

## Karl S. Zimmerer: Curriculum Vitae

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### EDUCATION

Ph.D., 1988, University of California, Berkeley, Department of Geography  
M.A., 1985, University of California, Berkeley, Department of Geography  
B.S., 1980, Antioch College, Yellow Springs, Ohio, Biology and Physics

### FACULTY APPOINTMENTS AND AFFILIATIONS/PROFESSIONAL EXPERIENCE

Professor, 2007-: Department of Geography, Pennsylvania State University.  
Faculty Affiliate, Penn State: Ecology; Rural Sociology; Earth and Environmental Systems;  
Institutes for Energy and the Environment; Global Programs; Latin American Studies;  
International Affairs.  
Director, 2007-: GeoSyntheSES Lab (Geographic Syntheses for Social-Ecological  
Sustainability), Department of Geography, Pennsylvania State University.  
Professor, 2005: Yale University, School of Forestry & Environmental Studies; Department of  
Anthropology, Jackson Institute for Global Affairs (2005, tenured appointment, declined).  
Professor, 1996-2007: Associate Professor (1993-95) and Assistant Professor (1990-93),  
University of Wisconsin – Madison, Department of Geography.  
Faculty Affiliate, University of Wisconsin – Madison, 1990-2007: Environmental Studies; Latin  
American and Iberian Studies; Development Studies Program; Land Tenure Center.  
Assistant Professor, 1988-1990: University of North Carolina at Chapel Hill, Department of  
Geography; Affiliate: Ecology Curriculum, Latin American Studies.  
Research Intern, 1981-1982: Native Seed Search, Tucson, Arizona.  
Instructional Co-Organizer and Co-Leader, 1980-1981: Environmental Field Program to U.S.  
Southwest, Consortium of Midwestern Colleges, Kalamazoo, Michigan, and Antioch  
College.

### SELECT HONORS AND AWARDS

E. Willard and Ruby S. Miller Professor of Geography, Penn State, 2019-2021.  
Honorary Professor, 2017-: Department of Geography, Universidad Autónoma de  
Madrid (UAM)/Autonomous University of Madrid, Spain.  
Fulbright Fellow, Spain, Universidad Autónoma de Madrid/Autonomous University  
of Madrid and the Universidad de Granada/University of Granada, 2017-2019.  
'Excellence in Environmental Works' Award, Association of American Publishers, Co-  
Editor of *Ecological and Environmental Sciences*, 2016.  
Residential Research Fellow, "Sustainability and Spatial Planning." Bellagio Center,  
Italy, Summer 2016.  
Custer Fellow, David Rockefeller Center for Latin American Studies and Sustainability  
Science, Harvard University. 2015- 2016 (no-cost extension, 2016-).  
Fulbright Fellow, Peru, Pontificia Universidad Católica del Perú. Lima, Peru. 2015.

Faculty Scholar Medal for Outstanding Achievement in the Social and Behavioral Sciences, Pennsylvania State University, 2014.  
Alexander and Ilse Melamid Medal (for outstanding research on human cultures and natural resources), American Geographical Society, 2013.  
Robert McC. Netting Award for Outstanding Human-Environment Scholarship, Cultural and Political Ecology Specialty Group, Association of American Geographers, 2013.  
Fellow (Elected), American Association for the Advancement of Science, 2012.  
Fellow, Agrarian Studies Program, Yale University, 2004-2005.  
John Simon Guggenheim Fellowship, Guggenheim Foundation, New York, 2002-2003.  
Kellett Award for Advanced Research. University of Wisconsin – Madison, 2000-2002.  
Visiting Short-Stay Researcher, Sierra de Manantlán Biosphere Reserve, Mexico, 1998-2002.  
Carl O. Sauer Award for Excellence in Scholarship, Conference of Latin Americanist Geographers, 1999.  
Fellow in Science and the Humanities, Humanities Research Institute, UW-Madison, 1998.  
H.C. Cowles Award for Excellence in Environmental Scholarship, Association of American Geographers, 1998.  
Romnes Award for Advanced Research. University of Wisconsin – Madison, 1994-1996.

#### PROFESSIONAL SERVICE HIGHLIGHTS

Reviewer, College of Reviewers of the NSF's Big Idea: Growing Convergence Research (GCR), 2020-2022.  
Advisor, 2010-2019: John Simon Guggenheim Memorial Foundation---Geography & Environmental Studies.  
University Selection Committee, 2016-19: Faculty Scholar Medal in the Social and Behavioral Sciences, Pennsylvania State University.  
External Department and Program Evaluations, Committee Chair and Member: Department of Geography, Clark University (2019); Department of Geography, Louisiana State University (2014); Department of Geography, University of Maryland (2013); Rural Development Studies and Mansholt Graduate, Wageningen University, Netherlands (2009), Department of Geography, Indiana University (2001, 2013); Department of Geography, University of Texas at Austin (2010); Department of Geography, University of California, Berkeley (2007).  
Review Panel, 2015-16: Geography and Regional Science and Sociology Programs (Graduate Research Fellowship), National Science Foundation.  
Review Panel, 2014: Multi-Program Competition in Large Awards for Energy Systems and Sustainability Research, National Science Foundation.  
Member, International Advisory Board, 2014-18: Sustaining Futures for Europe's Heritage in Cultural Landscapes (HERCULES; funded by the European Union).  
Co-Chair, Task Force, Peru as a Global Excellence Node (GEN), Office of Global Programs, Penn State, with five Peruvian universities and research institutions. 2012-2016.  
Editorial Boards: *Annals of the American Association of Geographers* (2000-2004, 2012-2020), *J. Agrarian Change* (Netherlands, 2012-), *J. Land Use Science* (2013-), *Erdkunde*, *J. Landscape Geography* (Germany, 2015-); *Sustainability Science* (Japan, 2016-), *The*

*Professional Geographer* (2001-2008), *Ciudad y Territorio: Estudios Territoriales* (Spain, 2018-).

Head of Department, 2007-2014: Department of Geography, Penn State.

Editor, 2004-2012: *Annals of the American Association of Geographers* (editorship of the Nature-Society section of the flagship journal of geography in North America).

Honors Committee, 2011-2013: American Association of Geographers.

Chair of Department, 2005-2006, 2003-2004: Department of Geography, University of Wisconsin--Madison.

Commissioned External Review Panel, 2007-2009: International Center for Tropical Agriculture, Cali, Colombia; site visit, May 5-16, 2008.

Associate Department Chair, 2002-2003: Department of Geography, University of Wisconsin--Madison.

Co-Director, 2000-2006: Environment-Development Advanced Research Circle, UW--Madison Graduate School and International Institute.

Chair, 1996-1998: Cultural and Political Ecology Specialty Group, Association of American Geographers.

Review Panel Member, 1995-1997: Geography and Regional Science Program, National Science Foundation.

Chair, 1994-1996: Latin America Specialty Group, Association of American Geographers.

#### PROFESSIONAL DISTINCTIONS (SELECT)

Keynote, "Sustainable Landscapes." European Landscape Meeting. Jaén, Spain. September 2021.

Co-Lead/Organizer, "Urbanization-Agrobiodiversity." Pursuit Workshops, National Socio-Environmental Synthesis Center, National Science Foundation, 2018-2020.

Keynote, "Conserving Agrobiodiversity." World Potato Congress, Cusco, Peru. May 30, 2018.

Keynote, "Strengthening the Sustainability of Agricultural Biodiversity." University Lecture, Iowa State University. April 19, 2017.

Lead/Co-Organizer, Strüngmann Workshop, "Agrobiodiversity and Sustainability," Institute for Advanced Studies, University of Frankfurt, Germany, 2014-2018.

Keynote, "Synthesizing Articles in *PNAS*-2013 and *PMLA*-2012 and Rethinking the Anthropocene." Altman Symposium on the Anthropocene, Miami University, Ohio. April 9, 2015.

Keynote, "Agrobiodiversity and Global Change." University Symposium on 'Domestication and Diversity', Cornell University. March 20, 2015.

Keynote, "Cultural Landscapes and Human Mobility." Sustainable Futures for Europe's Heritage, University of Amsterdam. September 24, 2014.

Honorary Chair and Member, Rappaport Prize Panel, Anthropology and the Environment Section, American Anthropological Association, 2014.

Invited Researcher, Strüngmann Workshop, "Rethinking Global Land Use in an Urban Era," Institute for Advanced Studies/University Frankfurt, Germany. September 23-28, 2012.

Keynote, "Rethinking Geographies of Global Change," Ellen Churchill Semple Honorary Lecture, Department of Geography, University of Kentucky, April 24, 2011.

Keynote, "Human-Environment Trends," Ralph Brown Honorary Lecture, Department of Geography, University of Minnesota, April 24, 2009.

- Invited Expert, "Biocomplexity and Human-Environment Interactions." Workshop, School for American Research, Santa Fe, New Mexico, October 28-November 3, 2006.
- Keynote, "Globalization and Environmental Conservation in Humanized Landscapes." Symposium, American Museum of Natural History, New York City, April 27-28, 2006.
- Honorary Lecture, "Geographies of Globalizing Conservation." Annual Taafe Lecture, Department of Geography, Ohio State University, September 28, 2004.
- Keynote, "Environmental Conservation and Food." Sustainable Agriculture in the Americas Conference, Yale University, April 19, 2004.

## PUBLICATIONS

### A) BOOKS (MAJOR ACADEMIC AND TRADE PUBLISHERS)

- Zimmerer, K. S., de Haan, S. eds. (2019). *Agrobiodiversity: Integrating Knowledge for a Sustainable Future*. Cambridge: The Massachusetts Institute of Technology Press. 388 pp.
- Fischer-Kowalski, M., Rau, H., Zimmerer, K. S., eds. (2015). *Ecological and Environmental Sciences*, 748 pp., Volume 9/1e, in *International Encyclopedia of the Social and Behavioral Sciences, Second Edition*. Oxford. Elsevier.
- Zimmerer, K. S., ed. (2013). *The New Geographies of Energy: Assessment and Analysis of Critical Landscapes*. London and New York. Routledge Publishers. 283 pp.
- Zimmerer, K. S., ed. (2006). *Globalization and the New Geographies of Environmental Conservation*. Chicago. University of Chicago Press. 363 pp.
- Zimmerer, K. S., and Bassett, T., Editors. (2003): *Political Ecology: An Integrative Approach to Geography and Environment-Development Studies*. New York. Guilford Publications. 310 pp.
- Zimmerer, K. S., Young, K., eds. (1998). *Nature's Geography: New Lessons for Conservation in Developing Countries* (Senior Editor). Madison. The University of Wisconsin Press. 351 pp.
- Zimmerer, K. S. (1996). *Changing Fortunes: Biodiversity and Peasant Livelihood in the Peruvian Andes*. Lead monograph: California Studies in Critical Human Geography. Berkeley and Los Angeles. University of California Press. 309 pp.

### B) JOURNAL ARTICLES AND BOOK CHAPTERS (PEER REVIEW)

- Zimmerer, K. S., de Haan, S. (2020). Informal food chains and agrobiodiversity need strengthening – not weakening – to address food security amidst the COVID-19 crisis in South America *Food Security* 12 (4): 891–894.  
<https://link.springer.com/content/pdf/10.1007/s12571-020-01088-x.pdf>
- Zimmerer, K. S., de Haan, S., Jones, A. D., Creed-Kanashiro, H., Tello, M., Plasencia Amaya, F., Carrasco, M., Mesa, K., Tubbeh, R., Hultquist, C. (2020). Indigenous smallholder struggles in Peru: Nutrition security, agrobiodiversity, and food sovereignty amid transforming global systems and climate change. *Journal of Latin American Geography* 19 (3): 19(3), 74–111. <https://muse.jhu.edu/article/758921/pdf>

- Baumann, M. D., Zimmerer, K.S., van Etten, J. (2020). Participatory seed projects and agroecological landscape knowledge in Central America. *International Journal of Agricultural Sustainability* 1-19. <https://doi.org/10.1080/14735903.2020.1775930>
- Zimmerer, K. S. (2020). The paradox of chocolate agrobiodiversity: Humboldt, Raimondi, and indigenous smallholders in South America. *ReVista: Harvard Review of Latin America*. Volume XX, No. 1  
<https://revista.drclas.harvard.edu/book/paradox-chocolate-agrobiodiversity>
- Clay, N. J., Zimmerer, K. S. (2020). What is resilient in Africa's green revolution? Agricultural intensification, climate change, and agrobiodiversity in Rwanda. *Land Use Policy* 104558.
- Hedberg, R., Zimmerer, K. S. (2020). What's the market got to do with it? Social-ecological embeddedness and environmental practices in a local food system initiative. *Geoforum* 110: 35-45.  
<https://www.sciencedirect.com/science/article/pii/S0016718520300245>
- Zimmerer, K. S., de Haan, S., Lupp, J.R. (2019). Integrating agrobiodiversity knowledge for a sustainable future. In: *Agrobiodiversity: Integrating Knowledge for a Sustainable Future*, eds. Zimmerer, K. S., and S. de Haan, pp. 1-18. Cambridge: Massachusetts Institute of Technology Press.  
[https://www.researchgate.net/publication/335126667\\_1\\_Integrating\\_Agrobiodiversity\\_Knowledge\\_for\\_a\\_Sustainable\\_Future](https://www.researchgate.net/publication/335126667_1_Integrating_Agrobiodiversity_Knowledge_for_a_Sustainable_Future)
- Zimmerer, K. S., Carney, J. C. (2019). How do demographic change and spatial integration interact with agrobiodiversity? In: *Agrobiodiversity: Integrating Knowledge for a Sustainable Future*, eds. Zimmerer, K. S., and S. de Haan, pp. 163-182. Cambridge: Massachusetts Institute of Technology Press.  
[https://www.researchgate.net/publication/335126411\\_8\\_How\\_Do\\_Global\\_Demographic\\_and\\_Spatial\\_Changes\\_Interact\\_with\\_Agrobiodiversity](https://www.researchgate.net/publication/335126411_8_How_Do_Global_Demographic_and_Spatial_Changes_Interact_with_Agrobiodiversity)
- Almekinders, C., Stone, G. D., Baranski, M., Carney, J. A..... Zimmerer, K. S. (2019). Socioecological interactions of agrobiodiversity amid global change. In: *Agrobiodiversity: Integrating Knowledge for a Sustainable Future*, eds. Zimmerer, K. S., and S. de Haan, pp. 117-145. Cambridge: Massachusetts Institute of Technology Press.  
[https://www.researchgate.net/publication/332470583\\_Socioecological\\_interactions\\_amid\\_global\\_change](https://www.researchgate.net/publication/332470583_Socioecological_interactions_amid_global_change)
- Aide, M., Grau, R.H., Graesser, J., Andrade-Nuñez, M.J., Araoz, E., Barros, A., Campos-Cerqueira, M., Chacon-Moreno, E., Cuesta, F., Rueda, X., Sánchez Andrade, A., Zarba, L., Young, K.R., Zimmerer, K. S. (2019). Woody vegetation dynamics in the tropical and subtropical Andes from 2001 to 2014: The impacts of land use change and climate. *Global Change Biology* 25 (6): 2112-2126. <https://doi.org/10.1111/gcb.14618>
- Jones, A. D., Creed-Kanashiro, H., Zimmerer, K. S., de Haan, S. (2019). Reply to Sibhatu: 'Farm-level agricultural biodiversity is not the principal contributor to diverse and micronutrient-rich diets, nor to overall food consumption'. *The Journal of Nutrition* 149 (8): 1483-1486. <https://doi.org/10.1093/jn/nxz078>
- Zimmerer, K. S., De Haan, S., Jones, A. D., Creed-Kanashiro, H., Tello, M., Carrasco, M., Mesa, K., Plasencia Amaya, F., Cruz García, G., Tubbeh, R., Jiménez Olivencia, Y. (2019). The biodiversity of food and agriculture (agrobiodiversity) in the

