

DIANA M. LIVERMAN

Current position

Regents Professor of Geography and Development, University of Arizona, Tucson, Arizona, USA

Senior Research Fellow, Environmental Change Institute; and supernumerary research fellow, Linacre College, Oxford University

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Brief Summary of Research Interests

My research focuses on environmental change and policy, especially on the causes, consequences, and responses to climate change and the links between environment, sustainable development, and food security. I have longstanding interests in climate vulnerability and adaptation; climate information provision and climate policy; international environmental policy; political ecology; 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 natural and social, institutional and behavioral, causes and consequences, of environmental issues, with particular attention to how change and impacts vary across space and within society. My regional interest is the Americas, especially Mexico. 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, social justice, 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

- 2009- Regents Professor of Geography and Development and University of Arizona (Acting Head of School, Spring 2018)
- 2009-2016 Co-director, Institute of the Environment, University of Arizona
- 2009-2017 Visiting Professor of Environmental Policy and Development, Oxford University
- 2003-2008 Director, Environmental Change Institute, Oxford University (UK) and Professor of Environmental Science in the School of Geography and Environment, Oxford University
- 2002 Interim Dean, College of Social and Behavioral Sciences, University of Arizona
- 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
- 1990-1997 Associate Professor, Department of Geography and Associate Director of the Earth System Science Center, The Pennsylvania State University, University Park, PA, USA
- 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. 2016. World Regions in Global Context. 6th edition. Pearson. Previous editions. 2013, 2010, 2007, 2003, 1999. Winner of the 'Texty' award from Textbook and Academic Authors Association for best college textbook in social science and humanities.
2. Richardson, K, Steffen W. and Liverman D. eds. 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 Demográficos y de Desarrollo Urbano. Serie Cuadernos de Trabajo. 87 pp.
7. 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.
8. 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 8

Refereed Journal Articles and Book Chapters

1. Gay-Antaki, M., & Liverman, D. 2018. Climate for women in climate science: Women scientists and the Intergovernmental Panel on Climate Change. *Proceedings of the National Academy of Sciences*, 115(9), 2060-2065.
2. Gerlak, A.K., Guido, Z., Vaughan, C., Rountree, V., Greene, C., Liverman, D., Trotman, A.R., Mahon, R., Cox, S.A., Mason, S.J. and Jacobs, K.L., 2017. Building a framework for process-oriented evaluation of Regional Climate Outlook Forums. *Weather, Climate, and Society*, (2017) online.
3. Klinsky, Sonja, Timmons Roberts, Saleemul Huq, Chukwumerije Okereke, Peter Newell, Peter Dauvergne, Karen O'Brien, Heike Schroeder, Petra Tschakert, Jennifer Clapp, Margaret Keck, Frank Biermann, Diana Liverman, Joyeeta Gupta, Atiq Rahman, Dirk Messner, David Pellow, Steffen Bauer. 2017. Why equity is fundamental in climate change policy research, *Global Environmental Change*, 44: 170-173
4. Wilder, Margaret, Liverman Diana M. Bellante Laurel and Tracey Osborne. 2016. Southwest Climate Gap: Poverty and Environmental Justice in the U.S. Southwest. *Local Environment: The International Journal of Justice and Sustainability* early online. 10.1080/13549839.2015.1116063
5. Stenek, V., Amado J-C., Connell R., Palin, O., Wright S., Pope B., Hunter J., McGregor, J. Morgan, W., Staley B., Washington R., Liverman, D., Sherwin, H., Kapelue, P., Andrade C., and Pabon J.D. 2016. Terminal Maritimo Muelles El Bosque, Cartagena, Colombia. Chapter 11 in Ng, A.Y., Becker A., Cahoon S., Chen S-L., Earl, P. Yang Z. eds. *Climate Change and Adaptation Planning for Ports*. Routledge.
6. Laura Canevari-Luzardo, Joan Bastide, Isabelle Choutet & Diana Liverman. 2015. Using partial participatory GIS in vulnerability and disaster risk reduction in Grenada, *Climate and Development*, (early online) DOI: 10.1080/17565529.2015.1067593
7. Liverman, D. 2015. US National climate assessment gaps and research needs: overview, the economy and the international context. *Climatic Change* 135(1):173-186.
8. Liverman, Diana. 2015. Reading climate change and climate governance as political ecologies. Chapter 23 for the *Handbook of Political Ecology*, Routledge Eds. Tom Perreault, Gavin Bridge, and James McCarthy
9. Liverman, Diana. 2015. This Changes Everything: Capitalism vs the Climate. Review essay of book by Naomi Klein. *Human Geography* 8(1) 99-109.
10. Buechler, Stephanie; Anne Marie-Hanson, Diana Liverman, and Miriam Gay-Antaki. 2015. Advancing multi-disciplinary scholarship on gender, water, and environmental

