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.