

Curriculum Vitae

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Education

- Ph.D. Geography, Clark University, Worcester, MA (1997)
Dissertation: *Mapping the territory of uncertainty and ignorance: Broadening current assessment and policy approaches*. Worcester, MA: Clark University, 453 pp.
- M.A. Geography, Clark University, Worcester, MA (1995)
- Diplom Applied Physical Geography, University of Trier, Germany (1994)
(Minors: Geology, Soil Science, Canadian Studies) (M.A. equivalent)
Thesis: *"Wheels of Misfortune" -- A 34-year record of winter storms and their impacts on Massachusetts, USA*. University of Trier, 269 pp.
- Certificate Canadian Studies, University of Trier, Germany (1994)
- Vordiplom University of Trier, Germany (1990) (B.A. equivalent)

Scholarships, Fellowships & Awards

- 2005 *Aldo Leopold Leadership Program Fellow*
UCAR Leadership Academy
Travel scholarship for the *Sixth Open Meeting of the Human Dimensions of Global Change Research Community in Bonn, Germany*; Early Career Scientists Assembly/Advanced Studies Program, NCAR
- 2001 Travel scholarship for the *Fourth Open Meeting of the Human Dimensions of Global Change Research Community in Rio de Janeiro*; International Science Planning Committee, International Human Dimensions Program
- 1998-99 *Global Environmental Assessment Fellowship* and grant from the *Heinz Foundation*, Harvard University, J.F. Kennedy School of Government and The Heinz Center, Washington, DC
- 1997-98 *Global Environmental Assessment Fellowship*, Harvard University, Center for Science and International Affairs, J.F. Kennedy School of Government
- 1997 *Outstanding Graduate Student Award*, Clark University, Graduate Student Council (for research with Susan Hanson)
- 1995 *NSF Dissertation Award* from the Decision, Risk, and Management Science Division
- 1992-96 Tuition scholarships, Clark University
- 1990/1 Joint fellowship from Clark University and the University of Trier for one year of graduate studies at the Graduate School of Geography, Clark University

Professional Positions

- July 2005-present Research Scientist II, ISSE, NCAR, Boulder, Colorado
- 2003-June 2005 Research Scientist I, Institute for the Study of Society and Environment (formerly Environmental & Societal Impacts Group), National Center for Atmospheric Research (NCAR), Boulder, Colorado
- 2001-present Independent Workshop Facilitator for personal growth and healing focused on the self-world connection (ecopsychology, deep ecology)
- 2000-2001 Visiting Assistant Professor, Clark University, Worcester, Massachusetts
- 1999-2003 Staff Scientist, Union of Concerned Scientists, Global Environment Program
- 1998-2001 Founder and Project Director, Ecopsychology Study Group, Ecopsychology Institute, Center for Psychology & Social Change (CPSC), Harvard Univ., Cambridge, MA
- 1998-1999 Fellow, Center for Integrated Study of the Human Dimensions of Global Change, Carnegie Mellon University, Pittsburgh, Pennsylvania
- 1997-1999 Post-doctoral Fellow, Global Environmental Assessment Project, KSG, Harvard University, Cambridge, Massachusetts
- 1997-1999 Staff member, Spring Hill of Ashby, Opening the Heart workshops

Current Research

Institute for the Study of Society and Environment (formerly, *Environmental and Societal Impacts Group*), National Center for Atmospheric Research

- 2006-present NOAA-Regional Integrated Sciences and Assessment (RISA) Program. *Evaluation of the RISA experience*, with special emphasis on the science-practice interaction; Pilot projects with the Hawai'i/Pacific Island and Alaska RISA centers.
- 2005-present Research on *Adaptation Opportunities and Barriers in New England* as part of a large multi-collaborator climate change impacts assessment for the Northeast (NECIA). Also member of the synthesis team for the entire assessment.
- 2004-present National Research Council. *Public Participation in Environmental Assessment and Decision Making*. Invited Study Participant; focus on the First U.S. National Assessment of the Potential Consequences of Climate Variability and Change.
- 2003-present *Climate Change Communication and Social Change* – Project funded by the MacArthur Foundation; included an interdisciplinary workshop in June 2004 and the preparation of an edited volume (with Lisa Dilling, CIRES/University of Colorado).
- 2003-present *Research on Coping Capacity and Adaptation to Sea-Level Rise and Coastal Erosion in California* – Project partially funded by CalEPA and CEC (with John Tribbia, Amy Luers).
- 2003-present *Development of a Screening Tool for Uncertainty in Decision-Making*; contribution to the Weather and Climate Impacts Assessment Science Program, ISSE/NCAR.

Past Research Projects & Experience

- 2003-2004 *Climate Change Impacts on Human Health in California Metropolitan Areas* (with Larry Kalkstein, Scott Sheridan, Katharine Hayhoe and Norman Miller)

- 1998-99 Field research and technical writing on coastal erosion and flooding issues, the National Flood Insurance Program, and community responses to coastal hazards; Postdoc, Sustainable Coasts Project, The Heinz Center.
- 1997-98 Solicitation of scientific assessor, policy-maker, coastal zone manager, and non-gov. decision-maker insights (through personal interviews, supported by archival research and media analysis) on the effectiveness of information exchange about sea-level rise and coastal storm hazards across levels of scale; Postdoc, Global Environmental Assessment Project, Harvard University; Faculty Sponsor: Dr. William Clark.
- 1995-97 Solicitation of expert and key informant insights (through a workshop and personal interviews, supported by library research) to assess the knowledge base of, and policy responses to, the impacts of sea-level rise; Dissertation, Graduate School of Geography, Clark University; NSF-Dissertation Award; Faculty Sponsor: Dr. Roger Kasperson.
- 1994-96 *Developing Active Learning Modules on the Human Dimensions of Global Change*; Graduate School of Geography, Clark University; NSF-funded, AAG/CCG2-sponsored project; senior staff member; Faculty Sponsor and PI: Dr. Susan Hanson.
- 1994-95 Participation in the development of the GIS software *IDRISI for Windows 1.0*, The Idrisi Project, Graduate School of Geography, Clark University; Faculty Sponsor: Dr. Ronald Eastman.
- 1994 Conceptualization of a video on GIS and remote sensing in the study of geography and environmental issues for high school students, The Idrisi Project, Graduate School of Geography, Clark University; Faculty Sponsor: Dr. Ronald Eastman.
- 1992-94 Quantitative and qualitative characterization and analysis of severe winter storms and their impacts affecting Massachusetts over a 34 year-period; Diplom/Master's Thesis research; University of Trier, Germany; Faculty advisor Dr. Joachim Alexander.
- 1992-93 *Vulnerability to coastal storms and sea-level rise*; DOE/NIGEC-funded project to develop a vulnerability assessment methodology; Graduate School of Geography, Clark University; Co-Principal Investigators and Faculty Sponsors: Drs. Samuel Ratick and Roger Kasperson
- 1991-92 *Developing methodologies to measure tropospheric ozone*; research conducted in the Climatology section of the Geography Department of the University of Trier; Principal Investigator and faculty sponsor: PD Dr. habil. J. Alexander
- 1991 *Social vision of future societies in a changing world*, contributions to the development of a research proposal; funding denied; Graduate School of Geography, Clark University; Faculty Sponsor: Dr. Roger Kasperson
- 1991 *Economic impacts of natural hazards in British Columbia*; research funded by the Sustainable Development Institute at the University of BC; Principal Investigator and faculty sponsor: Dr. Olav Slaymaker, UBC, Canada
- 1989 Field and laboratory research in *geoecology* with Prof. Hartmut Leser, Department of Physical Geography at the University of Basel, Switzerland
- 1988 *Forest soil mapping* with forest manager Dr. Christoff Hoffmann, Trier-Mertesdorf, Germany

Teaching, Curriculum Development, Advising & Mentoring Experience _____

- 2007 Invited mid-career mentor, DISCCRS Symposium, see <http://aslo.org/phd.html>
Invited faculty staff for the Geography Faculty Development Alliance summer

