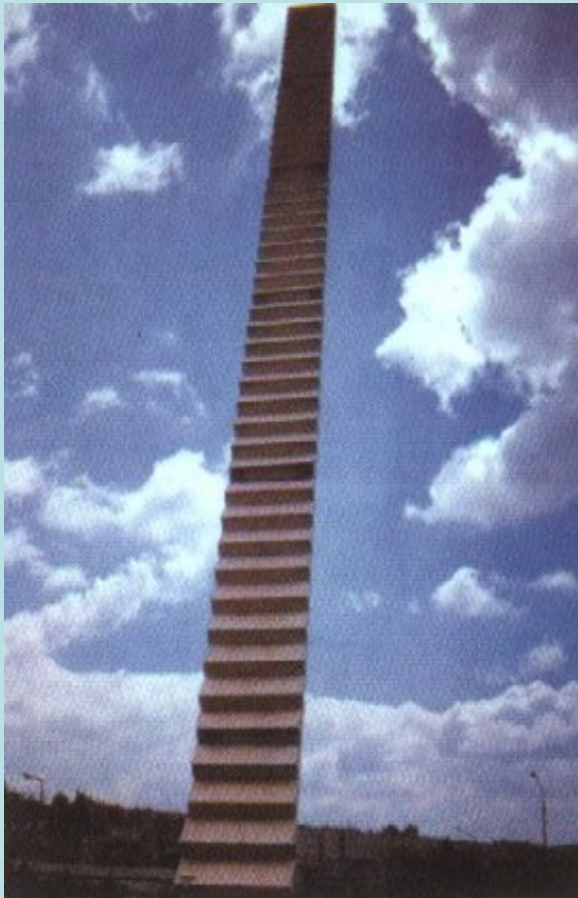


Into the Future: CLiMB-2



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University of Maryland

CNI Meeting, April 2005

Washington, DC

Status as of April 2005

- Assembled CLiMB-2 team at UMD.
- Met with internal partners at UMD.
- Met with potential external partners.
- Established goals and objectives.

- Selecting and negotiating with partners.
- Writing prospectus for Mellon.

Goals of CLiMB-2

- Improving the cataloging toolkit, especially to extract terms from unstructured text.
- Testing its applicability in different kinds of situations: images, texts.
- Testing its use in a normal cataloging situation.

Goals of CLiMB-2

- Evaluating its impact on image cataloging.
- Evaluating its impact on actual searching by image searchers.

Research in CLiMB-2

- Effectiveness of CLiMB toolkit for extracting metadata.
- Impact on image cataloging practice.
- Interaction with thesauri for art.
- Impact on retrieval.

Research Questions

- How can the CLiMB toolkit mine structured and unstructured texts more effectively for metadata terms? Issues include:
 - Reference (different types of anaphora, both explicit and implicit)
 - Topic tracking
 - Comparative/constructive constructions
 - Narrative structure
 - Machine-learning techniques

Research Questions

- In terms of rhetorical and discourse structure, how do we characterize text that is most effective for yielding metadata terms?
- What procedures can enhance mapping extracted terms to controlled vocabularies?

Research Questions

- How does the CLiMB toolkit affect existing work practices for image catalogers?
- How can CLiMB generated terms be channeled to revise or update existing thesauri?

Research Questions

- How do CLiMB generated terms affect searching for images by:

