

Research in CLiMB-2

- Effectiveness of CLiMB Toolkit for extracting metadata.
- Impact on retrieval.
- Impact on image cataloging practice.
- Interaction with thesauri for art.
- Usefulness of CLiMB for representing non-representational art.

Effectiveness of CLiMB Toolkit (1)

- How can CLiMB Toolkit mine structured and unstructured text more effectively for metadata terms? Issues include:
 - Reference (different types of anaphora, both explicit and implicit)
 - Topic tracking
 - Comparative/contrastive constructions
 - Narrative structure

Effectiveness of CLiMB Toolkit (2)

- 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?
- Can machine learning techniques be integrated into automated CLiMB analyses?

Impact on Retrieval and Use (1)

- How do CLiMB generated terms affect searching for images by:
 - Art historians
 - Related professionals working regularly with images?

Impact on Retrieval and Use (2)

- How do CLiMB generated terms affect searching for images by other groups who want to use images, such as:
 - Anthropologists
 - Children
 - Costume designers
 - Educators
 - Historians
 - Urban planners

Impact on Cataloging Practice

- How does the CLiMB Toolkit affect existing work practices for image catalogers?

Impact on Thesauri (1)

- Can existing controlled vocabularies for art be used for semantic representation/analysis of text?

Interaction with Thesauri (2)

- How can CLiMB generated terms be channeled to revise or update existing thesauri?
- How can we extract term and concept relationships from text?
- Can CLiMB techniques be used to improve terminologies of art concepts?

Usefulness of CLiMB for Representing Non-representational Art

- How do art scholars and others describe non-representational art?
- How effective is CLiMB's approach for representing non-representational art for retrieval?

Potential Research

- Using CLiMB's approach, how does adding other information to catalogs, e.g., context information, such as statements about influence among artists, affect searching and browsing?
- Can the CLiMB Toolkit be used as a vehicle for collaboration among a group of scholars?



Vision for CLiMB-2

- ***Practice*** supported by research.
- ***Research*** enhanced by interaction with practice and image professionals.



Vision for CLiMB-2

- ***Innovative approach*** to augmenting or providing subject access to images.
- ***Easy-to-use tools*** for catalogers and others to use to provide the access.
- ***Innovative metadata*** that taps into natural ways of referring to the images, hence aiding retrieval.