- workshop for early career faculty in geography, University of Colorado, Boulder.
- 2006 Faculty staff for the Geography Faculty Development Alliance summer workshop for early career faculty in geography, University of Colorado, Boulder, June 17-24.
- 2005 Participant in the Geography Faculty Development Alliance summer workshop for early career faculty in geography, University of Colorado, Boulder, June 4-11
- 2004-present Mentor, research advisor for graduate student John Tribbia, CU-Boulder; ongoing mentoring of students elsewhere
- 2004 SOARS Program Mentor for Clarence Mann (Morehouse College), NCAR
- 2000-01 Visiting assistant professor, Clark University; leading graduate seminars on various aspects of the human dimensions of global environmental change; student advising.
- 1999-2003 Developing curriculum guides for grades 9-12 to accompany Union of Concerned Scientists' climate change impact reports on California and the Gulf of Mexico region
- 1997-present Guest lecturer in a variety of undergraduate geography and environmental studies courses at Clark University, Florida State University, University of Connecticut, University of Vermont, Worcester State College, Antioch New England Graduate School, University of Colorado-Boulder, University of California-Santa Cruz.
- 1995/6 Senior staff member on a NSF-funded, AAG/CCG2-coordinated project for *Developing active learning modules on the human dimensions of global change*; Faculty Sponsor and PI: Dr. Susan Hanson
- 1994 Teaching Assistant for *Introduction to Geology*, 1 semester, 2 hours of teaching per week, student advising; Faculty sponsor: Dr. Stanley Herwitz
- 1992 Teaching Assistant and local field trip guide for a course on *Interpretation of aerial photographs of the cultural landscape of Europe*, Clark University/Luxembourg-Programme with Dr. Harry Steward

Publications

Refereed Journal Articles

- forthcoming "Linking vulnerability, adaptation and resilience science to practice: Players, pathways and partnerships." *Global Environmental Change* (first author Coleen Vogel; other co-authors, Roger Kasperson, Geoffrey Dabelko), in revision.
- forthcoming "Beyond Message: Toward a New Vision of Climate Change Communication." *Communication, Cooperation, Participation* (CCP), in revision.
- forthcoming "Managing Climate Risks in California: The Need to Engage Resource Managers for Successful Adaptation to Change." *Climatic Change* (Special Issue on climate change impacts on California), co-author Amy L. Luers, accepted for publication.
- forthcoming "Adaptation to Climate Change in the Northeast United States: Opportunities, Processes, Constraints." *Mitigation and Adaptation Strategies for Global Change* (Special Issue, Wake, C. et al., guest eds.), accepted for publication, forthcoming in 2007 (with Roger E. Kasperson, Gary Yohe, and Julian Agyeman).
- forthcoming "Introduction." *Mitigation and Adaptation Strategies for Global Change* (Special Issue, Wake, C. et al., guest eds.), special issue accepted for publication, first author Peter C. Frumhoff, other co-authors James McCarthy, Jerry Melillo, and Don Wuebbles).
- forthcoming "Communication and interaction at the science-practice interface: Lessons for

- transgressors.” *Climate Policy*, Special Issue on “Local responses to climate change: Linking adaptation, mitigation and sustainable development,” eds. John Robinson and Stewart Cohen, under review.
- forthcoming “More than information: What California coastal managers need to prepare for climate change.” *Journal of the American Planning Association*, under review (first author: John Tribbia).
- 2007 “In the long shadows of inaction: The quiet building of a climate protection movement in the United States.” *Global Environmental Politics* 7(2), May 2007 (Special Issue, H.Bulkeley and S.C. Moser, eds.), in press.
- 2007 “Responding to climate change: Governance and social action beyond Kyoto.” *Global Environmental Politics* 7(2), May 2007 (Special Issue, H.Bulkeley and S.C. Moser, eds.), in press (first author: H. Bulkeley)
- 2006/2007 “Vulnerability to inundation and climate change impacts in California: Coastal managers' attitudes and perceptions.” *Marine Technology Society Journal*, 40(3), Winter 06/07: 4-13; Special Issue on “Reducing the Costs of Coastal Inundation to Coastal Communities, Ecosystems and Resources” (with John Tribbia).
- 2006 “Talk of the city: Engaging urbanites on climate change.” *Environmental Research Letters* 1(1), 10pp., doi:10.1088/1748-9326/1/1/014006; available at: <http://www.iop.org/EJ/toc/1748-9326/1/1>.
- 2005 “Impacts assessments and policy responses to sea-level rise in three U.S. states: An exploration of human dimension uncertainties.” *Global Env. Change* 15: 353-369.
- 2004 “Emissions pathways, climate change, and impacts on California.” *PNAS* 101(34): 12422-12427 (first author: Katharine Hayhoe, other co-authors: Daniel Cayan, Christopher B. Field, Peter C. Frumhoff, Edwin P. Maurer, Norman L. Miller, Stephen H. Schneider, Kimberly Nicholas Cahill, Elsa E. Cleland, Larry Dale, Ray Drapek, R. Michael Hanemann, Laurence S. Kalkstein, James Lenihan, Claire K. Lunch, Ronald P. Neilson, Scott C. Sheridan and Julia H. Verville).
- 2004 “Making climate hot: Communicating the urgency and challenge of global climate change.” *Environment* 46(10): 32-46 (with Lisa Dilling).
- 2003 “Reflections on a discipline-wide project: Developing active learning modules on the human dimensions of global change.” *Journal of Geography in Higher Education* 27(1): 17-38 (first author: Susan Hanson).
- 2001 “Health impacts of climate change.” *Science* 292 (May 11): 1065-1066 (first author: Pim Martens).
- 2000 “Linking global and local scales: Designing dynamic assessment and management processes.” *Global Environmental Change* 10(2): 109-120 (first author: David W. Cash)
- 1998 “Assessing the vulnerability of coastal communities to extreme storms: The case of Revere, MA., USA.” *Mitigation and Adaptation Strategies for Global Change* 3: 59-82 (first author: George Clark, other co-authors: Samuel J. Ratick, Kirstin Dow, William B. Meyer, Srinivas Emani, Weigen Jin, Jeanne X. Kasperson, Roger E. Kasperson, and Harry E. Schwarz)
- [reprinted in Kasperson, J.X. and R.E. Kasperson (eds., 2005). *The Social Contours of Risk, Vol. 2: Risk Analysis, Corporations & the Globalization of Risk*, pp. 198-216Earthscan: London].

- 1996 “A partial instructional module on global and regional land use/cover change: Assessing the data and searching for general relationships.” *GeoJournal* 39(3): 241-283.

Articles in Preparation

- “How many sides to God’s dice?” For *Science* (first author: Eugene A. Rosa, other co-authors: Thomas Dietz, Richard P. Moss, and Scott Atran), in preparation.
- “DUST – a Decision Uncertainty Screening Tool.” For *Climatic Change*, in preparation.
- “‘Deep’ adaptation – Leverage points for whole-community change in the face of climate change and sea-level rise.” For *Mitigation and Adaptation Strategies for Global Change*, in preparation.

Books

- 2006 Moser, Susanne and Lisa Dilling (eds.). *Creating a Climate for Change: Communicating Climate Change and Facilitating Social Change*, Cambridge, UK: Cambridge University Press, 549 pp.

