

**Kathryn Lage**  
Senior Assistant Librarian  
MLML/MBARI Research Library  
Moss Landing Marine Laboratories  
San José State University

**I. EDUCATION**

Master of Library Science San José State University, San José, CA	2002
Certificate in Human Resources Management University of California, Santa Cruz Extension Silicon Valley Santa Clara, CA	1998
Bachelor of Arts in American Studies, Music minor University of California, Santa Cruz, Santa Cruz, CA	1994

**II. EMPLOYMENT**

<b>Senior Assistant Librarian</b> MLML/MBARI Research Library Moss Landing Marine Laboratories San José State University Moss Landing, CA	July 2016 –
<b>Associate Professor, Map Librarian, Head</b> Jerry Crail Johnson Earth Sciences & Map Library Sciences Department, University Libraries, University of Colorado Boulder, Boulder, CO	2014 – 2016
<b>Assistant Professor, Map Librarian, Head</b> Jerry Crail Johnson Earth Sciences & Map Library Sciences Department, University Libraries, University of Colorado Boulder, Boulder, CO	2013 – 2014
<b>Assistant Professor, Map Librarian, Interim Head, Interim Earth Sciences and Environment Librarian</b> Jerry Crail Johnson Earth Sciences & Map Library Sciences Department, University Libraries, University of Colorado Boulder, Boulder, CO	2010 – 2013
<b>Assistant Professor, Map Librarian</b> Jerry Crail Johnson Earth Sciences & Map Library, University Libraries, University of Colorado Boulder, Boulder, CO	2005 – 2010

**Senior Instructor, Map Librarian**

2003 – 2005

Jerry Crail Johnson Earth Sciences & Map Library,  
University Libraries, University of Colorado Boulder,  
Boulder, CO

**III. BIBLIOGRAPHY**

## A. Works In Progress

Lage, K. Open Water | Open Data: Preserving Historical Oceanographic Research Data for Future Scientists. Research in progress.

## B. Refereed Publications

McAuliffe, C.P., Lage, K., & Mattke, R. (2017). Access to Online Historical Aerial Photography Collections: Past Practice, Present State, and Future Opportunities. *Journal of Map & Geography Libraries*, 13:2, 198-221, DOI: 10.1080/15420353.2017.1334252

Lage, K., Losoff, B., & Maness, J. (2011). Receptivity to library involvement in scientific data curation: A case study at the University of Colorado Boulder. *portal: Libraries and the Academy*, 11(4), 915-937.

Alexander, S., Gerke, J., & Lage, K. (2010). New route to an old resource: facilitating access to library research guides for the self-serve generation. In Radford, M. L. and Lankes, R. D. (Eds.). *Reference renaissance: Current and future trends* (pp. 129-152). New York: Neal-Schuman Publishers.

Lage, K. (2007). Cataloging digital geospatial data. *Journal of Map and Geography Libraries: Advances in Geospatial Information, Collections & Archives*, 3(1), 39–55. [https://doi.org/10.1300/J230v03n01\\_04](https://doi.org/10.1300/J230v03n01_04).

Long, H., Lage, K., & Cronin, C. (2005). The flight plan of a digital initiatives project, part 2: Usability testing in the context of user-centered design. *OCLC Systems & Services: International Digital Library Perspectives*, 21(4), 324–345. <https://doi.org/10.1108/10650750510631703>.

Cronin, C., Lage, K., & Long, H. (2005). The flight plan of a digital initiatives project: Providing remote access to aerial photographs of Colorado. *OCLC Systems and Services: International Digital Library Perspectives*, 21(2), 114–130. <https://doi.org/10.1108/10650750510598710>.

## C. Non-refereed Articles

Lage, K. (2017). Intersecting stories: exploring the history of marine exploration, oceanography, and women in science through a small historical research vessel data archive. In Barr, Dorothy, (Ed.), *Blurring the Edges: The Osmosis of Ideas*,

*Proceedings of the 43rd IAMSLIC Conference*, 21-27. Available:  
<https://hdl.handle.net/1912/10312>

Lage, K. (2007). Zoom!: remote sensing imagery in the geosciences. *Proceedings of the 42<sup>nd</sup> Meeting of the Geoscience Information Society* 38, 21-29. (Issued in 2010.) Available:  
<http://oaktrust.library.tamu.edu/bitstream/handle/1969.1/152351/GSIS%20Proceedings%202007.pdf?sequence=4#page=31>.