- Anthropocene: Research advances and conceptual framework. *Anthropocene* 25: 1-16. (designated "Invited State of Science" article)  
[https://www.sciencedirect.com/science/article/pii/S2213305419300037?dgcid=auth\\_or](https://www.sciencedirect.com/science/article/pii/S2213305419300037?dgcid=auth_or)
- Radel, C., Jokisch, B.D., Schmook, B., Carte, L., Aguilar-Støen, M., Hermans, K., Zimmerer, K., and S. Aldrich. (2019). Migration as a feature of land system transitions. *Current Opinion in Environmental Sustainability* 38: 103-110.
- Tubbeh, R.M., Zimmerer, K.S. (2019). Unraveling the ethnoterritorial fix in the Peruvian Amazon: Indigenous livelihoods and resource management after communal land titling (1980s-2016). *Journal of Latin American Geography* 18 (2): 33-59.  
<https://muse.jhu.edu/article/729134>
- Zimmerer, K. S., de Haan, S., Jones, A. D., Creed-Kanashiro, H., Carrasco, M., Mesa, K., Tello, M., Tubbeh, R., Cruz García, G. (2018). Climate change and food: Challenges and opportunities in tropical mountains and agrobiodiversity hotspots. *ReVista: Harvard Review of Latin America* 12 (3): 53-57.  
<https://revista.drclas.harvard.edu/book/climate-change-and-food>
- Jones, A. D., Creed-Kanashiro, H., Zimmerer, K. S., de Haan, S., Carrasco, M., Mesa, K., Tello, M., Cruz García, G., Tello M., Plasencia Amaya, F., Marin, R.M., Ganoza, L. (2018). Farm-level agricultural biodiversity in Peru is associated with greater odds of women achieving a minimally diverse and micronutrient adequate diet. *Journal of Nutrition* 148: 1625-1637.
- Zimmerer, K. S., Lambin, E.F., Vanek, S.J. (2018). Smallholder telecoupling and potential sustainability. *Ecology and Society* 23 (1): 30. [online, pp. 1-17] URL:  
<https://www.ecologyandsociety.org/vol23/iss1/art30/>
- Liu, J., Dou Y., Batistella M., Challies, M., Connor T., Friis, C., Huettmann, F., Millington, J.D.A., Zimmerer, K.S. (2018). Spillover systems in a telecoupled Anthropocene: Typology, methods, and governance for global sustainability. *Current Opinion in Environmental Sustainability* 33, 58-69.
- Zimmerer, K. S. (2018). New postcolonial insight on gender, indigeneity, and development, and refractions to environment and health issues. *Progress in Human Geography* 42: 633-635.  
<http://journals.sagepub.com/doi/pdf/10.1177/0309132517691629>, pp. 3-5.
- Zimmerer, K. S., de Haan, S. (2017). Agrobiodiversity and a sustainable food future. *Nature Plants* 3: 1-3. <https://www.nature.com/articles/nplants201747>; DOI: 10.1038/nplants.2017.47
- Zimmerer, K. S. (2017). The political ecology and social ecology of energy. In *Handbook on the Geographies of Energy*, eds. Calvert, K.E., Solomon, B.D., pp. 465-476. Cheltenham, UK: Edward Elgar.
- Zimmerer, K. S. (2017). 'Territorial Ordering' (*Ordenamiento Territorial*): A 'new' mode of land use planning and a multi-scale idea for urban-rural integration and their implications for next-generation conservation. In *The Urban and the Territorial: Housing in Mérida*, eds. D.E. Davis, J. Castillo, and R. Segovia, pp. 65-74. Cambridge: Harvard Graduate School of Design.
- Zimmerer, K. S. (2017). Geography and the study of human-environment relations. In: *International Encyclopedia of Geography: People, the Earth, Environment, and Technology*,



- eds. Richardson, D., Castree, N., Goodchild, M., Liu, W., Kobayashi, A., and Marston, R. (Oxford: John Wiley & Sons), pp. 1-23.
- Zimmerer, K. S. (2017). Bridging new sustainable development goals, global agendas, and landscape stewardship: The roles of politics, ethics, and sustainability practice. In: *The Science and Practice of Landscape Stewardship*, eds. Bieling, C., and T. Plieninger. Cambridge: Cambridge University Press, pp. 311-327.
- Zimmerer, K. S., Córdova, H., Mata Olmos, R., Jiménez Olivencia, Y., Vanek, S.J. (2017). Mountain ecology, remoteness, and the rise of agrobiodiversity: Tracing the spaces of human-environment knowledge. *Annals of the Association of American Geographers* 107 (2), 441-455. <http://dx.doi.org/10.1080/24694452.2016.1235482>.
- Zimmerer, K. S., Córdova, H., Mata Olmos, R., Jiménez Olivencia, Y., Vanek, S.J. (2017). Support Information (SI) for Mountain ecology, remoteness, and the rise of agrobiodiversity: Tracing the spaces of human-environment knowledge. *Annals of the Association of American Geographers* issue 2 (March), Support Information, pp. 1-17.
- Zimmerer, K. S. (2017). A search for food sovereignty: Seeding post-conflict landscapes. *ReVista: Harvard Review of Latin America* 26 (2), 32-34. (<http://revista.drclas.harvard.edu/book/search-food-sovereignty>)
- Van Etten, J., Steinke, J. van de Gevel, J., Mathur, P., Fadda, C., Mittra, S., Zimmerer K. S., et al. (2017) First experiences with a novel citizen science approach: Crowdsourcing farmers' observations and preferences through on-farm triadic comparisons of technologies (tricot). *Experimental Agriculture*, pp. 1-22, (pre-publication released December 21, 2017; <https://doi.org/10.1017/S0014479716000739>)
- Zimmerer, K. S. (2017). Toward the integrated framework analysis of linkages among agrobiodiversity, livelihood diversification, ecological systems, and potential sustainability amid global change. In *Changing Land Use, Changing Livelihoods*, eds. C. A. Radel and J. M. Vadjunec, pp. 28-54. Basel, Switzerland: MDPI. (Reprint)
- Zimmerer, K. S. (2016). Agrobiodiversity as jazz improvisation: Foodscape change and continuity. *ReVista: Harvard Review of Latin America* 16, 10-13. <http://revista.drclas.harvard.edu/book/agrobiodiversity-jazz-improvisation-foodscape-change-and-continuity-0>.
- Zimmerer, K. S., Vanek, S.J. (2016). Toward the integrated framework analysis of linkages among agrobiodiversity, livelihood diversification, ecological systems, and potential sustainability amid global change. *LAND (Journal of Land Use and Land Management)* 5, 1-26 [Special Issue, 'Changing Land Use, Changing Livelihoods']. <http://www.mdpi.com/2073-445X/5/2/10/htm>.
- Zimmerer, K. S., and Rojas Vaca, H.L. (2016). Fine-grain spatial patterning and dynamics of land use and agrobiodiversity amid global changes in the Bolivian Andes. *Regional Environmental Change* 1-16. doi 10.1007/s10113-015-0897-8.
- Zimmerer, K. S., Carney, J.A., Vanek, S.J. (2015). Sustainable smallholder intensification in global change? Pivotal spatial interactions, gendered livelihoods, and agrobiodiversity. *Current Opinion in Environmental Sustainability* 14, 49-60.
- Zimmerer, K. S. (2015). Understanding agrobiodiversity and the rise of resilience: Analytic category, boundary concept, or meta-level transition? In: *Resilience: International Policies, Practices and Discourses* 3, 183-198.

- Zimmerer, K. S., Bell, M.G. (2015). Time for change: Legacy of a Euro-Andean model of landscape versus the need for landscape connectivity. *Landscape and Urban Planning* 139, 104-116.
- Zimmerer, K. S., Bell, M.G. (2015). Supplement to 'Time for change: Legacy of a Euro-Andean model of landscape versus the need for landscape connectivity.' *Landscape and Urban Planning* (on-line Supplement), pp. 1-16.
- Zimmerer, K. S. (2015). Methods and environmental science in political ecology. In: *The Routledge Handbook of Political Ecology*, eds. Perreault, T., Bridge, G., McCarthy, J. pp. 150-168. Oxford, UK: Routledge.
- Zimmerer, K. S. (2015). Environmental governance through 'Speaking like an indigenous state' and respatializing resources: Ethical livelihood concepts as versatility or verisimilitude? *Geoforum* 64, 314-324.
- Zimmerer, K. S. (2014). Conserving agrobiodiversity amid global change, migration, and nontraditional livelihood networks: The dynamic use of cultural landscape knowledge. *Ecology and Society* 19, 1-15.
- Zimmerer, K. S. (2014). Producing news, knowing science? Geographic scale and scalar framing in Who Speaks for the Climate? *Dialogues in Human Geography* 3, 304-306.
- Eakin, H. DeFries, R., Kerr, S., Lambin, E.F., Liu, J., Marcotullio, P.J., Messerli, P., Reenberg, A., Rueda, X., Swaffield, S.R., Wicke, B., Zimmerer, K. S. (2013). Significance of telecoupling for exploration of land use change. In: *Rethinking Global Land Use in an Urban Era*, Eds. Seto, K. and Reenberg, A., 141-162.
- Zimmerer, K. S. (2013). The compatibility of agricultural intensification in a global hotspot of smallholder agrobiodiversity (Bolivia). In: *Proceedings of the National Academy of Sciences* (PNAS) 110, 2769-2774. Supporting Information, pp. 1-4.
- Zimmerer, K. S. (2013). Geographic approaches to LTSER: Principal themes and concepts with a case study of Andes-Amazon watersheds. In: *Long Term Socio-Ecological Research: Studies in society-nature interactions across spatial and temporal scales*, Eds. Singh, J., Haberl, S., Chertow, M., Mirtl, M. Schmid, M. (Dordrecht: Springer Scientific), pp. 163-187.
- Zimmerer, K. S., Bell, M.G. (2013). An early framework of national land use and geovisualization: Policy attributes and application of Pulgar Vidal's state-indigenous vision of Peru (1941-present). *Land Use Policy* 30, 305-16.
- Zimmerer, K. S. (2013). Approaching the new geographies of global energy: Analytics and assessment of current energy landscapes and alternatives. In: *The New Geographies of Energy*, ed. Zimmerer, K. S. (London and New York: Routledge Publishers), pp. 1-10.
- Zimmerer, K. S. (2012). The indigenous Andean concept of *kawsay*, the politics of knowledge and development, and the borderlands of environmental sustainability in Latin America. *Publications of the Modern Language Association (PMLA)* 127, 600-606.
- Zimmerer, K. S. (2012). Agrobiodiversity and water resources in agricultural landscape evolution. In: *Biodiversity in Agriculture: Domestication, evolution, and sustainability*, eds. Gepts, P., Famula, T., Bettinger, R., Brush, S., Damania, A., McGuire, P., Qualset, C. (Cambridge: Cambridge University Press), pp. 464-473.



- Zimmerer, K. S. (2012). Cultural ecology and human ecology: Core concepts and advances in current human-environmental and nature-society studies. In: *Oxford Knowledge Systems in Geography*, ed. Warf, B. (New York: Oxford University Press), <http://www.oxfordbibliographies.com/view/document/obo-9780199874002/obo-9780199874002-0041.xml>
- Zimmerer, K. S. (2011). Conservation booms, land use transitions, and environmental governance in Latin America, 1985-2008 (Mexico, Costa Rica, Brazil, Peru, Bolivia). *Latin American Research Review* 46, 82-114.
- Zimmerer, K. S. (2011). The landscape technology of spate irrigation amid development changes: Assembling the links to resources, livelihoods, and agrobiodiversity-food in the Bolivian Andes. *Global Environmental Change – Human and Policy Dimensions* 21, 917-934.
- Zimmerer, K. S. (2011). The new geographies of energy: Introduction to the special issue. *Annals of the Association of American Geographers* 101, 705-711.
- Zimmerer, K. S. (2011). Spatial-geographic models of water scarcity and supply in irrigation engineering and management (Bolivia, 1952-2009). In: *Knowing Nature: Conversations at the intersection of political ecology and science studies*, eds. Goldman, M., Nadasdy, P., Turner, M. (Chicago: University of Chicago Press), pp. 167-185.
- Zimmerer, K. S. (2011). Mapping mountains and indigenous landscapes in the early modern world: Early geovisualizations of Pedro de Cieza de León and Alexander von Humboldt. In: *Mapping Latin America*, eds. Offen, K., Dym, J. (Chicago: University of Chicago Press), pp. 125-130.
- Zimmerer, K. S. (2011). Vertical environments: Science, nature, and cultural-environment diversity in modern development. In: *Mapping Latin America*, eds. Offen, K. S., Dym, J. (Chicago: University of Chicago), pp. 263-268.
- Zimmerer, K. S. (2010). Biological diversity in agriculture and global change. *Annual Review of Environment and Resources* 35, 137-166.
- Zimmerer, K. S. (2010). Retrospective on nature-society geography: Tracing trajectories (1911-2010) and reflecting on translations. *Annals of the Association of American Geographers* 100, 1076-1094.
- Kirch, P., Zimmerer, K. S. (2010). Dynamically coupled human and natural systems: Hawai'i as a model system. In: *Roots of Conflict: Soils, agriculture, and sociopolitical complexity in Ancient Hawai'i*, eds. Kirch, P. V., Vitousek, P. (Santa Fe: School for Advanced Research Advanced Seminar Series), pp. 3-30.
- Zimmerer, K. S. (2010). Woodlands and agrobiodiversity in irrigation landscapes amidst global change: Bolivia, 1990-2002. *The Professional Geographer* 62, 335-356.
- Zimmerer, K. S. (2010). Editors' Postscript. *Annals of the Association of American Geographers Volume* 100, 1181-1186.
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- Zimmerer, K. S. (1993): Soil erosion and social discourses: Perceiving the nature of environmental degradation. *Economic Geography* 69, 312-327.
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- Zimmerer, K. S. (1991): Managing diversity in potato and maize fields of the Peruvian Andes. *Journal of Ethnobiology* 11, 23-49.
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- Zimmerer, K. S. (1991): Sectoral fallow agriculture in the Paucartambo highlands: Struggles over the ecology of productive space during the sixteenth and twentieth centuries. *Allpanchis, Journal of Andean Studies* 38, 189-225 (in Spanish).
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- Zimmerer, K. S. (1987): La nuña: La ecología, nutrición, y producción campesina de un cultivo andino. *Anales V del Congreso Internacional de Sistemas Agropecuarios Andinos, Puno, Perú, 10-14 marzo 1986*, 233-244 PISA-CID (in Spanish).
- Zimmerer, K. S. (1978): Preliminary studies on bed load movements in LeConte Creek, Great Smoky Mountain National Park, pp. 6-11. 4th Annual Scientific Research Meeting. NPS-SER GSMNP.

