

**DIANA M. LIVERMAN**  
**CV**

Co-director, Institute of the Environment and Regents Professor of Geography and Development and University of Arizona, Tucson, Arizona, USA

Visiting Professor in Environmental Policy and Development, Oxford University, UK; Senior Research Fellow, Environmental Change Institute; and supernumerary research fellow, Linacre College

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**Brief Summary of Research Interests**

My research has focused on environmental change and policy, especially on the causes, consequences and responses to climate change and the links between environment and local and global food security. I have longstanding interests in climate vulnerability and adaptation; climate policy and mitigation including carbon offsetting; international environmental policy; and the interaction of global environmental change with food security. I take a geographical perspective on environmental change and its human dimensions in that I analyze the both the natural and social, institutional and behavioral causes and consequences of environmental issues, and pay particular attention to how change and impacts vary across space and within society. I have advocated in writing and on national and international committees for the value of interdisciplinary and international research collaborations, for the significance of social sciences in global change research, and for scientists to be more responsive to stakeholders and users of the knowledge we produce.

**Education**

Ph.D. Geography, 1984, University of California Los Angeles (UCLA), USA Dissertation: The use of a simulation model in assessing the impacts of climate on the world food system. Advisors: Werner Terjung and Stephen Schneider. Completed through a fellowship at the National Center for Atmospheric Research (NCAR), Boulder, CO.

M.A. Geography, 1979, University of Toronto, Canada. Thesis: The coordination of response to drought in the Canadian Prairie Provinces .Advisor: Anne U. Whyte.

B.A. Geography, 1976, University College London, England. (1st class honors)

## Professional Experience

- 2008- Co-director, Institute of the Environment and Professor of Geography and Development and University of Arizona
- Coordinate collaboration on research, teaching and outreach on the environment across the UA campus, represent the university to external constituencies, fundraising, strategic planning, manage staff of ~20 and budget of ~\$5m pa, support interdisciplinary efforts of ~300 affiliated faculty. Teaching environmental courses, community outreach.
- 2009- Visiting Professor of Environmental Policy and Development, Oxford University
- After an initial focus on helping a large number of Oxford postgraduates complete their degrees under my supervision and on completing several large research projects I have maintained strong links with the Environmental Change Institute at Oxford University especially through multiple guest lectures and student thesis supervision for the MSc programs in environment at Oxford.
- 2003-2008 Director, Environmental Change Institute, Oxford University (UK) and Professor of Environmental Science in the School of Geography and Environment
- Managed a staff of ~70 researchers and ~£5 million p.a. budget with responsibility for strategic planning, fundraising, coordinating interdisciplinary research and graduate programs, representing the university on environmental issues, teaching graduate level environmental courses.
- 2002 Interim Dean, College of Social and Behavioral Sciences, University of Arizona
- College had 24 units, 5500 students, and a state budget of ~\$22m
- 1996-2002 Director, Center for Latin American Studies, University of Arizona 1999-2003; Professor, Department of Geography and Regional Development, University of Arizona; 1996-1998 Associate Professor, Department of Geography and Regional Development, University of Arizona, Tucson, AZ, USA
- Lead interdisciplinary program focused on Latin America with 10 staff and 140 affiliated faculty, MA and BA degrees. Secure research funding, fundraising, community outreach.
- 1990-1997 Associate Professor, Department of Geography and Associate Director of the Earth System Science Center, The Pennsylvania State University, University Park, PA, USA
- In addition to regular faculty duties I supported the director of the Earth System Science Center in strategic planning and management.

1985-1989 Assistant Professor, Department of Geography, University of Wisconsin, Madison, WI, USA and Adjunct Assistant Professor, Institute for Environmental Studies, University of Wisconsin.

## **Publications**

### *Books*

- 1) Marston, S., Knox, P., Liverman D., Del Casino, V. and Robbins, P. 2013. World Regions in Global Context. 5th edition. Prentice Hall. 459pp. Previous editions. 2010. 2007, 2003, 1999. Winner of the 'Texty' award from Textbook and Academic Authors Association for best college textbook in social science and humanities (2005).
- 2) Richardson, K., Steffen W. and Liverman D. 2011. Climate Change: Global Risks, Challenges and Decisions. Cambridge University Press. 517pp.
- 3) Ingram, J., Ericksen, P. and Liverman D. eds. 2010. Food Security and Global Environmental Change. Earthscan. 384pp
- 4) National Research Council. Liverman, D., Raven P. et al. 2010. Informing an Effective Response to Climate Change. National Academies Press, Washington DC. 300pp.
- 5) Castree, N., Demeritt D., Liverman D. and Rhoads B. eds. 2009. A Companion to Environmental Geography. Wiley Blackwell. 588pp.
- 6) Liverman, D.M., R. Varady, O. Chávez, and R. Sánchez. 2002. Temas ambientales a lo largo de la frontera entre Estados Unidos y México: impulsores de cambio y repuestas de ciudadanos e instituciones. Mexico: El Colegio de México, Centro de Estudios Demográfico y de Desarrollo Urbano. Serie Cuadernos de Trabajo. 87 pp.
- 7) Liverman, D.M., E. Moran, R. Rindfuss and P. Stern eds. 1998. People and Pixels: Linking Remote Sensing and Social Science. Committee on the Human Dimensions of Global Change. National Academy Press: Washington,DC. 244pp

*Journal Articles and Book Chapters*

- 1) Moss R.H., G.A. Meehl, M. C. Lemos, J. B. Smith, J. R. Arnold, J. C. Arnott, D. Behar, G. P. Brasseur, S. B. Broomell, A. J. Busalacchi, S. Dessai, K. L. Ebi, J. A. Edmonds, J. Furlow, L. Goddard, H. C. Hartmann, J. W. Hurrell, J. W. Katzenberger, D. M. Liverman, P. W. Mote, S. C. Moser, A. Kumar, R. S. Pulwarty, E. A. Seyller, B. L. Turner II, W. M. Washington, T. J. Wilbanks. 2013. Hell and High Water: Practice-Relevant Adaptation Science. *Science* 342:696-698. 8 Nov 2013.
- 2) Liverman, D. and Garfin G. 2013. A hotspot for change: causes and consequences of global warming in the Southwest. *Washington Spectator*, Oct 2013.
- 3) Arnall A., Thomas D., Twyman C., D. Liverman. 2013. Flooding, resettlement, and change in livelihoods: evidence from rural Mozambique. *Disasters*37(3):468-488
- 4) Arnall A., Thomas D., Twyman C., D. Liverman. 2013. NGOs, elite capture and community-driven development: perspectives in rural Mozambique. *Journal of Modern African Studies* 51:305-330.
- 5) Liverman, D, Moser, S. et al. 2013. Chapter 18: Climate Choices for a Sustainable Southwest in Garfin, G., A. Jardine, R. Merideth, M. Black, S. LeRoy (eds.), 2013. *Assessment of Climate Change in the Southwest United States*. Washington, DC: Island Press, 509 p.
- 6) Liverman, D. 2013. Bridging the Science-Policy Interface: Informing climate governance in the US. Palutikof, J. et al. (eds.) *Climate Adaptation Futures*. Chichester: Wiley. pp 103-110
- 7) Biermann F., Abbott K., Andresen S., Backstrand K., Bernstein S., Betsill M.M., Bulkeley H., Cashore B., Clapp J., Folke C., Gupta A., Gupta J., Haas P.M., Jordan A., Kanie N., Kluvankova-Oravska T., Lebel L., Liverman D., Meadowcroft J., Mitchell R.B., Newell P., Oberthur S., Olsson L., Pattberg P., Sanchez-Rodriguez R., Schroeder H., Underdal A., Vieira S.C., Vogel C., Young O.R., Brock A., Zondervan R. 2012. Navigating the Anthropocene: Improving Earth System Governance. *Science* 335:1306-1307.
- 8) Biermann, F., K. Abbott, S. Andresen, K. Bäckstrand, S. Bernstein, M. M. Betsill, H. Bulkeley, B. Cashore, J. Clapp, C. Folke, A. Gupta, J. Gupta, P. M. Haas, A. Jordan, N. Kanie, T. Kluvánková-Oravská, L. Lebel, D. Liverman, J. Meadowcroft, R. B. Mitchell, P. Newell, S. Oberthür, L. Olsson, P. Pattberg, R. Sánchez-Rodríguez, H. Schroeder, A. Underdal, S. C. Vieira, C. Vogel, O. R. Young, A. Brock and R. Zondervan 2012. Transforming governance and institutions for global sustainability: key insights from the Earth System Governance Project. *Current Opinion in Environmental Sustainability* 4(1): 51-60.
- 9) Ruth DeFries, Erle Ellis, F. Stuart Chapin III, Pamela Matson, B.L. Turner II, Arun Agrawal, Paul Crutzen, Chris Field, Peter Gleick, Peter Kareiva, Eric Lambin, Diana Liverman, Elinor Ostrom, Pedro Sanchez, James Syvitski 2012, *Planetary Opportunities: A Social Contract for Global Change Science to Contribute to a Sustainable Future*, *BioScience*, 62(6), 603-606.
- 10) Liverman, D. 2011. Informing Adaptation. *World Resources Report*. Online publication as an expert perspective. 7pp. (<http://www.worldresourcesreport.org/responses/informing-adaptation>)
- 11) Liverman, D. 2011. Review essay of Hulme. 2009. Why we disagree about climate change. *Progress in Human Geography* 35(1):134-136