- change through feminist political ecology. Chapter 12 in Buechler S. and Hanson A-M. A political ecology of women, water and global environmental change.
11. Rockström, J., Brasseur, G., Hoskins, B., Lucht, W., Schellnhuber, J., Kabat, P., Nakicenovic, N., Gong, P., Schlosser, P., Mániez Costa, M., Humble, A., Eyre, N., Gleick, P., James, R., Lucena, A., Maser, O., Moench, M., Schaeffer, R., Seitzinger, S., van der Leeuw, S., Ward, B., Stern, N., Hurrell, J., Srivastava, L., Morgan, J., Nobre, C., Sokona, Y., Cremades, R., Roth, E., Liverman, D. and Arnott, J. 2014, Climate change: The necessary, the possible and the desirable Earth League climate statement on the implications for climate policy from the 5th IPCC Assessment. *Earth's Future*. 2(12)-606-611 doi:10.1002/2014EF000280
 12. Corell, R. W., D. Liverman, K. Dow, K. L. Ebi, K. Kunkel, L. O. Mearns, and J. Melillo, 2014: Ch. 29: Research Needs for Climate and Global Change Assessments. *Climate Change Impacts in the United States: The Third National Climate Assessment*, J. M. Melillo, Terese (T.C.) Richmond, and G. W. Yohe, Eds., U.S. Global Change Research Program, 707-718. doi:10.7930/J03R0QR3.
 13. Liverman, D. 2013. A good sense of the media. *Dialogues in Human Geography* 3:315-316.
 14. 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.
 15. Arnall A., Thomas D., Twyman C., D. Liverman. 2013. Flooding, resettlement, and change in livelihoods: evidence from rural Mozambique. *Disasters* 37(3): 468-488
 16. 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.
 17. 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.
 18. 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
 19. 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.
 20. 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.
21. 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.
 22. Liverman, D. 2011. *Informing Adaptation*. World Resources Report. Online publication as an expert perspective. 7pp.
(<http://www.worldresourcesreport.org/responses/informing-adaptation>)
 23. Liverman, D. 2011. Review essay of Hulme. 2009. Why we disagree about climate change. *Progress in Human Geography* 35(1):134-136
 24. 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.
 25. 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.
 26. 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.
 27. 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.
 28. 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.
 29. 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.
 30. Frank Biermann, Michele M Betsill, Susana Camargo Vieira, Joyeeta Gupta, Norichika Kanie, Louis Lebel, Diana Liverman, Heike Schroeder, Bernd Siebenhuner, Pius Z Yanda, Ruben Zondervan, 2010. *Navigating the anthropocene: the Earth System Governance Project strategy paper*, *Current Opinion in Environmental Sustainability*, 2:202-208
 31. Liverman, D., & Billett, S. 2010. Copenhagen and the Governance of Adaptation. *Environment: Science and Policy for Sustainable Development*, 52(3), 28-36.
 32. Lovell, H., & Liverman, D. 2010. Understanding Carbon Offset Technologies. *New Political Economy*, 15(2), 255-273.
 33. 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.
 34. 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>

35. 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
36. New, M., D. Liverman & K. Anderson. 2009. Mind the gap. *Nature (Reports Climate Change)*, 143-144.
37. 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.
38. 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.
39. Liverman D. 2009. The geopolitics of climate change: avoiding determinism, fostering sustainable development. *Climatic Change*. 96(1-2): 7-11.
40. Lovell H., Bulkeley H. and Liverman D. M. 2009. Carbon offsetting: Sustaining Consumption. *Environment and Planning A* 41(10): 2357-2379
41. 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.
42. 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).
43. 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.
44. 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)
45. 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/>
46. 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 *
47. 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.
48. Bumpus A. and Liverman D.M. 2008. Accumulation by decarbonisation: the governance of carbon offsets. *Economic Geography* 84(2) 127-156.

