

Image User Studies

This bibliography of assessment of user needs for image delivery includes projects that have examined more than one system or more than one setting. It focuses on research conducted since the mid-1990s. Institutional and educational research have been emphasized but information science research has been treated more selectively. Some articles were listed because they include a portion that summarizes other user studies. Cut-off date was March, 2005.

Alice Grant Consulting. (2003) Evaluation of digital cultural content: analysis of evaluation material. Cultural Content Forum.

<http://www.culturalcontentforum.org/publications/>

Art Museum Image Consortium. (1999) University Testbed Research Meeting and Results, June 3-4, 1999. <http://www.amico.org/univ/univtestbed/u.results.html>

Armitage, L.H. and Enser, P.G.B. (1997) Analysis of user need in image archives. *Journal of Information Science*, 23 (4), 287-299.

Bailey, C. and Graham, M. (2000) Compare and contrast: measuring the impact of digital imaging on the discipline of art history,

<http://www.unites.uqam.ca/AHWA/Meetings/2000.CIHA/>

Besser, H. and Yamashita, R. (1998) The cost of digital image distribution: the social and economic implications of the production, distribution and usage of image data. School of Information Management and Systems, University of California, Berkeley.

<http://sunsite.berkeley.edu/Imaging/Databases/1998mellon/> This report was summarized in Besser, H. (1999) Digital image distribution: a study of costs and uses. *D-Lib Magazine*. 5 (10).

Burford, B, Briggs, P. and Eakins, J.P. (2002) Types of image content: an outline classification. *Visual Communication* 2, 123-161.

Chen, H. (2001) An analysis of image retrieval tasks in the field of art history. *Information Processing and Management*. 37, 701-720.

Condron, F., et al. (1999) Strategies for digital data: findings and recommendations from digital data in archaeology: a survey of user needs.

<http://ads.ahds.ac.uk/project/strategies/index.html> [

Conniss, L.R., Ashford, J.A. and Graham, M.E. (2000) *Information Seeking Behaviour in Image Retrieval: VISOR I Final Report*. Institute for Image Data Research, 2000 (Library and Information Commission Research Report 95).

Conniss, L.R., Davis, J.E., and Graham, M.E. (2003) *A User-Oriented Evaluation Framework for the Development of Electronic Image Retrieval Systems in the*

Workplace: VISOR II Final Report. Institute for Image Data Research, 2003 (Library and Information Commission Research Report 144).

Digital Library Federation and Outsell, Inc. (2002) *Dimensions and use of the scholarly information environment: introduction to a data set assembled by the Digital Library Federation and Outsell, Inc.* Digital Library Federation and Council on Library and Information Resources, Washington, D.C. <http://www.diglib.org/pubs/scholinfor/>

Eakins, J.P., Briggs, P., and Burford, B. (2004) Image retrieval interfaces: a user's perspective. *Lecture Notes in Computer Science* 3115, 628-637.

Enser, P. (2000) Visual image retrieval: seeking the alliance of concept-based and content-based paradigms. *Journal of Information Science*, 26 (4) 199-210.

Farley, L. (2004) Digital images come of age. *Syllabus Magazine* (May) <http://www.campus-technology.com/article.asp?id=9363> and supporting documentation at the project's web site: <http://www.cdlib.org/inside/projects/image/#assessment>

Frost, C. (2001) The role of mental models in a multi-modal image search. *ASIST 2001: Proceedings of the 64th ASIST Annual Meeting*. 38, 52-57.

Gay, G. and Rieger, R. (1999) AMICO University Testbed user survey. http://www.amico.org/univ/univtestbed/docs/AMICO_Cornell.pdf

Hamma, K. (2004) The role of museums in online teaching, learning, and research. *First Monday*, 9(5). http://www.firstmonday.org/issues/issue9_5/hamma/index.html

Harley, D., et al. (2004) The use of digital resources in humanities and social science undergraduate education: first year report. Center for Studies in Higher Education, University of California, Berkeley. <http://digitalresourcestudy.berkeley.edu>

Hastings, S.K. (1999) Evaluation of image retrieval systems: role of user feedback. *Library Trends* 48 (2) 438-452.

Hill, L.L., et al. (1997) User evaluation: summary of the methodologies and results for the Alexandria Digital Library project. University of California, Santa Barbara. <http://www.asis.org/annual-97/alexia.htm>

Jørgensen, C. (1996a) Indexing images: testing an image description template. *Proceedings of the 59th Annual Meeting of the American Society for Information Science*, 33, 209-213.

Jørgensen, C. (1998) Attributes of images in describing tasks. *Information Processing & Management*, 34(2/3), 161-174.

Nitecki, D.A. and Rando, W. (2004) Evolving an assessment of the impact on pedagogy, learning and library support of teaching with digital images. In *Outcomes Assessment in Higher Education Views and Perspectives*, (Peter Hernon and Robert E. Dugan, eds.), Libraries Unlimited, Englewood, CO. 175-196.

Oranager, S. (1997) Image retrieval: theoretical analysis and empirical user studies on accessing information in images. In *Proceedings of the 60th Annual Meeting of the American Society for Information Science*, 34, 202-211.

Pisciotta, H., Dooris, M., Frost, J., and Halm, M. (2005) Penn State's Visual Image User Study. *portal: Libraries and the Academy* 5 (1) 33-58.

Rasmussen, E.M. (1997) Indexing images. In *Annual Review of Information Science and Technology* (Martha Williams, ed.) 32, 169-196.

Salwasser, J. and Murray-Rust, C. (2002) Assessing Need for a Natural Resources Digital Library. *Issues in Science and Technology Librarianship*. 33 <http://www.istl.org/02-winter/article2.html>

Shatford Layne, S. (1994) Some issues in the indexing of images. *Journal of the American Society of Information Science* 45, 583-588.

Staum-Kuniej, S. (2001) The IUPUI/IMLS Community Project: virtual partnerships that build k-life learning communities through technology. *Art Documentation: Bulletin of the Art Libraries Society of North America* 20 (2) 7-22.

Stephenson, C. (1999) Recent developments in cultural heritage image databases: directions for user-centered design. *Library Trends* 48 (2) 410-437.

Stevenson, C. and McClung, P. (eds.) (1998a) *Delivering Digital Images: Cultural Heritage Resources for Education*. Getty Information Institute, Los Angeles.

Stevenson, C. and McClung, P. (eds.) (1998b) *Images Online: Perspectives on the Museum Educational Site Licensing Project*. Getty Information Institute, Los Angeles.

Turner, J.M. (1995) Comparing user-assigned terms with indexer-assigned terms for storage and retrieval of moving images: research results. In *Proceedings of the 58th Annual Meeting of the American Society for Information Science*, 32, 9-12.

Waibel, G. (2004) Out of the database, into the classroom: findings from the Instructional Technology Advisory Group. *RLG Focus*, (67).
http://www.rlg.org/en/page.php?Page_ID=17063#article2

Waibel, G. and Arcolio, A.(2005) Out of the Database, Into the Classroom: Final Report from the RLG Instructional Technology Advisory Group.
http://www.rlg.org/en/page.php?Page_ID=406

Compiled by
Henry Pisciotta
Penn State University Libraries
3/30/05