DELOS NoE
on Digital Libraries

Evaluation Plans for TEL

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Comparative Evaluation of TEL and Daffodil

- Systems: TEL, Daffodil
- Evaluation framework
- Evaluation method
- Conclusion

Systems: TEL, Daffodil

TEL: Query formulation

Daffodil: Query formulation

TEL result list

SEARCH RESULTS [?]

Matches for '(title all "digital library")'.

EU	Online books, images, maps, music...	2
UK	British Library integrated catalogue	197
PT	Biblioteca Nacional (Portugal)	2
FR	BN-OPALE PLUS	0
DE	Online catalogue of the Deutsche Bibliothek	-
FI	HELKA	17
IT	SBN OPAC	16
NL	General Catalogue Koninklijke Bibliotheek	72
CH	HELVETICAT	3
SI	National Library Catalogue (KatNUK)	22
HR	Croatian National Bibliographies of Books :	0

SEARCH

☐ search within results (title all "digital library")

British Library integrated catalogue - UK -

197 objects with (title all "digital library") have been found in 'British Library integrated catalogue'.

jump to [page] GO

1 ▸ Designing and building integrated digital library systems - guidelines / by Bente Dahl Rathje ... [et al.].
Rathje, Bente Dahl.
Document type: **text** , **language materials** , **monograph** | Language: **eng**

2 ▸ LIDA 2005.
Document type: **text** , **language materials** , **part** | Language: **eng**

3 ▸ Peer-to-peer, grid, and service-orientation in digital library architectures : 6th thematic workshop of the EU Network of Excellence DELOS , Cagliari, Italy, June 24-25, 2004 : revised selected papers / Can Tu¨rker, Maristella Agosti, Hans-Jo¨rg Schek, eds.
Thematic workshop of the EU Network of Excellence DELOS (6th : 2004 Jun : Cagliari, Italy) / Türker, Can. / Agosti, Maristella. / Schek, H.-J.
Document type: **text** , **language materials** , **monograph** | Language: **eng**

4 ▸ Exploring the digital library : a guide for online teaching and learning / Kay Johnson and Elaine Magusin.
Johnson, Kay, 1963- / Magusin, Elaine.
Document type: **text** , **language materials** , **monograph** | Language: **eng**

5 ▸ Knowledge organization in digital environment in libraries (KODEL) : introspect and prospects / chief editor, M. Madhusudhan.
Madhusudhan, M.
Document type: **text** , **language materials** , **monograph** | Language: **eng**

6 ▸ Digital terrain modeling : acquisition, manipulation, and applications / Naser El-Sheimy, Caterina Valeo, Ayman Habib.