49. 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.
50. 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
51. 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.
52. 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
53. 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/>
54. 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*
55. 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).
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58. 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.
59. 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.
60. Liverman D.M. and Vilas S. 2006. Neoliberalism and the Environment in Latin America. *Annual Review of Environment and Resources* 31(1): 327-363.
61. 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
62. 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.
63. 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
64. 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
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87. Robinson J., et al. 1994. Land Use and Land Cover Projections. Pp 176-198 in W.B. Meyer and B.L. Turner II., eds., Changes in Land Use and Land Cover: A Global Perspective. New York: Cambridge University Press.
88. Liverman, D.M. 1994. Modeling Social Systems and Their Interaction with the Environment: A View from Geography. Pp 86-103 in P.M. Groffman and G.E. Likens, eds, Integrated Regional Models: Interactions Between Humans and Their Environment. Chapman and Hall: New York.
89. Liverman, D.M. 1994. Vulnerability to Global Environmental Change. Chapter 26, pp. 326-342 in S. Cutter, ed., Environmental Risks and Hazards. Prentice Hall: Saddle River, NJ. (Reprint of 1990 report published by Clark University).
90. Liverman, D.M., F.B. Dilley, K.L. O'Brien, and L. Menchaca. 1994. The Impact of Global Warming on Mexican Maize Yields. Pp 210-224 in C. Rosenzweig and A. Iglesias, eds., Implications of Climate Change for International Agriculture. U.S. Environmental Protection Agency: Washington DC.
91. Liverman, D.M. 1994. Environment and Security in Mexico. Pp 230-264 in B.M. Bagley and S. Aguayo Quezada, eds. Mexico: In Search of Security. Transaction Publishers: New Brunswick, NJ. (Translation of 1990 chapter in Spanish).
92. Liverman, D.M. 1994. Cambio Global en México. Pp in Memorias del Primera Reunión del Programa Universitario del Medio Ambiente. Universidad Nacional Autónoma de México: Mexico.

93. Liverman, D.M. and R. Sánchez. 1994. Human Dimensions of Global Change in the Americas: Suggestions for Social Science Research. Inter-American Institute for Global Change Newsletter. No. 5.
94. Rosenzweig C. and D. Liverman. 1993. Predicted effects of climate change on agriculture. Pp. 346-362 in S.K. Majumdar, L.S. Kalkstein, B. Yarnal, E. W. Miller, and L.M. Rosenfeld. eds. Global Climate Change. Pennsylvania Academy of Sciences: Philadelphia, PA.
95. Liverman, D.M. 1992. Global Change in Mexico. Earth and Mineral Sciences 60(4):71-76 (College of Earth and Mineral Sciences: Penn State University)
96. Liverman D.M. and A.J. Cravey. 1992. Geographic perspectives on Mexican regions. Pp. 39-57 in E. Van Young. ed. Mexico's Regions: Comparative History and Development. San Diego: Center for US-Mexican Studies.
97. Liverman D.M. 1992. The regional impacts of global warming in Mexico : Uncertainty, Vulnerability and Response. pp. 44-68 in J. Schmandt and J. Clarkson eds. The Regions and Global Warming. Oxford: Oxford University Press.
98. Liverman, D.M. 1992. Global Warming and Mexican Agriculture: Some Preliminary Results. Chapter 18. pp. 332-352 in John M. Reilly and Margot Anderson, eds. Economic Issues in Global Climate Change: Agriculture, Forests and Water Resources. Westview: Boulder.
99. Liverman, D.M. and K. O'Brien, 1991. Global Warming and Climate Change in Mexico. Global Environmental Change 1(4): 351-364
100. Liverman, D.M. 1990. Drought and Agriculture in Mexico: The case of Sonora and Puebla in 1970. Annals of the Association of American Geographers 80(1):49-72.
101. Liverman D.M. 1990. Vulnerability to Global Change. Pp 8-23 in R. Kaspersen ed. Understanding Global Environmental Change: The Contributions of Risk Analysis and Management. Report on an International Workshop, Clark University, Earth Transformed Program: Worcester MA.
102. 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.
103. Liverman, D.M. 1989. Evaluating Global Models. Journal of Environmental Management 29:215-235.
104. Liverman, D.M., M. Hanson, B. Brown and R. Merideth, 1988. Global Sustainability: Toward Measurement. Environmental Management 12:2, 133-143.
105. 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.
106. Brown, B., M. Hanson, D. Liverman, R. Merideth, 1987. Global Sustainability: Toward Definition. Environmental Management 11:6, 713-719
107. 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.
108. 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
109. Hekstra G.P. and D.M. Liverman, 1986, Global Food Futures and Desertification. Climatic Change 9, 59-66
110. Liverman. D.M., 1986. The Vulnerability of Urban Areas to Technological Risks. Cities May 1986, 142-147
111. Liverman, D.M., 1986. The Sensitivity of Global Food Systems to Climatic Change. Journal of Climatology 6 355-373