Image professionals, including art historians

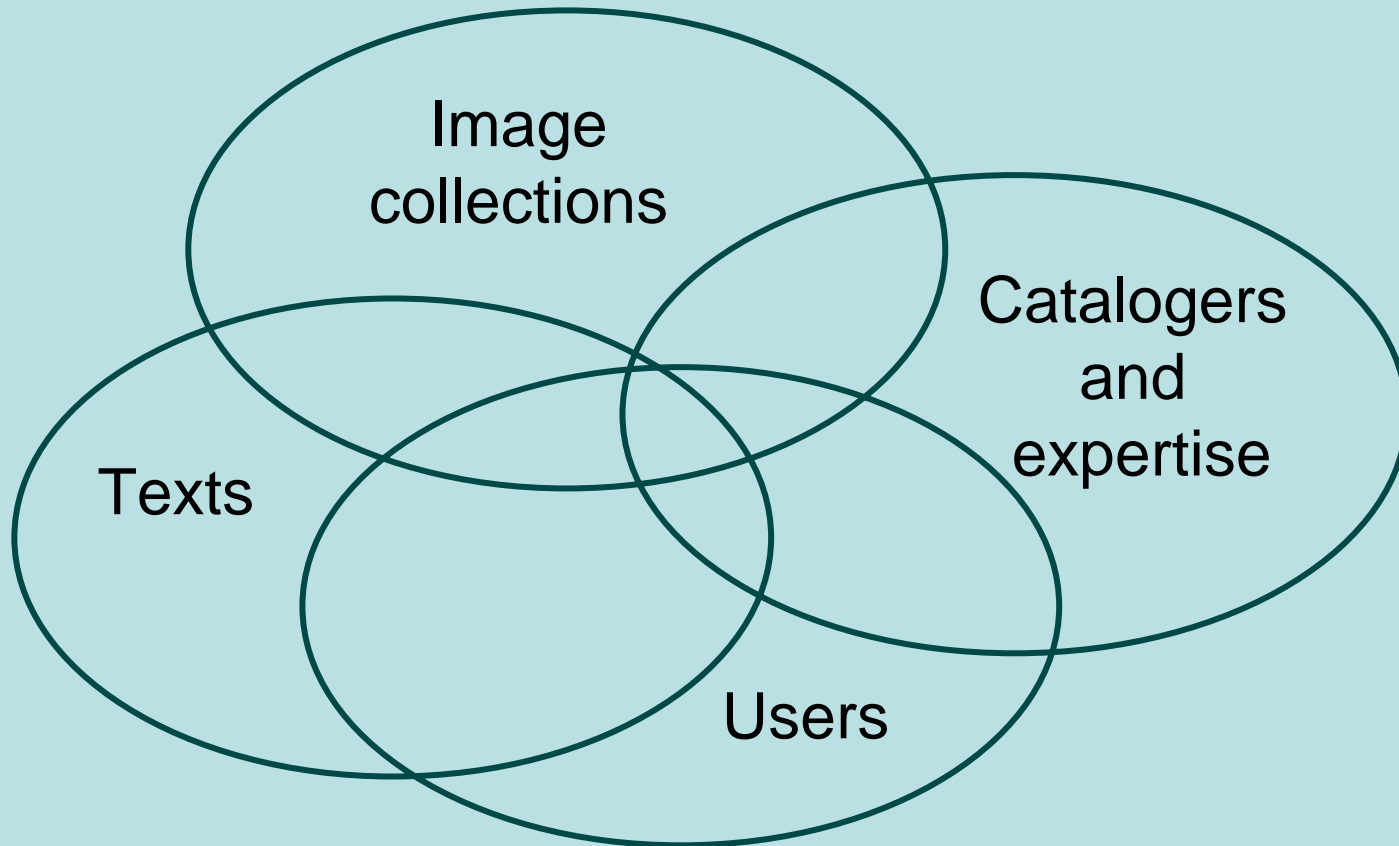
Others wanting to use images:

Anthropologists

Historians

Urban planners

Building CLiMB Partnerships



Tasks for Partners

- Provide metadata for image collection.
- Provide access to supporting texts, preferably in electronic form.
- Use the toolkit to generate metadata for the collection.

Tasks for Partners

- Evaluate toolkit for usability and other aspects.
- Facilitate access to clients for search studies.
- Provide advice and guidance on topics relevant to CLiMB-2.

Scenario 1

- Partner has images, catalogers, image system, some electronic texts.
- Partner creates electronic versions of other texts.
- CLiMB provides toolkit and trains partner's catalogers in its use.
- CLiMB observes use in normal cataloging situation.
- CLiMB and partner conduct search studies with partner's normal client group.
- CLiMB conducts search studies with other user groups accessing partner's system.

Scenario 2

- Partner provides images and existing metadata for use at CLiMB.
- CLiMB transfers text into electronic format.
- CLiMB uses toolkit and adds CLiMB terms to records.
- Collection is installed at UMD.
- CLiMB tests with UMD faculty and students, possibly other groups.

Scenario 3

- Partner provides images and metadata.
- CLiMB transfers text into electronic format.
- CLiMB trains partner's CLiMB-funded employee and supervisor in use of toolkit.
- Partner's employee uses toolkit and adds CLiMB terms to records, under partner's supervision.
- Partner retains collection at his site.
- CLiMB uses partner's clients in studies of searching effectiveness.

Benefits to Partners

- Metadata for subject access.
- Perhaps some funds to support use of toolkit.
- Knowledge that partner is involved in research to improve access to images – good for PR.
- Acknowledgment in all CLiMB presentations and publications.
- Participation in CLiMB's annual meetings with External Board.
- Gratitude of CLiMB team.

CLiMB-2 Project Team



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CLiMB Websites

CLiMB-1: www.columbia.edu/cu/cria/climb

CLiMB-2: www.umiacs.umd.edu/~climb