

Table 1: Overview of Sites Surveyed

RESOURCE	ORGANIZATIONAL MODEL	SUBJECT	FUNCTION	AUDIENCE SERVICE LEVEL	STATUS	SIZE	SOURCE of SIZE
<a href="#">AARLIN: the Australian Academic and Research Library Network</a>	National membership organization of Australian academic & research libraries	Cross-disciplinary	One-stop resource-discovery tool; single search system across multiple proprietary and local databases	Academic community	Under development in Phase 2 of pilot open only to members	22 Australian libraries	Web site
<a href="#">Advanced Library Collection Management Environment (OCLC)</a>	OCLC	Cross-disciplinary	Suite of open source tools to build a distributed library collection management system	Digital library developers	Experimental basis w/ preliminary applications of Electronic Theses/Dissertations OAI Union Catalog and XTCat	38,000 in ETD OAI Union Catalog and 4.3 million in XTCat	Web sites
<a href="#">American Memory: Historical Collections for the National Digital Library (Library of Congress)</a>	Library of Congress in public-private partnership	Cultural heritage: Americana	Gateway to rich primary source materials relating to the history and culture of the United States.	Interested public and educators	Established	100 collections and over 7 million digital items of which some 136,000 OAI-compliant images & texts	Web site and Arms (2003)
<a href="#">AmericanSouth.org</a>	Emory w/ regional association and foundation funding	Cultural heritage: American South	Scholar-designed portal with collaboratively created digital collection	Interested public	Under development for fall 2003 release	18 archives and 28,775 records	Web site
<a href="#">Arc</a>	Old Dominion University w/out base funding	Cross-disciplinary	Cross archive digital search service harvests OAI compliant repositories	Research community	Experimental research service	163 distinct archive groups and 6,449,515 records of which 4,372,940 from xCat	email from X. Liu on 7/23/03 plus Web site
<a href="#">ARCHON</a>	Old Dominion University, Los Alamos Nat'l Lab, American Physical Society, CERN, Am. Inst. Of Physics	Science: physics	A Digital Library that federates Physics collections with varying degrees of metadata richness	Research community	Under development	5 distinct archive groups and 327,363 records of which 229,076 from arXiv	Web site
<a href="#">ARL Scholars Portal</a>	National institutional membership organization; pilot project at 7 ARL libraries	Cross-disciplinary	Portal with single search interface to multiple databases	Academic community	Under development	7 ARL libraries in initial stage	ARL Web site
<a href="#">arXiv.org</a>	Originally LANL, now Cornell w/ NSF support	Science: physics, math, non-linear science, computer science	Automated e-Print archive server; distribution system without peer review	Research community	Established	estimated 230,000 records; usage stats also at Web site	Web site plus ARCHON
<a href="#">BEN: A Digital Library of the Biological Sciences for Biology Teaching</a>	Collaborative sponsored by the American Association for the Advancement of Science and other professional organizations	Science: biological sciences	Portal to digital libraries for teaching & learning in the biological sciences	Educators	Established	over 1,000 reviewed resources covering 51 biological science topics	Web site
<a href="#">Citebase</a>	University of Southampton	Science: physical, mathematical, computer science, psychology, neuroscience, and biomedical	Online services, resources and tools to support self-archiving movement.	Research community	Experimental research service, "not ready for evaluation"	estimated 202,300 research papers from arXiv, Cogprints and BioMed Central	Web site
<a href="#">CiteSeer (aka ResearchIndex)</a>	NEC Research Institute, Inc.	Science: computer science	Computer science Web crawler w/ reference linking, citation analysis, recommender system	Research community	Experimental	500,000 papers; 100,000 visits daily	Pacchioli [2003]
<a href="#">Cornucopia</a>	Resource: The Council for Museums, Archives, & Libraries	Cultural heritage	Comprehensive database <i>about</i> UK museum collections.	Interested public	Under development (in beta test)	1800 UK museums w/ basic records & 500+ w/ full records from two regions	Web site
<a href="#">Cyclades</a>	European Commission, IST Programme	Cross-disciplinary	Digital Library Environment: Open, collaborative virtual archive service environment	Research community	Under development	Not available	
<a href="#">DLESE: Digital Library for Earth Systems Education</a>	Community-based organization w/ NDSL funding	Science: geosciences	Information system to facilitate learning about the Earth system at all educational levels	Academic community; Educators--all levels	Under development	View "All Resources" for bar graphs w/ records per collection	Web site