Lage, K., Cronin, C., & Long, H. (2004). Enhanced library collection access through GIS: historic Colorado aerial photographs. *Education User Conference Proceedings, Environmental Systems Research Institute (ESRI)*.

#### D. Reviews

Four reviews for the *Information Bulletin* of the Western Association of Map Libraries, 2004-2007.

#### E. Digital Publications

Harden, M., Heiser, N., Lage, K., & Raynes, I. (2015). *Mining Maps of Colorado*. Digital collection. Available: <http://bit.ly/1DtUX24>. 2015-

Alexander, S., Gerke, J., & Lage, K., & Losoff, R. (2007-2015). *Research & Subject Guides Database*. Online searchable database.

Lage, K. (Principal Investigator), Long, H., & Cronin, C. (Co-Investigators). (2007). *Building Colorado Story by Story: The Sanborn Fire Insurance Map Collection*. Digital collection. Available: <http://bit.ly/1JPcT84>.

Lage, K. (2007). *Maps and Transportation*. Authored five resource guides for this module for the IMLS Government Information in the 21st Century website.

Lage, K., Auerbach, N., & Habermann, T. (2005-2008). *Aerial Photographs of Colorado: Map Service*. Visiting faculty project hosted by the National Geophysical Data Center.

Long, H., Lage, K., Cronin, C., & Larsen, S. (2004-). *Aerial Photographs of Colorado*. Digital collection. Available: <http://bit.ly/1KTx57A>.

#### F. Standards

Cronin, C., Lage, K., Lickteig, L., Long, H., & Paul, E. (2007). *Metadata Best Practices, Version 1.0*. University of Colorado Digital Library's Metadata Best Practices Working Group. [Shared responsibility as member of the committee.]

## G. Presentations

## 1. International

Lage, K. Collaborative explorations: preserving and analyzing an historical oceanographic research vessel data archive. Presentation at 43rd Annual International Association of Aquatic and Marine Science Libraries and Information Centres (IAMSLIC ) Conference, Honolulu, HI, October 22-26, 2017.

## 2. National

Lage, K. Autonomous Mapping of Deep-Sea Features: An overview of MBARI Seafloor Mapping. Presentation at the Western Association of Map Libraries 2018 Conference, San Diego, CA, September 13, 2018.

Lage, K. Research Data Curation in the Geohumanities: Practices and Possibilities. Presentation at the Association of American Geographers (AAG), Chicago, IL, April 22, 2015.

Lage, K. Facilitating Reuse of Geospatial Data: A Study of Research Data Repositories. Presentation at the North American Cartographic Information Society (NACIS), Portland, OR, October 18, 2012.

Alexander, S., Gerke, J., & Lage, K. UFOs, Arabic Language and Culture, and Nanotechnology: An In-depth Look at Access to Research and Subject Guides. Presented by Alexander and Gerke at A Reference Renaissance: Current and Future Trends conference, co-sponsored by the Bibliographical Center for Research and the Reference and User Services Association, a division of the American Library Association, Denver, CO, August 4, 2008.

Lage, K., Thiry, C.J.J., & Parker, J. They Never Covered This in Library School: Maps and Atlases. Presentation at the Art Libraries Society of North America, Denver, CO, May 2, 2008. (Invited)

Lage, K. Beyond Google Earth: Remote Sensing Imagery in the Geosciences. Presentation at the Geoscience Information Society 2007 Annual Meeting, Denver, CO, October 29, 2007.

Lage, K. Seeing the Land As It Was: Historical Aerial Photographs. Presentation at the National Council on Public History 2007 Annual Meeting, Santa Fe, NM, April 14, 2007.

Lage, K. Current Cataloging of Digital Cartographic Materials: An Exploration of Existing Subject Access Points & Emerging Practices in Library Catalogs. Presentation at the Western Association of Map

Libraries Spring 2006 Conference. Vancouver, BC, Canada, May 12, 2006.