- 12) Cole, J. and Liverman D. 2011. Brazil's CDM Governance in the Context of Brazil's Historical Environment-Development Discourses. *Carbon Management*. 2(2):145-160.
- 13) Overpeck, JT, Miller M. and Liverman D. 2011. Global climate change as a local phenomenon. Chapter 1 in *Navigating Climate Change Policy in a Federal System* edited by Edella Schlager, Kirsten Engel, and Sally Rider, University of Arizona Press.
- 14) Kuruppu, Natasha, and Diana Liverman. 2011. Mental preparation for climate adaptation: The role of cognition and culture in enhancing adaptive capacity of water management in Kiribati. *Global Environmental Change*, 21(2):657-669.
- 15) New, M, Liverman D., Schroeder H. and Anderson K. 2011. Four degrees and beyond: the potential for a global temperature increase of four degrees and its implications. *Phil. Trans. R. Soc. A* January 13, 2011 369:6-19; (Theme Issue 'Four degrees and beyond: the potential for a global temperature increase of four degrees and its implications' compiled and edited by Mark G. New, Diana M. Liverman, Richard A. Betts, Kevin L. Anderson and Chris C. West. January 13, 2011; 369.\*
- 16) Bumpus A.G. and Liverman D.M. 2011. Carbon colonialism? Offsets, Greenhouse Gas Reductions and Sustainable Development. Chapter 10 in Peet, R, Robbins, P. and Watts, M. eds. *Global Political Ecology*. Routledge.
- 17) Biermann, F., M. Betsill, J. Gupta, N. Kanie, L. Lebel, D. Liverman, H. Schroeder, B. Siebenhüner, and R. Zondervan. 2010. Earth system governance: A research framework, *International Environmental Agreements: Politics, Law and Economics*, 1-22.
- 18) Frank Biermann, Michele M Betsill, Susana Camargo Vieira, Joyeeta Gupta, Norichika Kanie, Louis Lebel, Diana Liverman, Heike Schroeder, Bernd Siebenhüner, Pius Z Yanda, Ruben Zondervan, 2010. Navigating the anthropocene: the Earth System Governance Project strategy paper, *Current Opinion in Environmental Sustainability*, 2:202-208
- 19) Liverman, D., & Billett, S. 2010. Copenhagen and the Governance of Adaptation. *Environment: Science and Policy for Sustainable Development*, 52(3), 28-36.
- 20) Lovell, H., & Liverman, D. 2010. Understanding Carbon Offset Technologies. *New Political Economy*, 15(2), 255-273.
- 21) Liverman, D. 2010. Carbon offsets, the CDM and sustainable development. Chapter 11 in *Global sustainability: a Nobel cause*, pp 129-141 edited by H. J. Schellnhuber, M. Molina, N. Stern, V. Huber and S. Kadner. Cambridge, United Kingdom and New York, USA: Cambridge University Press.
- 22) Bottrill, C, D Liverman, and M Boykoff. 2010. Carbon soundings: greenhouse gas emissions of the UK music industry. *Environmental Research Letters* 5:014019. <http://dx.doi.org/10.1088/1748-9326/5/1/014019>
- 23) Boyd, Emily; Nate Hultman, J. Timmons Roberts, Esteve Corbera, John Cole, Alex Bozmoski, Johannes Ebeling, Robert Tippman, Philip Mann, Katrina Brown, Diana M. Liverman. 2009. Reforming the CDM for sustainable development: lessons learned and policy futures. *Environmental Science and Policy*. 12(7):820-831
- 24) New, M., D. Liverman & K. Anderson. 2009. Mind the gap. *Nature (Reports Climate Change)*, 143-144.

- 25) Harrington, J., Yarnal, B., Liverman D. and Turner BL II. 2009. Comparative assessment of human-environment landscape change. Chapter 6 pp 107-136 in B. Yarnal, C. Polsky, and J. O'Brien. Eds. Sustainable Communities on a Sustainable Planet: The Human-environment Regional Observatory Project. Cambridge University Press.
- 26) Liverman D. 2009. Institutions for Collaborative Environmental Research in the Americas: A Case Study of the Inter American Institute for Global Change (IAI). Chapter 17 pp 352-366 in Knight C.G. and Jager J. Eds. Integrated Regional Assessment of Global Climate Change. Cambridge University Press.
- 27) Liverman D. 2009. The geopolitics of climate change: avoiding determinism, fostering sustainable development. *Climatic Change*. 96(1-2): 7-11.
- 28) Lovell H., Bulkeley H. and Liverman D. M. 2009. Carbon offsetting: Sustaining Consumption. *Environment and Planning A* 41(10): 2357-2379 \*
- 29) Boykoff, M, Bumpus, A, Liverman D, and Randalls S. 2009. Theorising the Carbon Economy. Introduction to the Special Issues. *Environment and Planning A* 41(10): 2357-2379.
- 30) Ericksen, P.J., J.S.I. Ingram, D. Liverman. 2009. Food Security and Environmental Change: Emerging Challenges. *Environmental Science and Policy*. 12(4): 373-377. (and overall editors of Special issue).\*
- 31) Liverman, D., Ericksen P and Ingram J. 2009. Governing Food Systems in the Context of Global Environmental Change. pp 59-64. IHDP Update Issue 3, Nov 2009.
- 32) Johan Rockström, Will Steffen, Kevin Noone, Åsa Persson, F. Stuart Chapin, Eric F. Lambin, Timothy M. Lenton, Marten Scheffer, Carl Folke, Hans Joachim Schellnhuber, Björn Nykvist, Cynthia A. de Wit, Terry Hughes, Sander van der Leeuw, Henning Rodhe, Sverker Sörlin, Peter K. Snyder, Robert Costanza, Uno Svedin, Malin Falkenmark, Louise Karlberg. Robert W. Corell. Victoria J. Fabry, James Hansen, Brian Walker, Diana Liverman, Katherine Richardson, Paul Crutzen & Jonathan A. Foley. 2009. A safe operating space for humanity. *Nature* 461, 472-475 (24 September 2009)
- 33) Rockström, J., W. Steffen, K. Noone, Å. Persson, F. S. Chapin, III, E. Lambin, T. M. Lenton, M. Scheffer, C. Folke, H. Schellnhuber, B. Nykvist, C. A. De Wit, T. Hughes, S. van der Leeuw, H. Rodhe, S. Sörlin, P. K. Snyder, R. Costanza, U. Svedin, M. Falkenmark, L. Karlberg, R. W. Corell, V. J. Fabry, J. Hansen, B. Walker, D. Liverman, K. Richardson, P. Crutzen, and J. Foley. 2009. Planetary boundaries:exploring the safe operating space for humanity. *Ecology and Society* 14(2): 32. [online] URL: <http://www.ecologyandsociety.org/vol14/iss2/art32/>
- 34) Liverman D.M. 2009. Conventions of Climate Change: Constructions of Danger and the Dispossession of the Atmosphere. *Journal of Historical Geography*. 35(2): 279-296 Doi: 10.1016/j.jhg.2008.08.008
- 35) Hultman, N., Boyd, E. Roberts J.T., Cole, J., Corbrera E., Ebeling, E., Brown K., and Liverman. D.M. 2009. How Can the Clean Development Mechanism Better Contribute to Sustainable Development. *Ambio*, 38(2): 120-122.
- 36) Bumpus A. and Liverman D.M. 2008. Accumulation by decarbonisation: the governance of carbon offsets. *Economic Geography* 84(2) 127-156.
- 37) Liverman D.M. and Boyd E. 2008. The CDM, Ethics and Development. Pp 47-58 in n Holm Olsen K., Fenham J. eds. A Reformed CDM. UNEP RISOE.