<a href="#">Electronic Theses/Dissertations OAI Union Catalog</a>	OCLC in collaboration w/ NDLTD	Cross-disciplinary: ETDs	Union catalog built for OAI harvesting of electronic theses and dissertations.	Academic community	Experimental	38,940 records from 20 institutions including 8,264 from XTCat (Worldcat extract)	Web site

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<a href="#">ENC Online: Eisenhower National Clearinghouse for Mathematics and Science Education</a>	Ohio State University under contract with the U.S. Department of Education	Science: math & science	Online math and science K-12 resource center	Educators: K-12	Established w/ annual federal funding	26,000 catalog records of which 2,500 describe electronic resources	On-site interview with Lightle and Sinutis on 7/30/03
<a href="#">Flashpoint (Los Alamos National Laboratory)</a>	LANL	Science	Multi-database search tool for in-house use only	Research community	Established	5,814 journals online, 3.4 million full-text articles, 68 million citation records	Phone conversation w/ Irma Holtkamp on 7/28/03
<a href="#">GILS (Global Information Locator System)</a>	Public/private partnership	Cross-disciplinary	Access to government information	Interested public	Established	Not available	
<a href="#">Grainger Engineering Library at University of Illinois-Urbana-Champaign</a>	University of Illinois w/ Mellon Foundation funding	Science: engineering, computer science, physics	OAI metadata harvesting aggregator in sciences	Research community	Established	12 repositories w/ 443,017 records	Web site
<a href="#">Heritage Colorado (Colorado Digitization Program)</a>	Funded by Colorado Dept. of Education w/ Virtual Library of Colorado partner & ILMs support	Cultural heritage: all aspects of Colorado history, culture, government and industry	Collaborative effort of Colorado's archives, historical societies, libraries, and museums to make digital collections available to people of Colorado	Interested public: Coloradians	Established	51 participating partners; 18,813 OAI-complaint records from 17 instns.	Web site and email from Bishoff 7/28/03
<a href="#">INFO-MINE. Scholarly Internet Resource Collections</a>	UC-Riverside and national network of libraries w/ IMLS funding	Cross-disciplinary	Referratory of expert and machine-gathered scholarly Internet resources	Academic community	Established	105,126	Web site
<a href="#">MacquarieNet</a>	Fee-based subscription service w/ Australian perspective	Cross-disciplinary	Web database: Online "encyclopedia", school reference tool w/ teacher support services	Educators & students: K-12	Established	Not available	
<a href="#">MERLOT</a>	Community-based with free open individual or partner membership	Cross-disciplinary	Multi-media Education Resource for Learning & Online Teaching; peer reviewed Internet resources	Academic community	Established	9,500 learning materials	Web site
<a href="#">NASA Technical Report Server (NTRS)</a>	NASA	Science: aerospace (writ large)	Technical Reports Server to collect, archive and disseminate scientific papers	Research community; Interested public	Under development	553,921 records of which est. 284,000 full-text and less than 15,000 from NASA agencies; 6,000-7,000 searches per mth	Web site and email from Nelson on 8/04/03
<a href="#">NDLTD Union Catalog</a>	NDLTD (incorporated as a non-profit organization) with VTLS	Cross-disciplinary: ETDs	Union catalog of ETDs	Academic community	Under development	Same as Electronic Theses & Dissertations OAI Union Catalog	Interview w/ Young & Hickey on
<a href="#">Networked Digital Library of Theses &amp; Dissertations (NDLTD)</a>	Federation of member institutions & organizations that publish ETDs	Cross-disciplinary: ETDs	Aims to improve graduate education by developing accessible digital libraries of theses and dissertations	Academic community	Established	190 NDLTD members: 160 member universities, including 6 consortia, 24 institutions	Web site
<a href="#">NSDL: National Science Digital Library</a>	NSF	Science: science, technology, engineering and mathematics	A digital library of exemplary resource collections and services, organized in support of science education	Educators; Digital library developers; Interested public; Funding/policy partners	Under development w/ new release slated for October 2003	199 collection records and 301,702 item records of which 204,888 from arXiv	Email from Terrizzi on 7/30/03; phone interview with Saylor on 9/5/03