112. 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.
113. 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.
114. 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
115. 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.

Major Reports and Working Papers

Future Earth (2013). *Future Earth Initial Design: Report of the Transition Team*. Lead author Diana Liverman and Johan Rockstrom. Paris: International Council for Science (ICSU). 51pp.

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-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

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.

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.

Media and Opinion

Liverman, Diana and Falk, Don. 2016. World Waking up to Climate Change. Arizona Daily Star. http://tucson.com/news/opinion/column/guest/liverman-and-falk-world-waking-up-to-climate-change/article_2a6b6058-6242-57bd-9acd-87ba6b72bd77.html

Liverman, Diana. 2015. Fight Climate Change by Fighting for Women's Rights. Feb 3 2015. Pacific Standard <http://www.psmag.com/nature-and-technology/fight-climate-change-by-fighting-for-womens-rights>

Liverman, Diana. 2015. Paddington and Empathy for Immigrant Children. Huff Post Jan 20 2015 http://www.huffingtonpost.com/diana-liverman/empathy-for-immigrant-children_b_6490442.html

Liverman, D.M. 2014. Women Who Make a Difference: Mrs. Roosevelt, Mrs. Haury and the Pursuit of Environmental and Social Justice. Huff Post. Sep 22 2014. http://www.huffingtonpost.com/diana-liverman/the-pursuit-of-environmental-and-social-justice_b_5858170.html

Liverman, D.M. 2014. How to teach about climate without making your students feel hopeless. Washington Post, August 20 2104. <http://www.washingtonpost.com/posteverything/wp/2014/08/20/how-to-teach-about-climate-without-making-your-students-feel-hopeless/>

Liverman, D. M. (2014). What if climate change triggers cooperation, not conflict? *Huffington Post*, 7/18/2014. http://www.huffingtonpost.com/diana-liverman/what-if-climate-change-tr_b_5599886.html

Liverman, D., & Glasmeier, A. (2014). What are the economic consequences of climate change? *The Atlantic*. Retrieved from <http://www.theatlantic.com/business/archive/2014/04/the-economic-case-for-acting-on-climate-change/360995/>

Liverman, D. (2014, March 17 2014). The Wolves in Our Dogs: Are We Trying to Protect the Species Because They're So Much Like Man's Best Friend? *Pacific Standard*. Retrieved from <http://www.psmag.com/navigation/nature-and-technology/wolves-dogs-76055/>

Liverman, D. (2014, 5 February 2014). Why Sun Belters Should Resist the Winter Weather Gloat. *Huffington Post*. Retrieved from http://www.huffingtonpost.com/diana-liverman/why-sun-belters-winter-weather_b_4725602.html

Liverman, D. Feb 6 2014. Interview with Montana Public Radio. <http://mtpr.org/post/relationship-climate-change-poverty-complex>

Liverman, D., & Garfin, G. (2013). A hotspot for change: causes and consequences of global warming in the Southwest. *The Washington Spectator*.

Honors and Distinctions

- 2017 Alexander and Ilse Melamid Medal, American Geographical Society
- 2015 Carl O. Sauer Distinguished Scholarship Award, Conference of Latin Americanist Geographers
- 2015 Association of American Geographers Presidential Achievement Award
- 2014 Guggenheim Fellowship
- 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) 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
- 1988 Postdoctoral Fellow, International Peace and Security Program, Social Science Research Council/MacArthur Foundation
- 1983 Postdoctoral Fellow. National Center for Atmospheric Research. Boulder. USA.

