

Digital Libraries, WWW, and Educational Technology: Lessons Learned

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Projects

- * Envision (NSF IRI-9116991)
- * Interactive Learning with a DL
(NSF CDA 9312611)
- * MARIAN
- * NCSTRL (ARPA, NSF)
- * SUCCEED (NSF EID-9109853)
- * TULIP
- * WATERS (NSF CDA-9308259)



Introduction

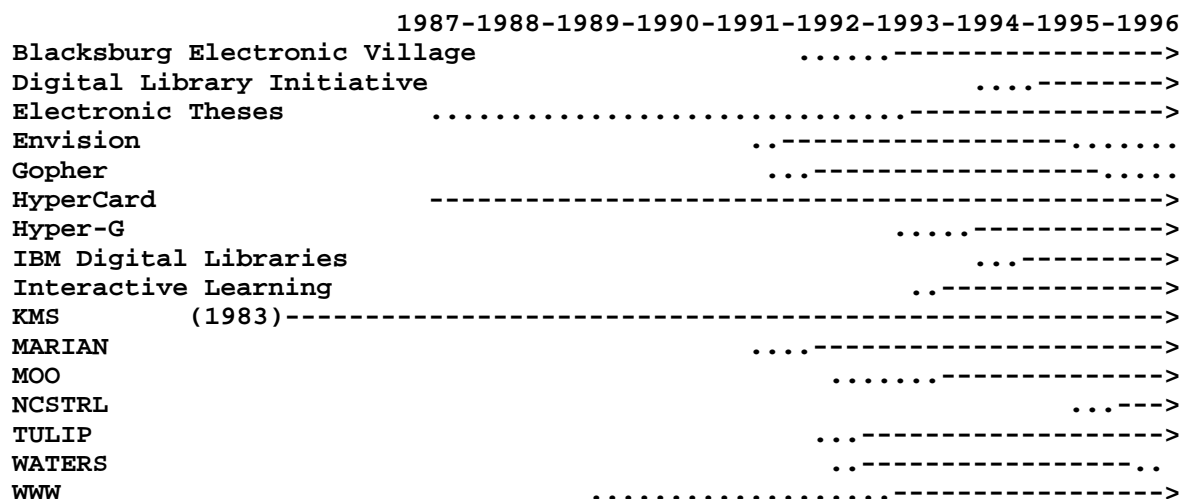


Figure 1: Timeline of Recent Information and Digital Library Systems



Digital Library Projects

Introduction

- * SIGIR DL Page

http://info.sigir.acm.org/sigir/digital_lib.html

- * DL'97: Philadelphia, July 23-26
(before ACM SIGIR'97)

- * Tutorial

<http://ei.cs.vt.edu/~fox/CIKM95tut/>

- * D-Lib

<http://www.dlib.org/>

- * Working Groups

<http://www.dlib.org/groups.html>

- * Title Index

<http://www.dlib.org/title-index.html>

- * VT Projects

<http://scholar.lib.vt.edu/digilib/>

- * IBM Digital Libraries

<http://204.146.47.71:80/is/dig-lib/>

TULIP

<http://www.elsevier.nl/info/projects/tulip.html>

BEV History

<http://history.bev.net/bevhist/>

- * Timeline



Digital Library Projects cont'd

Electronic Theses and Dissertations

<http://etd.vt.edu/etd/>

- * Submission
- * Library page



Envision

- * Envision results screens
- * Digital libraries for CS
<http://fox.cs.vt.edu/DLCS.html>
- * Dienst <http://researchsmp2.cc.vt.edu:8090/>
 - * Search
 - * Results
 - * Doc