Non-peer-reviewed Articles

- 2007 Is California Preparing for Climate Change and Accelerating Sea-Level Rise? Coastal managers know it’s happening, but very few are planning for it. *California Coast and Ocean*, Spring 2007, forthcoming.
- 2006 “Viewpoint.” *Natural Resources Forum* 30: 330. (Special Issue on the “Impact of Climate Change on Sustainable Development”).
- 2006 “Talk for a change: Communication in support of societal response to climate change.” *IHDP Update* (Newsletter of the Int. Human Dimensions Programme on Global Environmental Change) 6: 17-20 (with Patrick Luganda).
- 2004 “Climate change and the sustainability transition: The role of communication and social change.” *IHDP Update* (Newsletter of the Int. Human Dimensions Programme on Global Environmental Change) 4: 18-19.
- “Catastrophe would be easy.” Invited Op-Ed, *The Denver Post*, June 10, p.7B
- 2003 “Trouble in the heartland: Climate change in the Great Lakes region.” *Catalyst* 2(1): 2-5.
- 2002 “Like oil and water?” *The Witness* 85(10): 13-14.
- 2001 “Debunking denial: How to set global warming skeptics straight.” *Nucleus* 24(2): 1-3. (with Jason Mathers)
- 2000 “Global warming: The US tour.” *Nucleus* 23 (3): 6-8. (Adapted version reprinted in the Newsletter of the US Climate Action Network, *HOTLINE* 5 (1): 2-3).
- 1999 “Climate in the balance: Potential ecological impacts of climate change on California.” *Nucleus* 22 (4): 1-3.
- 1997 “Are Maine islands going under?” *Working Waterfront/Inter-Island News* 10 (7): 18.
- 1994 “Exploring environmental sustainability.” *Tough Questions* (1994 International Conference Issue), Fall 1994: 3, 13. (first author: Jennifer Powers)

Proceedings

- forthcoming “Passing the buck: Money, leadership, and responsibility for adaptation to sea-level rise.” *Coastal Zone '07 Proceedings*, in preparation.
- 2005 “California Coastal Futures.” *PACLIM XXI Proceedings*.
- 2002 “The Role of Information on U.S. State-Level Responses to Sea-Level Rise.” *Proceedings of SOLUTIONS TO COASTAL DISASTERS 2002*. American Society of Civil Engineers, 543-547.
- 2001 “Reaching Policy-Makers: Lessons from California for the Northeast.” *Proceedings of the New England Governors-Eastern Canadian Premiers Workshop on “Climate Change: New Directions for the Northeast,”* Fredericton, New Brunswick, Canada, March 29-30.

Book Chapters (* - indicates refereed publication)**

- forthcoming *** “National Forests” chapter (contributing author; Joyce, L., lead author). In: *Adaptation Options for Climate Sensitive Ecosystems*. CCSP Synthesis and Assessment Product 4.4, Climate Change Science Program: Washington, DC, in preparation.
- forthcoming Communicating Climate Change – Motivating Civic Action: Opportunity for U.S. Democratic Renewal?” In: *Changing Climates in North American Politics: Institutions, Policymaking and Multilevel Governance*, eds. H. Selin and S. VanDeveer, Cambridge, MA: The MIT Press, under review.
- 2007 *** “How can we improve the usefulness of carbon science for decision-making?” Chapter 5 in: *The First State of the Carbon Cycle Report (SOCCR): the North American Carbon Budget and Implications for the Global Carbon Cycle*, A report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research (King, A. et al., eds.) Synthesis and Assessment Product 2.2; lead author: Lisa Dilling, contributing authors: Ronald Mitchell, David Fairman, Myanna Lahsen, Susanne Moser, Anthony Patt, Chris Potter, Charles Rice, Stacy VanDeveer, in final public review.
- 2007 *** “Coastal Systems and Low-lying Areas” Chapter 6 of the *IPCC Fourth Assessment Report*, Robert J. Nicholls and Poh Poh Wong (coordinating lead authors), Virginia Burkett, Jorge Codignotto, John Hay, Roger McLean, Sachooda Ragoonaden, Colin Woodroffe (lead authors), and Barbara Brown, Don Forbes, Jim Hall, Sari Kovats, Jason Lowe, Kathy McInnes, Susanne Moser, Yoshiki Saito, and Richard Tol (contributing authors), in final revision.
- 2007 “Sea-level rise.” In: Glantz, Mickey (ed.). *Heads Up: Early Warning Systems for Weather, Water and Climate*. In press, forthcoming in March 2007 from the Chinese Meteorological Society.
- 2007 “Nor’easters.” In: Glantz, Mickey (ed.). *Heads Up: Early Warning Systems for Weather, Water and Climate*. In press, forthcoming in March 2007 from the Chinese Meteorological Society.
- 2007 *** “Getting fired up: Communication strategies to mobilize the climate movement.” In: *Ignition: The Birth of the New Climate Movement*, eds. Jonathan Isham and Sissel Waage, Washington, DC: Island Press; in press, forthcoming in summer 2007.
- 2006 *** “More bad news: The risk of neglecting emotional responses to climate change information.” In: *Creating a Climate for Change: Communicating Climate Change and Facilitating Social Change*, eds. S. Moser and L. Dilling, Cambridge, UK: Cambridge

- University Press, 64-80.
- 2006 *** "Introduction." In: *Creating a Climate for Change: Communicating Climate Change and Facilitating Social Change*, eds. S. Moser and L. Dilling, Cambridge, UK: Cambridge University Press, 1-27 (first author: Lisa Dilling).
- 2006 *** "Toward the Social Tipping Point: Conclusions." In: *Creating a Climate for Change: Communicating Climate Change and Facilitating Social Change*, eds. S. Moser and L. Dilling, Cambridge, UK: Cambridge University Press, 491-516 (with Lisa Dilling).
- 2006 Moser, S.C. and L. Dilling. "Preface." In: *Creating a Climate for Change: Communicating Urgency and Facilitating Social Change*, eds. S. Moser and L. Dilling, pp. ix-xii.
- 2006 *** "Climate change and sea-level rise in Maine and Hawai'i: The changing tides of an issue domain." In: Mitchell, R., Clark, W.C., Cash, D.W. and Dickson, N.M. (eds.). *Global Environmental Assessments: Information and Influence*. Cambridge, MA: MIT Press, pp.201-239.
- 2003 *** *Confronting Climate Change in the Great Lakes Region: Sustaining the Ecology and Well-Being of Our North American Heartland*. Union of Concerned Scientists and the Ecological Society of America; Cambridge, MA (contributing author to report, Kling, George et al.).
- 2000 *** *Evaluation of Erosion Hazards*. Prepared for the Federal Emergency Management Agency. Washington, DC (contributor to several chapters of a report prepared by The Heinz Center).
- *** "Community responses to coastal erosion: Implications of potential policy changes to the National Flood Insurance Program." (Appendix F, 101pp.) In: *Evaluation of Erosion Hazards*. A Project of The H. John Heinz II Center for Science, Economics and the Environment (2000). Prepared for the Federal Emergency Management Agency, Washington, DC (available at: http://www.heinzctr.org/Programs/SOCW/Erosion_Appendices/Appendix%20F%20-%20FINAL.pdf).
- 1995 "In search for a new understanding of how we create and cope with an uncertain world." In: *The global issues guidebook*, ed. Nicky Short, pp.45-54. Washington, DC: Student Pugwash USA (expanded from a conference paper by the same title.)

Book Reviews

- 2005 Review of "Survival for a Small Planet." *Progress in Human Geography* 29(4): 520-522.
- 2003 "Remaking Her Life: The Daily (Re-)Negotiation of Self and Environment by Chronically Ill Women." Review of *Women, Body, Illness: Space and Identity in Everyday Lives of Women with Chronic Illness*, Pamela Moss and Isabel Dyck, 2003, Rowman & Littlefield, Lanham, Boulder, New York, Oxford. *Mental Health Net* (available online at: <http://mentalthelp.net/books/books.php?type=de&id=1850>)
- "Can the Leopard Change its Spots?" Review of Kovel, Joel. 2002. *The Enemy of Nature: The End of Capitalism or the End of the World?* Fernwood Publ. Ltd.: Nova Scotia, Zen Books Ltd.: London. *Global Environmental Politics* 3(3): 118-120.