- 38) Liverman, D.M. and Roman Cuesta R.M. 2008. Human interactions with the Earth system: People and pixels revisited. *Earth Surface Processes and Landforms* 33, 1458–1471
- 39) Liverman D.M. 2008. Assessing Impacts, Adaptation and Vulnerability: Reflections on the Working Group II Report of the Intergovernmental Panel on Climate Change. *Global Environmental Change* 18:1 4-7.
- 40) Liverman D.M. 2007. From Uncertain to Unequivocal The IPCC Fourth Assessment Report on the Physical Science Basis of Climate Change. *Environment* Vol 49 No 8 pp 36-39
- 41) Lemos, M.C., E. Boyd, E. Tompkins, H. Osbahr, D. Liverman 2007. Developing adaptation and adapting development, *Ecology and Society*, 12(2): 26 [online] URL: <http://www.ecologyandsociety.org/vol12/iss2/art26/>
- 42) Vilas S. and Liverman D.M. 2007. Scale, Technique and Composition Effects in the Mexican Agricultural Sector: The Influence of NAFTA and the Institutional Environment. *International Environmental Agreements*. 10.1007/s10784-007-9042-6\*
- 43) Rosenzweig et al. 2007. Chapter 1: Assessment of Observed Changes and Responses in Natural and Managed Systems. pp 79-131. IPCC, *Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment. Report of the Intergovernmental Panel on Climate Change*, M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds., Cambridge University Press, Cambridge, UK, 976pp. (Liverman is contributing author).
- 44) Liverman D.M. 2007. *Survival into the Future in the Face of Climate Change. Survival: The Survival of the Human Race (2006 Darwin Lectures)*. E. Shuckburgh. Ed. Cambridge, Cambridge University Press: 187-205.
- 45) Hibbard K.A., Crutzen P.J., Lambin E.F., Liverman D.M., Mantua N.J., McNeill J.R., Messerli B. and Steffen W. 2006. Decadal-scale Interactions of Humans and the Environment. *Sustainability or Collapse: An Integrated History and future Of People on Earth. Dahlem Workshop 96*. R. Costanza, L.J. Graumlich and W. Steffen. Eds. Cambridge, MA, MIT Press: 341-378.
- 46) Liverman D.M. 2006. People and Places at Risk. *Burning Ice: Art and Climate Change*. D. Buckland, A. MAcGilp and P. S. Eds. London, Cape Farewell: 148-149.
- 47) Root T., Liverman D. and Newman C. 2006. Managing Biodiversity in the Light of Climate Change: Current Biological Effects and Future Impacts Chapter 6 in *Key Topics in Conservation Biology*. D. Macdonald and K. Service. Eds. Oxford, Blackwells.
- 48) Liverman D.M. and Vilas S. 2006. Neoliberalism and the Environment in Latin America. *Annual Review of Environment and Resources* 31(1): 327-363.\*
- 49) Liverman D.M. 2004. Who governs, at what scale and at what price? *Geography, environmental governance and the commodification of nature. Annals of the Association of American Geographers*. 94(4): 734-738\*
- 50) Bales, R. C., Liverman, D.M., and Morehouse, B. 2004. Integrated assessment as a step toward reducing climate vulnerability in the southwestern United States. *Bureau of the American Meteorological Society* 85(5): 1175-1727.
- 51) Vasquez M. and Liverman D.M. 2004. The political ecology of land-use change: Affluent ranchers and destitute farmers in the Mexican Municipio of Alamos. *Human Organization* 63(1): 21-33

- 52) Liverman, D., R. G. Varady, O. Chávez, R. Sánchez, A. Browning-Aiken, and L. Stauber 2004. Environmental change in the U.S.-Mexico border region: issues and actions. In *Fronteras y Comunidad Latina en America del Norte*, ed. by A. Mercado Celis and E. Gutiérrez Romero. Mexico City: Universidad Nacional Autónoma de México, Centro de Investigaciones Sobre América del Norte
- 53) Liverman, D.M., B. Yarnal, and B.L. Turner II. 2004. The Human Dimensions of Global Environmental Change. Chapter in G. Gaile and C. Wilmott. *Geography in America at the dawn of the 21 st Century*. Oxford University Press: New York
- 54) Cavazos T., Comrie A.C., Liverman D.M. 2002. Intraseasonal variability associated with wet monsoons in southeast Arizona. *Journal of Climate* 15 (17): 2477-2490 \*
- 55) Liverman D.M. and Merideth R.W. Jr. 2002. Climate and society in the US Southwest: the context for a regional assessment. *Climate Research*. Vol. 21: 199–218.
- 56) Liverman, D.M. 2001. Vulnerability to drought and climate change in Mexico. Pp 201-216 in Kasperson J.X. and Kasperson R. eds. 2001. *Global Environmental Risk*. NY: UNU and Earthscan.
- 57) Liverman D.M. 2001. Environmental Risks and Hazards pp. 4655-4659 in N. J. Smelser and Paul B. Baltes. Eds. 2001 *International Encyclopedia of the Social & Behavioral Sciences*. Pergamon, Oxford.
- 58) Liverman, D.M. 2001. The Inter-American Institute for Global Change Research (IAIGC) in Canadell J. and Mooney H.A. Eds. *Encyclopedia of Global Environmental Change The Earth System: Biological and Ecological Dimensions of Global Environmental Change Volume 2*. New York: John Wiley and Sons.
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- 63) Liverman D.M. 1999. Vulnerability and Adaptation to Drought in Mexico. *Natural Resources Journal* 39(1): 99-115 \*
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- 89) Liverman D.M. 1990. Vulnerability to Global Change. Pp 8-23 in R. Kasperson ed. Understanding Global Environmental Change: The Contributions of Risk Analysis and Management. Report on an International Workshop, Clark University, Earth Transformed Program: Worcester MA. \*
- 90) Liverman D.M. 1990. Medio Ambiente y Seguridad. in S. Aguayo and B. Bagley eds. En Busca de la Seguridad Perdida. Siglo Veintiuno:Mexico D.F..
- 91) Liverman, D.M. 1989. Evaluating Global Models. Journal of Environmental Management 29:215-235.
- 92) Liverman, D.M., M. Hanson, B. Brown and R. Merideth, 1988. Global Sustainability: Toward Measurement. Environmental Management 12:2, 133-143. \*
- 93) Liverman, D.M., 1987. Forecasting the Impact of Climate on Food Systems: Model Testing and Model Linkage. Climatic Change 11:4, 267-285, also in S.H. Schneider and R. Land, 1988, Forecasting in the Social and Natural Sciences. Reidel, Holland.
- 94) Brown, B., M. Hanson, D. Liverman, R. Merideth, 1987. Global Sustainability: Toward Definition. Environmental Management 11:6, 713-719\*
- 95) Marston, S.A. and D.M. Liverman. 1987. Introduction to Computer Applications in Emergency Management. pp. 3-7 in Terminal Disasters, S.A. Marston ed., Monograph No. 39, Institute for Behavioral Sciences, University of Colorado, Boulder.

- 96) Liverman, D.M., W.H. Terjung, J.T. Hayes and L.O. Mearns, 1986. Climatic Change and Grain Corn Yields in the North American Great Plains. *Climatic Change* 9, 327-347
- 97) Hekstra G.P. and D.M. Liverman, 1986, Global Food Futures and Desertification. *Climatic Change* 9, 59-66
- 98) Liverman. D.M., 1986. The Vulnerability of Urban Areas to Technological Risks. *Cities* May 1986, 142-147
- 99) Liverman, D.M., 1986. The Sensitivity of Global Food Systems to Climatic Change. *Journal of Climatology* 6 355-373
- 100) Harwell C.C., T. Ihkita, Y. Shimazu, T. Vrabe, M. Harwell, J. Jacobsen, A. Katz, A. Leaf, D. Liverman, D. Mileh, J. Mitcheu, P. Slovic and G. White, 1985. Chapter 6 in M. Harwell and T. Hutchinson, *The Environmental Consequences of Nuclear War: Ecological and Agricultural Effects*. SCOPE, Wiley: New York.
- 101) Liverman, D.M. and D.J. Sherman, 1985. Natural hazards in novels and films: implications for hazard perception and behaviour. Pp 86-95 in J. Burgess and J.R. Gold, eds., *Geography, the Media and Popular Culture*. Croom Helm: London.
- 102) Terjung, W.H., D.M. Liverman, and J. T. Hayes, 1984. Climate Change and Water Requirements for Grain Corn in the North American Great Plains. *Climatic Change* 6, 193-220
- 103) Liverman D.M. and J.P. Wilson, 1981. The Mississauga Train Derailment and Evacuation, 10-16 November 1981. *The Canadian Geographer* XXV(4): 365-375.

### **In press or in review**

Bumpus, Adam G., Liverman, Diana M. and Lovell, Heather (in revision), *The Rise of Voluntary Carbon Offset Standards: Self-Regulation, Legitimacy and Multi-Scalar Governance* (September 20, 2010). Available at SSRN: <http://ssrn.com/abstract=1680054>

Corell, R. and Liverman D. *A Research Agenda for Climate Assessment*. The US National Climate Assessment. USGCRP forthcoming

Liverman D.M. In press Commentary on 'Who Speaks for the Climate: Making Sense of Media Reporting on Climate Change' by Max Boyoff. *Book Review Forum*. *Dialogues in Human Geography*.

Canevari Luzardo L., Joan Bastide, Isabelle Choutet, Diana Liverman. *Using Partial Participatory GIS (PPGIS) in vulnerability and disaster risk reduction in Grenada* (In Review)

### **Major Reports and Working Papers**

Liverman D.M. and Rockstrom, J. and the Transition Team. 2013. *Future Earth*. ICSU.

Biermann Frank, Kenneth Abbott, Steinar Andresen, Karin Bäckstrand, Steven Bernstein, Michele M Betsill, Harriet Bulkeley, Benjamin Cashore, Jennifer Clapp, Carl Folke, Aarti Gupta, Joyeeta Gupta, Peter M Haas, Andrew Jordan, Norichika Kanie, Tatiana Kluvánková-Oravská, Louis Lebel, Diana Liverman, James Meadowcroft, Ronald B Mitchell, Peter Newell, Sebastian Oberthür, Lennart Olsson, Philipp Pattberg, Roberto Sánchez-Rodríguez, Heike Schroeder, Arild Underdal, Susana Camargo Vieira, Coleen Vogel, Oran R Young, Andrea Brock, Ruben Zondervan. 2012. *Transforming governance and institutions for a planet under pressure*.

