

Aberystwyth University

Digital libraries: principles and practice in a global environment

Tedd, Lucy A.; Large, A.

Publication date:

2005

Citation for published version (APA):

Tedd, L. A., & Large, A. (2005). Digital libraries: principles and practice in a global environment. K. G. Saur.

General rights

Copyright and moral rights for the publications made accessible in the Aberystwyth Research Portal (the Institutional Repository) are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the Aberystwyth Research Portal for the purpose of private study or research.

 • You may not further distribute the material or use it for any profit-making activity or commercial gain

 • You may freely distribute the URL identifying the publication in the Aberystwyth Research Portal

Take down policy
If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

tel: +44 1970 62 2400 email: is@aber.ac.uk

Download date: 18. Apr. 2020

Digital Libraries: Principles and Practice in a Global Environment

Table of Contents

List of Figures and Table

Preface

Chapter 1 Digital libraries in context

- 1.1 Treasures from the World's Great Libraries
- 1.2 The Rise of Digital Libraries
- 1.3 The Traditional Library
- 1.4 Libraries and Information Media in Historical Context
- 1.5 Digital Libraries as a Global Resource
- 1.6 Digital Library Definitions
- 1.7 Why Digital Libraries?

References

Chapter 2 Digital libraries: users and services

- 2.1 User Access to Digital Libraries
- 2.2 Digital Libraries in Various Institutional Environments
 - 2.2.1 Museums
 - 2.2.2 National libraries
 - 2.2.3 Public libraries and institutions
 - 2.2.4 Research establishments
 - 2.2.5 Teaching and learning establishments
- 2.3 Personalized Digital Libraries
- 2.4 Digital Reference Services
- 2.5 Information Literacy
- 2.6 Barriers to User Access
 - 2.6.1 Visual or other physical impairment affecting access
 - 2.6.2 No appropriate technology
 - 2.6.3 ICT illiteracy
 - 2.6.4 Language barrier

References

Chapter 3 Digital information sources

- 3.1 Introduction
- 3.2 Full-Text Materials
 - 3.2.1 Scholarly ejournals
 - 3.2.2 Open access, eprint collections and open archives
 - 3.2.3 Ebooks
 - 3.2.4 Electronic newspapers
 - 3.2.5 Theses and dissertations
 - 3.2.6 Archives
- 3.3 Metadata Sources
 - 3.3.1 The catalogue
 - 3.3.2 Abstracting and indexing databases

- 3.3.3 Indexes to archives
- 3.4 Multimedia Material
- 3.5 Websites and Quality Issues
- 3.6 Suppliers of Some Digital Information Sources
 - 3.6.1 Scholarly ejournals
 - 3.6.2 Open access, eprint collections and open archives
 - **3.6.3** Ebooks
 - 3.6.4 Abstracting and indexing databases
- 3.7 Creating Digitized Sources

References

Chapter 4 Standards and interoperability

- 4.1 Introduction
- 4.2 Standards
- 4.3 Interoperability
- 4.4 Metadata
 - 4.4.1 MARC
 - 4.4.2 Dublin Core
 - 4.4.3 The International Standard Archival Description (General)
 - 4.4.4 Encoded Archival Description
 - 4.4.5 Text Encoding Initiative
 - 4.4.6 Resource Description Framework
 - 4.4.7 Metadata Encoding and Transmission Standard
 - 4.4.8 CIMI XML
- 4.5 Presentation Standards
 - 4.5.1 Character encoding
 - 4.5.2 Formats
 - 4.5.3 Markup languages
- 4.6 Digital Object Locators
- 4.7 Protocols
 - 4.7.1 Z39.50
 - 4.7.2 Open Archives Initiative-Protocol for Metadata Harvesting
- 4.8 Continuity and Change

References

Chapter 5 Organizing access to digital information sources

- 5.1 Introduction
- 5.2 Software Developed from Library Management Systems
 - 5.2.1 EnCompass from Endeavor
 - 5.2.2 Metalib and DigiTool from Ex Libris
 - 5.2.3 Hyperion and Ilink from Sirsi
 - 5.2.4 Millennium from Innovative Interfaces
- 5.3 Software Developed from Document/Information/Museum Management Systems
 - **5.3.1 CAIRS**
 - 5.3.2 CALM
 - 5.3.3 InMagic