- 2001 “Depression.” Review of Osborne, Terry. 2001. *Sightlines: The view of a valley through the voice of depression*. University Press of New England: Hanover, London, NH. *Mental Health Net* (available online at: http://mentalthelp.net/mhn/bookstore/db.cgi?&uid=default&view_records=1&ISBN=1584650834)

Reports (*) - indicates refereed publication)**

- forthcoming *** *Stakeholder Involvement in the First U.S. National Assessment of the Potential Consequences of Climate Variability and Change: An Evaluation, Finally*. Report prepared for National Research Council, Committee on Human Dimensions of Global Change; revised excerpt to be published in: *Public Participation in Environmental Assessment and Decision Making*, NAS/NRC, Washington, DC.
- 2007 Training a Cavalry of “1,000 Voices for Climate Change” – Observations and Recommendations for Ongoing Support and Future Trainings. Report to Vice President Al Gore and *The Climate Project*, Boulder, CO.
- 2006 *** “Communicating Climate Change – Motivating Civic Action: Opportunity for Democratic Renewal?” Wilson Center Occasional Papers No.2, pp.109-118, eds. S. VanDeveer and H. Selin, *Climate Change Politics in North America*, Wilson Center: Washington, DC. Also posted in *The Encyclopedia of Earth* (EoE) at: <http://www.eoearth.org/>
- *** *Climate Change in the U.S. Northeast: A Report of the Northeast Climate Impacts Assessment*. Frumhoff, Peter, James McCarthy, Jerry Melillo, Susanne Moser, and Don Wuebbles. Cambridge MA: UCS; October 2006; available at: <http://www.climatechoices.org/>.
- *** *Preparing for the Impacts of Climate Change in California: Advancing the Debate on Adaptation*. Report prepared for the California Energy Commission, Public Interest Energy Research Program and the California Environmental Protection Agency, Sacramento, CA. (first author Amy L. Luers); available at: <http://www.energy.ca.gov/2005publications/CEC-500-2005-198/CEC-500-2005-198-SF.PDF>
- *** *Climate Scenarios and Projections: The Known, the Unknown, and the Unknowable As Applied to California*. Synthesis Report of a workshop held at the Aspen Global Change Institute, 11-14 March 2004 in Aspen, Colorado, Elements of Change series, AGCI: Aspen, CO.
- 2005 *Enhancing Decision-Making through Integrated Climate Research: Alaska Regional Meeting*. Summary workshop report for the NOAA-OGP-RISA Program, NOAA-OGP, Washington, DC. Available at: http://www.ogp.noaa.gov/mpe/csi/events/risa_021804/report.pdf
- 2004 *Enhancing Decision-Making through Integrated Climate Research: Southern Great Plains Regional Meeting*. Summary workshop report for the NOAA-OGP-RISA Program, NOAA-OGP, Washington, DC. (first author Joel Gratz)
- Rising Heat and Risks to Human Health: Technical Appendix*. Union of Concerned Scientists, Cambridge, MA, available at: <http://www.climatechoices.org>. (first author Katharine Hayhoe; other co-authors Laurence Kalkstein and Norman Miller).
- Climate Change in the Hawkeye State: Potential Impacts on Iowa Communities and*

- Ecosystems*. Report for the Union of Concerned Scientists, Cambridge, MA (available online, including a short summary, at: <http://www.ucsusa.org/iowa>), refereed, (with Katharine Hayhoe and Michelle Wander).
- 2000 *Caught between the sea and a soft place: Community responses to coastal erosion and the National Flood Insurance Program*. (Summary of the community-based portion of the Heinz Center project on coastal erosion). Cambridge, MA.
- Report of the Workshop on Boundary Organizations in Environmental Policy and Science*. Rutgers University, Dec 9-10, 1999. The Environmental & Occupational Health Sciences Institute at Rutgers and UMDNJ-RWJMS, and The Global Environmental Assessment Project. (first author David H. Guston, other co-authors William Clark, Terry Keating, David Cash, Clark Miller, and Charles Powers).
- 1997 *Mapping the territory of uncertainty and ignorance – Broadening current assessment and policy approaches to sea-level rise*. Summary of a research project. Clark University; Worcester, MA.
- 1996 *Uncertainty, ignorance, and surprise in the human dimensions of sea-level rise*. Synthesis Report of a Workshop held at the George Perkins Marsh Institute, Clark University, Worcester, MA, January 24, 1996.
- 1993 *** *Developing methodology and tools for integrated assessment of the risks of global environmental change: Analyzing uncertainty, risk assessment, risk perception, expert judgment, and a case study on sea-level rise*. Report of collaborative research from July 1991 to June 1993, conducted by five teams in the Northeastern United States, funded by the Northeast Regional Center of the National Institute for Global Environmental Change (DoE). Carnegie Mellon University, Clark University, Harvard University and Woods Hole Oceanographic Institution. (contributor).

Working Papers

- 2004 *The Contextual Importance of Uncertainty in Climate-Sensitive Decision-Making: Toward an Integrative Decision-Centered Screening Tool*. Working Paper for the Weather and Climate Impacts Assessment Science Initiative. ISSE/NCAR, Boulder, CO.
- 1998 *Talk globally, walk locally: The cross-scale influence of global change information on coastal zone management in Maine and Hawai'i*. Belfer Center for Science and International Affairs, Global Environmental Assessment. Cambridge, MA: Harvard University.
- 1998 *Information and decision making systems for the effective management of cross-scale environmental problems: A theoretical concept paper*. Prepared for a workshop on local response to global change: Strategies of information transfer and decision making for cross-scale environmental risks. Harvard University, January 29-30, 1998. Cambridge, MA: Harvard University. (first author: David W. Cash).
- 1998 *Information and decision making systems for the effective management of cross-scale environmental problems: A research protocol*. Prepared for a workshop on local response to global change: Strategies of information transfer and decision making for cross-scale environmental risks. Harvard University, January 29-30, 1998. Cambridge, MA: Harvard University. (with David W. Cash)
- 1998 *Cross-scale interactions in assessment, information systems, and decision-making*. 1998 Workshop on Global Environmental Assessment and Public Policy Cross-Scale

Working Group Theme Paper. Cambridge, MA: Harvard University (first author: Cash, David W., other co-authors Ted Parson and William Easterling).

Teaching Modules and Supporting Materials

- 2002 *Curriculum guide accompanying "Confronting Climate Change in the Gulf Coast Region: Prospects for Sustaining our Ecological Heritage."* Cambridge, MA: Union of Concerned Scientists (with Sharon Locke).
- 2001 *Curriculum guide accompanying "Confronting Climate Change in California: Ecological Impacts on the Golden State."* Cambridge, MA: Union of Concerned Scientists.
- 1996 *Human driving forces and their impacts on land use/land cover.* Association of American Geographers: Washington, DC.
- Notes on active pedagogy.* Washington, DC: Association of American Geographers (with Susan Hanson)

Translation (German to English)

- 1996 Wastl-Walter, Doris. "Environmental protection against the state: From protest movement to changing value systems." In: *Feminist Political Ecology*, Dianne Rocheleau and Barbara Thomas-Slater, eds. New York: Routledge.

Affiliation with Professional Organizations

- 2005-present Associate Member, IHDP Core Project on Global Environmental Change and Human Security (GECHS)
- 2004-present Member, American Geophysical Union
- 1998-2003 Member, National Council for Geographic Education
- 1998-present Member, Union of Concerned Scientists, Sound Science Initiative
- 1994-2000 Member, Verband der Geographen an Deutschen Hochschulen
- 1992-present Member, Association of American Geographers (AAG)

Professional Services

Professional and Outreach/Community Services

- 2007 Mentor, DISCCRS (Dissertation Initiative for the Advancement of Climate Change Research) III Symposium, Kilauea Military Camp, Hawai'i Island, September 10-17.
- 2006-2007 Member, City of Chicago *Climate Research Advisory Council*, City of Chicago and Global Philanthropy Partnership.
- 2006-2007 Member, Organizing Committee for the *19th Kavli Frontiers of Science Conference*, sponsored by the National Academies of Sciences.
- 2006 Advisor to Mayor of Boulder on developing a local climate change outreach strategy
- 2006-present Scientific Advisor, Red Hill Studios, *California Climate Change Challenge Project*
- 2006-present International Advisor, *GEOIDE SII Local Climate Change Visioning Project*, Collaborative for Advanced Landscape Planning (CALP), University of British Columbia, Vancouver, BC.