#### C) ARTICLES AND CHAPTERS: RESEARCH PUBLICATIONS IN-PRESS (2020)

- Zimmerer, K. S. (2020). Cultural plant geography and its evolution to the present: The works and influence of William M. Denevan. In *Works of William M. Denevan: A Denevan Reader*, Eds. WinklerPrins, A., Mathewson, K. London: Routledge. (notified of acceptance January 22, 2019; 29 manuscript pages)

#### D) RESEARCH PUBLICATIONS UNDER CURRENT REVIEW, REVISION, AND IN-PREPARATION (2020)

- Zimmerer, K. S., Jiménez Olivencia, Y., López Estébanez, N. Allende Álvarez, F., Mata Olmo, F., Yacamán Ochoa, C., Porcel Rodríguez, L., Ruiz Pulpón, A., Jerez García,



- O. (2020). Identifying agri-food landscapes and connectivity to strengthen sustainability amid globally rapid urbanization and agricultural intensification. (submitted 8 June; 66 manuscript pages, includes supplement)
- Zimmerer, K. S., Seto, K., Riordan, T., Jaenicke, T., Duvall, C., Minaker, L. (2020). Urbanization and agrobiodiversity: new insight for sustainable food systems. (revised version; 20 manuscript pages)
- Cavallo, S., Zimmerer, K. S. (2020). Boundary crops and buffer zones: colonial imaginaries and the spatial politics of conservation at the tea-forest margin in western Uganda. (revised version submitted; 31 manuscript pages)
- Zimmerer, K. S., Rojas Vaca, H. L, Hosse Sahonero, M. T. (2020). Agrobiodiversity of indigenous peasants as relational infrastructures: everyday landscapes, livelihoods, and violence amid transforming coca economies and water projects in Bolivia (1990-2010) (revised version in preparation; 61 manuscript pages)
- Jiménez Olivencia, Y., Ruíz, A., Zimmerer, K.S. (2020). Dynamics of change in Euro-Mediterranean Mountains: Driving forces and consequences on the landscape (submitted; 45 manuscript pages)
- Zimmerer, K. S., Jiménez Olivencia, Y., Porcel Rodríguez, L., Rodríguez, A. Ruiz (2020). The nexus of transforming agri-food land use with immigrant farm workers, peri-urban livelihoods, and food security in Spain and the Mediterranean (submitted; 45 manuscript pages)

#### D) REPORTS AND THESES

- Zimmerer, K. S. (1988). Seeds of peasant subsistence: Agrarian structure, crop ecology, and Quechua agricultural knowledge in reference to the loss of biological diversity in the southern Peruvian Andes Ph. D. Dissertation, Department of Geography, University of California, Berkeley. (551 pages)
- Zimmerer, K. S. (1988). Member of the workshop and contributor of the written material on *Nuñas* (Popping Beans); published as *Lost Crops of the Inca: Little-Known Plants of the Andes with Promise for Worldwide Cultivation*, 1989, N. Vietmeyer. Washington, D.C.: National Research Council and National Academy Press.
- Zimmerer, K. S. (1985). Agricultural inheritances: Peasant management of common bean (*Phaseolus vulgaris*) variation in northern Peru. Master's Thesis, Department of Geography, University of California, Berkeley. (254 pages)

#### RESEARCH GRANTS AND FUNDED RESEARCH

##### A) FUNDED GRANTS FOR RESEARCH, CURRENTLY IN-PROGRESS

- 2020-22 Senior Personnel, Sistemas agroalimentarios multifuncionales y territorializados para el desarrollo rural en España. Conceptuación y gobernanza. (Multifunctional Agri-food Systems and Territory-Making for Rural Development in Spain). R. Mata, PI; Plan Nacional, Consejo Superior de Investigaciones Científicas, Spain.
- 2019-22 Co-Lead PI, Examining and Strengthening the Resilience of Agrobiodiversity and Healthy Diets among Smallholders in the Peruvian

- Andes. McKnight Foundation (with Andrew Jones, University of Michigan).
- 2019-21 A Systems Approach for Meeting Local and Global Food-Energy-Water Nexus Challenges. Penn State University Strategic Planning Initiative; K. Zimmerer is member of the extended project team.
- 2019-20 PI, Agrobiodiversity Change in Drug War Landscapes (Mexico): Rethinking the Geographies of Vulnerability and Resilience. Doctoral Dissertation Research Fellowship, National Science Foundation (with Gabriel Tamariz).
- 2019-20 PI, Social-Environmental Feedbacks Between the Use and Governance of Water and Soil in Dryland Irrigation Megaprojects. NSF Geography and Spatial Sciences Program, Doctoral Dissertation Fellowship, National Science Foundation (with M. Baumann).
- 2018-20 Co-Lead PI, Linkages of Agrobiodiversity in Urban Systems and Food Producing Landscapes; Pursuit Workshops, Environmental Dynamics of Food Systems, National Socio-Environmental Synthesis Center (SESYNC), National Science Foundation. (approximately \$210,000, February 2018-20).
- 2018-20 Co-PI, Diverse Pathways to Nourishment: Understanding How Agricultural Biodiversity Enhances Food Security and Nutrition. Environmental Dynamics of Food Systems, National Socio-Environmental Synthesis Center (SESYNC), National Science Foundation .
- 2019-20 PI, Traditional Seed Systems and Agrarian Change in Nepal, Society of Woman Geographers, Washington, D.C. (with M.L. Ryan).
- 2017-19 PI, Changing Landscapes of Food-Growing amid Climate Change and Rural-Urban Transitions in Spain; Fulbright Research Grant, Europe and Eurasia. Fulbright Scholarship Board and Bureau of Educational and Cultural Affairs, U.S. and Spain.
- 2017-19 PI, Determining and Advancing Sustainable Solutions to Biodiversity, Water, and Food Security amid Climate Change and Rapid Urbanization in Peru; Penn State – Peru Collaboration Development Fund, Office of Global Programs.
- 2016-20 PI, Continued Fellow Appointment: Territorial Approaches to Environmental Planning amid New Resource Extraction, Social Conflicts, and Scientific Knowledge. David Rockefeller Center for Latin American Studies and Sustainability Science, Harvard University.
- 2015-19 Co-PI, Gender Research and Integrated Training Program, Consultative Group on International Agricultural Research (CGIAR).
- 2015- PI, Fulbright Specialist Grant, Latin America, Program Evaluation and Design for Teaching and Research in Environmental Science and Global Change in Peru; Fulbright Foreign Scholarship Board and the Bureau of Educational and Cultural Affairs, U.S. Department of State.
- 2014-19 Lead PI, Organizer, International Agrobiodiversity Collaboratory and Forum: Agrobiodiversity in the 21st Century and an Integrative Scientific Framework for Transformative Sustainability. Ernst Strungmann Forum, Frankfurt, Germany.

**B) FUNDED GRANTS FOR EDUCATION AND TEACHING, CURRENTLY IN-PROGRESS**

- 2019- PI, Parallel Teaching Development (Spain, Morocco, Peru): Hidden Places and People in Global Sustainability: Arab/North African and American Foodways and Geographic Mobility.
- 2017-19 PI, Development of proposed new course on Society, Environment, and Food (Geog 331), Seed Grant for General Education Integrative Studies, Office for General Education, Penn State.
- 2015-19 Co-PI, NSF InTeGrate Program, Development of on-line course on “Future of Food,” SERC-Carleton College and Geosciences Program, National Science Foundation.

**C) RESEARCH GRANTS UNDER CURRENT REVIEW, IN-PREPARATION, AND RECENTLY DECIDED (2020) (AVAILABLE UPON REQUEST)**

**D) RESEARCH GRANTS, COMPLETED**

- 2016-18 Co-Lead PI, Elucidating Pathways from Agrobiodiversity to Dietary Diversity in Peru; Daniel and Nina Carasso Foundation.
- 2017-18 PI, Linking Banana Xanthomonas Wilt and Agro-Ecological Intensification to Food Practices in Kabarole District, Uganda; US AID Borlaug Program in Food Security (with S. Cavallo).
- 2015-17 PI, Local and Regional Food Systems, Soil Phosphorus, and Resilience in a Regional Farmers Market Network; Doctoral Dissertation Fellowship, Geography and Spatial Sciences Program, National Science Foundation (with R. Hedberg).
- 2015-17 PI, Local and Regional Food Systems, Soil Phosphorus, and Resilience in a Regional Farmers Market Network; USDA National Institute of Food and Agriculture, Northeast Sustainable Agriculture Research and Education Program (with R. Hedberg).
- 2015-17 PI, Transitioning Agrarian Livelihoods and Ecologies: Climate Change, Food Security, and Agrobiodiversity in Rwanda’s Western Highlands; US AID Borlaug Program in Food Security (with N. Clay).
- 2015-16 PI, Spatial Planning amid New Resource Extraction, Social Conflicts, and Geospatial and Scientific Knowledge; David Rockefeller Center for Latin American Studies and Sustainability Science, Harvard University.
- 2015-16 Co-PI, HoneycombPSU: Citizen Science and Pollinator Corridors at the Intersection of Biodiversity and Ecosystem Functioning; Ecology Institute, Huck Institutes of the Life Sciences (with M. Kelly, M.D. Ebersole).
- 2015-16 PI, Agrobiodiversity, Food, and Health: New Models of Spatial Planning; Rockefeller Foundation, Bellagio Center, Italy.
- 2015-16 PI, Outscaling a Citizen Science Approach to Climate Adaptation and Agrobiodiversity Options Using Seed Systems; Bioversity International; Ethiopia, India, and Central America.

- 2015-16 Co-PI, Global Food and Water Security: Speaker Series; Penn State Institutes for Energy and the Environment (with H. Lin and others)..
- 2015-16 PI, Faculty Sabbatical; Pennsylvania State University.
- 2015-16 PI, Comparing High Value Commodity Chains and Consequences for Biodiversity and Food Security (Quinoa in Peru and Teff in Ethiopia); US AID Borlaug Program in Food Security (with A. Adams, withdrawn from program).
- 2011-15 Senior Personnel, Ecosystem Science, Ecology, Land Use, and Management of Tropical Montane Forests; National Science Foundation (with P. Martin, PI, and others).
- 2012-13 PI, Maize Cultivation and the Politics of Agricultural Modernization in Mexico's Central Highlands; Doctoral Dissertation Fellowship, Geography and Spatial Sciences Program, National Science Foundation. K. Zimmerer is PI (with E. Mullaney).
- 2010-13 PI, Andean Gristmills: Relations among Technology, Environment and Society in Colonial Peru; Geography and Spatial Sciences Program, Doctoral Dissertation Fellowship, National Science Foundation (with M. G. Bell).
- 2008-13 PI, Agents of Change in Agriculture and the Environment: Land-User Interactions and Spatial Externalities in Organic Farming (Upper Midwest, USA) and Agrobiodiversity Landscapes (Bolivia); Human and Social Dynamics Program (Agents of Change), National Science Foundation (with B. L. Barham, A. Burnicki, J. Burt, D. Lewis).
- 2007-10 Senior Personnel, Intensification of Dryland Oceanic Agriculture and Human-Environmental Change in Hawaii; Biocomplexity Program (Coupled Human Natural Systems), National Science Foundation (with P. Vitousek, O. Chadwick, P. Kirch, and others).
- 2004-05 PI, Rural-Urban Dynamics and Landscape Concepts of International Environmental Science, Andean Peasants, and State Rulers; Research Fellowship, Agrarian Studies Program, Yale University.
- 2004-05 PI, Faculty Sabbatical; The University of Wisconsin – Madison.
- 2003-05 PI, Agrobiodiversity and Development of Meso-Scale Irrigation in Tropical Mountain Ecosystems of Peru and Bolivia; Biocomplexity Program, National Science Foundation.
- 2003 PI, The Rural-Urban Geography of Global Conservation and Resource Management in Latin America, Europe, and the United States. The Graduate School, University of Wisconsin – Madison.
- 2002-03 PI, The Rural-Urban Geography of Global Conservation and Resource Management in Latin America, Europe, and the United States. John Simon Guggenheim Memorial Foundation Fellowship.
- 2002-03 PI, Social-Environmental Dynamics of Malaria Eradication in Northwest Argentina, 1900-present." Geography and Regional Science Program, National Science Foundation (with E. D. Carter).
- 1999-2004 PI, New Geographies of Conservation and Development Change, Environment and Development Advanced Research Circle; International and Environmental Studies Institutes, University of Wisconsin – Madison (with B. Barham).