Daffodil: Search progress
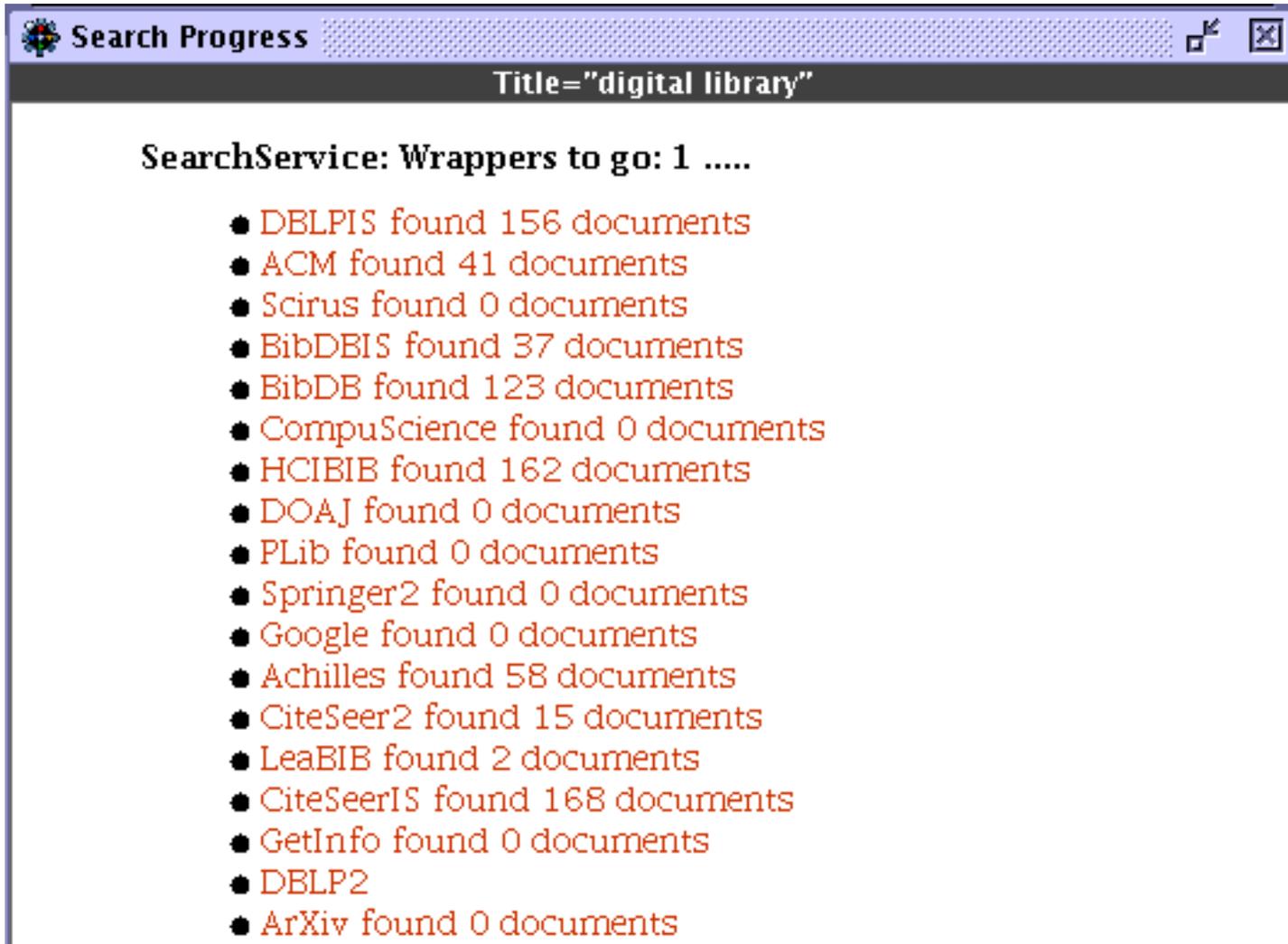
Search Progress

Title="digital library"

SearchService: Wrappers to go: 1 .....

- DBLPIS found 156 documents
- ACM found 41 documents
- Scirus found 0 documents
- BibDBIS found 37 documents
- BibDB found 123 documents
- CompuScience found 0 documents
- HCIBIB found 162 documents
- DOAJ found 0 documents
- PLib found 0 documents
- Springer2 found 0 documents
- Google found 0 documents
- Achilles found 58 documents
- CiteSeer2 found 15 documents
- LeaBIB found 2 documents
- CiteSeerIS found 168 documents
- GetInfo found 0 documents
- DBLP2
- ArXiv found 0 documents

Daffodil: Result list

TEL: Detail view

British Library integrated catalogue - UK -

197 objects with (title all "digital library") have been found in 'British Library integrated catalogue'.

BRITISH LIBRARY

1

Designing and building integrated digital library systems - guidelines / by Bente Dahl Rathje … [et al.].