- 2005-present Member, Synthesis Team, *Northeast Climate Change Impacts Assessment* (coordinated by the Union of Concerned Scientists)
- 2004-present Member, Scientific Advisory Board, *Social Change and the Nascent Climate Movement* (Middlebury College, VT & The Natural Step, San Francisco, CA)
- 2003-2006 Member, Scientific Advisory Council, *Consortium of Atlantic Regional Assessment* (CARA), Pennsylvania State University, College Station, Pennsylvania
- 2003 Participant, *Biocomplexity Land/Water Interface/Climate Change Workshop* – designing an interdisciplinary post-graduate capstone program, Catalina Island, CA
- 2000-2002 Appointed member, *Cambridge Climate Protection Task Force*, Cambridge, MA

Service at NCAR

- 2007-present Member, ISSE/NCAR Earth Day Planning Committee
- 2006-2007 Member, ISSE Administrative Assistant Search Committee
- 2006-present Member, Advanced Studies Program (ASP) Advisory Council
- 2005-2006 Member, ISSE Deputy Director Search Committee
- 2005 Review of ASP post-doc applications and Opportunity Fund proposals
- 2005 Contributions to NCAR Strategic Plan (2005-2015)
- 2004-2006 Member/ISSE Representative, NCAR Early Career Scientist Assembly
- 2004-2005 Member, ISSE Director Search Committee
- 2004 Mentor, SOARS Program for underrepresented minority students in the atmospheric and related sciences
- 2003-present Member, NCAR Library Committee
- 2003-present Co-coordinator, ESIG/ISSE-CGD Seminar Series

Service in Professional Organizations

- 2005-2008 Member, AAG Scientific Freedom and Responsibility Committee
- 2002-2004 Chair, AAG Human Dimensions of Global Change Specialty Group
- 2000-2002 Secretary/Treasurer, AAG Human Dimensions of Global Change Specialty Group
- 1999-2002 Member, Board of Directors, AAG Hazards Specialty Group
- 1998-2002 Member, Board of Directors, AAG Human Dimensions of Global Change Spec. Group
- 1996-1998 Secretary/Treasurer, AAG Human Dimensions of Global Change Specialty Group

Academic Affairs, Clark University

- 1996/7 Member, *Advisory Committee* for the Clark University Environmental School, planning of the 1997 Summer Institute (Chair: Mimi Stephens)
- 1995/6 Member, *MA GIS/International Development Program Oversight Committee* (Chairs: Drs. Ronald Eastman & Barbara Thomas-Slater)
- 1995 Member, *Environmental School Inauguration Committee* (Chair: Mary Melville)
- 1994/5 Member, *Director Search Committee* (Chair: Dr. Ronald Eastman)

- 1993/4 Co-coordinator of *Clark University Geographical Society* (CUGS), representing graduate student affairs within the Department and the University
- 1993 Member, *Tenured Faculty Review Committee* (Chair: Dr. Gerald Karaska)

Peer Review

- 1998-pres. Review of funding proposals and reports for *National Research Council, National Science Foundation, U.S. Global Change Research Program, NOAA-Sea Grant, NOAA-Office of Global Programs* (various programs, incl. RISA, SARP); *Intergovernmental Panel on Climate Change* (various); *Inter-American Institute for Global Change Research*; Review of global change research strategies of the *EPA, U.S. Global Change Research Program, Climate Change Science Program*
- Review of journal manuscripts for the *AAG Annals, Geoforum, Global Environmental Politics, ARCTIC, Physical Geography, Journal of the American Water Resources Association (JAWRA), Climatic Change, Regional Studies, Local Environment, Global Environmental Change, Environmental Science & Policy, Journal of Environmental Management, Geography Compass*
- Review of book manuscripts for *Arizona University Press, SCOPE/Springer*

Editorial Services

- 2005-present Member, Editorial Board (“Wissenschaftlicher Beirat”), *Communication, Cooperation and Participation* (E-Journal for Sustainable Societal Transformation Processes)
- 2002-2003 Contributing Editor, *The Witness* – liberal Episcopalian magazine, www.thewitness.org

Consulting

- 2007 Evaluation of Al Gore’s Climate Change Communications Training for 1000 volunteers, Nashville, TN, The Climate Project, pro bono.
- 2006-2007 ICF, contract for EPA and the CCSP, Synthesis and Assessment Product 4.4 (Managing Federal Lands under Climate Change).
- 2004-2005 The New York State Attorney General’s Office, Albany, New York.
Aspen Global Change Institute, Aspen, Colorado.
- 1999, 2003 Union of Concerned Scientists, Cambridge, Massachusetts.
- 1998-1999 The H. John Heinz III Center for Science, Economics and the Environment, Washington, DC.
- 1998 Center for Psychology and Social Change, The Ecopsychology Institute, Cambridge, Massachusetts.
- 1996 The Idrisi Project, Clark University, Creative Directions Committee,
K-12 Initiative, Worcester, Massachusetts.

Fund Raising Experience

- 2006 Internal Proposal to NCAR’s Weather & Climate Impacts Assessment Science Program, research related to decision-making under uncertainty, the NCAR-RISA collaboration, and science-policy interaction in the context of adaptation in coastal regions (\$80,000).

- 2005 “Information Needs to Deal with the Impacts of Sea-Level Rise on Coastal California” and “Indices of Coping Capacity in California”, California Environmental Protection Agency and California Energy Commission (\$26,262).
- 2004-06 “Toward Successful NCAR–RISA Collaboration: An Exploratory Workshop.” NOAA-OGP (\$4,000); NCAR Weather and Climate Impacts Assessment Science Initiative (\$5,000).
- 2003-04 “Climate Change Communication and Social Change Project” – funds raised from NSF (\$5,000), Walter Orr Roberts Institute/NCAR (\$6,500), and the Environmental and Societal Impacts Group (\$5,000); additional (unsolicited) funds from The MacArthur Foundation (\$25,000).
- 1999-2003 Contributed to various successful proposals to private foundations (e.g., Packard, Turner, Oak, Luce, MacArthur, Marbrook and others for climate change-related projects) while at the Union of Concerned Scientists.
- 1998 Contributed to various successful federal agency proposals to raise funds for the GEA-Postdoctoral Fellowship.
- 1995-97 NSF-Dissertation Award, \$10,200

Presentations

Invited Papers

- 2007 *Title TBD*. George Washington University, Public Health Communication & Marketing Program, GWU School of Public Health and Health Services, date TBD.
Don't Just Talk at Someone - Sit There! Toward Dialogue and Engagement on Global Warming. Invited presentation at Clark University, Worcester, MA in the School of Humanities Difficult Dialogues event series, fall 2007, date TBD.
Title TBD. Invited panel presentation with Mark Hertsgaard and Terry Taminen, Society of Environmental Journalists Annual Meeting, Stanford University, September, 2007.
Warming to the Reality of Global Warming: Meeting the Challenge Locally and Globally. Invited presentation to the Denver Tech Center Rotary Club, April 2007.
The Contextual Importance of Uncertainty in Climate-Sensitive Decision-Making: Toward an Integrative Decision-Centered Screening Tool. Invited paper for an international symposium entitled “Climate Change in the Great Lakes Region: Decision Making under Uncertainty” at Michigan State University, March 2007.
Managing Climate Change Risks in Coastal California: Attitudes, Information Needs, and Institutional Constraints. Invited presentation to the California Coastal Conservancy, San Francisco, CA, February 20.
- 2006 *Managing Climate Change Risks in Coastal California: Attitudes, Information Needs, and Institutional Constraints*. Invited presentations to the California Coastal Commission (commissioners and staff), San Francisco Bay Conservation and Development Commission, and the Public Policy Institute of California, San Francisco, CA, December 14, 18, 19.
Ready or Not? – Preparedness for Climate Change and Adaptation in the Coastal Zone. Invited plenary presentation and discussion at the *Third Annual Restore America's Estuaries* conference, New Orleans, December 12.

...And the Reassuring Lies about Societal Adaptation: Is the U.S. the Next Akkadian Empire? Presentation in a session entitled "Prepare Immediately for Whatever Happens Next: Human Civilization and Climate Change" at National Academy of Sciences' 18th Annual U.S. Kavli Frontiers of Science symposium, November 2-4, Irvine, CA. (Session chosen from all of the 18th Kavli sessions for repeat presentation to the entire Academy in April 2007)

Dances-with-Uncertainty: Communicating What Matters About the Unknown to Decision-Makers. Invited presentation at the IAI-NCAR Symposium, September 12, Boulder, CO.

Preparing for the Impacts of Climate Change in California: How Ready is the Coastal Sector? Invited presentation at the Third Climate Change Research Conference, September 14, Sacramento, CA.

Communicating Climate Change – Motivating Civic Action: Opportunity for Democratic Renewal? Invited presentation at a conference entitled "North American Climate Change Politics and Policy." Woodrow Wilson International Center for Scholars, May 18-19, Washington, DC.