- 2000 PI, Socio-Environmental Scaling in the Irrigation Development of Western South America. The Graduate School, University of Wisconsin – Madison.
- 1999-2001 PI, Socio-Environmental Dynamics and Landscape History of the Biological Invasion of Pasture Grasses: The Case of Kikuyu Grass in Southern Peru; Geography and Regional Science Program, National Science Foundation (with F. L. González).
- 1998-2000 PI, Nature-Society Relations, Protected Areas, and Development in Mexico and Peru; Vilas Associate Award, The Graduate School, University of Wisconsin – Madison.
- 1998 PI, Cultural Ecological Landscapes of the Andes Mountains: Changing Nature and Indigenous People during European Colonial Transformations; Institute for Research in the Humanities (HRI), University of Wisconsin – Madison .
- 1998-99 PI, The Political Ecology of Agro-Environmental Changes and Regional Free Trade (MERCOSUR) in Brazil and Paraguay; Geography and Regional Science Program, National Science Foundation (with C. J. Rosin).
- 1998-99 PI, Anthropogenic and Natural Disturbances in Andean Forests during the Twentieth Century; Geography and Regional Science Program, National Science Foundation (with M. J. Batek).
- 1997-98 PI, Analysis of Landscape Change in Latin America using Aerial Photography and GIS, Holstrum Environmental Scholarship Grant, UW – Madison (with E. L. Parker).
- 1997 PI, Faculty Sabbatical; Fall semester. The University of Wisconsin – Madison.
- 1996 PI, The Origins of Andean Irrigation; The Graduate School, University of Wisconsin – Madison.
- 1994-95 PI, Resource Use, Economic Change, and Local Soil Knowledge Among Small-Scale Producers of Ilha Ituqui, Para, Brazil; Geography and Regional Science Program, National Science Foundation (with A. M.G.A. WinklerPrins).
- 1994-95 PI, Environmental Degradation and Agricultural Change in Western Sao Paulo, Brazil, 1900-1980; Geography and Regional Science Program, National Science Foundation (with C. Brannstrom).
- 1995 PI, Conservationist Ideas and Policy in Latin America during the 20th Century; The Graduate School, University of Wisconsin – Madison.
- 1994-95 PI, Floodwater Farming and Common Property in the Smallholder Agriculture of Highland Bolivia: The History of ‘Subsidies’ from Society and Nature; The Land Tenure Center, University of Wisconsin – Madison.
- 1993 PI, Human Habitat Modification and Biodiversity of Non-Cultivated Plants in Tropical Mountains; The Graduate School, University of Wisconsin – Madison.
- 1992 PI, Andean Environmental Change during the 16th and 17th Centuries; The Graduate School, University of Wisconsin – Madison.
- 1991-93 PI, Soil Erosion and Agricultural Change in Highland Bolivia. Geography and Regional Science Program, National Science Foundation.
- 1991 PI, Social Movements, Peasant Perceptions, and Soil Erosion. Post-Doctoral Research Grant, Social Science Research Council.

- 1989 PI, John T. Lupton Award for Research in the Social Sciences. University of North Carolina, Chapel Hill.
- 1986-87 PI, Dissertation Improvement Grant; Geography and Regional Science Program, National Science Foundation (with J. Parsons).
- 1986-87 PI, Fulbright-Hays Doctoral Dissertation Research Abroad Fellowship.
- 1986-87 PI, International Doctoral Research Fellowship. Social Science Research Council.
- 1985 PI, Tinker Foundation Travel Grant for Latin American Research.
- 1985 PI, J. Noyes Foundation Post-Course Research Grant. Organization for Tropical Studies (OTS), Duke University and Costa Rica.
- 1984 PI, Food Plant Biodiversity and Agricultural Development in Northern Peru; Master's Thesis Fellowship, Inter-American Foundation.
- 1983 PI, Center for Latin American Studies, University of California, Berkeley.

## RESEARCH PRESENTATIONS

### A) HONORARY, PLENARY, AND KEYNOTE ADDRESSES

**See highlights in "MAJOR KEYNOTE ADDRESSES AND PROFESSIONAL DISTINCTIONS", page 2-3**

- Workshop Keynote Address, "Introduction and Overview: Agrobiodiversity in the 21st Century and an Integrative Scientific Framework for Transformative Sustainability." Ernst Strungmann Forum, Frankfurt Institute for Advanced Studies, Germany. October 3, 2016.
- Keynote Address, "Cambio climático y agrobiodiversidad relacionados con la seguridad y soberanía alimentaria" (Climate Change and Agrobiodiversity Related to Food Security and Sovereignty), Foro Internacional de Glaciares y Ecosistemas de Montaña, Instituto Nacional de Investigación en Glaciares y Ecosistemas de Montaña (INAIGEM), Huaraz, Peru. August 12, 2016.
- Keynote Address, "Rethinking the Role of Food in Cultural Landscapes: The FINCA Conceptual Model." Workshop on 'Identifying models for fostering biocultural diversity in landscapes through alternative food networks', United Nations University, Tokyo. March 10, 2016.
- Keynote Address, "Thinking through Resilience for Development: Sustainability Issues in Land and Food Systems." Cornell Workshop on Resilience and Development, Department of Development Sociology, Cornell University. October 24, 2014.
- Keynote Lecture, "The Role of Surprise in Design and Methodologies for Research in Social-Ecological Synthesis," Invited, National Socio-Environmental Synthesis Center (SESYNC) Research Workshop, Annapolis, Maryland, January 15, 2014.
- Plenary Lecture, "Surprise! Novel Interactions in Global Change and the Growing Role of New Human-Environment Ideas," Cultural and Political Ecology Specialty Group (CAPE), Annual Meeting of the Association of American Geographers, Tampa, Florida, April 11, 2014.



Honorary Address, "Tropical Mountain Landscapes and Distant Cities in Geographic Contributions to Sustainability," American Geographical Society (AGS), New York City, December 6, 2013.

Plenary Lecture, "Environmental Management Trends and Political Regimes in Latin America." Plenary on Contemporary Debates on Ecology, Culture, and Society in Latin America. International Congress of the Latin American Studies Association (LASA), Río de Janeiro, Brazil, June 11, 2009.

Plenary Address, "Ethnobiology and the Environment: Recent Contributions from Collaborative Plant Breeding." Sixth International Congress of Ethnobiology and Distinguished Lecture, Center for Latin American and Caribbean Studies (CLACS), University of Georgia, October 24, 2000.

Keynote Address, "Local-Global Trends and New Landscape Ecologies: Changing Prospects of International Conservation." Conference on the World Environment. Centers of Latin American, European and Russian, and African Studies, University of Kansas, Lawrence, February 19, 1999.

#### **B) INVITED LECTURES, COLLOQUIA, AND SEMINARS**

"Utilizing the Agrobiodiversity Knowledge Framework (AKF) with nutrition, food security, livelihoods, and global change: Case studies from Latin America." Invited Seminar, Bioersity - CIAT, Hanoi, Vietnam, 17 December 2019.

"Biodiversity of food and agriculture: From global CHNS and telecoupling models to intensification-nutrition interactions amid climate change (...and back again)?" Seminar, Ecology Program, Pennsylvania State University, 6 December 2019.

"Human-environment and spatial dynamics of crop biodiversity: Room for sustainability in global hotspots?" Invited Seminar, Department of Plant Pathology and Environmental Microbiology, Pennsylvania State University, 11 March 2019.

"Conservation and food biodiversity in global change: Sustainability or dystopia?" Department of Recreation, Parks, and Tourism Management (RPTM), Pennsylvania State University, 30 November 2018.

"Agroecology and food biodiversity in development and global change: Sustainability or dystopia?" Invited Address, Greenleaf Symposium on Rural Transformation in Latin America's Changing Climate. University of New Mexico, Albuquerque. 15 November 2018.

"Relevancia de los flujos entre distintos sistemas o paisajes agroalimentarios." Institute of Regional Development and the Science and Culture Unit, University of Granada, Granada, Spain, 14 June 2018.

"Navigating new geographies of agrobiodiversity: Potential sustainability and social use or dystopia in agriculture and food systems amid global changes." Department of Geography, McGill University, Montreal, 23 April 2018.

"New spaces of dystopia and sustainability: Transforming the geographic dynamics of biodiversity use and social access in food systems amid global change." School of Geography and Development, University of Arizona, 2 February 2018.

"Recent directions and trends in food studies." Research Seminar, Center for Regional Food Studies Visiting Scholar, University of Arizona, 1 February 2018.

- “Biodiversity in agri-food systems: Apocalypse, alternatives, and what should the environmental sciences do?” School of Forestry and Environmental Studies (FES), Yale University, 13 November 2017.
- “Desafíos y Estrategias Para la Sostenibilidad de los Sistemas Agro-Alimentarios y Paisajes de Producción y de Consumo de España Frente los Cambios Climáticos y Tasas de Urbanización Mas Fuerte del Mundo.” Departamento de Geografía, Universidad Autónoma de Madrid, Madrid, Spain. 25 May 2017.
- “Target, measure and act: Agrobiodiversity transitions at different scales and implications for integrated conservation.” European Association for Research on Planting Breeding (EUCARPIA) Congress, Genetic Resources, Montpellier, France. 9 May 2017 (with Stef de Haan and Severin Polreich).
- “New spaces of dystopia or sustainability? Geographic dynamics of biodiversity in land use and food systems”, Department of Geography, Rutgers University (February 17, 2017)
- “Cultural landscapes and landscape justice”, Department of Landscape Science and the HERCULES Cultural Landscape Project, University of Hohenheim, Hohenheim, Germany, September 30, 2016.
- “Integrating environmental and ecological analysis with political ecology and studies of society, science, and technology”, Seminar Presentation, IRI THESys (Integrative Research Institute on Transformations of Human-Environment Systems), Humboldt University, Berlin, Germany, September 27, 2016.
- “Perspectivas geográficas y interdisciplinarias sobre la agrobiodiversidad frente a cambios rurales-urbanos y climáticos”, Universidad Nacional Hermilio Valdizán, Huánuco, Peru. July 25 2016.
- “Land use and spatial planning, biodiversity of food systems and sustainability: International comparisons of ‘Territorial Ordering’ (*Ordenamiento Territorial, OT*)”, The Rockefeller Foundation Bellagio Center, Bellagio, Italy. July 4, 2016.
- “Spatial and environmental planning in the Anthropocene: Territorial approaches amid new resource extraction, state power and social conflicts, and scientific knowledge systems”, David Rockefeller Center for Latin American Studies and Graduate School of Design, Harvard University. April 11, 2016.
- “The social-ecological reworking of modern environment-food systems amid global changes”, School of Forestry and Environmental Studies, Yale University, April 6, 2016.
- “Culture-environment interactions, food landscapes, and spatial models in the Andes (Peru, Bolivia)”, Andean Art and Archaeology Working Group, Harvard University, February 26, 2016.
- “The informal seed sector: A behind-the-seeds look”, United States Agency for International Development (US AID), Council on Food Security, Washington, D.C., November 12, 2015.
- “New geographic and human-environment dynamics of biodiversity in land use and food systems”, Colloquium Presentation, Institute of Geographic Sciences, Freie Universität Berlin, Germany, October 20, 2015.
- “Agrobiodiversity and global change: Integrating across scales and conceptual frameworks”, Colloquium Presentation, IRI THESys (Integrative Research Institute

- on Transformations of Human-Environment Systems), Humboldt University, Berlin, Germany, October 16, 2015.
- “Dinámicas territoriales y interacciones humanas con el medio ambiente en Áreas Protegidas”. Universidad Nacional de San Agustín (UNSA), Arequipa, Peru, May 23, 2015.
- “Cambio climático y manejo del agua y paisajes en la zona agraria de la montaña.” Universidad Nacional de San Agustín (UNSA), Arequipa, Peru, May 22, 2015.
- “Medio ambiente: Nuevas perspectivas interdisciplinarias”. Universidad Nacional de San Agustín (UNSA), Arequipa, Peru, May 21, 2015.
- “Medio ambiente: Nuevas perspectivas geográficas y interdisciplinarias con ejemplos de la agrobiodiversidad y cambios globales (cambio climático, urbanización)”. Pontificia Universidad Católica del Perú (PUCP), Lima, Peru, May 19, 2015.
- Symposium Organizer, Convener, and Presenter, “Sustainable intensification: New scientific approaches,” Annual Meeting of the American Association for the Advancement of Science (AAAS), San Jose, California, February 12-16, 2015.
- “Rethinking the geographic dynamics and new dimensions of food biodiversity: Trends, transitions, and territories,” Colloquium of the Department of Geography and the Environment, University of Texas at Austin, October 3, 2014.
- “Food biodiversity in the cultural landscapes of smallholders: Global trends and regional trajectories in Latin America, Europe, and the U.S.A.,” Institut for Geovidenskab og Naturforvaltning (IGN), Københavns Universitet/Department of Geosciences and Natural Resource Management, University of Copenhagen, September 23, 2014.
- Symposium Organizer and Introducer, “Agrobiodiversity and global change: New linkages to sustainability,” 2014 Annual Meeting of the American Association for the Advancement of Science (AAAS), Chicago, February 15, 2014.
- “Agrobiodiversity and Environmental Governance: The Social-Ecological Futures of Food and Land Use,” Colloquium of the Ostrom Workshop, Indiana University, October 28, 2013.
- “Indigenous knowledge and human-environmental change: High-agrobiodiversity food plant complexes amid intensifying global trends and sustainability prospects,” Interinstitutional Consortium on Indigenous Knowledge/ICIK, Pennsylvania State University, March 21, 2012.
- “The present and future of e-education in Meteorology, Geosciences and Geography” (with Professors W. Brune and L. Kump), Earth Talks Seminar, Pennsylvania State University, March 12, 2012.
- “Coevolution: Culture-agriculture interactions and implications with respect to potential perennial polyculture-based agrarian transitions,” The Land Institute, Salina, Kansas, March 17, 2011.
- “Agrobiodiversity and landscape ecology of the Andes,” research group, Dr. Prof. Gerhard Gerold, Institute of Geography - Department of Landscape Ecology, University of Göttingen, December 7, 2010.
- “Peru and Penn State: Research and graduate-education opportunities in geography and the resource and land-use sciences,” Department of Geography, Pontificia Universidad Católica del Perú, Lima, Peru, November 11, 2010.

- “Sustainable food landscapes and the geography of global agrobiodiversity,”  
Department of Food Science, Pennsylvania State University, October 28, 2010.
- “Conservation conversation: New directions in environmental management” (with B. King and E. Smithwick), Coffee Hour Colloquium, Department of Geography, Pennsylvania State University, September 10, 2010.
- “Biodiversity and social-ecological resilience of irrigated food landscapes” Applied Biodiversity Science and NSF-IGERT Seminar Series, Texas A&M University, March 10, 2010.
- “Adaptation and use of food plant biodiversity at multiple scales: Finding keys to conservation and sustainability,” Colloquium Series, Department of Anthropology, Pennsylvania State University, February 19, 2010.
- “Local dynamics of global land use: Change in high-agrobiodiversity and organic landscapes,” coffee hour colloquium series, Department of Geography, Pennsylvania State University, December 11, 2009.
- “Spatial interactions of land users and land use involving agriculture and the environment,” M. E. John Seminar Series, Department of Agricultural Economics and Rural Sociology, Pennsylvania State University, December 5, 2008.
- “Agrobiodiversity and water resources: Resilience and limits in political-environmental change,” Department of Geography Colloquium Series, Rutgers University, October 24, 2008.
- “Agrobiodiversity and water management in agricultural landscape evolution (Andean valleys, Bolivia, 1986-2008),” Harlan II, International Symposium, Biodiversity: Domestication, Evolution, & Sustainability, University of California, Davis, September 16, 2008.
- “Climate change and agriculture in conservation and development,” Advanced Graduate and Faculty Seminar in Conservation and Development, School of Forestry and Environmental Studies, Yale University, March 27, 2008.
- “Common ground? Four-field geography and the restructuring academy,” coffee hour colloquium series, Department of Geography, Pennsylvania State University, January 18, 2008.
- “Spatial externalities in agriculture: Edge effect-type economic, social, and environmental interactions” (with B. Barham and D. Lewis), Seminar in Development, Department of Agricultural and Applied Economics, UW – Madison, November 29, 2007.
- “Environmental conservation, climate change, and compromise: From landscapes to waterscapes and foodscapes” and “Biodiversity and climate change: How do top-down and bottom-up approaches meet,” courses on Environmental Studies and Globalization, School of Forestry and Environmental Studies, Yale University, November 12-13, 2007.
- “Trade-offs of environmental conservation involving agriculture, development, and globalization,” Workshop on Conservation and the Politics of Knowledge, Center for Integrative Conservation Research, University of Georgia, November 7, 2007.
- “Biodiversity in agriculture and management of water resources: Exploring the connections in development and environmental change,” Human-Environment Research Discussion (HERD), Department of Geography, University of Wisconsin--Madison, March 27, 2007.