Lage, K. Enhanced Library Collection Access through GIS: Historic Colorado Aerial Photographs. Presentation of a paper co-written with Christopher Cronin and Holley Long at the Environmental Systems Research Institute (ESRI) Education User Conference, San Diego, CA, August 8, 2004. (Peer-Reviewed)

Cronin, C, Lage, K., & Long, H. Digitizing Aerial Photographs of Colorado: Metadata, Access, and Sustainability. Poster presented at the American Library Association 2004 Annual Conference, Orlando, FL, June 28, 2004.

## 2. Regional

Lage, K. Routefinding: Navigating through online government maps & geospatial information. Presentation at the Six-State Virtual Government Information Conference, August 16, 2010. (Invited)

Thiry, C.J.J. & Lage, K. The Mysterious World of US Government Maps: An Introduction to Paper and Digital maps in the FDLP. Presentation at the Five State Government Documents Conference, University of Colorado Boulder, Boulder, CO, August 3, 2006. (Invited)

Cronin, C, Lage, K., & Long, H. Aerial Photographs: Viewing the Changing Landscape of Colorado. Poster Session at the Colorado Digitization Program's Western Trails Roundup: Sustaining Digital Initiatives. University of Denver, Denver, CO. September 4, 2003.

## 3. State/Local

Kuglitsch, R., & Lage, K. What You Need to Know about Research in the Geosciences. Presentation for the Department of Geological Sciences Colloquium Series, Boulder, CO, August 27, 2014.

Kuglitsch, R., & Lage, K. Author Rights, Access to Scholarship, and Managing the Impact of your Research. Presentation for the Department of Geological Sciences Colloquium Series, Boulder, CO, November 12, 2014.

Alexander, S., Gerke, J., & Lage, K. Putting it all in One Pot: An Examination of Access to Library Guides . Presented as part of the University of Colorado Boulder Libraries' Faculty and Staff Development Series, Boulder, CO, October 8, 2008.

Filar Williams, Elisabeth and Kathryn Lage. Introduction to Maps. Presentation at the Accidental Map Librarian Workshops. Boulder and Gunnison, CO, March 29, 2007 and May 11, 2007.

Filar Williams, Elisabeth and Kathryn Lage. Sanborn Maps Digitization Project. *Building Colorado Story by Story: The Sanborn Fire Insurance Map Collection* at CU Boulder. Digital poster presented at the Colorado Academic Library Summit 2007, Denver, CO, June 1, 2007.

Long, H., Lage, K., & Cronin, C. Promoting the Sustainability of a Digital Initiatives Project: User-Centered Assessment and Testing of *Aerial Photographs of Colorado*. Presented as part of the University of Colorado Boulder Libraries Faculty and Staff Development Series, Boulder, CO, October 26, 2005.

Lage, K. Providing Digital Access to CU's Collection of Historical Aerial Photographs of Colorado. Presented at Colorado School of Mines Arthur Lakes Library, Golden, CO. November 18, 2004.

Cronin, C., Lage, K., Long, H. A View from Above: Providing Digital Access to CU's Collection of Historical Aerial Photographs of Colorado. Presented as part of the University of Colorado Boulder Libraries' Faculty and Staff Development Series, Boulder, CO, November 17, 2004.

#### IV. GRANTS

Lage, K. (Principal Investigator), Coale, K.H., Graham, M.H., Harvey, J.T. & McDonald, B.I. *Moss Landing Marine Laboratories Museum: A marine biology collection modernization in 3D*. In progress for submission to the National Science Foundation, Division of Biological Infrastructure, Infrastructure Capacity for Biology (ICB), Winter, 2018.

Lage, K. *A tale of two ships, and two institutions: facilitating science through data rescue*. Central RSCA (Research, Scholarship and Creative Activity) Proposal, San José State University. Submitted Spring 2017. Not funded.

Buttenfield, B. (Principal Investigator), et al. *NRT-DESE: STARS: Spatial and temporal analysis of social, natural and information resource security*. Submitted to the National Science Foundation Research Traineeship Program (NRT), Data-Enabled Science and Engineering (DESE) Theme. (Member of grant-writing team and project advisory committee member.) May 2015. Not funded.