Communicating our Passion for a Better World. Invited presentation to the Climate Action Network Australia, Sydney, May 12.

Talk for a Change: Challenges and Opportunities for Effective Communication of Climate Change. Invited presentations to CSIRO, Hobart, May 5; CSIRO, Aspendale, May 8; Bureau of Meteorology, Melbourne, Australia, May 8.

Communication and Interaction at the Science-Practice Interface: Lessons for Transgressors. Invited presentation at an International Workshop, "Climate Change Adaptation, Mitigation and Linkages with Sustainable Development", April 19–21, 2006, Vancouver, BC, Canada.

Talk of the City: Engaging Urbanites on Climate Change. Invited paper on 'New Approaches to Public Engagement' presented at an International Workshop, "Climate Change and Urban Areas," organized by Tim Killeen and Peter Backlund, London, UK, April 3-4.

Lessons from Assessments: Linking and Communicating Science to Decision-Makers. Invited presentation to the NRC Committee on the "Analysis of Global Change Assessments," March 30-31, Washington, DC.

*After the WAS*IS Ecstasy, the Laundry.* Invited paper at the (international) second Weather and Society Integrated Studies (WAS*IS) workshop, March 16, Boulder, CO.

Climate and Terrorism: Commonalities and Differences in Societal Response. Invited paper, AAAS Symposium "Risks and Society in the 21st Century", organized by Thomas Dietz and Eugene Rosa, AAAS Annual Meeting, St. Louis, Missouri, February 19. [adapted version presented as an ISSE Coffee talk on 4/11/06]

2005 *Making It Real: Talking About Climate Change in Iowa.* Invited paper presented at the Iowa Environmental Council Annual Meeting, Des Moines, IA, September 17.

"North to the Future": Communicating to and from the Arctic Front Lines of Climate Change. Invited speaker at the "Arctic Forum 2005" Washington, DC, May 19-20 (delivered by L. Dilling).

Every Urgency Needs a Good Story. Invited panel commentary presented at the "Whole

- Earth Systems: Science, Technology and Policy” symposium in honor of Steve Schneider, Stanford University, February 12.
- 2004 *Making Climate Hot: Communication Strategies for Climate Change*. Invited presentation at a Public Forum, entitled “Impacts of Climate Change on Southern California; The Next 30 Years,” City of San Diego, CA, November 16.
- The Decades after Tomorrow: Global Warming and the Sacred Covenant*. Invited presentation to the Arvada, CO United Methodist Church, August 15.
- Confused and Scared and Deeply in Denial: Thinking Out Loud About How to Improve Climate Change Communication and Facilitate Social Change*. University of Colorado, Boulder, CIRES, January 26.
- 2003 *Linking Risk and Hazards Research with the Question of Vulnerability of People, Places and Ecosystems in Sustainability Science*. Presentation at the occasion of the Jeanne X. Kasperson Research Library Dedication, Clark University, April 24,.
- Uncertainty and Ignorance in the Human Dimensions of Global Change: Building A Systematic Nomenclature*. Paper presented to the Environmental & Societal Impacts Group at the National Center for Atmospheric Research, Boulder, CO, February 21.
- Talk Globally, Walk Locally: Lessons for Science-Policy Interaction from Sea-Level Rise Assessments in Maine and Hawai’i*. Paper presented at the University of Arizona, Tuscon, AZ, March 14.
- 2002 *Sustaining our Future: Global Warming and Martha’s Vineyard – What You Can Do*. Martha’s Vineyard, October 23.
- Global Warming – State of the Science, State of the Policy*. Presentation to the Maine MidCoast Forum, Samoset, ME, October 7.
- Science and Advocacy – Does it Work? How Does it Work?* Presentation to the Environmental Studies Department at Antioch New England Graduate School, Keene, NH, October.
- 1999 *Talk Globally, Walk Locally: Vulnerability and Response to Sea-Level Rise in Maine and Hawai’i*. Presentation at the University of Vermont, Burlington, VT. February 25.
- 1998 *Sea-Level Rise Risks and Responses in Maine*. Invited panel presentation and discussion, June Ficker Lecture Series, Year of the Ocean, 1998. Wells, ME, June 25.
- 1997 *Going Out on the Edge: New Perspectives on Uncertainty and Ignorance in the Assessment and Management of Sea-Level Rise*. Paper presented at the George Perkins Marsh Institute, Clark University, Worcester, MA, November 21.
- Is the Glass of Societal Response to Global Change Half Empty or Half Full? – Lessons from State-Level Policy Responses to Sea-Level Rise*. Paper presented at Florida State University, Tallahassee, FL on March 7 and at the University of Connecticut, Storrs, CT, March 26.

Other Conference Papers and Presentations

- 2007 “Potential Adaptation Options for U.S. National Forests to Climate Change.” Paper to be presented at the *Fourth USDA Greenhouse Gas Conference: Positioning Agriculture and Forestry to Meet the Challenges of Climate Change*, L. Joyce, G.M. Blate, S. McNulty, C. Millar, S. Moser, R.P. Neilson, D.L. Peterson (Geoff Blate presenting),

Baltimore, MD, February.

Climate Change Science in Support of Societal Decision-Making: What Practitioners Need. Paper to be presented in a session entitled “Climate Prediction: Meeting Societal Needs,” Don Wuebbles (organizer), AAAS Annual Meeting, San Francisco, CA, February 15-19.

Changing the Climate Change Conversation: Larger Lessons. Paper to be presented in a session entitled “Communicating Climate Change: Strategies for Effective Engagement,” Susanne Moser (organizer), AAAS Annual Meeting, San Francisco, CA, February 15-19.

Shaking Hands with the Govenator: A Science-Practice Blockbuster called California. Paper to be presented at the AAG Annual Meeting, San Francisco, CA, April 17-21.

Passing the Buck: Money, Leadership, and Responsibility for Adaptation to Sea-Level Rise. Paper to be presented at *Coastal Zone '07*, Portland, OR, July 22-26.

2006 *Confessions of a Communications Junkie: Cliff Notes from the Science-Practice Interface.* Paper presented in a session entitled “Communicating Broadly: Perspectives and Tools for Ocean, Earth and Atmospheric Scientists,” Cheryl Peach et al. (organizers), AGU Annual Meeting, San Francisco, December 15.

Adapting to the Impacts of Climate Change: How Ready Is Coastal California? Paper presented at the California and the World Ocean '06 conference in a session entitled “Implications of a Rising Sea Level for California”, Long Beach, CA, September 19.

2005 *Which Uncertainties Matter for Decision-Making? Development of an Integrative Decision-Centered Screening Tool with an Application to Coastal Management in California.* Poster accepted for the U.S. Climate Change Science Program’s Workshop on “Climate Science in Support of Decision Making”, Arlington, VA, Nov 14-16.

Meeting Societal Needs: Regional Integrated Assessments in Support of Decision-Making. Poster accepted for the U.S. Climate Change Science Program’s Workshop on “Climate Science in Support of Decision Making”, Arlington, VA, Nov 14-16 (first author: Luers, Amy L., other co-author: Peter Frumhoff).

“If I kept silent”: Supporting Social Change through Effective Communication of Climate Change. Paper to be presented to Members of Rachel’s Network (national organization of women environmental philanthropists), Boulder, CO, November 10.

One Hundred Ways to Miss the Mark: Avoiding the Pitfalls in the Communication – Social Change Continuum. Paper presented at the Sixth Open Meeting of the Human Dimensions of Global Change Research Community, Bonn, Germany, October 10.

Everything But the Power Suit: Reflections on Three Leadership Programs. ISSE Coffee Talk, Boulder, CO, August 2.

In the Long Shadows of Inaction: The Quiet Building of a Climate Protection Movement in the United States. Paper presented at the AAG Annual Meeting, Denver, CO, April 8.

Extreme Heat and Health Impacts in California. Paper presented at the AMS Annual Meeting, San Diego, CA, January 10 (first author: Katharine Hayhoe, other co-authors: L. Kalkstein, N.L. Miller, S.C. Sheridan, and M. Dettinger).