Revitalizing the institutional framework for global sustainability: Key Insights from social science research. Planet Under Pressure. Policy Brief on Governance.

Liverman, D.M. 2010. Seeking inspiration: a scientist turns to the cultural sector. pp 21-25 in Julie's Bicycle ed. Long Horizons - An exploration of art and climate change. British Council.

Richardson K, Steffen W, Schellnhuber HJ, Alcamo J, Barker T, Kammen DM, Leemans HBJ, Liverman D, Munasinghe M, Osman Elasha B, Stern N and Weaver O. 2009. Climate Change: Global Risks, Challenges and Decisions. Synthesis Report, University of Copenhagen. 20pp.

Liverman D. 2009. Preface: Suffering the Science, Climate Change, People and Poverty. Oxfam International.

Biermann, F., M. Betsill, J. Gupta, N. Kanie, L. Lebel, D. Liverman, H. Schroeder & B. Siebenhuener. 2009. Earth System Governance: People, Places, and the Planet. Science and Implementation Plan of the Earth System Governance Project. Earth System Governance Report, 1.

Bottrill, C., Lye, G, Boykoff, M. and Liverman D.M. 2008. First Step: UK Music Industry Greenhouse Gas Emissions for 2007. Environmental Change Institute, Oxford University and Julie's Bicycle. <http://www.juliesbicycle.com/wp-content/uploads/2008/05/jb-first-step-e-report.pdf>

Boyd E., Hultman N E., Roberts T., Corbera E., Ebeling J., Liverman D, Brown K, Tippmann R., Cole J., Mann P, Kaiser M., Robbins M. 2007. The Clean Development Mechanism: An assessment of current practice and future approaches for policy: Tyndall Centre Working Paper 114 [http://www.tyndall.ac.uk/publications/working\\_papers/twp114.pdf](http://www.tyndall.ac.uk/publications/working_papers/twp114.pdf)

Committee to Review the U.S. Climate Change Science Program Strategic Plan, National Research Council. 2004. Implementing Climate and Global Change Research: A Review of the Final U.S. Climate Change Science Program Strategic Plan. Washington DC: National Academy Press 152pp.

Committee to Review the U.S. Climate Change Science Program Strategic Plan, National Research Council. 2003. Planning Climate and Global Change Research: A Review of the Draft U.S. Climate Change Science Program Strategic Plan. Washington DC: National Academy Press. 99 pp.

Committee on the Human Dimensions of Global Change and Committee on Global Change Research. 1999. Human Dimensions of Global Environmental Change: Research Pathways for the Next Decade. National Research Council, National Academy Press, Washington DC. 100 pp.

Stern, P.C., W.E. Easterling et. al. 1999. Making Climate Forecasts Matter. Panel on the Human Dimensions of Seasonal-to-Interannual Climate Variability; Committee on the Human Dimensions of Global Change, National Research Council, National Academy Press: Washington, DC. 192 pp.

Liverman, D.M. 1983. The use of a simulation model in assessing the impacts of climate on the world food system. NCAR Cooperative Thesis No. 77, National Center for Atmospheric Research, Boulder, CO.

Merideth, R., D. Liverman, R. Bales, and M. Patterson, eds. 1998. Climate Variability and Change in the Southwest: Impacts, Information Needs, and Issues for Policymaking. Proceedings of the Southwest Regional Climate Change Conference and Workshop (September 1997). Tucson, AZ: Udall Center for Studies in Public Policy The University of Arizona, 120p.

Liverman D.M. 1998. Land use and land tenure in the greater Chihuahuan Desert Ecoregion. Report for the World Wildlife Fund, Ecoregional Planning workshop, El Paso, TX.

Liverman, D.M., Conde, C. and Magaña, V. 1997. Climate Variability and Transboundary Freshwater Resources in North America: U.S.-Mexico Border Case Study, Report prepared for the Commission on Environmental Cooperation: Montreal, Canada. Committee on the Human Dimensions of Global Environmental Change, 1996. Science Priorities. National Research Council, National Academy Press: Washington DC.

Liverman, D.M., M. Ingram, R. Sanchez and R. Merideth. 1995. Climate Change in Latin America. Commissioned by Greenpeace Latin America.

Liverman, D.M. and A.C. Cravey, 1988. Social Indicators, Regional Geography and Sustainable Development in Mexico. Working Paper No. 6, Global Sustainability Project, Institute for Environmental Studies, University of Wisconsin.

Liverman, D.M. 1988, .Agroclimatology and Famine Early Warning in Africa. Technical Annex to U.S.A.I.D. Project Paper on the Famine Early Warning System (FEWS).

Liverman, D., 1986, RADTRAN : technical evaluation of a transportation and risk model for transportation to a high level nuclear waste site in Utah. Report to the State of Utah.

Liverman, D.M. 1981. Emergency Planning and Response to Chemical Emergencies in Western Europe. World Health Organization Document No. ICP/RCE 903, 7/7.

Stokes, P., et al. 1981. Serpent River Indian Reserve: Environmental Problems. Institute for Environmental Studies, University of Toronto.

Liverman, D.M. 1979. The Coordination of Response to Drought in the Canadian Prairie Provinces. Emergency Planning and Risk Research No. 1, Institute for Environmental Studies, University of Toronto.

Liverman D.M. and F. K. Hare, 1978. The Windscale Inquiry: Implications for Canada. Report to the Canadian Environmental Advisory Council.

### **Honors and Distinctions**

2012 Associate of the National Academy of Sciences

2011 Regents Professorship, University of Arizona

2011 Distinguished Scholarship Honors, Association of American Geographers

- 2011 Local Genius award, Tucson Museum of Contemporary Art
- 2011 Invited presenter in the Mind-Life Seminar on Environment for His Holiness the Dalai Lama
- 2010 Founders Gold Medal, Royal Geographical Society
- 2009 Honorary professor of Climate Change Research, University of Copenhagen
- 2008 Academician, Academy of Social Sciences (UK)
- 2007 Contributed to the reports of the Intergovernmental Panel on Climate Change (IPCC) that was awarded the 2007 Nobel Peace Prize
- 2006 Fellow of the Royal Society of Arts
- 2005 Fellow of the Royal Geographical Society
- 2000 Center for US-Mexican Studies fellowship. UC San Diego, Spring 2000.
- 1993 Wilson Teaching Award, College of Earth and Mineral Sciences, Penn State University.
- 1992 Cray Research Fellow, Earth Systems Science Center, Penn State University.
- 1991 Mitchell International Prize for Sustainable Development for essay on climate change in Mexico. Woodlands Conference. March 1991.
- 1988 Postdoctoral Fellow, International Peace and Security Program, Social Science Research Council/MacArthur Foundation
- 1983 Postdoctoral Fellow. National Center for Atmospheric Research. Boulder. USA.

### **Grants and other fundraising**

#### *University of Arizona*

International Research Applications Program (IRAP). PI James Buizer. Collaboration with IRI, Columbia University. NOAA \$3,500,000.

Quantifying and Conveying the Risk of Prolonged Drought in Coming Decade. Co Investigator(s): J Overpeck J Cole B OttoBleisner. NSF \$1,362,190 2013 – 2018

Climate Adaptation Futures 2012. Grants to support conference from USAID, CSIRO, UNEP totaling \$100,000.

TRIF Water Energy and Environment Solutions. Co Investigator(s): S. Megdal and A Barnhart. \$3,800,000 p.a. 2011-15. UAVPR/ABOR

Supplement to NOAA-CLIMAS grant for the US National Assessment. (With Margaret Wilder and Tracey Osborne). \$65,000 2010-11

#### *Oxford University*

(As Director of ECI I was listed as principle investigator of many ECI projects. I have only listed those where I was an active researcher)

Global Environmental Change and Food Security (GECAFS) International Programme Office. ESRC/NERC . £200,000 + £125,000 (2006-11)

Tyndall Centre for Climate Change. £782,694 (Oxford component of consortium with D. Thomas and M. Allen) (2006-2010)

James Martin 21st Century School for work on climate policy and environmental governance. £750,000 2005-2007.

Commission on Environmental Cooperation. NAFTA and environment, \$10,000 with Silvina Vilas 2005

I was also involved in securing benefactions from James Martin (\$100m to the overall university), the Jackson Trust (1.5m pounds for an endowed lectureship and fellowship at Oriol College), Coca Cola (\$300,000 for student scholarships at Linacre), FPL Energy fellowship (\$800,000) and a variety of other student bursaries.

*University of Arizona:*

Department of Education. Arizona Consortium for Latin American Studies. \$1,843,947 2003-06

Tinker Foundation. Field Research Grants for Travel to Latin America, Spain and Portugal. \$90,000 Jan 2003-Sep 2005.

