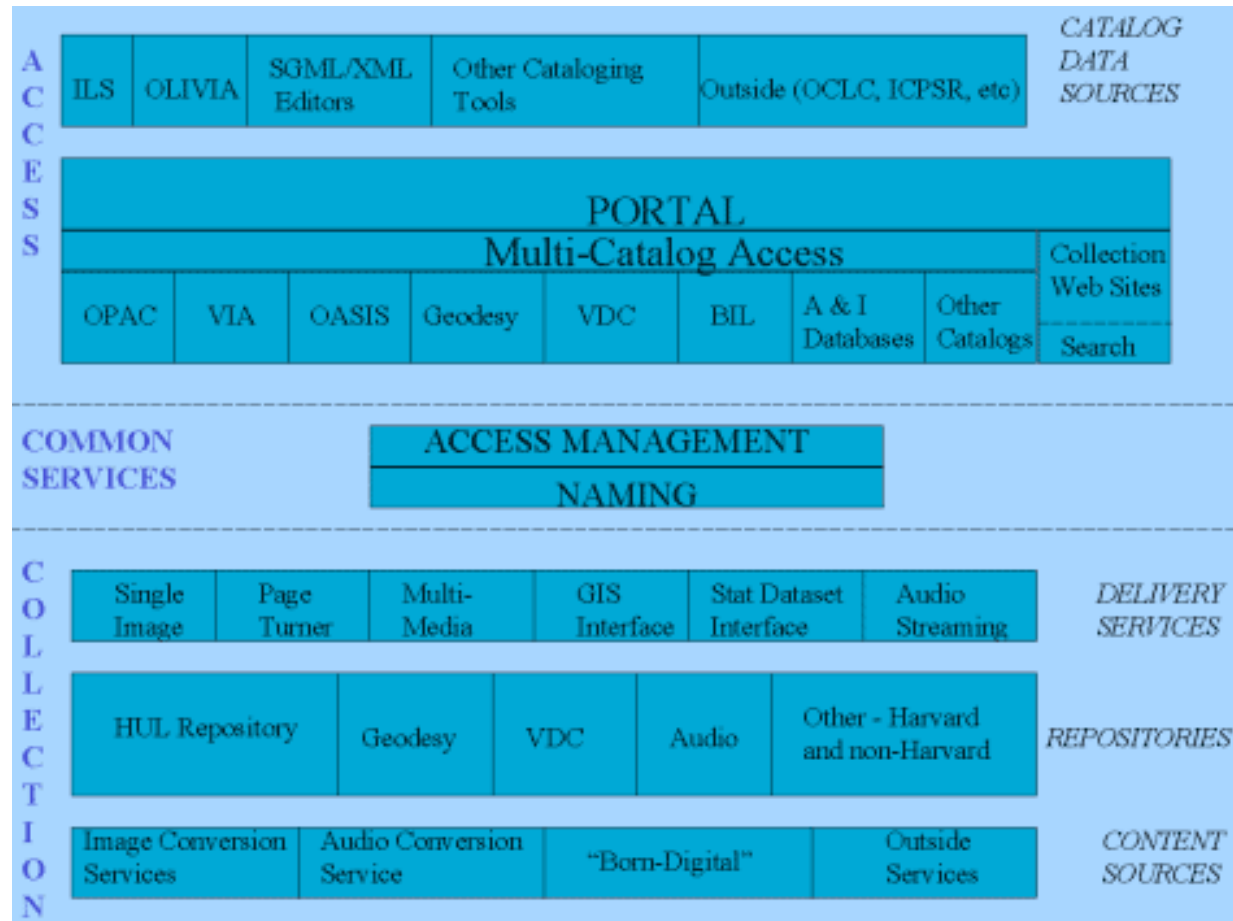
• Flecker, DLib Magazine.

# Harvard library digital architecture

to sustain

**Critical ideas**

Looking forward



# Where do we go from here?

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to sustain

Critical ideas

**Looking forward**

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

# Where do we go from here?

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to sustain

Critical ideas

**Looking forward**

- 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.

# Thank you!

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