- “Complexity in historical ecology,” invited panelist in Conversations in Geography Roundtable, Department of Geography, University of Wisconsin--Madison, March 9, 2007.
- “Social-ecological hybridity and global change in the dynamics of Andean potato biodiversity,” Technology and Agrarian Development Program (TAO), Wageningen University, Netherlands, October 12, 2006.
- “Envisioning the future of geography: Borderlands within the discipline and in the context of interdisciplinarity,” Department of Geography and College of Earth and Mineral Sciences, Penn State University, January 21, 2006.
- “Environmental change, conservation, and agriculture under neoliberalism in Latin America,” address to conference entitled “Beyond Neoliberalism? Experiences, Responses, and New Directions in Latin America and the Caribbean,” Program on Latin America and the Caribbean (PLACA), Maxwell School, Syracuse University, April 15, 2005.
- “Landscapes, local spatial dynamics, and human-environmental change in Andean peasant communities of Bolivia and southern Peru,” Department of Anthropology, Yale University, March 24, 2005.
- “From natural history to environmental science: Mapping landscape and nature in the Andes,” Colloquium of the Agrarian Studies Program, Yale University, February 4, 2005.
- “Human-ecological dynamics of agrobiodiversity and conservation,” School of Forestry and Environmental Studies, Yale University, February 3, 2005.
- “Agricultural change dynamics and cultural use of seed size variation in Peru,” seminar in Culture and Ecology, Columbia University, November 1, 2004.
- “Globalization and new dimensions of conservation: Exploring the opportunities and dilemmas,” seminar of SAGE/Sustainability and the Global Environment, University of Wisconsin – Madison, April 7, 2004.
- “Derechos y conceptos sobre territorios indígenas entre los Andes y la Amazonia.” Instituto de Montañas/The Mountain Institute, Lima, Peru, August 5, 2003.
- “Agrobiodiversity, culturally appropriate development, and the prospects amid growth of meso-scale irrigation and environmental and water resource policies,” CONDESAN and CIP, Lima, Peru, October 25, 2002.
- “Agrobiodiversity policies and governance issues,” Working Group on Agriculture and Environment, FAO and UNDEP, New York, August 31, 2002.
- “National and international environmental history: Globalization and new geographies of conservation,” Faculty Environmental Breakfast Seminar (William Cronon leader), University of Wisconsin – Madison, April 16, 2002.
- “The ecology of potato biodiversity: Environmental factors and indigenous landscape management in community-based models and other new developments in Peru and Bolivia,” symposium of the Madison Ecology Group (MEG), University of Wisconsin – Madison, September 21, 2001.
- “Geografía y su papel en investigaciones sobre la relación entre medio ambiente y desarrollo,” (Geography and Its Role in Research on Environment-Development Relations), video-conference presentation, National Congress on Geography, Lima, Peru, November 29, 2000.

- “People-environment geography and the outline of a theory of critical planning territories for conservation and development,” Department of Geography, Syracuse University, April 28, 2000.
- “Community landscapes, food, and the geographical state of nature: Case studies and reflections in greater South America,” Department of Geography, University of Wisconsin – Madison, April 14, 2000.
- “Tropical biodiversity and livelihoods: The case for sustainable development and the future of agriculture,” The ‘Plants, People, and the Planet’ Lecture Series, Olbrich Botanical Gardens, Madison, Wisconsin, February 3, 2000.
- “The geographical scaling of water resources under neo-liberal reforms and post-colonial development in Latin America,” Department of Geography, University of Illinois, Champaign-Urbana, November 12, 1999.
- “The human ecology and politics of re-scaling irrigation in South America: Colonial, modern, and post-colonial transitions,” Colloquium, Department of Anthropology, Stanford University, October 18, 1999.
- “The future of geography at the University of California, Berkeley,” Panel Discussion, Department of Geography, University of California, Berkeley, October 17, 1999.
- “Political ecologies and development in Latin America: Legacies of the Left, authoritarianism, and populism in irrigation projects, Bolivia and Mexico, 1950-1995,” invited workshop fellow, University of California, Berkeley, Environmental Politics Workshop, October 15, 1999.
- “The reworking of nature’s geography: Conservation, ideas of scale, and political ecology hybrids,” Colloquium, Department of Geography, University of California, Berkeley, October 13, 1999.
- “Agriculture, ecology, and irrigation,” Department of Anthropology, University of Wisconsin – Madison, October 1, 1999.
- “Colonialism-to-globalization: Geographical ideas of landscape and conservation with special reference to western South America,” Faculty Environmental Breakfast Seminar (William Cronon leader), University of Wisconsin – Madison, April 13, 1999.
- “Research trends in the area of environment-development relations and Latin America,” Symposium on Latin America and the Environment, Latin American and Iberian Studies Program and Institute for Environmental Studies, University of Wisconsin – Madison, March 18, 1999.
- “Changing representations of nature and natives during European colonialism (1532-1830),” Faculty Fellows Seminar, Institute for Research in the Humanities (HRI), University of Wisconsin – Madison, November 23, 1998.
- “Narratives of ‘second nature’: Environmental change and development in Latin America,” Department of Geography, University of Minnesota, October 24, 1997.
- “Conservation and development in Latin America: The example of agricultural biodiversity in Peru” (in Spanish), El Instituto Manantlán de Ecología y Conservación de la Biodiversidad (IMECBIO), Universidad Nacional de Guadalajara, Mexico, April 23, 1997.



- "Environmental research, policy, and ethics in developing countries," Faculty Environmental Breakfast Seminar (William Cronon leader), University of Wisconsin – Madison, April 15, 1997.
- Invited Commentator on the Symposium "Agricultural transformation and agrarian transition in the Americas: Technological change and biotechnology in the 21st century," The Land Tenure Center and the Department of Agricultural and Applied Economics, University of Wisconsin-Madison, April 11, 1997.
- "Environmental and social dimensions of agricultural change in Latin America and the United States," The Land Institute, Salina, Kansas, March 25, 1997.
- "The geo-ecology of agriculture in developing countries: Inner-actions of human and biophysical geography," Department of Geography, Pennsylvania State University, January 24, 1997.
- "Research problems, theory, and methodology in environmental geography," Department of Geography and College of Geosciences, Texas A&M University, October 14, 1996.
- "Environmental degradation and conservation in developing countries." (6 Lectures), University of Iowa, Iowa City, November 13-16, 1995.
- "The environmental geography and history of agricultural biodiversity," Faculty Environmental Breakfast Seminar (William Cronon leader), University of Wisconsin – Madison, November 10, 1995.
- "Biodiversity's changing role in Third World farming," Department of Geography and Rockefeller Center, Dartmouth College, October 8, 1995.
- "Changing fortunes: Biodiversity and peasant livelihood in the Peruvian Andes," Department of Geography and Institute of Latin American Studies, University of Illinois, April 20, 1995.
- "Economic restructuring and environmental policies in Andean South America," Conference on the Environment and the New Global Economic Order, Institute of Latin American Studies, University of Texas-Austin, April 7, 1995.
- "Peasant farming and the 'agrarian question' in Bolivia: Subsidies from nature and culture," Land Tenure Center, University of Wisconsin-Madison, March 30, 1995.
- "Implications of non-equilibrium ecology," Department of Geography, Noontime Faculty-Graduate Discussion, University of Wisconsin-Madison, February 20, 1995.
- "Integrating 'new ecology' and political ecology," Workshop on Political Ecology, Michigan State University, April 16, 1994.
- "The environmental geography of soil erosion and conservation in highland Bolivia," Department of Geography, University of Wisconsin – Madison, March 17, 1994.
- "Neither noble nor ignoble: 'Ecological savages' and the concept of resource ethics among non-Westerners," Working Group on Sustainability, University of Texas and Texas A&M, February 19, 1994.
- "The challenge of integration in environmental geography: Doing research on soil erosion in Bolivia," Department of Geography, Texas A&M, February 17, 1994.
- "Perceptions of soil degradation in Cochabamba, Bolivia: Implications for conservation and development," Latin American and Iberian Studies Program, University of Wisconsin, Madison, 1993.

- “Soil erosion in the Bolivia highlands, 1950-1990: The geography of environmental deterioration and conservation,” Department of Geography, University of California, Los Angeles, 1993.
- “Twentieth century history of soil erosion in highland Bolivia,” Department of Geography, Northern Illinois University, De Kalb, Illinois, 1992.
- “Andean ethnicity in the history and conservation of agricultural biodiversity,” Quichua Intensive Program, University of Wisconsin, Madison, 1992.
- “Regional political ecology and the development of wetland farming in highland Peru,” Department of Geography, University of California, Berkeley, 1990.
- “The geography of agricultural biodiversity and its conservation in the Peruvian sierra,” Department of Geography, University of Wisconsin, Madison, 1990.
- “Environmental degradation and conservation in the Andean highlands,” Institute of Latin American Studies University of North Carolina at Chapel Hill, 1989.
- “The deterioration of Latin American environments: Causes, consequences, and conservation,” Student Environmental Action Coalition Symposium, University of North Carolina at Chapel Hill, 1989.
- “The loss of biological resources in highland Peru,” Ecology Curriculum, University of North Carolina at Chapel Hill, 1989.
- “The ecology and management of biological resources in agricultural and rural development: Maize and potatoes in the Peruvian Andes,” Department of Geography, University of North Carolina at Chapel Hill, 1988.

### C) PRESENTATIONS AT CONFERENCES (2009-2020)

- 2020 “The political ecology of biodiversity and nutrition in relation to disease and health: Integrating critical social and environmental sciences.” Presentation in a panel session on ‘Agrobiodiversity as Emergent Governance and Well-Being’. Annual Meeting of the Association of American Geographers (AAG), Virtual Track 2; conducted virtually due to COVID-19 pandemic (April 10).
- 2020 Research Presentation, “Urban agriculture in the context of El Niño, climate change, and rapid urbanization: Survey results from urban cultivators in Piura, Peru.” Conference of Latin Americanist Geographers, Antigua, Guatemala (4 January 2020) (Bell, M., Zimmerer, K., Goluchowskac, K., Carlo, T., Ebersole, M., and R. Caneba).
- 2019 Invited Research Presentation, “Foods and waterworks of Imperial Spain, Africa, and Colonial New Worlds: Expanding the geographic knowledge systems of the Anthropocene’s Great Acceleration and alternatives,” International Congress of Environmental History Organizations, Florianópolis, Brazil (July 26).
- 2019 Research Presentation, “Agrobiodiversity amid global climate change and urbanization: Novel human-environment interactions related to food systems, diet, and nutrition,” Third Jack R. Harlan International Symposium Dedicated to the Origins of Agriculture and the Domestication, Evolution, and Utilization of Genetic Resources, Montpellier, France (June 7).
- 2019 Invited Flash Talk Presentation, “Global land change in the age of populist authoritarianism” in session on ‘Seeking solutions to land challenges of the

- Anthropocene: Land Systems Science at the Interface of Normative and Policy Concerns'. Global Land Programme Meeting, Bern, Switzerland (April 25).
- 2019 Invited Research Presentation, "From telecoupled spillovers and cascading to agri-food intensification, smallholder food/nutritional security, and biodiversity amid global changes (.....and back again)." In juried session on 'Emergent effects in telecoupled systems: Challenges and lessons for governing local land-use in a globally connected world.' Global Land Programme Meeting, Bern, Switzerland (April 25).
- 2019 "The political ecology of biodiversity and nutrition in relation to disease and health: Integrating critical social and environmental sciences." Research presentation in paper session on 'Political Ecologies of Health/Disease in Agrarian Settings II'. Annual Meeting of the Association of American Geographers (AAG), Washington, D.C. (April 5).
- 2019 "Land systems science perspectives on migration, displacement, and land." Research presentation (C. Radel, B. Jokisch, B. Schmook, M. Støen, K. Hermans, L. Carte, K.S. Zimmerer, S. Aldrich) in paper session on 'Seeking Solutions to Land Challenges of the Anthropocene: Land Systems Science at the Interface of Normative and Policy Concerns II'. Annual Meeting of the Association of American Geographers (AAG), Washington, D.C. (April 5).
- 2019 "Dirt matters: Political ecologies of soil and development." Discussant, Annual Meeting of the Association of American Geographers (AAG), Washington, D.C. (April 5).
- 2019 "Critical physical geography and agrarian transformations II." Panelist, Annual Meeting of the Association of American Geographers (AAG), Washington, D.C. (April 4).
- 2018 Juried Research Presentation, "Determinando y promoviendo soluciones sostenibles para la biodiversidad, agua y seguridad alimentaria entre el Cambio Climático y la acelerada urbanización en Perú", co-author of team presentation delivered by Martha Bell, Congreso Latinoamericano de Investigación y Educación Superior Interdisciplinaria (IEI), PUCP, Lima, Peru (September 21).
- 2018 Juried Research Presentation, "La interculturalidad en el estudio de la agrobiodiversidad, nutrición y cambio climático en los andes centrales peruanos", co-author of team presentation delivered by Milka Tello Villavicencio Congreso Latinoamericano de Investigación y Educación Superior Interdisciplinaria (IEI), PUCP, Lima, Peru (September 21).
- 2018 Invited Discussant Presentation, "Variability that lives: Ecological, political, and social adaptations to different environmental zones of South America," Organizers Sadie Weber and Solsire Cusicanqui Marsano; 8 Papers. Society of American Archaeology (SAA), Washington, D.C. (April 14).
- 2017 "Agrobiodiversity and sustainability in the 21st Century: Necessary as the analytic nexus or the next anthem of future agroecology and food systems?" with Stef de Haan, Research Presentation in Session on Agrobiodiversity and Traditional Knowledge: Conservation Strategies and Sustainable Development. Meeting of the Society for Economic Botany (SEB), Bragança, Portugal (June 6).