2004 *Communicating the Urgency and Challenge of Global Climate Change: Lessons Learned and New Strategies.* Paper presented at the AGU Annual Meeting, San

- Francisco, December 15 (first author: Lisa Dilling).
- 2004/2005 *Climate Change and Potential Future Heat-Related Mortality in California*. Paper presented at the “Climate & Health Symposium” July 21-28, 2004, NCAR, Boulder, CO (presented again on May 23, 2005 at NCAR – Inter-America Institute meeting).
- California Coastal Futures – Sea-Level Rise and Policy Scenarios*. Paper presented at the 21st PACLIM Workshop, Asilomar Conference Center, Pacific Grove, CA, March.
- “Deep” Adaptation – Leverage Points for Whole-Community Change in the Face of Climate Change and Sea-Level Rise*. Paper presented at the 100th Annual Meeting of the Association of American Geographers, Philadelphia, PA, March 16.
- 2003 *When the Climate Gets Tough, Will Tough Species Get Going? – Sound Science in Support of Conservation Management*. Paper presented at a Symposium entitled *Conservation in a warmer world: Great Lakes ecosystems, climate change and the need for new approaches for ecosystem protection*. 17th Annual Meeting of the Society for Conservation Biology, Duluth, MN, June 28–July 3.
- Can We Make a Difference? – Comparison of the Policy Outcomes from Two Climate Impact Assessments*. Paper presented at the 2003 AAG Annual Meetings, New Orleans, LA, March 2003 (with Nancy S. Cole).
- 2002 *Climate Change Threatens the Most Vulnerable*. Presentation held in the “Environmental Justice, Empowering Communities” Symposium at the Annual Meeting of the Ecological Society of America Meeting, Tuscon, AZ, August 8 (first author: Nancy S. Cole).
- The Role of Information in US State-Level Responses to Sea-Level Rise*. Paper presented at the *SOLUTIONS TO COASTAL DISASTERS 2002* conference in San Diego, CA, February 24-27.
- Into the Deep: Shedding Some Light on the Political, Legal and Ethical Aspects of Ocean Carbon Sequestration*. Paper presented at the ASLO meeting in Hawai’i, February 11-15 (first author: Lara Hansen).
- 2001 *Reaching Policy-Makers: Lessons from California for the Northeast*. Paper presented at the New England Governors-Eastern Canadian Premiers Workshop on “Climate Change: New Directions for the Northeast,” Fredericton, New Brunswick, Canada, March 30.
- 2000 *Caught Between the Sea and a Soft Place: Community Responses to Coastal Erosion and to Possible Policy Changes in the NFIP*. Paper presented at the Meeting of the Association for Public Policy Analysis and Management (APPAM), Seattle, WA, November 4.
- Communication and Management of Multi-Scale Environmental Hazards: The Case of Accelerated Sea-Level Rise*. Paper presented at the Annual Meetings of the AAG, Pittsburgh, PA, April 5.
- 1999 *Bridge Over Troubled Waters: Sea Grant as a Scale-Spanning Boundary Organization*. Paper presented at a workshop on boundary organizations at Rutgers University, New Brunswick, NJ, December 9.
- Global Change Information for US Coastal Zone and Water Resource Management*. Paper presented at the Third Open Meeting of the Human Dimensions of Global Change Research Community, Shonan Village, Japan, June 26 (with David W. Cash).

Taking Local Control of a Global Problem: What it May Take to Respond to Sea-Level Rise. Paper presented at the "Saving the Coast" session, 1999 Spring Mtg., American Geophysical Union, Boston, MA, May 31.

Linking Global and Local Scales: Design Guidelines for Dynamic Assessment & Management Processes. Paper jointly presented at Harvard University, KSG, Cambridge, MA. April 19 (with David W. Cash).

Insuring Against the Inevitable: Can the National Flood Insurance Program Accommodate Changes in Coastal Hazard Regimes? Paper presented at the Annual Meetings of the AAG, Honolulu, HI, March 1999.

- 1998 *Traces on E-rhoding Shores: Uncertainty and Ignorance in the Human Dimensions of Sea-Level Rise.* Illustrated paper presented at the Annual Meetings of the AAG, Boston, MA, March 26.
- 1996 *Principles of Active Pedagogy.* Paper presented at NESTVAL '96, Clark University, Worcester, MA, November 1.
- Come Fall or Rise: Policy Responses to the Uncertain Impacts of Sea-Level Change.* Paper presented at NESTVAL '96, Clark University, Worcester, MA, November 2.
- 1995 *Our Hope, Our Challenge -- On the Up-Side of Uncertainty and Ignorance in Global Environmental Change.* Paper prepared for (read by R. Kaspersen at) the AAG Annual Meetings, Chicago, IL, March 14-18.
- 1994 *In Search for a New Understanding of How We Create & Cope with an Uncertain World.* Paper presented at the 8th International Student Pugwash Conference, "Science and Technology for the 21st Century: Meeting the Needs of the Global Community," Baltimore, MD, June 12-18.
- 1994/5 *Weathering Bad Weather: Operationalizing the Concept of Vulnerability to Severe Storms in a Case Study of Four Massachusetts Coastal Communities.* Paper presented at the Annual Meeting of the AAG, March 29-April 2, San Francisco, CA, and slightly revised at the First Open Meeting on the Human Dimensions of Global Change, June 1-3, 1995, Duke University, Durham, NC (contributor; first author George Clark).
- 1993 *Assessing Vulnerability to Extreme Storm Events Using Geographical Information Systems (GIS).* Paper presented at the GIS/LIS '93, November 1-4, Minneapolis, MN (contributor; first author Emani, Srinivas).

Workshops and Conferences (co/organized, co/chaired, recorded)

- 2006 *Exploring the Boundaries of Nature: An Interactive Dialogue on the Environment,* Aspen, CO, August 13-19 (co-organizer with Jeffrey Kiehl, Steve Bennett, Galin McGowan, Stephen Foster, Donald Williams).
- Toward Successful NCAR-RISA Collaboration: An Exploratory Workshop.* Organizing/brainstorming meeting, Tuscon, AZ, March 20 (organizer and co-leader with Linda Mearns).
- 2005 *Toward Successful NCAR-RISA Collaboration: An Exploratory Workshop.* Organizing/brainstorming meeting, November 15, Arlington, VA. Follow-up meeting in Tuscon, AZ, March 2006 (initiator and organizer).
- 2004 *Communicating Urgency – Facilitating Social Change.* Three-day workshop on climate change communication and social change, NCAR, June 8-11 (co-organizer, co-chair)

with Lisa Dilling).

Climate Scenarios and Projections: The Known, the Unknown and the Unknowable – Applied to California. Aspen Global Change Institute - Workshop Co-chairs: Steve Schneider and Richard Moss, March 2004 (session recorder and synthesizer).

Enhancing Decision-Making Through Integrated Climate Research: Alaska Regional Meeting. Sponsored by NOAA-Regional Integrated Sciences and Assessments (RISA) Program, Anchorage, AK, February 18-19 (workshop recorder and synthesizer).

1999 *Third Open Meeting of the Human Dimension of Global Change Research Community,* Shonan Village, Japan, March 24-26 (session recorder).

1998 *Meeting in the Middle, Meeting of the Minds: Cross-Scale & Regional Research Experience and Needs.* Kennedy School of Government, Harvard University, March 25 (organizer and chair).

Active Undergraduate Teaching and Learning. AAG Annual Meetings, Boston, MA, March 25 (co-leader).

Regional Workshop on the Consequences of Climate Change and Variability for the Hawai'i-Pacific Region, March 2-6, Honolulu, HI (recorder for the *Public Health and Safety* Working Group).

Local Response to Global Change: Strategies of Information Transfer and Decision Making for Cross-Scale Environmental Risks. Workshop held January 29-30, Belfer Center for Science and International Affairs, John F. Kennedy School of Government, Harvard University (co-leader).

1997 *U.S. Climate Forum: The Consequences of Climate Change for the Nation,* November 12-13, Washington, DC (recorder for the *Coastal Regions* and *Urban and Community Services* Working Groups)

Active Undergraduate Teaching and Learning. Workshop on April 1, AAG Annual Meetings, Fort Worth, TX (co-leader).

1996 *Uncertainty, Ignorance, and Surprise in the Human Dimensions of Sea-Level Rise.* Expert workshop held at the George Perkins Marsh Institute, Clark University, January 24 (organizer and chair).