NCSTR

<http://www.ncstrl.org/>

- * Browse
 - * Sites
 - * Years
- * Search
 - * Search
 - * Results
 - * Doc



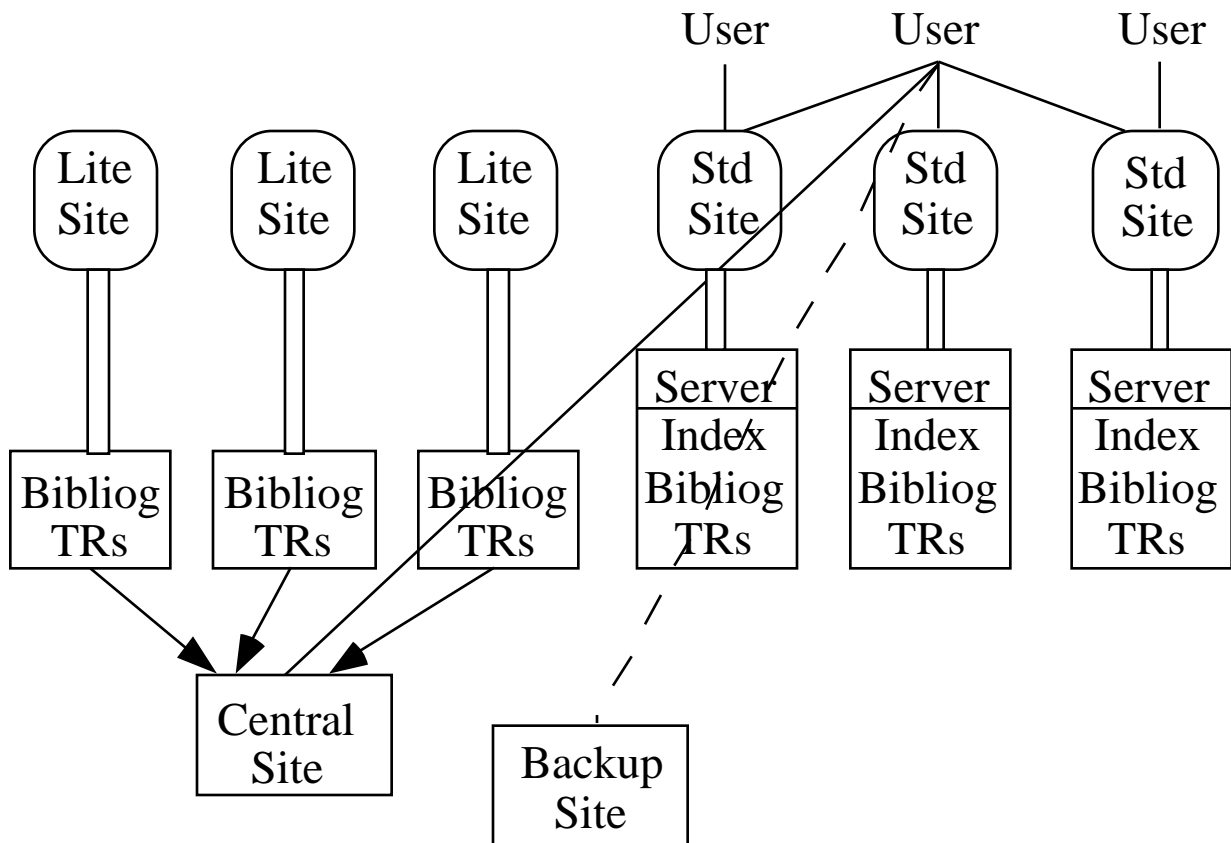


Figure 2: NCSTRL Architecture



WWW and Education

EI Project

- * Project management



EI Tools

- * SWAN
- * Virtual Q&A
- * QUIZIT

EI Courses

- * CS1604
 - Outline
 - Map
- * CS3604
 - Debates
- * CS4624
 - Outline
 - Figures with captions
 - Projects
 - Quiz (koofer)
- * CS5604
 - Course Format (PSI)



WWW and Education cont'd

Usage

+ Sources of variation

- * Daily schedule, Semester schedule
- * Local and remote users
- * Student work habits



+ Excel graphs (18 months)

- * Accesses
- * Bytes



+ 18 months

- * All
- * Remote
- * Local
- * History
- * 1206: 96
- * 1604
- * 4624
 - 95
 - 96
- * 5604



WWW and Education cont'd

Usage cont'd

+ **95/4/30**

- * All



- * 1604

- * 4624

+ **95/12/03**

- * All

- * Remote

- * Local



- * History

- * 1604

- * 5604

+ **96/2/18**

- * All

- * Remote

- * Local



- * History

WWW and Education cont'd

Usage cont'd

+ **96/4/28**

- * All
- * Remote
- * Local
- * History
- * 1206
- * 1604
- * 4624



+ **96/5/26**

- * All
- * Remote
- * Local



Conclusions

- * **DLs** = integral part of
educational technology support
- * **Join projects:**
 - * electronic theses and dissertations
 - * CS technical reports
 - * CS literature access
- * **Use our courseware and add to it**
- * **Work toward “Open Digital Library”**