- 2017 “Ordenamiento territorial (Territorial Ordering) and land use planning: Multi-scale strategies for environmental governance and management.” Research Presentation in Session on State Institutions and Governance Responses to Extractive Industries. XXXV International Congress of the Latin American Studies Association (LASA), Lima, Peru (April 30).
- 2017 “Global, multi-scale telecoupling of smallholder land use and livelihoods: Social-ecological analyses of decision-making, vulnerability, and resilience.” Research Presentation in Session on Telecoupling, People and Landscapes among Distant Places around the World. U. S. Regional Association for the International Association for Landscape Ecology (US-IALE), Baltimore, April 10.
- 2017 “Resilience, Food, and Agriculture: Social-Ecological Frameworks for Sustainability and Social Justice III - Governance & Adaptive Capacity.” Discussant, Annual Meeting of the Association of American Geographers (AAG), Boston, April 8.
- 2017 “Sustainable Territories-I? National Spatial Planning and Zonation for Environmental Governance in Latin America and China.” Panelist & Organizer (with Jia-Ching Chen, UC Santa Barbara), Annual Meeting of the Association of American Geographers (AAG), Boston, April 7.
- 2017 “Sustainable Territories-II? Local and Transnational Territorializations for Environmental Governance.” Discussant, Chair, & Organizer (with Jia-Ching Chen, UC Santa Barbara). Annual Meeting of the Association of American Geographers (AAG), Boston, April 7.
- 2017 “Theorizing Land Science.” Discussant, Annual Meeting of the Association of American Geographers (AAG), Boston, April 6.
- 2017 “Institutional Resilience in Social-Ecological and Political Systems: Designing Ethnographic, Embedded, and Environmental Approaches at Multiple Levels.” Discussant, Annual Meeting of the Association of American Geographers (AAG), Boston, April 6.
- 2017 “Linking biodiversity in agri-food systems to major pathways of livelihood change, justice, and resource ecology in transformations amid global change.” Research Presentation in Paper Session on ‘Changing Land Use, Changing Livelihoods: Smallholders Today’. Annual Meeting of the Association of American Geographers (AAG), Boston, April 5.
- 2016 “Global, multi-scale telecoupling of smallholder land use and livelihoods: Social-ecological analyses of trade-offs, risk, and vulnerability.” Research Presentation, Global Land Project 3rd Open Science Meeting, Beijing, China (October 25).
- 2016 “Remoteness and the evolution of agrobiodiversity in the Andes: Tracing the cultural spaces of human-environment knowledge.” Northeast Conference on Andean and Amazonian Archaeology and Ethnohistory (NCAAEE) Harvard University, Cambridge, Mass. (October 16).
- 2016 “Ordenamiento Territorial in Latin America: Transnational ideas and national developments of spatial and environmental planning.” XXXIV International Congress of the Latin American Studies Association (LASA), New York, New York. (May 29).

- 2015 “Rethinking the intensification of global land use and food systems through geographic concepts, analysis, and insights,” Research Paper Presentation, Annual Meeting of the Association of American Geographers, Chicago (April 22).
- 2015 “Agrobiodiversity and Food Security/Sovereignty: Roundtable on concepts, methods, and measurement,” Panelist, Annual Meeting of the Association of American Geographers, Chicago (April 21).
- 2015 “Agrobiodiversity and Food Security/Sovereignty: Roundtable on concepts, methods, and measurement,” Discussant, Annual Meeting of the Association of American Geographers, Chicago (April 21).
- 2015 “New approaches to coupling human and water dynamics,” Discussant, Annual Meeting of the Association of American Geographers, Chicago (April 24).
- 2015 Political Ecology and Social-Ecological Interactions of Food Production and Systems: Social and Ecological Sustainability,” Sessions I-VI, Organizer, Annual Meeting of the Association of American Geographers, Chicago (April 21-22).
- 2015 “Can citizen science accelerate climate adaptation by poor farming households?” (with J. van Etten et al.), Climate-Smart Agriculture Global Science Conference, Montpellier, France (March 16).
- 2015 “Pathways of intensification and potential compatibility of agrobiodiversity: Smallholder land systems and livelihoods.” 2015 Annual Meeting of the American Association for the Advancement of Science (AAAS), San Jose, CA (February 13).
- 2014 “Análisis del Ordenamiento Territorial: Paradigma y modelo de planificación y/o diseño de solucionar problemas socio-medio ambientales,” Research Paper Presentation, International Congress on Ordenamiento Territorial, Sociedad Geográfica de Lima, Cuzco, Peru (August 15).
- 2014 “Policies, politics, and planning approaches in resource extraction: Ordenamiento Territorial in Peru,” Congress of the Latin American Studies Association (LASA), Chicago (May 22).
- 2014 “Searching for alternatives to Bolivia's extractive economy: Remembering and celebrating Ben Kohl,” Research Paper Presentation, Annual Meeting of the Association of American Geographers, Tampa, Florida (April 9).
- 2014 “The historical political ecology of knowledge and the emergence of new landscape models in tropical mountains: The case of Andean South America,” Research Paper Presentation, Annual Meeting of the Association of American Geographers, Tampa, Florida (April 9).
- 2014 “Spatial patterning and interactions of land use in complex, high-agrobiodiversity smallholder landscapes.” 2014 Global Land Project Meeting, Humboldt University, Berlin, Germany (March 21).
- 2014 “Global agrobiodiversity hotspots and challenges for sustainable development.” 2014 Annual Meeting of the American Association for the Advancement of Science (AAAS), Chicago (February 15).
- 2013 “Markets, cultures, ecology, seeds: Rethinking “public” and “private” in agrobiodiversity governance.” Annual Meeting of the American Anthropological Association (AAA), Chicago (November 21).

- 2013 "New landscape knowledge in Andean Colonialism: The emergence of novel geographic frameworks through ethnohistorical interactions. Northeast Conference on Andean Ethnohistory (NCAE), Yale University, New Haven, (November 17).
- 2013 "Spatial-environmental knowledge and resource conflicts-coordination in Spanish Andean Colonialism," in session on Historical Resource Conflicts and Coordination: Political Ecologies of Past Landscapes-1 (Colonial Period), Congress of the Latin American Studies Association (LASA), Washington, D.C. (May 30).
- 2013 "Migration, urbanization, and water resources at the crossroads of agrobiodiversity change: Contradictions or compatibilities?" Research Paper Presentation, Annual Meeting of the Association of American Geographers, Los Angeles (April 11).
- 2013 "Geographies of Hope Symposium 5: Gaining ground? Geographies of viable, equitable agricultures (& the seeds thereof)," Panelist Presentation, Annual Meeting of the Association of American Geographers, Los Angeles (April 11).
- 2013 "Biodiversity conservation and compatibility with agricultural intensification-II: Advances of the social-ecological sciences for sustainability and food security," Research Paper Presentation, Annual Meeting of the Association of American Geographers, Los Angeles (April 10).
- 2013 "Biodiversity conservation and compatibility with agricultural intensification-I: Advances of the social-ecological sciences for sustainability and food security," Discussant, Annual Meeting of the Association of American Geographers, Los Angeles (April 10).
- 2013 "Political ecologies of resource extraction and indigeneity in the Americas," Research Paper Presentation, Annual Meeting of the Association of American Geographers, Los Angeles (April 9).
- 2013 "Who Speaks For the Climate," Panelist Presentation, Annual Meeting of the Association of American Geographers, Los Angeles (April 9).
- 2012 "Biofuels in Bolivia and Peru: Political economies and ecology of agriculture, energy, resources, and development in Western South America." In panel on Biofuels and Agricultural Governance in Latin America, Renata Andrade, Organizer, Congress of the Latin American Studies Association (LASA), San Francisco (May 26).
- 2012 "Political ecology and geography: Political Ecology: Keeping Connections in the Field," Panelist, noBoundaries Graduate Student Conference, Pennsylvania State University (March 31).
- 2012 "Perspectives on the Smithsonian Institution Indigenous GEO Initiative." Planning Workshop, Interinstitutional Consortium on Indigenous Knowledge/ICIK, Pennsylvania State University (March 16)
- 2012 "Biodiversity and food in the context of development and climate change-II," Panel Introducer and Organizer, Annual Meeting of the Association of American Geographers, New York City (February 27).
- 2012 "Conflicts, contrasts, and connections in the politics and policies of land/land use in the Andes and Amazon of Bolivia." Research Paper, Annual Meeting of the Association of American Geographers, New York City (February 26).

- 2012 “Socio-environmental conflicts II: the Andes,” Panel Discussant, Annual Meeting of the Association of American Geographers, New York City (February 25).
- 2011 “Models and mapping of land use, landscapes, and cultural-environmental diversity in Peru: The legacy of Javier Pulgar Vidal.” Research Paper, Northeast Conference on Andean Archaeology & Ethnohistory, Peabody Museum, Philips Andover Academy, Andover, Massachusetts (October 15).
- 2011 “*Kawsay* as an indigenous concept of food rights and development politics: Advancing the geographies of social environmental justice in the Andean countries.” Presentation and Discussion, Geographies of Justice: An Interdisciplinary Symposium, Department of Geography, The Pennsylvania State University (October 1).
- 2011 “Ideologies and spaces of organic dairy: Implications for alternative food systems.” Research Paper, Annual Meeting of the Association of American Geographers, Seattle (April 14).
- 2011 “The cultivation and conservation of biological diversity,” Panel Discussant, Annual Meeting of the Association of American Geographers, Seattle (April 14).
- 2011 “Annals Editorial Board session”; “Meet the Editors of the Annals and the Professional Geographer” and “How to be an Editor for the Association of American Geographers”, Panel Discussant in a group of three special sessions, Annual Meeting of the Association of American Geographers, Seattle (April 13 and April 15).
- 2010 “Mapping the Andes and Peru during the national period: Pulgar Vidal and land use planning and policy.” Congress of the Latin American Studies Association (LASA), Toronto (October 9).
- 2010 “Water resources, agriculture, and food in local livelihoods: Resilience and limits in irrigation landscapes.” Research Paper, Annual Meeting of the Association of American Geographers, Washington, D.C. (April 15).
- 2010 “Mapping Latin America,” Panel Discussant, Annual Meeting of the Association of American Geographers, Washington, D.C. (April 16).
- 2010 Session Discussant, Latin America & Social Sustainability, noBoundaries Graduate Student Conference, Penn State University (21 March 2010).
- 2009 “Environmental management trends and political regimes in Latin America since 1985.” Plenary LASA-organized presentation on “Contemporary Debates on Ecology, Culture, and Society in Latin America, organizers Marianne Schmink and José R. Jouve-Martín. International Congress of the Latin American Studies Association (LASA), Río de Janeiro, Brazil (June 11).
- 2009 “Trends in the policies and political ecology of agriculture and food related to environmental conservation and management trends in Latin America.” Joint Annual Meeting of the Agriculture, Food and Human Values Society (AFHVS) and the Association for the Study of Food and Society (ASFS), Pennsylvania State University, State College, Pennsylvania (May 29).
- 2009 “Agrobiodiversity Research: Retrospective and Prospectus.” Annual Meeting of the Association of American Geographers, Las Vegas (March 24).

2009 Invited Discussant, "The Geography of Science," Annual Meeting of the Association of American Geographers, Las Vegas (March 26).

**RESEARCH WORKSHOPS AND MEETINGS, LEADERSHIP, PRESENTATIONS, AND PARTICIPATION; EXPERTS MEETINGS; ORGANIZED FIELD TRIPS; SITE VISITS FOR TRAINING AND STUDENT INTERNSHIPS**

**See also the section on "RECENT PROFESSIONAL DISTINCTIONS", page 3**

- 2020 Participant and Presenter, Virtual Research Workshop, Annual Meeting of the Community of Practice (CoP) of Grantees, McKnight Foundation. (July 6-16).
- 2020 Participant, Virtual Research Workshop and Panels, "Rural society and food questions in Latin America facing COVID 19" (La sociedad rural y las cuestiones alimentarias de América Latina frente al COVID-19), ALASRU, and FLACSO, Montevideo and Quito. (June 4, 11, 18).
- 2020 Participant, Virtual Mini-Workshops, "Impacts of COVID-19 on small-scale farming" (Impactos del COVID 19 en la agricultura familiar), Centro Bartolomé de las Casas, Cusco, Peru. (May 20).
- 2020 Participant, Virtual Mini-Workshops, "Sustainable post-COVID-19 recovery: The role of agriculture and rural areas." FAO Series on COVID 10 and Food Systems in Latin America and the Caribbean. UN FAO, Santiago, Chile. (April 16, 23, 30; May 7, 14, 21, 28; 4, June 11, 18 25).
- 2019 Site Visits and Experts Meetings, "Agrobiodiversity, global urbanization, and climate change." Hong Kong, Hanoi, and Shenzhen including Peri-Urban Food-Producing Areas (December 12 - 24).
- 2019 Participant, Research Workshop on "Diverse pathways to nourishment: Understanding how agricultural biodiversity enhances food security and nutrition-II." National Socio-Environmental Synthesis Center (SESYNC) and NSF, Annapolis, Maryland (October 28 - November 2).
- 2019 Lead Co-PI, Led Research Workshop on "Linkages of agrobiodiversity in urban systems and food producing landscapes-III." National Socio-Environmental Synthesis Center (SESYNC) and NSF, Annapolis, Maryland (October 23-25).
- 2019 Participant, NSF SESYNC Research-Practitioner Workshop on "(Agrobio)Diverse pathways to nourishment." Monticello Heritage Harvest Festival at Monticello National Park, Charlottesville, Virginia (September 21).
- 2019 Lead Co-PI, Co-Led Research Workshop on "Linkages of agrobiodiversity in urban systems and food producing landscapes-II." National Socio-Environmental Synthesis Center (SESYNC), Annapolis, Maryland (February 12-14).
- 2018 Participant, "Potato industry discussion." Dean Richard Roush, College of Agricultural Sciences, Pennsylvania State University (December 13).
- 2018 Lead Co-PI, Designed and Co-Led Research Workshop on "Linkages of agrobiodiversity in urban systems and food producing landscapes-I." National Socio-Environmental Synthesis Center (SESYNC), Annapolis, Maryland (Sept 25-28).
- 2018 Participant, Research Workshop on "Diverse pathways to nourishment: Understanding how agricultural biodiversity enhances food security and nutrition-