Hewlett Foundation, Political Change, Political Culture, National Identity and Nationalism in Mexico, \$300,000, Feb 2001-Feb 2003 (W. Beezley, Department of History, University of Arizona Co-Principal Investigator)

National Science Foundation. Infrastructure to develop a Human Ecological Research Observatory (HERO), Arizona case. Subcontract \$290,000 July 2000-July 2004 (Brent Yarnal, Penn State University, Principal Investigator, total \$2,477,276). REU Supplements of \$16,608 for Summers of 2002 and 2003.

Department of Education, Higher Education Program, Title VI. Arizona Consortium on Latin American Studies National Resource Center. \$602,719. Aug 2000-Aug 2003.

Department of Education, Higher Education Program, Title VI. Foreign Language and Area Studies Fellowships. \$419,184. Aug 2000-Aug 2003.

Ford Foundation. Border Environment Conference. \$300,000. Sep 2000-May 2005.

National Science Foundation, Science and Technology Center, Center for the Sustainable Use of Water in Arid Lands. \$9,895,290 Sep 1999-Aug 2004 (S. Sorooshian, Hydrology, University of Arizona, Principal Investigator)

National Oceanic and Atmospheric Administration (NOAA), Southwest Assessment, renewal \$600,000 April 2000-Mar 2001 (R.Bales, ISPE, Principal Investigator).

Mott Foundation. Third Border Environment Conference. \$50,000. April 2000-June 2001

National Oceanic and Atmospheric Administration (NOAA), Southwest Assessment, renewal \$500,000 April 1999-Mar 2000 (R.Bales, ISPE, Principal Investigator)

Tinker Foundation, Grant in support of pre-dissertation field research, \$90,000, Jan 1998-Dec 2000

National Oceanic and Atmospheric Administration, Southwest Assessment, \$437,000, June 1998-Mar 1999 (R.Bales, ISPE, Principal Investigator).

Nature Conservancy, Student Conservation Fellowships for work in Mexico, \$23,475 Jan-Dec 1998.

Commission on Environmental Cooperation, Climate variability and transboundary water resources, \$25,000 Jan 1998-Dec 1999

Hewlett Foundation, Political Change, Political Culture, National Identity and Nationalism in Mexico, \$210,000, Aug 1998-Jul 2000 (W. Beezley, History, Principal Investigator)

National Oceanic and Atmospheric Administration (NOAA). Social and policy implications of seasonal drought forecasting in NE Brazil \$360,610, June 1997-June 2000 (Maria Carmen Lemos, LAAC, Principal Investigator)

Ford Foundation, Annual Border Environment Conference, \$100,000, Sep 1997-Dec 2000

Mott Foundation, Annual Border Environment Conference, \$157,575, Sep 1997-Dec 2000

Department of Interior, Southwest Workshop on Climate Assessment, \$75,000, June 1997-Dec 1997 (R. Varady, Udall Center, Principal Investigator)

National Aeronautics and Space Agency (NASA), Earth Observation Resources Infrastructure for Integrated Regional Assessment in a Desert Region, \$291,913 from Jan 1997-Dec 1999 (R. Schwoengent, Electrical Engineering, Principal Investigator)

National Aeronautics and Space Agency (NASA), Economic and Demographic Causes of Land Use Change in Mexico, \$150,905, Jan 1996-Dec 1998

National Science Foundation, Methods in Integrated Regional Assessment, subcontract from the Pennsylvania State University, \$125,000, Jan 1996-Dec 2000 (C.G. Knight, Geography, PSU, Principal Investigator, total \$1.2 million)

University of Arizona, General Education, Core Curriculum development grant, \$10,000. 1996

Commission on Environmental Cooperation, Pilot survey of water resource issues in the Transboundary river basins of the San Pedro and Santa Cruz, \$10,000, Mar 1996- Oct 1996

*Penn State University:*

National Science Foundation, Survey of Social Science Research on Environmental Change in Latin America, Inter American Institute for Global Change, \$14,966 1996-98

U.S. Environmental Protection Agency, Mexico Country Study, Centro de Ciencias de la Atmósfera, Universidad Nacional Autónoma de México. \$1,200,000 Jan 1994-Dec 1996. (Dr. Carlos Gay, UNAM, Principal Investigator)

IBM. The media and global environmental issues in Mexico, subcontract from Kennedy School of Government, Harvard University, \$11,000 1993-94



National Science Foundation, Dissertation Improvement Grant for Karen O'Brien. Deforestation and Climate Change in Chiapas, Mexico, \$8,500. 1992-93

National Science Foundation, Research Experiences for Undergraduate Supplement, Drought and Agriculture in Twentieth Century Mexico. \$5,000. 1992

National Science Foundation, Human Dimensions of Global Change Program, Drought and agriculture in twentieth century Mexico, \$101,000 990-93

Social Science Research Council, Case study on Mexico for international project on Social Learning and Global Environmental Risks. \$15,000 991-93

US Environmental Protection Agency, The impacts of global warming on crop yields in Mexico, \$5,000 990-92

*University of Wisconsin*

Hewlett Foundation, Global environmental trends and sustainable agriculture, \$128,000. 1986-1988 (A. Sacks, Institute for Environmental Studies, Principal Investigator)

Kellogg Foundation. Grant to develop and teach a new interdisciplinary course on the environmental and social impacts of agricultural technology. \$25,000.

### **Lectures and conference presentations since 2001**

2013 Walter Bean visiting scholar, University of Waterloo, Canada  
AAAS, Boston. Presentation on Future Earth  
Plenary, European Conference on Climate Adaptation, Hamburg  
Lecture, New York Academy of Sciences  
AAG Los Angeles

2012 National Academy of Sciences. NRC Committee on climate and security.  
Earth Institute, Columbia University. Invited.  
AAG New York.  
University of Colorado. Distinguished lecture.  
Plenary speech at the international Planet Under Pressure conference  
Rio +20 ICSU Science and Innovation forum. Plenary Speaker  
WBCSD Rio+20 Speaker  
UNEP Side event. Rio+20 speaker  
Walter Orr Roberts lecture, Aspen Global Change Institute  
Marfa Dialogs on Climate and Art, Marfa Texas  
AGU Conference

2011 Plenary speaker for the Human Dimensions Specialty Group of the Association of American Geographers, Seattle  
Keynote speaker for the opening of the Amsterdam Global Change Institute  
Gilbert White Lecture, National Academy of Sciences  
Visiting speaker, Colorado State University  
Panelist, Colombia College, Chicago on Climate and Arts

- Plenary Speaker, Title VI conference on Latin America and Middle East, Tucson, Arizona  
 Plenary Speaker, Human Dimensions Group, AAG, Seattle.  
 Visiting speaker, International studies, University of California Berkeley  
 Sackler Colloquium Speaker, National Academy of Sciences  
 St. Edwards University, Austin, Texas, Distinguished Lecture  
 Visiting speaker, GFDL/ Princeton University  
 Visiting speaker, University of Illinois  
 Lecturer for the Mind-Life Seminar for His Holiness the Dalai Lama, Dharamsala, India
- 2010 75th Anniversary lecture. University of Toronto Department of Geography  
 International Conference on Adaptation. Plenary on the Science-Policy Interface, Gold Coast, Australia  
 Tipping Points: Conversation on culture and climate change  
 Gilbert White lecture, National Academy of Sciences  
 AAG, Washington DC, Americas Climate Choices  
 University of Oklahoma, Visiting Speaker  
 John Hopkins University (Geography) Visiting Speaker  
 University of Maryland, Global Change Program, Visiting Speaker  
 Asilomar Conference on Climate Intervention Technologies, Organizing Committee and session chair  
 Global Retailing Conference, Tucson, Invited speaker
- 2009 University of Copenhagen, Inaugural lecture.  
 Copenhagen Climate Congress. Plenary speaker on the Human Dimensions of Climate Change  
 Weston lecture, University of Wisconsin-Madison. Climate and Development.  
 Human rights and climate change. Rutgers University  
 Upsetting offsets, AAG Las Vegas
- 2008 Lancaster University Beyond Bali and IPCC: some new priorities for climate impact and policy research  
 Manchester University. Beyond Bali and IPCC: some new priorities for climate impact and policy research  
 Lund University. Perspectives on the CDM  
 WWF UK, Climate policy and development  
 Environment Agency UK. Climate adaptation  
 Just Carbon. Ethics Plenary. AAG Boston
- 2007 Geographies of the International Climate Regime. UCL Geography  
 Politics of climate change. AAG San Francisco  
 Earth system science and society (QUEST summit)  
 Non state actors and climate mitigation. Amsterdam conference on earth system governance.  
 Governance of food in the earth system. Amsterdam conference on earth system governance  
 Adaptation to climate change on the border. TCU conference on climate change.  
 The feedbacks from carbon finance to climate science. NCAR Boulder, Colorado  
 Climate change and communities. Presidential sustainability lecture, Memorial University, Newfoundland.