AVAILABLE AT LIBRARY

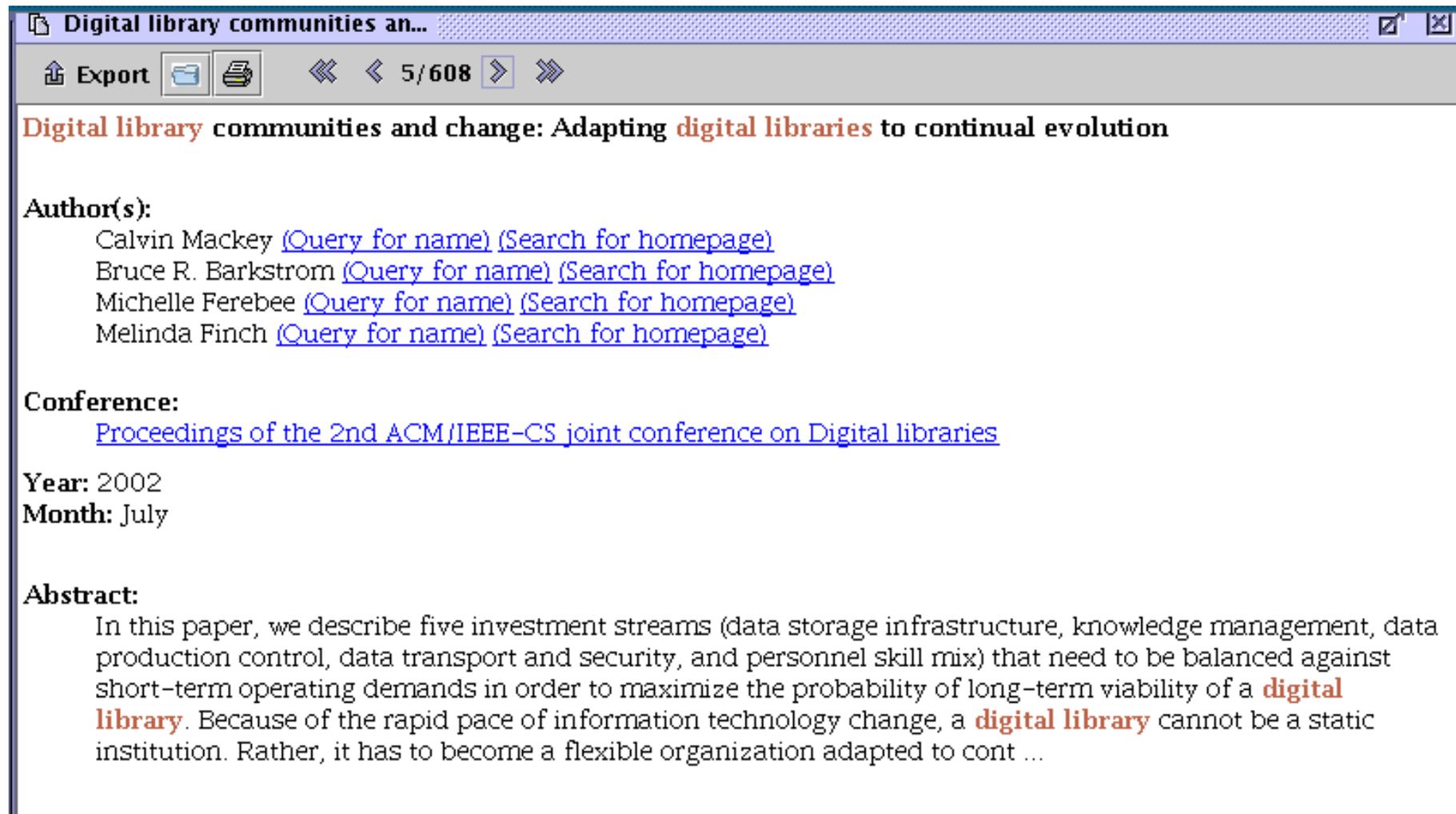|	
Title	Designing and building integrated digital library systems - guidelines / by Bente Dahl Rathje … [et al.]. ⠀ IFLA professional reports, 0168-1931 ; no. 90
Author	Rathje, Bente Dahl.
Type	text
	language materials
	monograph
Language	eng
Publisher	The Hague : International Federation of Library Associations and Institutions, c2005.
ISBN	9077897054 (pbk.)
Location	British Library : DSC : 4363.305500 : no. 90
Issued	2005
Extent	65 p. ; 30 cm.
tel:recordId	013333529

Daffodil: Detail view

Systems: TEL vs. Daffodil

- Commonalities:
  - Front-end to a federation of heterogeneous digital libraries
  - User-friendly interface, supporting mouse-based interactions
  - Similar search dialogue

- Differences
  - TEL is browser-based (Javascript)
    - No setup for user
    - Limited mouse interaction
  - Daffodil uses a client written in Java
    - Setup (download & install) required
    - Richer mouse interaction
  - Daffodil desktop contains various tools
    - (some of them are applicable to the TEL domain)

Daffodil: Necessary changes and extensions

- ## Wrappers for the TEL libraries
  - Z39.50, SRU/SRW, OAI

- ## Query processing:
  - Incremental generation of result list
    (instead of waiting till all DLs have responded)
  - Initial result display: grouped by DL
    merging upon request

- ## Inclusion/adaption of tools:
  - Extraction of authors, keywords
  - Clipboard
  - Personal library