Developing Active Learning Modules on the Human Dimensions of Global Change. Second workshop for faculty from North American colleges and universities, held at Clark University, June 20-25 (co-organizer, presenter, and working group leader).

1995 *Developing Active Learning Modules on the Human Dimensions of Global Change.* First workshop for faculty from North American colleges and universities, held at Clark University, June 18-23 (co-organizer and working group leader).

1992 *6. Annual Meeting of Feminist Geographers in German-Speaking Countries,* Trier, Germany, January 10-12 (co-organizer and co-chair).

Panels (contributed, co-chaired, or co-organized)

2007 *Bringing Geography to the World.* Panel organizer and chair, AAG Annual Meeting, San Francisco, CA, April 17-21.

Title TBD. Invited panel presentation on Earth Day, April 22, Koelbel Library, Arapahoe Library District, Centennial, Colorado.

- 2006 *Science, Scientists, and the Media*. Invited presentation and panel discussion, University of California—Santa Cruz, November 6.
- Getting to the Heart of the Science-Practice Interaction*. Panel contribution at the ARCUS 18th Annual Meeting and Arctic Forum, Washington, DC, May 26.
- 2005 *Climate Change Needs Social Change: The Role of Communication*. Paper session at the Sixth Open Meeting of the Human Dimensions of Global Change Community, Bonn, October 10, 2005 (co-organizer and co-chair with Patrick Luganda, Uganda)
- Work at the Science-Practice Interface*. Invited panelist in a session on the Science-Practice Interface, organized by Coleen Vogel, at the Sixth Open Meeting of the Human Dimensions of Global Change Community, Bonn, October 11, 2005.
- Coastal Futures – High and Dry*. Chair and panel co-organizer. 101st Annual Meeting of the AAG. Denver, CO, April 5-9 (co-organizer and co-chair with Diane Horn, Birkbeck College, London)
- Responding to Climate Change: Governance and Social Action*. Series of paper sessions held at the AAG Annual Meeting in Denver, CO, April 5-9 (co-organized and co-chaired with Harriet Bulkeley, University of Durham, UK).
- 2004 *Communicating Climate Change: Creative Challenge or Conundrum?* Education Session at the AGU Annual Meeting, San Francisco, December 13-17 (co-organizer with Mark McCaffrey).
- Coastal Futures – Trends and Needs*. Chair, and panel co-organizer. 100th Annual Meeting of the American Association of Geographers. Philadelphia, PA, March 18 (with Diane Horn, Birkbeck College, London).
- 2003 *Conservation in a Warmer World: Great Lakes Ecosystems, Climate Change and the Need for New Approaches for Ecosystem Protection*. Symposium organizer, chair. 17th Annual Meeting of the Society for Conservation Biology, Duluth MN, June 28–July 3.
- Human Dimensions Ten Years Hence: The Geographic Research Challenge*. Panel discussion, chair, organizer, panelist. AAG Annual Meeting, New Orleans, March.
- 2002 *U.S. Climate Change Science Program Planning Workshop for Scientists and Stakeholders*. Invited panelist on the *Human Contributions and Responses to Climate Change* session. U.S. Climate Science Program. Washington DC, December 4.
- Confronting Climate Change in the Classroom*. Interactive session held at Annual Meeting of the North American Association for Environmental Education, Boston, MA, August 10 (co-leader with Nancy Cole and Sharon Locke)
- Finding your Niche: Careers in Ecology*. Panel member, Annual Meeting of the Ecological Society of America, Tuscon, AZ, August 7.
- 2001 *Climate Change and the Gulf Coast Region*. Panel held at the Annual Meeting of the Ecological Society of America, Madison, WI, August 5 (contributor, co-organizer with Rhonda Kranz, ESA).
- 2000 *Scales of Sustainability: Environmental Knowledge and Policy from the Global to the Local*. Paper session at the AAG Annual Meeting, Pittsburgh, PA, April 5 (Chair, co-organizer with Harriet Bulkeley, University of Cambridge, Cambridge, UK).
- 1999 *Hazards and Culture*. Discussant of a paper by James K. Mitchell. Paper presented at the AAG Annual Meeting, Honolulu, HI, March 26.

Global Change and Coastal Hazards. Paper session at the AAG Annual Meeting, Honolulu, HI, March 26-30 (organizer).

Publishing the First Book. Panel discussion at the AAG Annual Meeting, Honolulu, HI, March 26-30 (organizer, chair).

1998 *Sea-Level Rise: Fact or Fiction?* Chair: George Jacobson. Wells National Estuarine Research Reserve, June Ficker Lecture Series, Year of the Ocean, Wells, ME, June 25 (panelist).

1997 *Political Dimensions of Global Environmental Change*, Chair: Shannon O’Lear, Syracuse University, AAG Annual Meeting, Fort Worth, TX, April 1-4 (panelist).

Teaching and Learning about the Human Dimensions of Global Change, Chair: Sarah W. Bednarz, Texas A&M University, AAG Annual Meeting, Fort Worth, TX, April 1-4 (panelist).

1996 *Active Undergraduate Teaching and Learning*. Chair: Susan Hanson. NESTVAL ‘96, Clark University, Worcester, MA, November 1-2 (co-organizer, panelist).

Developing Active Learning Modules on the Human Dimensions of Global Change. Chairs: Susan Hanson, Clark University, and Robert Ford, Salt Lake City. AAG Annual Meeting, Charlotte, NC, April 9-13 (panelist).

1995 *Learning Modules for Teaching the Human Dimensions of Global Change*. Chair: Thomas R. Lewis, Manchester Community College. NESTVAL ‘95, Burlington, VT, November 1-2 (panelist).

Media Work

1999-present Extensive media work with major international, national, and regional **news services and newspapers** (e.g., The New York Times, The Washington Post, Reuters, Associated Press, The Guardian, The Boston Globe, Financial Times, Tampa Tribune, Des Moines Register, Cedar Rapids Gazette, Business Recorder, Saint Paul Pioneer Press; Minneapolis Star Tribune, The Dallas Morning News, St. Louis Post Dispatch, The Birmingham News, The Denver Post, The Daily Camera (Boulder), San Francisco Chronicle, Oakland Tribune, San Jose Mercury News, Tri-Valley Herald (Pleasanton, CA), La Jolla Village News, Yankton Daily Press and Dakotan, SD), The Contra Coast Times, The Christian Science Monitor; The Chronicle for Higher Education; **online news services** (e.g., abcnews.com, Grist Magazine, ENN, The Weather Channel/weather.com, republicans.org, Greenwire, U.S. Newswire, Newhouse News Service), **radio** news and live radio interviews (e.g., BBC London, RTE Ireland, Los Angeles KPFP, Maine Public Radio, NPR Marketplace, NPR Talk of the Nation, WVDR New Jersey, San Francisco KPFR, Minnesota Public Radio, Earthwatch Radio-Wisconsin, Prairie News Service, Iowa Radio Network), **television** interviews (e.g., CNN International, ABC World News Tonight, Boston-Channel 5 News, Tampa Bay-Channel 10, San Francisco KRON, San Francisco KPIX (CBS)), and contributions to **documentaries** – on- and behind-the-screen (e.g., ABC News, CNBC, Canadian Broadcasting Service, PBS, Maine Public Television, Miami NBC6).

1999 Professional media training; follow-up trainings in 2001, 2003, 2004, 2005

Other Outreach

1999-present Occasional policy briefings to federal, state, and local-level policy-makers (e.g., staff of

Senators McCain (AZ), Hagel (NE), Bingaman (NM), Domenici (NM), Salazar (CO); staff of Representatives Conyers (MI), Udall (CO); staff of the Senate Energy and Natural Resources Committee, the House Appropriations Committee (Science, State, Justice and Commerce Subcommittee); California assembly member Fran Pavley; briefing for ~50 California legislative and agency staff; California Coastal Commission; additional briefings to state assembly and senate committees, staff of various state agencies and secretaries in California, Florida, Iowa, Massachusetts, Minnesota, Missouri; local government staff in Cambridge, MA, Boulder, CO, Chicago, IL)

1997-present Regular outreach to civic, faith-based, and special interest groups, and other non-scientific audiences

(last updated February 15, 2007)