Professional Service

National and International Committees

- 2018- Review Editor, Working Group II, AR6, Chapter 18, Intergovernmental Panel on Climate Change.
- 2016- Lead Author, SR1.5 report, Intergovernmental Panel on Climate Change
- 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
- 2011-14 National Climate Assessment and Development Advisory Committee
- 2009- Member, Scientific Advisory Committee for the Earth Systems Governance project of the IHDP/ICSU
- 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 and CGIAR/FAO
- 2006-09 Member, UK Human Dimensions of Global Environmental Change Committee.
- 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
- 2000 NOAA Social Science Advisory Board
- 1998 President's Panel at the Whitehouse Conference on Climate Change
- 1995-2004 Scientific Advisory Committee, InterAmerican Institute (IAI) for Global Change Research (co-chair 2000-04)
- 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
- 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.
- 1989-1993 Social Science Research Council. Committee on the Human Dimensions of Global Environmental Change.
- 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 and Famine Early Warning System (FEWS) for Africa.

Boards of Directors and Advisory Committees

- 2016- Stockholm Environmental Institute, Scientific Advisory Board
- 2010- US Advisory Council for Sustainability (corporate sustainability consultancy)
- 2008-12 Tipping Points (Arts and Environment)
- 2007- Julie's Bicycle, Board Member (Environmental responsibility in Cultural and Music Industries)
- 2006-14 Cape Farewell, Board of Directors (The Arts and Climate Change)

Editorial Boards

- 2013- Editorial Advisory Panel, Nature-Climate Change
- 2013-2015 International Advisory Board, WIRES-Climate Change
- 2004-2016 Editorial Board, Global Environmental Change

2005-2012 Editorial Board, Environmental Science and Policy
2002-2014 Editorial Board, Annual Review of Environment and Resources (Co-Editor 2009 onwards)
2005-07 Editorial Board, Annals of the Association of American Geographers
1988-1995 Co-Editor of Global and Planetary Change
1987-2012 Editorial Board of Climatic Change

Teaching and Supervision (examples)

Arizona (2009-)

Environment and Society Fall 2018

Political Ecology Fall 2018

World Regional Geography Undergraduate course, Fall 2017

Graduate seminar, International Environmental Governance, Fall 2013

Environmental Studies Undergraduate Core Course Spring 2012, Fall 2013, 2014

Graduate Seminar on Climate Policy and the Road to Copenhagen (Fall 2009)

Geography 500: Research Proposal preparation (Spring 2011, Spring 2013, Spring 2016)

Global Change Workshop (Spring 2016, Spring 2018)

Oxford (2004-2012)

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

Module in Environment and Development (every year)

Seminar on Latin American Environmental Policy (2005,2006)

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

Graduate Students supervised

Former Students (and current position where known):

Masters

- 1) Laura Pulido. M.A. 1987. Geography. University of Wisconsin. "Farmworkers perceptions of pesticide hazards in Kern county, California." (Professor of Geography, University of Oregon)
- 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 (Associate Professor of Geography, University of South Florida)
- 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. (Programme Officer, Oak Foundation)
- 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. (Vice President, Standard Bank, Johannesburg)
- 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? (Teacher, Berkeley)
- 30) Johannes Ebeling. Msc 2006. Oxford. Tropical deforestation and climate change – Ways towards an international mitigation strategy. (Investment Director, Biocarbon Group, Berlin)
- 31) Hanoch Ilsar 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 (WWF European Policy Office, Belgium)
- 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)
- 37) Noah-Silber Coats, 2015, MSc, Univ of Arizona, Water development in Veracruz Mexico (went on to PhD at Univ Arizona)
- 38) Michelle Coe, 2015, MSc, Univ of Arizona, Environmental education and school gardens in Tucson (Community and School Gardens Program, University of Arizona)

PhD

- 1) Maxx Dilley. PhD. 1993. Geography. The Pennsylvania State University. "Climate and agriculture in Oaxaca, Mexico." (Senior Advisor WMO)
- 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". (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" (Editor, Progressive Magazine)