<a href="#">OAIster</a>	University of Michigan in partnership w/ U of Illinois and Mellon initial funding	Cross-disciplinary	Collection of freely available, difficult-to-access, academically-oriented digital resources that are easily searchable	Academic community	Established w/ uncertain funding	195 "institutions" and 1,538,431 item records	Web site
<a href="#">OLAC: Open Language Archives Community</a>	International partnership of institutions and individuals	Language resources	Network of language archives conforming with the Open Archives Initiative; Virtual library	Academic community	Established	25 archives comprising 19,879 records	Web site
<a href="#">Online Books Page</a>	University of Pennsylvania	Cross-disciplinary	Web site that facilitates access to online books free on the Internet	Interested public	Established	20,000+ books indexed with 400+ OAI-complaint full-text	Web site
<a href="#">Open Archives Initiative</a>	DLF, CNI, NSF	Cross-disciplinary	Develops and promotes interoperability standards that aim to facilitate the efficient dissemination of content	Digital library developers	Established	Unknown but est. 108 registered data providers and 11 registered service providers (includes aggregators, e.g. OAIster)	Web site

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<a href="#">Open Archives Initiative Metadata Harvesting Project</a>	U of Illinois w/ U of Michigan and Mellon initial funding	Science (see Grainger Engineering Library) & Cultural Heritage (see UIUC Digital Gateway)	Create and implement a suite of OAI-based metadata harvesting services, search services, and tools to facilitate discovery & retrieval of scholarly works	Academic community	Under development	See Grainger & UIUC Digital Gateway to Cultural Materials; no centralized repository	Email from Timothy Cole on 7/28/03
<a href="#">Perseus Digital Library</a>	Tufts University, Classics Dept. w/ NEH, NSF, & other public-private funders	Humanities	Evolving digital library of resources for the study of the humanities	Interested public	Established	Not available	
<a href="#">PubMed Central</a>	U.S. National Library of Medicine	Science: life sciences	Voluntary publisher-based archiving of life sciences journal literature	Research community	Established	100,000 full-text articles from 130 journals	Complete journal list at Web site
<a href="#">Sciirus (Elsevier)</a>	Elsevier	Science	Science-specific search engine	Research community	Established	Crawls over 135 million science-related pages, consisting of 120 million Web pages, as well as 17 million records from both proprietary & OAI-compliant sources	Web site
<a href="#">Sheet Music Consortium</a>	UCLA, Indiana University, Johns Hopkins, Duke, LC	Humanities: Music	OAI aggregator of sheet music	Interested public	Under development	100,000	Web site
<a href="#">SMETE: Science, Math, Engineering and Technology Education Library</a>	Open Federation, voluntary membership w/ partners and affiliates funded by NSF & other public/private agencies	Science: science, technology, engineering and mathematics	Collection of collections and community of communities	Educators: all levels	Established	Not available	
<a href="#">Subject Portals</a>	Resource Discovery Network a cooperative of UK institutions	Cross-disciplinary: five subject hubs: bio-medical sciences; engineering, maths and computer sciences; humanities; physical sciences and social sciences	Portal: network service that brings together content from diverse distributed resources using technologies such as cross searching, harvesting, and alerting, and collates this into an amalgamated form for presentation to the user.	Academic community	Under development	Varies	
<a href="#">U.S. States Implementing GILS</a>	Self-selected state governments implementing GILS	Cross-disciplinary	Web service using GILS standard to define search and locate state government information	Interested public	Established	Not available	
<a href="#">UIUC Digital Gateway to Cultural Heritage Materials</a>	U of Illinois w/ U of Michigan and Mellon initial funding	Cultural heritage	OAI aggregator of cultural heritage materials	Academic community	Under development	413,563 records from 25 OAI-compliant metadata providers	email correspondence with Shreeves on 7/28/03
<a href="#">Voice of the Shuttle: Web site for Humanities Research</a>	UC-Santa Barbara, English Dept.	Humanities	Database that serves content dynamically on the Web for humanities research	Academic community	Established	Not available	
<a href="#">XTCat NDLTD/NDLTD Union Catalog</a>	OCLC w/ NDLTD	Cross-disciplinary: ETDs	OAI-complaint database of 4.3 million bibliographic records of theses & dissertations extracted from WorldCat	Academic community	Experimental	4.3 million records of which circa 8,000 are full-text	OCLC Web site