Bowers, D., Farago, C., Lage, K., & Smith, D. (Co-Principal Investigators) *Collections Management Course Development Proposal*. University of Colorado Boulder Faculty Grant for Curriculum Development: ICT/ICJMT. Awarded \$1000 (each) and \$3000 (total for graduate student support). Funded October 2012.

Lage, K. (Principal Investigator) & Raynes, I. University of Colorado Boulder, Department of Geological Sciences Undergraduate Mentorship Grant. Funded by Shell Oil. Lage mentored a Geological Sciences undergraduate student in library science and GIS skills applied to indexing historical Colorado topographic maps. Awarded \$1,000. Funded for 2009.

Lage, K. (Principal Investigator), Long, H., & Cronin, C. *Discovering Colorado: the Sanborn Fire Insurance Maps Collection*. Grant proposal to the Colorado State Library for Library Services and Technology Act (LSTA) funds. Awarded \$38,000 to digitize and catalog Sanborn Fire Insurance Maps. Funded June 2006-September 2007.

Lage, K. (Principal Investigator) & Larsen, S. University of Colorado Boulder, Department of Geological Sciences Undergraduate Mentorship Grant. Funded by Shell Oil. Lage mentored a Geological Sciences undergraduate student in GIS skills applied to the “Historical Aerial Photographs of Colorado” project. Awarded \$1,000. Funded for 2005.

Lage, K. (Principal Investigator) & Larsen, S. University of Colorado Boulder, Department of Geological Sciences Undergraduate Mentorship Grant. Funded by Shell Oil. Lage mentored a Geological Sciences undergraduate student in GIS skills applied to the “Aerial Photographs of Colorado” project. Awarded \$1,000. Funded for 2004.

## V. TEACHING

### A. Senior Assistant Librarian Courses Taught

MS 201: Library Research Methods in Marine Science, Graduate-level 1 credit course. Moss Landing Marine Laboratories, College of Science, San José State University, 2017, 2018.

### B. Information Literacy Instruction

Course-Integrated Instruction  
Moss Landing Marine Laboratories, College of Science, San José State University, 2016-

Library Information Literacy Sessions for faculty, student, and researchers  
Moss Landing Marine Laboratories, College of Science, San José State University and Monterey Bay Aquarium Research Institute (MBARI), 2016-

Library Orientation Sessions  
Moss Landing Marine Laboratories, College of Science, San José State University and Monterey Bay Aquarium Research Institute (MBARI), 2016-

Library Information Literacy Sessions, University of Colorado Boulder, Provided between 25 and 940 contact hours each year for students in Geological Sciences, Geography, Environmental Design, Environmental Studies, Civil Engineering, Astronomy, History, Classics, English, and Museum and Field Studies, 2003-2016

Embedded Librarian in GEOL 3090 Developing Scientific Writing Skills (3 credits). Provided weekly brief instruction sessions, taught 3 library research sessions per semester, met individually with each student, 2011-2013

Embedded Librarian in GEOL 4960 Writing in the Geosciences (1 credit). Taught 2 library research sessions per semester, met individually with each student, 2010-2011

Drop-in Seminars on maps, geospatial data, and earth sciences research, University of Colorado Boulder, 2003-2015

Data Management Workshop, co-taught as part of “Science Boot Camp for Librarians – West.” Boulder, CO, June 21, 2013.

## **VI. PROFESSIONAL CONTRIBUTIONS/SERVICE**

### **A. International**

International Association of Aquatic and Marine Science Libraries and Information Centres (IAMSLIC), 2016-  
Membership Committee, 2017-  
Cyamus Regional Group member, 2016-

### **B. National**

Cartographic Users Advisory Council, 2005-2014  
Representative for the Western Association of Map Libraries  
Treasurer. Elected 2006. Re-Elected 2008-2014  
Liaison to the Bureau of Land Management and the U.S. Forest Service, 2005-2014

American Library Association, Map and Geospatial Information Roundtable, Geographic Technologies Committee. 2004-2006.

