

Corso di Biblioteche Digitali



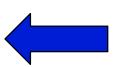
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- "Ricevimento" at the end of the lessons or by appointment
- Final assessment
 - 70% oral examination
 - 30% project (development of a small digital library))
- Reference material:
 - Ian Witten, David Bainbridge, David Nichols, How to build a Digital Library, Morgan Kaufmann, 2010, ISBN 978-0-12-374857-7 (Second edition)
 - Material provided by the teacher
- http://cloudone.isti.cnr.it/casarosa/BDG/



Modules



- Computer Fundamentals and Networking
- A conceptual model for Digital Libraries
- Bibliographic records and metadata
- Information Retrieval and Search Engines
- Knowledge representation
- Digital Libraries and the Web



• Hands-on laboratory: the Greenstone system



Parallel evolution



Libraries

- Description (documents)
 - Bibliographic records
 - MARC
- Interoperability
 - Z39-50
- Conceptual model (classes)
 - FRBR LRM for Works, Expr., Manif.
- Information Retrieval
 - Full text (catalogue and documents)

The Web

- Description (instances)
 - Metadata
 - Dublin Core
- Interoperability
 - OAI-PMH
- Conceptual model (classes)
 - RDF and RDF Schema for all resources (ontologies)
- Information Retrieval
 - Full text (web pages and resources)

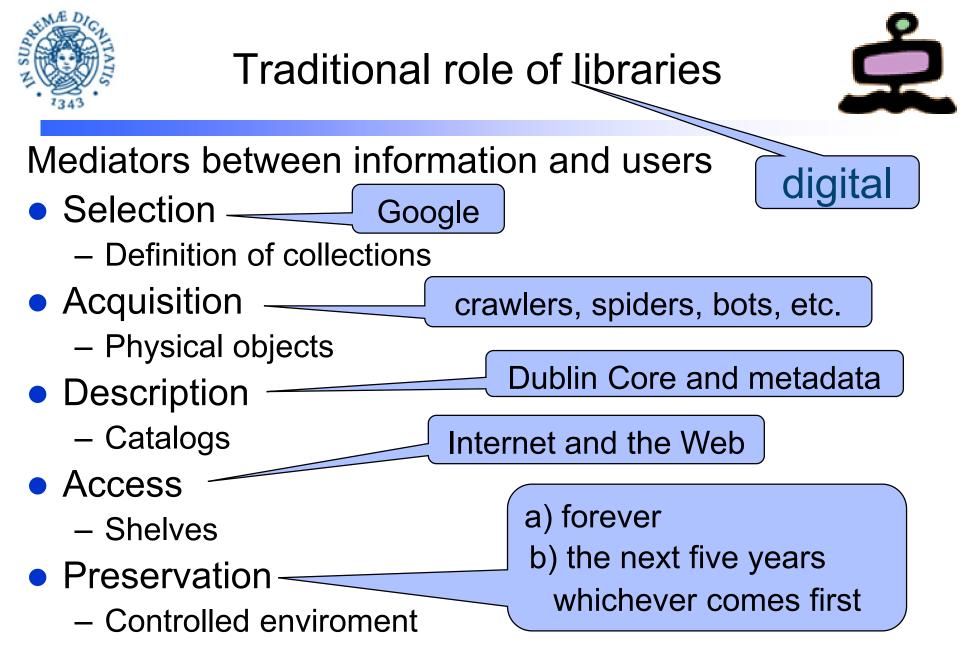


Recurring question



Will the Web become the ultimate (digital) library ?









- A Digital Library 's mission is, for a selected user community, to organize that community's information and make it universally accessible and useful to that community.
- Organize
- According to the needs of the user community (art, photographs, scientific data, ...)

Community's information

- Information (including data) generated by the community
- That can be reached through the web
- That can be licensed (or purchased)

(Universally) accessible

- Via internet (including via web search)
- Internationalized and localized

Useful: focussing on and meeting users' needs within the selected user community



Google's Mission



Google's mission is to organize the world's information and make it universally accessible and useful.

Organize

- By vertical/property: Scholar, Book Search, Product Search, News, Maps, etc
- By search

World's information

- What we can reach through the web
- What we license

Universally accessible

- Via internet
- Internationalized and localized

Useful: focussing on and meeting our users' needs

Is Google(*) the world's Digital Library?

* put here your favourite search engine





- Scale
- Information: broad versus deep coverage
- General versus specific communities (and therefore needs)
- Organizing principles (can be very different)
- Services provided: how we "add value" to information/data

Other considerations

- Profit
- Quality, conservation and preservation
- Authority



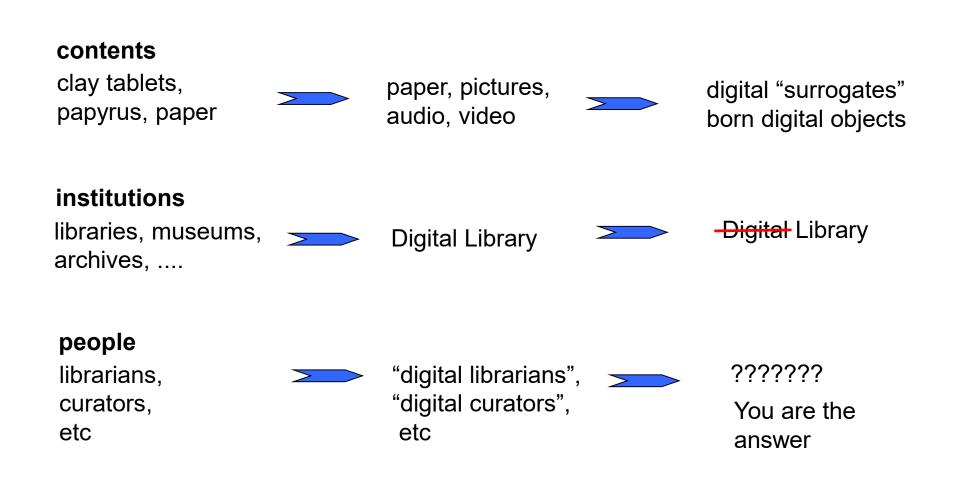


- Web Search (Google) and Digital Libraries share similar but complementary missions
- Celebrate the diversity of missions, and concentrate on strengths whether as web search engine or digital library
 - Web search engines: scale, universal delivery, universal services
 - Digital libraries: specialized collections, specialized services, "library" services
- Focus on delivering value to users through useful and relevant (web) services ("Focus on the user and all else will follow")
- Web search is a service that Digital Libraries should exploit to ensure universal access to information and services



The evolution of "libraries" (and "librarians")







That's the end, folks



Many thanks for your attention (and your patience)

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