

CDL TOOLS AND SERVICES WORKING GROUP

Functional Classes of Tools and Services

Complete list

Note: Items in *italics* in the "Function" column represent "key challenges" identified by TSWG.

Function:	Examples of existing CDL tools/services	Other Examples:	What part(s) of the collection does it benefit?
A. Locate or gain access			
1. Allows users to search, browse, navigate resources	<ul style="list-style-type: none"> a. CDL Directory search/browse b. Melvyl Catalog search/browse interface c. CDL hosted databases interface d. OAC search interface e. OCLC Firstsearch f. RLG Eureka g. Silverplatter (Compendex) h. CSA (ERIC, SocAbs) i. Web of Science j. Periodicals Contents Index (PCI) k. Literature Online (LION) l. Bibliography of Asian Studies m. Earthquake Engineering Abstracts n. Georef (Stanford) o. Handbook of Latin American Studies (HLAS) p. HAPI q. Associations Unlimited (Gale) r. Encyclopedia Britannica s. STAT-USA 	<ul style="list-style-type: none"> i. Infomine (for web sites) ii. Northern Light 	Licensed electronic resources (a, b) Abstracting & indexing databases (a, c, e, f, g, h) Finding aids (a, d) Print collections (b, e, f)
2. Provides specialized access mechanism for content	<ul style="list-style-type: none"> a. Congressional Universe b. Web of Science: cited refs c. PCI: table of contents 	<ul style="list-style-type: none"> i. AMICO interface for images ii. Alexandria map browser 	Art (i) Geospatial data (ii) Government information (a)
3. Enables users to access content,	<ul style="list-style-type: none"> a. Links from a&i databases to 		Print (monographic) collections (b, c)

<p>obtain status information about content, or order content</p>	<p>articles on publisher sites b. Links to circulation status c. Request / PIR d. OCLC: Get Item order from doc supplier e. CSA: Mark records; Acquire Document (links to holdings; possible to do links to full text); Document Delivery Resources f. Silverplatter: check library holdings; Order via doc supplier; Silverlinker to link to article full text; ILL (sends email to home office) g. Web of Science: Mark Records, then Order via doc supplier h. LION: linked to full text of 30 journals i. HAPI: Saved for HAPI's doc deli service j. Encyclopedia Britannica: results are full text, images k. STAT-USA: some results are full text</p>		<p>Journals (a)</p>
<p>4. <i>Enables users to find information without knowing a specific resource</i></p>			
<p>4.1. <i>Enables single search across multiple resources regardless of their system or interface constraints</i></p>	<p>a. CDL Directory b. Combined Cat/PE search (coming) c. Combined search of backfiles (MED, INS, BIO) (coming) d. Silverplatter: Relevant Databases search; search across backfiles e. Web of Science (3 Citation</p>	<p>i. Database Advisor ii. Infomine</p>	<p>Print collections (b) A&I databases (i, a, c) Internet resources (ii) Finding aids (a)</p>

	databases) f. LION: search across all literature types (poetry, drama, prose)		
4.2. <i>Guides users to related resources (herding)</i>	a. Encyclopedia Britannica: Bibliography, Internet links with ratings		
4.3. <i>Finds "more like that one" automatically (beyond just selecting from assigned subjects)</i>	a. Minimal implementation in CDL hosted dbs b. OCLC: Related Subjects ranks frequency of subject headings c. RLG: search from headings d. Web of Science: Related Record relevancy ranked; Cited Ref e. PubMed	i. Amazon.com	
4.4. <i>Guides users to the "best" resource using automated reference interview techniques</i>			
5. <i>Provides vocabulary assistance, mapping users' terms into the system's terms.</i>			
5.1. <i>Provides ability to consult a thesaurus and select terms to be searched</i>	a. CDL hosted dbs (MED, INS, Psyc) b. Silverplatter: Thesaurus c. Georef: Scan (1) d. HLAS: Subject Term Glossary e. HAPI: Thesaurus		CDL hosted a&i databases (a)
5.2. <i>Provides automatic translation of user's terms into system's terms</i>	a. Silverplatter: Suggest Terms b. Encyclopedia Britannica: natural language searching		
6. <i>Interjects human help at the point of need</i>			