- Challenges for 21st Century National Parks, ANPA, Buxton.  
Global change and food systems. Development and Climate days, UNFCCC, Bali.
- 2006 Conventions of climate change and the dispossession of the atmosphere. Journal of Historical Geography Plenary on Narratives of Climate Change. RGS/IBG Conference, Sep 2006.  
People and Pixels Revisited: Human dimensions of land use change and the earth system. Plenary lecture to the British Geomorphological Research Group conference on Geomorphology and Earth System Science, Loughborough, June 2006.  
Climate Change and the English Landscape. Garden Clubs of Chicago. May 2006.  
Humboldt Lecture, Department of Geography, UCLA April 2006  
Social Science and Global Change (UCL Conference on Climate Change and Urban Areas)  
Darwin Lecture, Survival into the Future in the face of climate change, Darwin College, Cambridge, April 2006.
- 2005 Distinguished lecturer, Geographical Society of Catalonia, Barcelona, Nov 2005.  
International Human Dimensions of Global Change Open Meeting, Bonn, Oct 2005.  
Chair and Discussant for Plenary Session on Environment and Security  
Waddeston School Master Class on Climate Change Oct 2005.  
NERC Earth Systems Science Summer School, Bristol University, Sep 2005.  
RGS/IBG Annual Conference, London, Sep 2005, Retying the Knot.  
Nordic Geography Meeting, Lund, Sweden, May 2005. Geographies of the New Carbon Economy (plenary speaker).  
St. Anthony's College Parliamentary Seminar. March 2005. Kyoto and the Future of the Environment. Panelist.  
Stanford University, Whole Earth Systems Conference, Feb 2005. Social science data and earth systems. Invited speaker.  
Birmingham University Jan 2005 New scales of governance on the US-Mexico Border
- 2004 Reading University, Nov 2004 New approaches to vulnerability and adaptation to climate in Latin America.  
Oxford University, Inaugural lecture, Nov 2004, Environment in the Americas  
Liberal Summer School, October 2004, Justice, equity and climate change.  
Leicester University, October 2004. New scales of governance on the US-Mexico border  
Oxford, Atmospheric Physics, November 2004. Human dimensions of climate change in Latin America.  
Oxford University, Reuters Fellows, "Double Exposure", June 2004.  
University of Nottingham, "Globalisation and Global Change", April 2004  
Oxford University, New York Alumni Reunion, "Climate Change and Public Policy in the US and UK", April 2004  
Association of American Geographers, Philadelphia, "Who governs, at what scale and at what price? Geography, environmental governance and the commodification of nature," Centennial Plenary Lecture. March 2004.
- 2003 Institute of British Geographers, Annual Meeting, London, UK. "Neoliberalism and the environment in Mexico". Sep 2003.

- Inter American Institute, Executive Council, NCAR, Colorado. "Stakeholders and global change research in the Americas", June 2003.
- University of Southern California, CA. "Globalization and global change", April 2003.
- Association of American Geographers, New Orleans, LO. "War, Peace and Area Studies from a Latin American(ist) perspective:", March 2003.
- Association of American Geographers, New Orleans, LO. "Neoliberalism in Rural Mexico", March 2003.
- Conference of Latin Americanist Geographers, Tucson, AZ. "Approaches to teaching the Geography of Latin America", Jan 2003.
- 2002 Association of American Geographers, Los Angeles, CA. "Governance issues on the U.S.-Mexico Border ". March 2002.
- CUNY Rethinking Area Studies Workshop, NYC. "Latin America, Environment and Area Studies". April 2002. Invited lecture.
- Society of Women Geographers, Tucson, AZ. "Environmental Issues on the US-Mexico Border". May 2002.
- Udall Fellows Annual Meeting, Tuscon, AZ. Dinner speaker on Environmental Issues and the Border. August 2002.
- Queens University, Kingston, Canada. Distinguished visiting scholar. Gave a series of 3 lectures on Neoliberalism in Mexico, US-Mexico Border, and Geography and Global Change. October 2002.
- 2001 Open Meeting of the International Human Dimensions of Global Change Community, Rio, Brazil. "Challenges for the new generation of Human Dimensions researchers" (Plenary address) and "Writing a successful proposal for the IAI" (Workshop), October 2001.
- Comision Nacional de Agua, Guadalajara, Mexico. "Working with stakeholders: lessons from the CLIMAS project at the University of Arizona, November 2001.
- Central American Climate Training Institute. "Climate and Society". Video presentation to IAI workshop in Costa Rica, Feb 2001.
- SAHRA Annual Meeting. "Restructuring of water management in Mexico". Feb 2001.
- Oaxaca History Workshop. "Climate and history in Oaxaca". July 2001.
- United Nations Association of Arizona, Tucson, Invited lecture. "Population and Environment in Latin America", April 2001.
- Association of American Geographers, Annual Meeting, New York, Invited panel presentation on "Geography and Latin American Studies", Feb 2001.
- Association of American Geographers, Annual Meeting, New York, Invited panel presentation on "Human-Environment Geography: Review and Prospects", Feb 2001.

## Professional Service

### *National and International Committees*

2012	ICSU delegate to RIO+20 Conference on Sustainable Development
2011-13	Co-chair of the ICSU Transition Team for Earth System Sustainability- Future Earth
2011-12	Chair of the organizing committee for the 2nd International conference on Climate Adaptation Futures, Tucson May 2012
2011-2011	National Climate Assessment and Development Advisory Committee Organizing committee for the Earth Systems Governance conference, Fort Collins
2010	Organizing committee for the Resilience 2011 conference, Tempe, Arizona International review committee for FORMAS for the Stockholm Environment Institute
2009-	Member, Scientific Advisory Committee for the Earth Systems Governance project of the IHDP
2008-2011	Co Chair, Panel on Informing Effective Decisions and Actions. Committee on America's Climate Choices, US National Academy of Sciences
2008-2012	Member, Committee on America's Climate Choices, US National Academy of Sciences.
2006-11	Chair of the International Science Advisory Committee for the Global Environmental Change and Food Security Programme (GECAFS) of the ESSP/IGBP/WCRP/IHDP 2006-
2006-09	Member, UK Human Dimensions of Global Environmental Change Committee.
2005-07	Analysis, Integration and Modeling of the Earth System (IGBP-AIMES) Scientific Steering Committee. Jan 2005-Dec 2007.
2005-06	Member, Global Roundtable on Climate Change. Earth Institute Columbia University, New York, Jan 2005-Dec 2006
2004-09	Scientific Advisory Board, Institute for the Study of Science and Environment, National Center for Atmospheric Research, 2004-2009.
2005-07	Scientific Liaison Group, Quantifying and understanding the earth system (QUEST), NERC, Jan 2005- Dec 2007
2005	Scientific review committee, Vulnerability, Adaptation and Mitigation Programme, Netherlands RVO. Jan 2005.
2003-04	National Research Council, Committee to review the U.S. Climate Change Science Program Strategic Plan. Oct 2003-March 2004.
2003	Testimony to Senate Commerce Committee on Climate Change, May 2003.
2003	Conference of Latin Americanist Geographers, Organizer of conference, Tucson AZ, January 2003.
2002-03	Latin American Studies Association, President of the Latin America Medio Ambiente section
2002	Society of Women Geographers, Local Planning Committee for 2002 Triennial meeting
2001	Fourth Open Meeting of the International Human Dimensions of Global Change Community, Organizing Committee, 2001
2000-01	Association of American Geographers, Taskforce on Membership
2000-02	Latin American Studies Association, 21st Century Task Force

2000 Selection Committee. Collaborative Program on Globalization. MacArthur Foundation.

2000 NOAA Social Science Advisory Board

1997-2001 Member, Advisory Board for Center for Institutions, Population and Environmental Change (CIPEC), University of Indiana.

2001 Advisory Board, Ford Foundation project on rethinking area studies, CUNY

1998 President's Panel at the Whitehouse Conference on Climate Change

1997-98 Latin American Studies Association. Executive committee of Environment Group.

1998 National Center for Atmospheric Research. Search Committee for the Director of the Environmental and Social Impacts Group. 1998

1997-99 National Research Council, Panel on the Human Dimensions of Seasonal to Interannual Climate Prediction

1995-2004 Scientific Advisory Committee, InterAmerican Institute for Global Change Research

1995-1999 National Research Council, Committee on Global Change

1994-1997 Association of American Geographers. Global Change Committee

1993-2000 National Oceanic and Atmospheric Administration, Global Change Advisory Panel

1993-95 Association of American Geographers. Committee on Physical Geography.

1992-01 National Research Council, Human Dimensions of Global Environmental Change Committee. 1992-01 (Chair from 1995-99)

1992-94 Geography Standards Project. Content Advisory Committee.

1988-99 Screening and Selection Committees, Research and Writing Fellowships in International Peace and Security, MacArthur Foundation.

1993 Co-Organizer. Workshop on the Human Dimensions of Global Environmental Change. Association of American Geographers. Annual Meeting 1993.

1991-93 Latin American Studies Association Committee on Scholarly Relations with the Natural Sciences.

1990-93 Core Advisor, AAAS Project on Environmental Change and Acute Conflict.

1991-93 Selection Committee. Collaborative Program on Human Societies and Environment. MacArthur Foundation.

1991-93 Hazards Specialty Group. Association of American Geographers. Board Member.

1989-1993 Social Science Research Council. Committee on the Human Dimensions of Global Environmental Change.