- I." National Socio-Environmental Synthesis Center (SESYNC), Annapolis, Maryland, (September 24).
- 2018 Designed and Led Organized Field Trip, "Food and water systems in an intentional community," Julian, Pennsylvania; Workshop on Nature-Society Geography, Pennsylvania State University. (September 22).
- 2018 Participant, Research Panel on "Land + Resource Geographies," Workshop on Nature-Society Geography, Penn State University (September 21).
- 2018 Organized Field Trip, Potato Park (Parque de la Papa), Cusco, Peru. June 2.
- 2018 Roundtable Research Workshop, "Paisajes agroalimentarias, biodiversidad, y sostenibilidad," Institute of Regional Development and the Science and Culture Unit, University of Granada, Granada, Spain (14 June)
- 2018 Invited Research Workshop, "Outlooks to outcomes: Interdisciplinary approaches to land-based livelihoods and land use change," Global Development Policy Center, Boston University (May 4)
- 2018 Invited Field Research Workshop, "Systems of biodiversity, water, and food security amid climate change and rapid urbanization in Peru." Workshop at Field Sites involving faculty of Pennsylvania State University and PUCP, Lima and Piura, Peru (April 2-7)
- 2017 Organizer and Participant, Research Workshop on "Investigating and advancing sustainability of biodiversity, water, and food security amid climate change and rapid urbanization in Peru." Virtual Workshop, Faculty of Pennsylvania State University and PUCP, Lima, Peru (October 20, 27)
- 2017 Invited Participant, Research Workshop on "Land use/cover change in the tropical Andes during the 21st century; Patterns, drivers, future scenarios and research agenda," Mountain Research Initiative, Quito, Ecuador (September 26-30).
- 2017 Participant, Research Panels on "Agroecology and environmental futures" and "Critically visualizing N/S geographies," Workshop on Nature-Society Geography, Clark University, Worcester, Mass. (September 15-16).
- 2016 Co-Organized Field Organized Field Trip with Nathan J. Clay on "Climate change, land use, agrobiodiversity, seed systems," Rwanda. (December 7-15).
- 2016 Member Participant (also Lead/Co-Organizer), Research Workshop on "Agrobiodiversity in the 21st century: Foundations and Integration for Sustainability," Strüngmann Forum, University of Frankfurt, Germany. (October 2-7).
- 2016 Invited Participant, Organized Field Trip on "Identifying models for fostering biocultural diversity in landscapes through alternative food networks," Noto Peninsula, Japan. (March 11-13).
- 2016 Invited Participant, Research Workshop on "Identifying models for fostering biocultural diversity in landscapes through alternative food networks," United Nations University, Tokyo. (March 9-10).
- 2014 Invited Participant, Research Workshop on "Resilience and development," Atkinson Center for a Sustainable Future, Oxfam America, and Department of Development Sociology, Cornell University, Ithaca, NY. (October 24).
- 2014 Invited Participant, Research Workshop on "Sustainable futures for Europe's heritage in cultural landscapes," University of Amsterdam. (September 23-25).

- 2014 Invited Participant, Workshop on “Socio-environmental synthesis research proposal writing,” National Socio-Environmental Synthesis Center (SESYNC) Research Workshop, Annapolis, Maryland (January 15-16).
- 2013 Invited Participant, Experts Meeting on “Rights to resilience,” Oxfam America, Washington, D.C. (March 7-8).
- 1979 Undergraduate Student Internship: The Land Institute, Salina, Kansas.
- 1978 Upland Research Laboratory, Great Smokey Mountain National Park, Gatlinburg, Tennessee.
- 1977 National Center for Appropriate Technology, Butte, Montana.
- 1977 Social Ecology Program, Goddard College, Montpelier, Vermont.

### LANGUAGE EXPERTISE IN RESEARCH AND TEACHING

Spanish (Fluent, Advanced Reading, Advanced Writing); Quechua (Moderate Fluency); German (Basic Speaking, Moderate Reading and Writing)

### UNIVERSITY TEACHING AND SUPERVISION OF GRADUATE STUDENTS, THESES, AND POST-DOCTORAL FELLOWS

#### A) COURSES AND SEMINARS (2007-)

Current Teaching (Fall 2020): Research in Geography/Geog 500 (12 students)

Recent Teaching (with student ratings): Future of Food/Geog 3 (Spring 2020; 71 students; SRTE for instructor = 4.29 of 7.0; SRTE for course = 3.23 of 7.00); First-Year Seminar: Food, Society, and the Environment /EMSC 100 (Fall 2019; SRTE for instructor = 6.50 of 7.0; SRTE for course = 5.75 of 7.00); Research in Geography/Geog 500 (Fall 2019; SRTE for instructor = 7.00 of 7.0; SRTE for course = 6.40 of 7.00); Seminar in Human Environment Geography/Geog 500 (Spring 2018; SRTE for instructor = 6.83 of 7.0; SRTE for course = 6.00 of 7.00); Human Use of the Environment/ Geography 430 (Fall 2018; SRTE for instructor = 6.0 of 7.0; SRTE for course = 5.83 of 7.00); Research in Geography/Geog 500 (Fall 2018; SRTE for instructor = 6.83 of 7.0; SRTE for course = 6.00 of 7.00)

General Teaching at the Undergraduate Introductory Level: First-Year Seminar (EMSC 100); Future of Food (Geog 3); Geographic Perspective on Sustainability and Human-Environment Systems (Geog 30) (Penn State, 2010, 2012, 2017, 2018, 2019)

General Teaching at the Undergraduate Intermediate and Advanced Levels: Human Use of the Environment (Penn State, 2011, 2012, 2014, 2016, 2017, 2018)

General Teaching at the Graduate Level: Seminar in Integrative Human-Environment Research: Social-Ecological Systems and Political Ecology (Penn State, 2009, 2012, 2014, 2017, 2019); Research in Geography (Penn State, 2007-14; 2016-2019)

#### B) PREVIOUS COURSES AND SEMINARS (1988-2007)

General Teaching at the Undergraduate Introductory Level: Environmental Conservation (Geog/IES 339; UW-Madison); Introductory Physical Geography

(Geog 120); Introductory Human Geography/Regional Geography (Geog 20, UNC Chapel Hill) (UW-Madison, 1990-2007; UNC Chapel Hill, 1988-1990)

General Teaching at the Undergraduate Intermediate and Advanced Levels:

Environmental Conservation (Geog/IES 339; UW-Madison); Human Role in Changing the Face of the Earth (Geog/IES 303; UW-Madison); Environmental Conservation and Resources in Developing Countries (Geog/IES 539; UW-Madison); Geography of Latin America (Geog 533; UW-Madison); Landscape Biogeography (Geog 144; UNC Chapel Hill) (UW-Madison, 1990-2007; UNC Chapel Hill, 1988-1990)

General Teaching at the Graduate Level: Seminar in Integrative Human-Environment Research: Social-Ecological Systems and Political Ecology; Research in Geography (UW-Madison, 1990-2007; UNC Chapel Hill, 1988-1990)

### **C) INDIVIDUALIZED UNDERGRADUATE AND GRADUATE COURSE INSTRUCTION (PAST 2 YEARS)**

Spring 2020: Independent Studies, 1 student (Geog 496); Ph.D Dissertation Full-Time, 4 students (Geog 601); Ph.D Dissertation Part-Time, 1 student (Geog 611)

Fall 2019: Independent Studies, 2 students (Geog 496); Ph.D Dissertation Full-Time, 4 students (Geog 601); Ph.D Dissertation Part-Time, 1 student (Geog 611)

Spring 2019: Independent Studies, 1 student (Geog 496); Ph.D Dissertation Full-Time, 5 students (Geog 601); Ph.D Dissertation Part-Time, 1 student (Geog 611)

Fall 2018: Individual Studies, 1 student (Geog 596); Graduate Thesis Research, 1 student (Geog 600); Ph.D Dissertation Full-Time, 4 students (Geog 601); Ph.D Dissertation Part-Time, 1 student (Geog 611)

Summer 2018: Graduate Thesis Research, 4 students (Geog 600); Ph.D Dissertation Full-Time, 1 student (Geog 601)

Spring 2018: Undergraduate Research Honors, 1 student (Geog 494H); Graduate Independent Studies, 4 students (Geog 596); Graduate Thesis Research, 4 students (Geog 600); Ph.D Dissertation Full-Time, 3 students (Geog 601); Ph.D Dissertation Part-Time, 1 student (Geog 611) ; Independent Study (1 student)

Fall 2017: Undergraduate Research Honors, 1 student (Geog 494H); Graduate Independent Studies, 6 students (Geog 596); Graduate Thesis Research, 3 students (Geog 600); Ph.D Dissertation Full-Time, 5 students (Geog 601); Ph.D Dissertation Part-Time, 1 student (Geog 611)

Spring 2017: Undergraduate Research, 1 student (Geog 494); Undergraduate Teaching Internship, 1 student (Geog 495); Undergraduate Independent Studies, 1 student (Geog 496); Graduate Independent Studies, 4 students (Geog 596); Graduate Thesis Research, 2 students (Geog 600); Ph.D Dissertation Full-Time, 5 students (Geog 601)

### **D) NON-CREDIT INSTRUCTION AND COURSES TAUGHT (past 2 years)**

Invited panelist for film screening and discussion of "Dolores: Rebel, Activist, Feminist, Mother", 4 undergraduate courses, Penn State (25 October 2018)  
<https://www.studentfarm.psu.edu/2018/10/15/film-screening-and-panel-discussion/>

## E) STUDENT THESIS AND GRADUATE SUPERVISION AND COMMITTEES

### (i) Supervision as Adviser of Student Theses

#### (a) Major Advisor of the Undergraduate Honors Thesis

Julia Higson (Pennsylvania State University, Schreyer Honor's College, Geography, 2017-18; Thesis, "The recent development of urban agriculture in Japan: Alternative food movements and urban planning"; Thesis completed May 2018)  
David Knoppers (Pennsylvania State University, Schreyer Honor's College, Geography, 2012)  
Rebecca Baker (Pennsylvania State University, Schreyer Honor's College, 2011)  
Neela Nandyal (UW-Madison, Geography, 2002)

#### (b) Major Advisor/Supervisor of the M.A. and M.S.

Megan Baumann (2015-2017; Penn State, Geography, degree awarded in 2017)  
Ramzi Tubbeh (2015-2017; Penn State, Geography, degree awarded in 2017)  
Ashlee Adams (2013-2015; Penn State, Geography, degree awarded in 2015)  
Sara Cavallo (2013-2015; Penn State, Geography, degree awarded in 2015)  
Russell Hedberg (2011-2013, Penn State, Geography, degree awarded in 2013)  
Anna Shamey (2009-2011; Penn State, Geography, degree awarded in 2011)  
Kevin Hillmer-Pegram (Penn State Geography, degree awarded in 2011)  
Brentley Moats (Penn State, Geography, degree awarded in 2009)  
Martha Bell (UW-Madison, 2006); Stephanie Larson (UW-Madison, 2003); Diana Downes (UW-Madison, 2003); Ryan Galt (UW-Madison, 2001); Billie Ediger (Latin American Studies (LACIS), UW-Madison, 2001); Ankur Tohan (UW-Madison, 2000); Eric Carter (UW-Madison, 1999); Jenifer Cesca (UW-Madison, 1998); David Neidel (UW-Madison, 1997); Fernando González (UW-Madison, 1995); Tania Schoennagel (UW-Madison, 1994); José Ariel Guarachi Montán (2009-, AGRUCO-UMSS, Cochabamba, Bolivia) (Co-Adviser); Franz Oliver Casilla Loza (AGRUCO-UMSS, Cochabamba, Bolivia) (Co-Adviser); Paula Gutiérrez Burga (2009-, AGRUCO-UMSS, Cochabamba, Bolivia) (Co-Adviser)

#### (c) Major Advisor/Supervisor of the Ph.D. (Current appointments or employment shown)

Zachary Goldberg (2019-), Interactions of land use, food security, and energy development in Pennsylvania  
Megan Baumann (2015-), Irrigation mega-project and soil and water resources: Socio-Environmental analysis and food security in Colombia  
Marie Louise Ryan (2016-), Intersectional analysis and feminist political ecology of seed systems in the context of migration, Nepal  
Gabriel Tamariz (2016-), Agrobiodiversity change in Drug War landscapes, Mexico  
Ramzi Tubbeh (2015--), Environmentality and interbasin irrigation: Rescaling and contesting the construction of landscapes and citizens, Peru

- Sara Cavallo (2013-), Geography, the political agronomy of plant disease and the agrobiodiversity of bananas, Uganda
- Yooinn Hong (2012-), Home garden agrobiodiversity amid livelihood and landscape changes in East Asia.
- Emma Mullaney (2009-, planned completion 2018-19), Peasant persistence, maize diversity, and agricultural development in Mexico's Central Highlands (Visiting Assistant Professor of International Relations, Bucknell University).
- Russell Hedberg (Ph.D, Penn State, 2018), Alternative food systems, soil phosphorus, and sustainability linked to the regional farmer's market network, New York City, USA (Assistant Professor, Department of Geography; Director, Sustainability Institute, Shippensburg State University, Pennsylvania)
- Nathan Clay (Ph.D, Penn State, 2017) Adaptive livelihoods? Climate change, agrobiodiversity, and food security amid development transitions in Rwanda (Post-Doctoral Scientist, Oxford University, UK).
- Martha G. Bell (Ph.D, Penn State, 2013) Technology change, food and water flows, and landscape transformation in colonial Peru. (Current Position, Assistant Professor, Center for Geographical Research and Analysis, Pontifical Catholic University of Peru/PUCP, Lima, Peru).
- Fernando L. González (Ph.D, UW-Madison, 2009) Socio-environmental dynamics and history of the biological invasion of pasture grasses: The case of kikuyu grass in Southern Peru. (Lecturer, Center for Geographical Research and Analysis, Pontifical Catholic University of Peru/PUCP, Lima, Peru).
- Ryan Galt (Ph.D, UW-Madison, 2006) Political Ecology and the Pesticide Paradox: Markets, Pesticide Use, and Human-Environment Relations in Costa Rican Agriculture. (Current Position, Professor, University of California, Davis)).
- Eric D. Carter (Ph.D, UW-Madison, 2005) Social-Environmental Dynamics of Malaria Eradication and Land Use/Land Cover Change in Northwest Argentina, 1900-Present. (Current Position, Associate Professor and Holder of the Edens Professorship in Global Health, Geography Department, Macalester College).
- Christopher John Rosin (Ph.D, UW-Madison, 2004) Social and Environmental History of the MERCOSUR Trade Pact (Paraguay, Brazil, Argentina) with Emphasis on Recent Impacts and Development of Yerba Mate. (Current Position, Senior Lecturer, Lincoln University, New Zealand).
- Christian Brannstrom (Ph.D, UW-Madison, 1998) After the Forest: Environment, Labor, and Agro-Commodity Production in Southeastern Brazil. (Current Position, Professor, Texas A&M University).
- Antoinette M.G.A. WinklerPrins (Ph.D, UW-Madison, 1999) "Between the Floods: Soils and Agriculture on the Lower Amazon Floodplain, Brazil." (Current Position, Program Director, National Science Foundation, Associate Professor, Michigan State University, 1999-2008).