### **C. Regional**

Western Association of Map Libraries, 2003-present  
Continuing Education Committee member, 2016-  
Vice President/President/Past President, 2012-2014  
Digital Information Bulletin Committee, 2014  
2013 Conference Planning Committee, 2012-2013



Web Committee, Chair. 2005-2012  
 Webmaster, Appointed 2005, Reappointed 2008-2012  
 Hosted and planned the Spring Conference, Boulder, CO, 2005.

“Planning for the Lifecycle Management and Long-Term Preservation of Research Data: A Federated Approach,” University of Kansas Libraries and Information Technology, in partnership with the Greater Western Library Alliance and the Great Plains Network. Institute for Museum and Library Services (IMLS) National Leadership Planning Grant. Member, Research Team A, 2012-2014

Co-Developed, organized, and co-presented two full-day workshops entitled, “The Accidental Map Librarian” to the Colorado/Wyoming library community, 2007.

Regional editor for: Thiry, Christopher J.J., ed. *Guide to U.S. Map Resources*, 3<sup>rd</sup> ed. Lanham, MD: Scarecrow Press, 2006.

## VII. UNIVERSITY AND INSTITUTIONAL SERVICE

### A. California State University

Systemwide Technology Initiatives Management (STIM), a Council of Library Deans Committee, Member, Fall 2017-  
 CSU Libraries Copyright Education Work Group, Member, Spring 2017

### B. Moss Landing Marine Laboratories, San José State University

Technology Advisory Committee, Co-chair, Fall 2018  
 Faculty Search Committee for a Marine Invertebrate Zoologist, Fall 2017-  
 Web Advisory Group, Chair, Fall 2017-  
 Curriculum Committee, Member, Fall 2016-  
 Web Committee, Member, Summer 2016-  
 Web Theme Subcommittee, Fall 2016-

### C. University of Colorado Boulder

College of Arts & Sciences GIS Advisory Group, 2013-2015  
 Environment and Sustainability Visioning Committee (Resulted in creation of the new School of the Environment and Sustainability at CU-Boulder.)  
 2012-2013  
 Digital Asset Management Group. Metadata Subcommittee, 2005-2006

### D. University of Colorado Boulder Libraries

Scholarly Initiatives Working Group, 2012-2016  
 Research Data Services Team, 2014-2016  
 Digital Storage Task Force, 2014-2016

Digital Archives Task Force, 2014  
 Faculty Appeals Committee, 2012-2013  
 Data Librarians Group, 2009-2016  
     Organizer, 2009-2012  
 Libraries Faculty Search Committees (10), 2004-2016  
 Bibliographers Advisory Committee, 2005-2007, 2010-2011, 2012  
 Faculty Personnel Committee, 2010-2011  
 Digital Projects Advisory Group, 2005-2008  
 Elections Committee, 2007  
 Web Advisory Committee, 2004-2006  
     Co-chair 2005-2006  
     Subject Guides Databases subcommittee, 2004-2006  
 Task Force on the Faculty Personnel Committee Summaries of Achievement,  
 2005-2006  
 Ralph E. Ellsworth Award Committee, 2004-2005

## **VIII. PUBLIC/COMMUNITY SERVICE**

### **A. Local**

Lage, Kathryn. "From the MLML/MBARI Research Library:  
 Uncovering the forgotten story of a pioneering woman scientist and an  
 historic Jacques Cousteau voyage." Presentation at the MLML Open House,  
 April 29, 2018.

"One Park, Many Perspectives: An Exploration of Rocky Mountain National  
 Park at its Centenary." Co-organizer of panel event for the community to  
 highlight interdisciplinary research at CU-Boulder as part of the official  
 Rocky Mountain National Park 100<sup>th</sup> Anniversary events, March 5, 2015.

Co-created special library exhibit and co-hosted open house and meeting for the  
 Rocky Mountain Map Society, March 15, 2014.

Lage, Kathryn and Melissa Harden. "Using Maps in Genealogical Research."  
 Presentation to the Broomfield Genealogical Society, August 15, 2013.

Cartographic information literacy session with Naomi Heiser, Ilene Raynes, and  
 Laura Wright. Class of 20 fifth and sixth graders from The Logan School  
 (Denver, CO), December 7, 2009.