1992 Program Committee, 1992 International Geographical Union Congress.

1992 Local arrangements coordinator. IGC Pre-Congress Commission on Climatology Meeting. Penn State University. 1992

1990 Advisor to Mexican government on Global Change for El Dia del Medio Ambiente, June 1990.

1987-89 Member. Applied Climatology Committee of the American Meteorological Society.

1986-87 National Academy of Sciences Panel to evaluate the NOAA Climate Impact Assessment Program for Africa.

1985-87 Regional representative. Committee on the Status of Women in Geography.

## **Boards of Directors and Advisory Committees**

- 2010- US Advisory Council for Sustainability (corporate sustainability consultancy)
- 2009-10 Red Redemption, Board Member (Environmental video games)
- 2008-12 Tipping Points (Arts and Environment)
- 2007- Julie's Bicycle, Board Member (Environmental responsibility in Cultural and Music Industries)
- 2007-09 Land Rover/Climate Care oversight committee (Carbon Management)
- 2006- Cape Farewell, Board of Directors (non exec) (The Arts and Climate Change)

## **Editorial Boards**

- 2013- Editorial Advisory Panel, Nature- Climate Change
- 2013- International Advisory Board, WIRES-Climate Change
- 2004- Editorial Board, Global Environmental Change
- 2005-2012 Editorial Board, Environmental Science and Policy
- 2004-09 Oxford University Press, Geography advisor
- 2002- Editorial Board, Annual Review of Environment and Resources (Co-Editor 2009 onwards)
- 2001-04 Editor, Journal of Latin American Geography
- 2005- 07 Editorial Board, Annals of the Association of American Geographers
- 2000-03 University of Arizona Press, Advisory Board
- 1998 Inter-American Institute for Global Change Research. Editorial Advisory Board
- 1993-1996 Association of American Geographers. Editorial Advisory Board
- 1988-1995 Co-Editor of Global and Planetary Change
- 1987-2012 Editorial Board of Climatic Change

## **University Service**

### *University of Arizona*

Strategic Priorities Funding Initiative (2010-  
School of Geography and Development, development committee (2010-  
TRIF-WEES executive committee (2010-  
University Development Committee (2009-  
Advisory board to provost on Arts, Social Sciences and Humanities (2009-11)  
Academic Program Review, SNRE 2009  
P&T Committee School of Geography and Development (2009, 2010)  
Search committees in Government and Public Policy, LGBT studies, Family and  
Consumer Studies, School of Geography and Development, Associate Dean for the  
College of Agriculture

### *Oxford University*

Smith School for Enterprise and the Environment, Management Committee  
University of Oxford, Area and Development Studies Committee  
Brazilian Studies Centre, Advisory Committee  
James Martin Institute, Said Business School, Advisory Board  
School of Geography and Environment, Research Committee  
School of Geography and Environment, Advisory Committee  
School of Geography and Environment, Search Committee for Transport lecturer

Linacre College, Development Committee  
Linacre College, Linacre Lecture Committee

*University of Arizona*

Latin American Studies Program:

Admissions Committee  
Executive Committee (ex officio)  
Curriculum Committee (ex officio)  
Grants Committee

Department of Geography:

Technology committee 2001-2003  
Human-Environment Search committee 2001  
Physical Geography Search committee 1999  
Physical Geography committee 1996-2003  
Critical Human Geography committee 1997-2003  
Geography Head Search Committee 1997  
Colloquium organizer 1998-99  
Promotion and Tenure Committee 1997-98, 1999-00  
Performance Review committee 1998-99, 2002-03

University:

Academic Program Review, Department of Psychology 2003  
Search Committee for Dean of Social and Behavioral Sciences 2001-02  
Executive Committee, Office of International Programs, University of Arizona 1996-2003  
Executive Committee, Institute for the Study of Planet Earth, University of Arizona 1997-2003  
Curriculum Committee, Global Change Program, University of Arizona 1997-99.  
Advisory Committee for Inter Disciplinary Planning Program 1996-98  
Search Committee Vice-President for Research 1999  
Head review committee Department of Spanish and Portuguese  
Search committee for MesoAmerican archaeologist 1999  
Search committee of Director of Institute for the Study of Planet Earth 1998-99  
Search committee for Comparative Politics position, Department of Political Science 2000-01  
Department of Spanish and Portuguese, Internal representative, Academic Program Review, 2001

**Teaching and Supervision**

*Arizona (2009-)*

Graduate seminar, International Environmental Governance, Fall 2013  
Environmental Studies Undergraduate Core Course Spring 2012, Fall 2013  
Graduate seminar in research design (Spring 2011 and Spring 2013)  
Graduate Seminar on Climate Policy and the Road to Copenhagen (Fall 2009)  
Geography 500: Research Proposal preparation (Spring 2011)



*Oxford (2004-2012)*

Seminar in Political Ecology (Fall 2010, 2011, 2012)

MSc in Environmental Change and Management: 12 hours of lectures each year on Environment and Development (also available to MSc in BCM and NSEP)

MSc in Nature, Society and Environmental Policy: 10 hours on Environmental Policy

MSc in Water Science, Policy and Management: 2 hours on vulnerability assessment

MSc (all): Option on Latin American Environmental Policy: 12 hours (10-15 students with 8-10 assessed essays)

Geography Honours School: GE2 Human Geography: 8 lectures on Human Encounters with Environment and Environmentalism (every other year)

MBA: 2 hours on environmental change and policy

MPhil in Development Studies: 2 hours on Climate and Development

Examining

Marking one paper (30-35 students) for MSc in ECM

Internal examiner for ECM

Internal examiner for 4 Oxford DPhils and 2 MPhils

*Arizona (1995-2003)*

Introduction to Latin American Studies

World Regional Geography

Latin American Environmental Policy

Geography of Middle America

Introduction to Geographic Thought

Latin American Studies Core Graduate Seminar

Political Ecology Seminar

**Graduate Students supervised**

*Former Students:*

**Masters**

- 1) Laura Pulido. M.A. 1987. Geography. University of Wisconsin. "Farmworkers perceptions of pesticide hazards in Kern county, California." (Professor of American Studies, University of Southern California)
- 2) Altha Cravey. M.A. 1988. Geography. University of Wisconsin. "Social indicators in Mexico." (Associate Professor of Geography, University of North Carolina)
- 3) Rebecca Johns. MS. 1988. Geography, University of Wisconsin, Office automation and the temporary female worker.
- 4) Lauren Johnson. MS 1989. Land Resources, University of Wisconsin. Drought and Wisconsin Agriculture.
- 5) Karen O' Brien. MSc. 1989. University of Wisconsin. Environmental Studies. "The possible impacts of global warming in Mexico." (went on to PhD see below)
- 6) Mary Jackson. MS. 1990. Land Resources, University of Wisconsin. Inside the Fenceline: The differences between alternative and conventional farms.
- 7) Ed Arabas. MS 1993. Geography. The Pennsylvania State University. "Land Use Change in Mexico." (Planner, State of Washington)

- 8) Chris Rosin. MS. 1993. Geography. The Pennsylvania State University. "Agricultural transitions in Costa Rica." (Deputy Director, Centre for Sustainability, U Otago)
- 9) Graeme Burt. MA 1996. Geography. The Pennsylvania State University. "Land use change in Alamos, Sonora." (planningAlliance, Canada)
- 10) Janice Rosenberg. MA 1997. Latin American Studies. University of Arizona. "Environmental Education amongst the Seri of Sonora" (Teacher, Boston)
- 11) Katrin Neubeuer. MA 1997. Latin American Studies. University of Arizona. "Driving forces for tropical deforestation in Mexico: Ejido and land use changes in Marques de Comillas, Chiapas, Mexico." (NGO, Germany)
- 12) Megan Bartlett. MA 1998. Latin American Studies. University of Arizona (NGO, Minneapolis)
- 13) Joanna Tucker. MA 1998. Latin American Studies. University of Arizona (postdoc Univ Florida)
- 14) Ane Schjolden. MA 1999. Geography and Regional Development. University of Arizona (Beth Mitchnek, co-supervisor). "Globalization, Liberalization and Restructuring of the Brazilian telecommunications industry: the end of technological capability." (Norway, Forum for Environment and Development)
- 15) Hallie Eakin. MA 1998. University of Arizona. Geography and Regional Development. "Adaptation to climatic variability in Tlaxcala, Mexico: constraints and opportunities for small-scale maize producers" (went on to PhD see below)
- 16) Lucy Stanfield. MA 1999. University of Arizona, Geography and Regional Development. (EPA, Chicago)
- 17) Kimi Eisele. MA 1999. University of Arizona. Geography and Regional Development. "Landscapes of Solidarity: The children of Colonia Solidaridad, Nogales, Sonora."(writer, Tucson).
- 18) Laura Paulson. MA 1999. Latin American Studies. University of Arizona. "Globalization and survival of the smallholder: the role of agricultural restructuring in land use change in Michoacan, Mexico." (Nature Conservancy, Mexico)
- 19) Annika Hipple. MA 2000. Latin American Studies, University of Arizona. "Environment and the media in Mexico" (writer, Vermont)
- 20) Erika Trigoso. MA 2002. University of Arizona, Department of Geography and Regional Development. " Vulnerability and response to El Niño in Piura, Peru" (went on to PhD, see below).
- 21) Jeanine Valcour, MA 2003. University of Arizona, Latin American Studies. "Climate change vulnerability in Belize." (NGO, Boston)
- 22) Karen Suasanna, MSc 2004. Oxford. Social movements and recycling in Sao Paulo, Brasil. (Greenpeace climate policy coordinator, Brazil)
- 23) Ghinwa Chammas, MSc 2004. Oxford, Education for Life: The effect of Climate Change Education at School on People's Perception of Climate Change (Sustainability consultant, Atkins inc.)
- 24) Carolina Fuentes, MSc 2004. Oxford. CDM in Mexico. (Mexico, Energy Ministry)
- 25) Katherine Meehan, MSc 2005. Oxford. Streamlining the state? Power, decentralisation, and water at work in Guatemala. (Assistant Professor, Oregon)
- 26) Anthony Knox, MSc 2005, Oxford. An economic valuation of the Loreto Bay National Park. (MSc African Studies, Oxford)
- 27) Heidi Hausermann, MSc 2005. Arizona. The Coffee Crisis and Land Use change in Veracruz. (Assistant Professor, Rutgers)