Evaluation framework
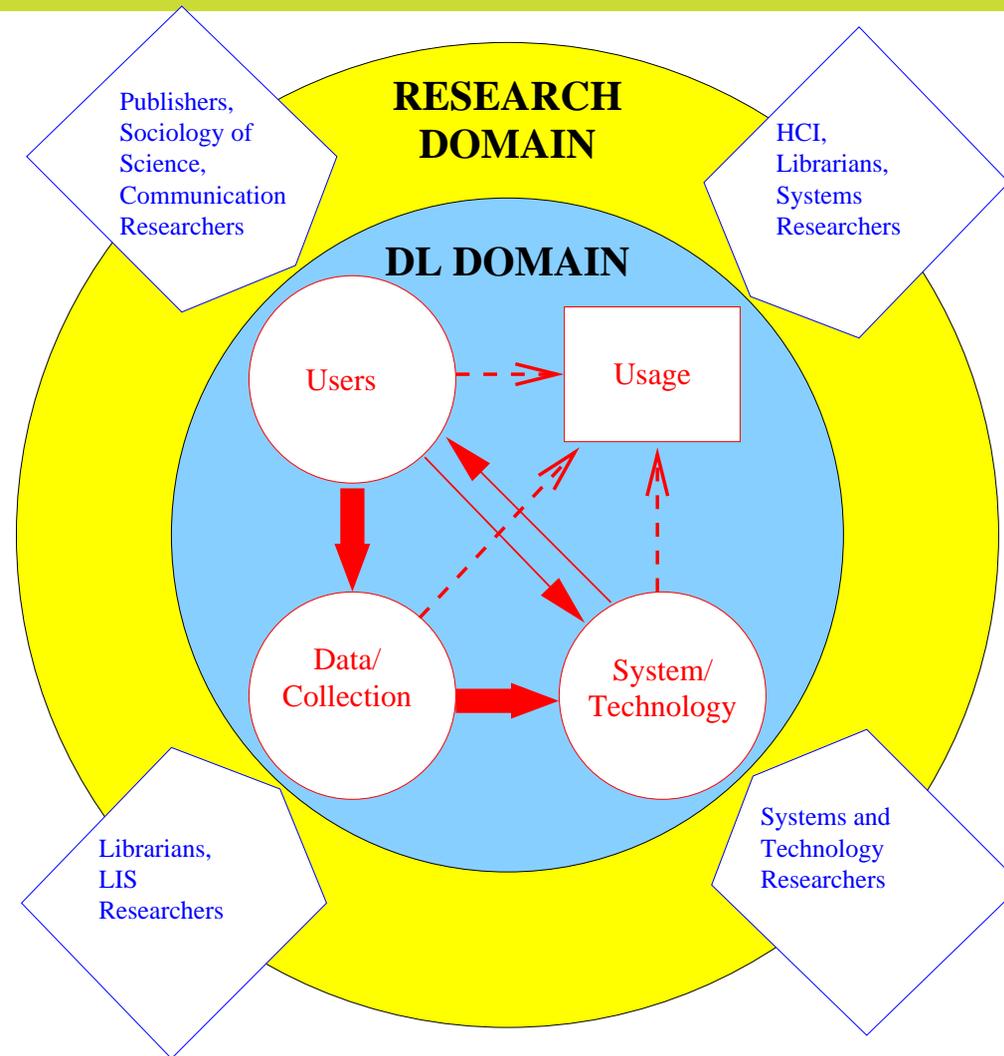
Collection

The European Library's default collections:

- British Library integrated catalogue
- Biblioteca Nacional (Portugal)
- BN-OPALE PLUS
- Online-Katalog Der Deutschen Bibliothek
- HELKA
- SBN OPAC
- General Catalogue Koninklijke Bibliotheek
- HELVETICAT
- National Library Catalogue (KatNUK)
- Croatian National Bibliographies of Books: 1990-2003
- Serbian Union Catalogue COBIB.SR

Users & Usage

- ## Users:
  DL stakeholders

  - End users
  - Librarians

- ## Usage:
  task scenarios to be developed

Evaluation methods

- Analytical evaluation:

Is the design right?

- Empirical evaluation:

Is it the right design?

Analytical evaluation

- Analytical evaluation:

Is the design right?

Start of evaluation:

- Explores how the TEL and Daffodil interface facilities are useable, learnable and comparable

At the end of evaluation:

- Examines how the TEL and Daffodil interface facilities are in alignment with the user requirements gathered from the empirical evaluation

Empirical evaluation

- Empirical evaluation:

Is it the right design?

Perspectives:

- User characteristics, preferences and strategies
- Types of activities that the users do (to plan the task scenarios)
- The environments in which TEL and Daffodil are used, in natural or controlled laboratory settings

Evaluation steps for empirical evaluation

- Acquisition of resources: equipment, instruction materials, recording technology, selection of representative users
- Briefing meetings with groups of users
- Search sessions and interviews with users
- Debriefing with groups of users
- Transcription of recorded data
- Data analysis
- Reporting

Conclusion

- Comparative evaluation of two similar systems
- Will yield valuable output wrt. strengths/weaknesses of the TEL system
- Basis for possible further development