Lage, Kathryn, Naomi Heiser and Ilene Raynes. "Finding Your Way Home:  
 Using Maps in Genealogical Research." Presentation to the  
 Lafayette/Louisville Genealogical Association, October 16, 2003.

## **IX. MEMBERSHIPS**

International Association of Aquatic and Marine Science Libraries and Information  
 Centres (IAMSLIC), 2016-

Cyamus Regional Group of IAMSLIC, 2016-  
 Geoscience Information Society, 2007-  
 American Library Association, Map and Geography Roundtable, 2003-  
 Western Association of Map Libraries, 2002-

## **X. HONORS, AWARDS, RECOGNITION**

Johns Hopkins University Press Award, for *portal: Libraries and the Academy* Best Article of the 2011 Volume for Lage, Kathryn, Barbara Losoff, and Jack Maness. "Receptivity to Library Involvement in Scientific Data Curation: A Case Study at the University of Colorado Boulder." *portal: Libraries & the Academy* 11, no. 4 (2011): 915-937. Awarded September 25, 2012.

Geoscience Information Society Best Paper Award, 2009, for Lage, Kathryn. "Zoom!: Remote Sensing Imagery in the Geosciences." *Conference Proceedings of the Geoscience Information Society*, 38, 2007.

Highly Commended Paper, Emerald Literati Network Award for Excellence, 2006, for Cronin, Christopher, Kathryn Lage, and Holley Long, "The Flight Plan of a Digital Initiatives Project: Providing Remote Access to Aerial Photographs of Colorado." *OCLC Systems and Services: International Digital Library Perspectives*, 21 (2), 2006.

## **XI. SELECTED PROFESSIONAL DEVELOPMENT**

CSU Unified Library Management System Summer Meeting, Long Beach, CA, August 13-14, 2018.

CSU LibIT/IR Conference, CSU systemwide Library conference on libraries information technology and institutional repositories, Chico, CA, July 31-August 2, 2017.

Alma Functional Workshop 2, Unified Library Management System, Fullerton, CA, January 9-11, 2017.

Alma Functional Workshop 1, Unified Library Management System, San José, CA, August 9-11, 2016.

Ex Libris Alma Certified Administrator Training, part of the Unified Library Management System Project, Completed November, 2016.

Geo4Lib Camp, Stanford University. Palo Alto, CA, January 30-February 1, 2017.

University 101, San José State University. Program for new tenure track faculty. San José State University, San José, CA. Fall semester, 2016.

Excellence in Leadership Program. University of Colorado System. Participated in year-long program of intensive leadership development focusing on key challenges to a dynamic university. (Selected through a competitive application process.) 2014-2015.

- Science Boot Camp for Librarians – West. Themes: bioinformatics, environmental science & GIS, physics, and data management. Boulder, CO, June 19-21, 2013.
- Data Day. University of Colorado Boulder Libraries. Boulder, CO. December 11, 2012.
- Bridging Data Lifecycles: Tracking Data Use via Data Citations Data Workshop. University Corporation for Atmospheric Research (UCAR). Boulder, CO. April 5-6, 2012.
- Summer Institute on Data Curation. Competitive application process. Supported by the Institute of Museum and Library Services Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign. Champaign, IL. May 17-20, 2010.
- Digital Repositories, Data Curation, and the Cloud. Conference sponsored by the Colorado Alliance of Research Libraries. Denver, CO. January 26, 2010.
- Bringing Research Data into the Library: Expanding the Horizons of Institutional Repositories. ALCTS Webinar on Institutional Repositories. Presented by MacKenzie Smith, Associate Director for Technology at the MIT Libraries. Screened in Boulder, CO. November, 10, 2009.
- Adaptive Leadership: Lessons from the Shackleton Expedition. A workshop presented by Allan Wallis, Associate Professor of Public Policy School of Public Affairs, University of Colorado Denver Campus. Boulder, CO. July 27, 2009.
- Western Association of Map Libraries Conferences, 2003 - present.
- Cartographic Users Advisory Council Meetings, 2006-8, 2010, 2012-2013.