- 28) Blanca Raymundo Garcia. Msc 2006. Oxford. The potential for Clean Development Mechanism projects in the Mexican industrial sector: a case study of the cement industry. (Consultant, Mexico)
- 29) Sapna Thottathil. MSc 2006. Oxford. Fairtrade's Carbon Emissions: What's Its Share, and Do People Care? (PhD student, Geography, UC Berkeley)
- 30) Johannes Ebeling. Msc 2006. Oxford. Tropical deforestation and climate change – Ways towards an international mitigation strategy. (Senior Manager, Biocarbon, Macquarie Group)
- 31) Hanoch Ilisar MSc 2008. Oxford. Voluntary Carbon Offsetting: Friend or Foe? What Role Do Businesses Assign to Voluntary Carbon Offsetting as Part of Their Climate Change Agenda? (An exploration into UK-based companies) (Manager, Israel Union for Ecology and Environmental Sciences)
- 32) Jonathan Gaventa. Msc 2008. Oxford. The politics of counting carbon: A London case study. (E3G, London)
- 33) Simon Billet. MS 2009. Oxford. CDM and Wind Power in Oaxaca, Mexico. (UK Foreign Office, New York)
- 34) Kaarina Kolle. MS 2011. Oxford. Paving the Way to Preparedness the multi-level climate change adaptation governance in Trinidad and Tobago
- 35) Laura Canevari. MS 2012. Oxford. Participatory GIS for vulnerability assessment, Grenada (Acclimatize)
- 36) Miriam Gay-Antaki, MA 2013. Univ Arizona. A Feminist Political Ecology of Carbon Markets in Oaxaca, Mexico (went on to PhD, see below)

### **PhD**

- 1) Maxx Dilley. PhD. 1993. Geography. The Pennsylvania State University. "Climate and agriculture in Oaxaca, Mexico." (UNDP Team Leader for Disaster Risk Reduction and Recovery)
- 2) Karen O'Brien. Ph.D. 1996. Geography. The Pennsylvania State University. "Deforestation and Climate Change in the Selva Lacandona, Chiapas, Mexico." (Professor in Geography, University of Oslo, Norway)
- 3) Anke Wessels-Beyer. PhD 1995. Geography. The Pennsylvania State University "Social and Environmental Reconstruction in Eastern Germany." (Program Director, Center for Religion, Ethics and Social Policy, Cornell University)
- 4) David Rain. Ph.D. 1997. Geography. The Pennsylvania State University. "Eaters of the Dry Season." (Associate Professor, George Washington University)
- 5) Margaret Wilder. PhD 2002. University of Arizona, Department of Geography and Regional Development. "In name only: water policy, the state and ejidatario producers in Northern Mexico". (Associate Professor of Geography and Latin American Studies, University of Arizona)
- 6) Hallie Eakin. PhD 2002. University of Arizona, Department of Geography and Regional Development. "Rural Households' Vulnerability and Adaptation to Climatic Variability and Institutional Change: Three Cases from Central Mexico". (Associate Professor of Sustainability, ASU)
- 7) Mrill Ingram, PhD 2004. University of Arizona, Department of Geography and Regional Development. "Experts in the field: the contributions of farmers and other lay experts to knowledge about soil in US agriculture" (Program Coordinator, College of Agriculture, University of Wisconsin, Madison)

- 8) Dereka Rushbrook, PhD 2005. Arizona. Carving a Niche: Artisans in a Global Economy. Commodity Chain Analysis of Rustic Pine Furniture in Mexico (Lecturer , University of Arizona)
- 9) Lydia Breunig. PhD 2006. Arizona. Conservation in Context: Establishing Natural Protected Areas During Mexico's Neoliberal Reformation (Outreach director, SBS, University of Arizona)
- 10) Ben Champion. DPhil 2007. Oxford. Political economy of local foods in Eastern Kansas (lecturer and director of Sustainability Kansas State Univ.)
- 11) John Gates. DPhil 2007. Oxford. Groundwater recharge and paleohydrology of the Badain Jaran, north-western China. (cosupervised with Mike Edmunds) (Assistant Professor, Univ Nebraska Lincoln)
- 12) Adam Bumpus. PhD 2009. Oxford Carbon Development: a political ecology analysis of carbon offset projects for local development and global climate benefits (Lecturer, Univ Melbourne)
- 13) John Cole. PhD 2009 Oxford Clean Development Mechanism (CDM): Foreign investment in sustainable infrastructure in developing countries CDM in Brazil. (Lawyer, Canada)
- 14) Antony Milner. PhD 2010. Oxford Managing climate risk in the developing world: Information and Insurance. (cosupervised with Richard Washington) (Postdoc LBL, San Francisco)
- 15) Alex Noriega Guerra. PhD 2010. Oxford Weather-related disaster risk in mountain areas: The Guatemalan highlands at the start of the 21st Century. (Director, Climate Institute, Guatemala)
- 16) Natasha Kuruppu. PhD 2010. Oxford Climate Change and Variability in the Pacific Region: Piloting Adaptation Strategies to Facilitate Sustainable Development in the Water Sector of Kiribati. (Institute for Sustainable Futures, UTS Sydney, Australia)
- 17) Bernado Peredo. PhD 2010. Oxford Biodiversity, local development and poverty alleviation in Bolivia in a market economy: Irreconcilable Differences or Windows of Opportunity? (Consultant, Bolivia)
- 18) Dave Stainforth. PhD 2010. Oxford Climate risk (second supervisor to Mark New). Lecturer LSE.
- 19) Katherine Wilkinson. PhD 2010. Oxford 'God-made' Heaven and Earth... 'Man-made' climate change: American evangelical discourses on global climate change (Consultant PWC)
- 20) Alexandra Morel. PhD 2010. Oxford Palm oil and land use change in SE Asia (second supervisor to Yadvinder Mahli) Postdoc, Univ Oxford.
- 21) Ame Ramos Castillo. 2010. Oxford PhD. Water governance in San Cristobal, Mexico (UNU)
- 22) Joel Scriven. PhD. 2010. Oxford Carbon forestry on an Amazonian frontier: Barriers and Opportunities. (UN FAO-REDD)
- 23) Allen Shaw. 2010. PhD. Oxford Does a coherent energy plan exist for India? (secondary supervisor to Brenda Boardman)(2 degrees, Oxford)
- 24) Erika Trigo. 2011. PhD. Oxford Vulnerability to drought and community adaptation in the Andean high-plateau. (Lecturer UC Denver)
- 25) Chris Ellerman. 2012. PhD. Oxford Cultural politics and political economy of climate policy in China (Ecofys, China)
- 26) Deborah Ley. 2012. PhD. Oxford Sustainable development, climate change and renewable energy in rural Central America (IADB)

- 27) Philip Mann. PhD. 2012. Oxford Energy planning in the developing world - synergies and trade-offs between increasing energy access for poverty reduction, energy security and climate goals. (lead supervisor, Brenda Boardman)(GTZ, Germany)
- 28) Arnaldo Matus Kramer. 2012. PhD. Oxford Adaptation to Climate Change in the Tourism Sector of the Rapidly Urbanizing Yucatan Caribbean Coast (Ithaca Environmental, Mexico and researcher UNAM)

*Current Students (University of Arizona)*

Dan Ferguson PhD  
Christina Greene PhD  
Gigi Owen. PhD.  
Miriam Gay-Antaki. PhD  
Noah-Silber Coats, MSc  
Michelle Coe, MSc

Committee member for Jeff Banister, David Tecklin, Jamie McEvoy, Niki von Hedermann, Laurel Bellante, Sonya Ziaja

*Former postdoctoral research fellows*

Tracey Osborne (assistant professor, Univ of Arizona)  
Heike Schroeder (senior lecturer, UEA)  
Max Boykoff (assistant professor, University of Colorado)  
Heather Lovell (Reader, Edinburgh University)  
Maria Carmen Lemos (Professor, University of Michigan)  
Marcela Vasquez (Professor, University of Arizona)