- 8) Dereka Rushbrook, PhD 2005. Arizona. Carving a Niche: Artisans in a Global Economy. Commodity Chain Analysis of Rustic Pine Furniture in Mexico (Associate Professor of Geography and Development, University of Arizona)
- 9) Cecilia Conde, PhD, 2005, UNAM. Climate and agriculture in Mexico (Director of Adaptation, INECC, Mexico)
- 10) Lydia Breunig. PhD 2006. Arizona. Conservation in Context: Establishing Natural Protected Areas During Mexico's Neoliberal Reformation (American School of Kuwait)
- 11) Ben Champion. DPhil 2007. Oxford. Political economy of local foods in Eastern Kansas (Director of Sustainability, University of Arizona)
- 12) John Gates. DPhil 2007. Oxford. Groundwater recharge and paleohydrology of the Badain Jaran, north-western China. (cosupervised with Mike Edmunds) (Senior Scientist and Research Manager at The Climate Corporation San Francisco, California)
- 13) Adam Bumpus. PhD 2009. Oxford Carbon Development: a political ecology analysis of carbon offset projects for local development and global climate benefits (Senior Research Fellow, Univ Melbourne)
- 14) John Cole. PhD 2009 Oxford Clean Development Mechanism (CDM): Foreign investment in sustainable infrastructure in developing countries CDM in Brazil. (Lawyer, Canada)
- 15) Antony Milner. PhD 2010. Oxford Managing climate risk in the developing world: Information and Insurance. (cosupervised with Richard Washington) (Senior Research Fellow, Grantham Research Institute, LSE)
- 16) 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)
- 17) 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. (United Nations University)
- 18) 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)
- 19) Dave Stainforth. PhD 2010. Oxford Climate risk (second supervisor to Mark New). Senior Research Fellow LSE.
- 20) Katherine Wilkinson. PhD 2010. Oxford 'God-made' Heaven and Earth... 'Man-made' climate change: American evangelical discourses on global climate change (Senior editor, Project Drawdown)
- 21) Alexandra Morel. PhD 2010. Oxford Palm oil and land use change in SE Asia (second supervisor to Yadvinder Mahli) Postdoc, Univ Oxford.
- 22) Ame Ramos Castillo. 2010. Oxford PhD. Water governance in San Cristobal, Mexico (UNU)
- 23) Joel Scriven. PhD. 2010. Oxford Carbon forestry on an Amazonian frontier: Barriers and Opportunities. (UN FAO-REDD)
- 24) Allen Shaw. 2010. PhD. Oxford Does a coherent energy plan exist for India? (secondary supervisor to Brenda Boardman)(2 degrees, Oxford)
- 25) Erika Trigos. 2011. PhD. Oxford Vulnerability to drought and community adaptation in the Andean high-plateau. (Lecturer UC Denver)
- 26) Chris Ellerman. 2012. PhD. Oxford Cultural politics and political economy of climate policy in China (IADB, China)
- 27) Deborah Ley. 2012. PhD. Oxford Sustainable development, climate change and renewable energy in rural Central America (Consultant)

- 28) 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)
- 29) Arnaldo Matus Kramer. 2012. PhD. Oxford Adaptation to Climate Change in the Tourism Sector of the Rapidly Urbanizing Yucatan Caribbean Coast (Director of Resilience, CDMX, Mexico)
- 30) Daniel Ferguson. 2015. PhD. Trans disciplinary research to support decision making (Associate Scientist, CLIMAS, University of Arizona).
- 31) Miriam Gay-Antaki, 2017. PhD. *Feminist Geographies of Climate Change: From International Negotiations to Women in Mexico*. Lecturer at Colorado College.

Current Students (University of Arizona)

Christina Greene PhD

Gigi Owen. PhD.

Fiona Gladstone, PhD

Sneha Balukrishnan, PhD

Megan Mills-Novoa PhD

Current committee member for Niki von Heder mann, Laurel Bellante, Sarah Kelly Richards, Bhuwan Thapa, Arica Crootof, Bokjin Roh

Former postdoctoral research fellows (and current position)

Tracey Osborne (assistant professor, Univ of Arizona)

Heike Schroeder (senior lecturer, UEA)

Emma Tompkins (reader, Southampton)

Emily Boyd (senior lecturer, Lund)

Max Boykoff (associate professor, University of Colorado)

Heather Lovell (Professor, University of Tasmania)

Maria Carmen Lemos (Professor, University of Michigan)

Marcela Vasquez (Professor, University of Arizona)

Current postdocs

Chris Knudson

Languages

Native English speaker, Spanish (fluent), French (reading)

Citizen of UK and US

Born in Accra, Ghana