7. <i>Provides a means to visualize retrievals (i.e., size and scope) and navigate visually</i>			
Function: B. Manipulate	Examples of existing CDL tools/services	Other Examples:	What part(s) of the collection does it benefit?
1. Allows users to capture content or metadata for use in their work	<ul style="list-style-type: none"> a. Downloading (i.e., citations with Tags display, Acrobat/PDF for articles) b. Mailing search results c. Update d. OCLC: Tag record to email e. RLG: Mark records; Export (tagged format), email f. CSA: Mark records; Capture (tagged format), Save to disk, display on screen to print, email (add message) g. Silverplatter: Mark records, email, download, print; SDI h. Web of Science: Mark Records into Saved List to Export (ProCite and Reference Manager) or email i. Georef: Tagged and Export formats; Save, mail j. HAPI: Saved to Bibliography, email k. Associations Unlimited: Keeper List, print or save from browser, in mailing list format l. Encyclopedia Britannica: Workspace creates customized page for storing articles (within a session) 	<ul style="list-style-type: none"> i. Linking from users' web sites to citations or content 	<p>Print collections (a, b) CDL hosted a&i dbs (a, b, c)</p>
2. <i>Allows filtering, ranking, grouping or evaluation of search</i>	<ul style="list-style-type: none"> a. OCLC: Related Subjects b. CSA: relevancy ranking 		

<i>results</i>	c. Web of Science: relevancy ranking d. Encyclopedia Britannica: relevancy ranking		
3. Allows modeling or structuring of data			
4. Facilitates selection and ordering of images for classroom presentation or class-related web sites			
5. Provides statistical analysis			

Function: C. Integrate	Examples of existing CDL tools/services	Other Examples:	What part(s) of the collection does it benefit?
1. Brings together disparate resources	a. CDL Directory b. CDL hosted a&i dbs c. Links in collection level Catalog records to OAC finding aids d. OCLC e. RLG f. CSA g. Silverplatter h. LION		Licensed electronic resources (a, b) A&I dbs (a,b) Finding aids (c)
2. Allows users to collect and/or merge metadata or content from different sources	a. Save in CDL hosted databases b. Search history in CDL hosted databases c. OCLC: Tag Record; History d. RLG: Mark records; Review (same as history) e. Silverplatter: Mark records; Save History	i. WOS Citation Builder	A&I dbs (a, b) Print collections (a, b)
3. <i>Integrates multiple interfaces</i>			
4. <i>Makes print resources as appealing as digital resources</i>		i. Book tables of contents online and searchable	
5. <i>Unites resources in different classification schemes, some broad and some narrow</i>	a. Encyclopedia Britannica		
6. <i>Integrates CDL and campus web sites and resources</i>			
Function: D. Share	Examples of existing CDL tools/services	Other Examples:	What part(s) of the collection does it benefit?
1. Allows users to send search results to others	a. Mail in CDL hosted databases b. OCLC: Tag Record and email c. RLG: Mark records and Export (email) d. CSA: Mark records and		A&I dbs (a) Print collections (a)

	Capture (email) e. Silverplatter: Mark Record and email		
2. Allows users to identify and communicate with others sharing similar interests		i. WOS Citation Builder ii. Amazon.com (books popular with other buyers)	

Function: E. Customize	Examples of existing CDL tools/services	Other Examples:	What part(s) of the collection does it benefit?
1. Allows customization by campus	a. Profiling for CDL hosted databases (AT limits, passwords, etc.) b. CDL Directory c. Silverplatter: new version of Webspirs		
2. Allows customization by user	a. Profile in CDL hosted databases		
3. Allows customization for a specialized content area			
4. <i>Allows user to build and customize own interface or page of resources</i>		i. MyLibrary@NCState	

Function: F. Administrative	Examples of existing CDL tools/services	Other Examples:	What part(s) of the collection does it benefit?
1. Ensures accuracy of URLs on web pages, in cataloging records, etc.		i. URL link checker	Catalog records, directory entries, links to content in A&I dbs (i)
2. Ensures persistence of URL, even when physical site changes		i. PURL	Catalog records, directory entries (i)
3. Aids in creation, manipulation, editing	a. OAC Toolkit		OAC (finding aids); possibly other SGML documents (a)
4. Supports distributed and collaborative maintenance	a. CDL Directory Management interface (coming)		Directory entries

Function: G. Help and Instruction	Examples of existing CDL tools/services	Other Examples:	What part(s) of the collection does it benefit?
1. Contextual help 2. Topical help 3. User guides/overview	a. CDL hosted databases b. OCLC c. RLG a. RLG b. OCLC a. CDL hosted databases: http://www.cdlib.org/guides/ c. OCLC (can't reference directly) within system; http://www.oclc.org/oclc/menu/suite has tutorial to download—is this for staff? d. RLG (can't reference directly) b. CSA http://www.csa.com/helpv3/overview.html c. PCI: http://pci.chadwyck.com/help/help_gsrc.html d. Gale Associations Unlimited (can't reference directly) e. Encyclopedia Britannica: http://search.eb.com/help/searching.html		

Desirable Attributes for CDL Tools and Services

- Enables collaboration among campuses in developing and building the tool or service.
- Promotes user self-sufficiency and self-instruction.
- Realizes administrative efficiencies in building and maintaining the tool or service.
- Leverages existing workflows and development efforts.

Notes:

(1) Georef telnet version; web version—ask SAW