- 5.3.4 Ke EMu
- 5.3.5 Content management software
- 5.4 Open Source Software for Digital Library Development
 - 5.4.1 CERN Document Server software
 - 5.4.2 DSpace
 - 5.4.3 EPrints Archive Software
 - 5.4.4 Greenstone
- 5.5 Digital Library Architecture

References

Chapter 6 Interface design

- 6.1 Introduction
- 6.2 Interface Design Principles: An Overview
- 6.3 Interface Design Rules
- 6.4 Interfaces for Digital Libraries
 - 6.4.1 Content overview
 - 6.4.2 Searching and browsing
 - 6.4.3 Display of retrieved information
 - 6.4.4 Personalization
 - 6.4.5 Help
- 6.5 Interface Developments
- 6.6 Interfaces for Specific User Communities
 - 6.6.1 Interfaces for young users
 - 6.6.2 Interfaces for users with visual handicaps
- 6.7 Languages and Interface Design
- 6.8 Cultures and Interface Design
- 6.9 Interface Evaluation

References

Chapter 7 Searching and browsing

- 7.1 Libraries and Information Seeking
- 7.2 Searching
- 7.3 Browsing
- 7.4 Information Display
- 7.5 Searching Multilingual Collections
 - 7.5.1 Machine translation
 - 7.5.2 Cross-language information retrieval
- 7.6 Searching Visual and Sound Sources
 - 7.6.1 Automatic indexing of non-text material
 - 7.6.2 Automatic image indexing
 - 7.6.3 Automatic indexing of audio content
- 7.7 User Feedback on Searching and Browsing References

Chapter 8 Practical issues

- 8.1 The Management of Change
- 8.2 Users' Needs

- 8.3 Planning
- 8.4 Requirement Specification
- 8.5 Selection
- 8.6 Installation
 - 8.6.1 Health and safety issues
 - 8.6.2 Training
 - 8.6.3 Documentation and help
 - 8.6.4 Authentication, authorization and access
 - 8.6.5 Security issues
- 8.7 Running
- 8.8 Evaluation
- 8.9 Consortia
 - 8.9.1 Regional consortia
 - 8.9.2 National consortia
 - 8.9.3 Multinational consortia
- 8.10 Intellectual Property Rights
- 8.11 Preservation Issues
- 8.12 Staff Aspects
- 8.13 Principles for Digital Library Development
- 8.14 Further Sources of Information

References

Chapter 9 Case Studies

- 9.1 Introduction
- 9.2 Open Library, Open University, UK
 - 9.2.1 Background to the institution
 - 9.2.2 Background to the library
 - 9.2.3 Digital library implementation and use
- 9.3 Biblioteca Mario Rostoni, Università Carlo Cattaneo, Italy
 - 9.3.1 Background to the institution
 - 9.3.2 Background to the library
 - 9.3.3 Digital library implementation and use
- 9.4 University of Moratuwa Library, Sri Lanka
 - 9.4.1 Background to the institution
 - 9.4.2 Background to the library
 - 9.4.3 Digital library implementation and use
- 9.5 Vidyanidhi Digital Library, University of Mysore, India
 - 9.5.1 Background to the institution
 - 9.5.2 Background to the Vidyanidhi Digital Library Project
 - 9.5.3 Vidyanidhi Digital Library and E-Scholarship Portal

- 9.6 ELibrary Hub and Digital Library, National Library Board, Singapore
 - 9.6.1 Background to the institution
 - 9.6.2 ELibraryHub and the Digital Library
- 9.7 The International Children's Digital Library, University of Maryland, US
 - 9.7.1 Background to the institution
 - 9.7.2 Background to the ICDL
 - 9.7.3 ICDL implementation and use
- 9.8 Archives, McGill University, Montreal, Canada
 - 9.8.1 Background to the institution
 - 9.8.2 Background to the Archives
 - 9.8.3 Implementation and use of the digitized collections
- 9.9 National Library of Wales, Aberystwyth, UK
 - 9.9.1 Background to the institution
 - 9.9.2 Background to digital library development
 - 9.9.3 Implementation and use of the digitized collections References

Acronym List

Index