**(ii) Member, Thesis Committee**

(a) Member of M.S. and M.A. Committee (Geography unless noted)

Penn State: Hannah Caudill (2019-); Saumya Vaishnava (2020); Ryan Naylor (2020; Recreation, Parks, and Tourism Management); Zachary Goldberg (2019); Eden Kincaid (2017); Bruno Muncher (Energy and Mineral Engineering, 2016); Carolyn Booth Reyes (Agricultural Economics and Rural Sociology, 2016); Erica Hann (2015); Eric Tabor (2015); Vincent Ricciardi (2014); Catherine Jampel (2013); Ellie Andrews (2012); Lauren Anderson (2011); UW-Madison: Abby Hickcox (IES, Land Resources, 2007); Eugenia Podesta (Latin American, Iberian, and Caribbean Studies, 2006); Margaret Buck (IES, Environmental Monitoring, 2005); Carla Sabine Friedrich (IES, Land Resources, 2005); Neela Nandyal (2004); Michelle Schenk (2003); Jennifer Ewald (2003); Craig Ficenic (IES, Environmental Monitoring, 2003); Benjamin Sheehan (Geography, 2002); Daniel Mensher (2002); Peter Moreno (IES, Conservation Biology, 2002); Benjamin Sheehan (IES-Water Resources, 2002); Mathew Early (Latin American Studies (LACIS), 2002); Alexis Zubrow (2001); Theodore Hoppenstadt (2001); Christopher MacGuire (Latin American Studies (LACIS), 2001); Brian Seasholes (2000); Karen Archabald (2000); Alex Persons (1999); Sharon Lee (1998); Ken Birnbaum, Institute for Environmental Studies (1995); Louis Carlo (1995); Jill Fisher, Latin American and Iberian Studies (1994); Mrill Ingram (1991); Mark Keating, Institute for Environmental Studies (1995); Joseph McCann (1993); Peter Newell (1995); Suzy Svatek (1994); Annmarie Terraciano (1994); Ellen Weber (1993); University of North Carolina at Chapel Hill: Mark Sidaway (1990)

(b) Member of Ph.D Thesis Committee

Jacquelyn Weir (Penn State, Geography, 2019-)  
Karan Misquitta (Penn State, Geography, 2019-)  
Michelle Ritchie (Penn State, Geography, 2019-)  
Carolyn Reyes (Penn State, Agricultural Economics, Sociology, and Education, 2018-)  
Mara Vivanco (Penn State, Agricultural Economics, Sociology, and Education, 2016-)  
Arie Sanders (Penn State, Agricultural Economics, Sociology, and Education, Ph.D 2019)  
Daniel Knuches (Penn State, Geography, 2008-; Ph.D 2019)  
Nari Senanayake (Penn State, Geography 2014-2018; Ph.D 2018)  
Christian Man (Penn State, Agricultural Economics, Sociology, and Education, 2015-; Ph.D 2018)  
Abou Traore (Penn State, Agricultural Economics Sociology, and Education, 2015-, Ph.D 2018)  
Kayla Yurco (Ph.D, Penn State, Geography, 2011-2017; Ph.D 2017)  
Li-San Hung (Ph.D, Penn State, Geography, 2013-2016; Ph.D 2016)  
Jamie Shinn (Ph.D, Penn State, Geography, 2010-2015; Ph.D 2015)  
Rahma Adam (Ph.D, Penn State, Agricultural Economics and Rural Sociology, Ph.D 2014)  
Kristal Jones (Ph.D, Penn State, Agricultural Economics and Rural Sociology, 2009-2013, Ph.D 2013)

J. Dara Bloom (Ph.D, Penn State, Agricultural Economics and Rural Sociology, 2009-2013, Ph.D 2013)  
Margaret Mwangi (Ph.D, Penn State, Geography, 2004-2012; Ph.D 2012)  
Jeremy Fisher (Ph.D, Penn State, Geography, 2008-2012, Ph.D 2012)  
Peter Howe (Ph.D, Penn State, Geography, 2007-2012, Ph.D 2012)  
Jamil Bey (Ph.D, Penn State, Geography, 2007-2011; Ph.D 2011)  
Myriam Paredes (Rural Development Sociology and Agrarian Technologies, Wageningen University, Netherlands, 2007-2010; Ph.D 2011)  
Margaret Buck Holland (Conservation Biology and Sustainable Development, Nelson Institute of Environmental Studies, University of Wisconsin – Madison, 2009)  
Kevin Coffey (Conservation Biology, Columbia University, 2004-07; Ph.D 2007)  
Jacob van Etten (Technology and Agrarian Development, Wageningen University, Netherlands, 2006)  
Christopher Duvall (Geography, University of Wisconsin – Madison, 2006)  
Mara Goldman (Geography, University of Wisconsin – Madison, 2006)  
Arthur Scaritt (Sociology, University of Wisconsin – Madison, 2005)  
Kristine Kuhlman (Institute of Environmental Studies, Land Resources/GIS and Monitoring, University of Wisconsin – Madison, 2005)  
Morgan Robertson (Geography, University of Wisconsin – Madison, 2004)  
Kelly Knudson (Anthropology, University of Wisconsin – Madison, 2003)  
Steve Wernke (Anthropology, University of Wisconsin – Madison, 2003)  
Joseph McCann (Geography, University of Wisconsin – Madison, 2003)  
Jeremiah Kitunda (History, University of Wisconsin – Madison, 2003)  
William G. Gartner (Geography, University of Wisconsin – Madison, 2002)  
Eric Wood (Inst. Environmental Studies, Environmental Monitoring, University of Wisconsin – Madison, 2002)  
Eduardo Zegarra (Agricultural and Resource Economics, University of Wisconsin – Madison, 2002)  
Eduardo Kohn (Anthropology, University of Wisconsin – Madison, 2002)  
Francis Hutchins (Anthropology, University of Wisconsin – Madison, 2002)  
Francisia Seda (Development Studies, University of Wisconsin – Madison, 2001)  
Susy S. Ziegler (Geography, University of Wisconsin – Madison, 1999)  
Drew Ross (Geography, University of Wisconsin – Madison, 1999)  
Trevor Burwell (Geography, University of Wisconsin – Madison, 1998)  
Sarah Brooks (Geography, University of Wisconsin – Madison, 1998)  
Heidi Glaesel (Geography, University of Wisconsin – Madison, 1997)  
Duane Griffin (Geography, University of Wisconsin – Madison, 1997)  
Robert Langstroth (Geography, University of Wisconsin – Madison, 1996)  
Michael Castellon (Geography, University of Wisconsin – Madison, 1996)  
Peter Newell (Geography, University of Wisconsin – Madison, 1995)  
Laurie Greenberg (Geography, University of Wisconsin – Madison, 1995)  
Oliver Coomes (Geography, University of Wisconsin – Madison, 1994)  
Martha Geores (1993) (UNC advisee, Professor, University of Maryland, since 1994)

**(iii) Member, Ph.D Qualifying/Candidacy Exam Committee (non-advisee students only)**

Connor Chapman (2020, Geography, Penn State); Susan Kotikot (2020, Geography, Penn State); Chanel Lange-Maney (2020, Geography, Penn State); Carolyn Reyes (2019, Penn State, Agricultural Economics, Sociology, and Education); Jacklyn Weir (2019, Geography, Penn State); Karan Misquitta (2019, Geography, Penn State); Mikael Hiestand (2018, Geography, Penn State); Courtney Jackson (2018, Geography, Penn State); María Vivanco (2018, Penn State, Agricultural Economics, Sociology, and Education); Jamie Peeler (2017, Geography, Penn State); Carolynne Hultquist (2017, Geography, Penn State); Abou Traore (2016, Penn State, Agricultural Economics, Sociology, and Education); Kelsey Brain (2016, Geography, Penn State); Ashlee Adams (2015, Geography, Penn State); Sara Cavallo (2015, Geography, Penn State); Nari Senanayake (2014, Geography, Penn State); Sterling Quinn (2014, Geography, Penn State); Catherine Airey (2014, Geography, Penn State); Adrienne Tucker (2014, Geography, Penn State); Lucas Harris (2014, Geography, Penn State); L-San Hung (2012, Geography, Penn State); Kayla Yurco (2011, Geography, Penn State); Jennifer Smith (2011, Geography, Penn State); Amanda Young (2011, Geography, Penn State); Rachel Isaacs (2010, Geography, Penn State); Nancy Brown (2008, Geography, Penn State)

**F) SUPERVISION OF POST-DOCTORAL FELLOWS AND VISITING RESEARCHERS**

2014-16, Steven Vanek, Cornell University, 'Fallows management, agrobiodiversity, and climate change'; 2009, Stephan Rist, University of Bern. 'Knowledge co-production in sustainability'; 2004-2005, Carlos Eduardo Reborrati, Institute of Geography, Universidad de Buenos Aires.

**SERVICE**

**A) INTERNATIONAL AND NATIONAL SCIENTIFIC AND SCHOLARLY PANELS**

**See also the section on "PROFESSIONAL SERVICE HIGHLIGHTS", page 3**

2002-07	Representative, Committee on Geographical Theory and Methods, Panamerican Geography and History Commission (national commission of the PAIGH)
2002-06	External Advisory Committee; Agriculture, Conservation, and Development Initiatives; International Potato Center (CIP), Lima, Peru
1998-2002	Member of Directorate, International Consortium on Environment, Justice, and Citizenship, Rainforest Alliance (Washington, D.C.)
1991-94	"Environment and Development" Expert to the National Council on Geographic Education
1987-90	Panelist, Lost Crops of the Inca, National Research Council, Washington, D.C



## B) DEPARTMENTAL SERVICE

- 2016-19 Faculty Advisory Committee (FAC), Department of Geography
- 2018-19 Search Committee, Environment and Society Geography
- 2017-19 Designated Mentor to Untenured Department Faculty (Dr. Jennifer Baka)
- 2016-17 Member, Undergraduate Studies Committee, Department of Geography
- 2016-17 Search Committee, Environment and Society Geography
- 2014-15 Co-Chair, Coffee Hour Committee
- 2014-15 Search Committee, Environment and Society Geography
- 2007-14 Head, Department of Geography, Pennsylvania State University (22 tenure-line faculty, 55 staff; annual budget 4.0 million dollars)

### **Department Service, University of Wisconsin--Madison (1990-2007)**

- 2006-07 Director, Undergraduate Studies, Department of Geography (also 1993-96)
- 2003-04, 2005-06 Chair, Department of Geography (18 tenure-line faculty, 7 staff; annual budget 2.8 million dollars)
- 2005-06 Chair and Member, Budget Committee (also 2003-04, 1999-2000, 1994-95)
- 2005-06 Advisory Committee (also 2003-04, 2002-03)
- 2002-03 Associate Chair, Department of Geography
- 1994-2004 Chair and Member, Tenure Committees of Assistant Professors (5)
- 1994-2004 Chair and Member, Faculty Search Committees (6)
- 2002-03 Chair, Future Directions Committee (Strategic Planning)
- 2002-03 Chair and Member, Faculty Development Committee
- 2001-02 Chair and Member, Speakers' Committee (also 1999-2000)
- 2000-02 Chair and Member, Travel Grants Committee
- 2001-02 Chair and Member, New Staff Committee (also 1994-1996)
- 2001-02 Chair and Member, Graduate Studies Committee (also 2000-01)
- 2001-02 Chair and Member, Graduate Budget & Admissions Committee (also 2000-01, 1997-98)
- 1996-97 Chair and Member, Curriculum Committee
- 1992-94 Faculty Senator (Alternate)
- 1992-94 Honor's Program Coordinator

## C) COLLEGE AND UNIVERSITY SERVICE

**See also the section on "PROFESSIONAL SERVICE HIGHLIGHTS", page 3**

- 2020 Sustainability Institute, Member of the Organizing Committee of the Symposium "Mainstreaming Biodiversity in the Decade of Action"
- 2019-20 Advancing the Arts and Humanities in EMS, College of Earth and Mineral Sciences, Committee Member
- 2017-20 Faculty Performance Evaluation Committee, College of Earth and Mineral Sciences, Committee Member (2017, 2018), Chair (2019, 2020)
- 2016-19 Faculty Advisory Committee, College of Earth and Mineral Sciences
- 2018-19 Food System Minor, Working Group, Sustainability Institute
- 2018-19 Potato Industry Working Group (Robert Roush, Dean Convener)

- 2017-18 Council on Agricultural Innovation: Scientific, Ethical, Legal, Social Issues
- 2013-15 Faculty Performance Evaluation (FPE) Committee, College of Earth and Mineral Sciences
- 2011-15 Academic Integrity Committee, College of Earth and Mineral Sciences
- 2014-15 Voluntary Teaching Overload. Development (fall 2014) and teaching (spring 2015) of course, "Peru: Geographical Issues and Interdisciplinary Research," Office of Global Programs
- 2008-14 Member, Diversity Council, College of Earth and Mineral Sciences
- 2011-13 Member, EMS e-Education Coordinating Committee
- 2011-13 Chair, Search Committee for Director of the Dutton Institute (Online Education Center), College of Earth and Mineral Sciences
- 2010-11 Chair, Search Committee for Head of Department of Geosciences, College of Earth and Mineral Sciences
- 2010-11 Member, Search Committee, John and Willie Leone Chair, Department of Energy and Mineral Engineering, College of Earth and Mineral Sciences
- 2008-10 Chair, Program Planning Group for Dual-Title Graduate Degree Program in Energy, Environment, and Public Policy, College of Earth and Mineral Sciences
- 2008-10 Co-Chair, Geo-Genetics Colloquium Series, Huck Institute, College of Earth and Mineral Sciences, Department of Anthropology
- 2010 Session Discussant, Latin America & Social Sustainability, noBoundaries Graduate Student Conference, (21 March 2010)

**College and University Service, University of Wisconsin---Madison (1990-2007)**

- 2000-06 Executive Committee, Latin American, Caribbean, and Iberian Studies
- 2000-06 Nave Committee, Latin American, Caribbean, and Iberian Studies
- 2003-06 Genevieve Herfurth Award Committee, Office of the Provost
- 2002-04 Advisory Committee, International Institute
- 2002-03 Provost's Search for Director of the Institute for Environmental Studies
- 2000-03 Chair and Member, Extra-Departmental Faculty Search Committees (4)
- 2000-01 Advisory Committee, Global Environment Undergraduate Degree Program
- 1993-2003 Faculty Advisor, Degree in Biological Aspects of Conservation
- 1994-99 Travel Grants Committee, Latin American and Iberian Studies Program
- 1996-99 Member and Chair, Graduate Fellowships Committee – Graduate School
- 1993-96 Fellowships Committee, Latin American and Iberian Studies Program

**D) EXTERNAL SERVICE**

**See also the section on "PROFESSIONAL SERVICE HIGHLIGHTS", page 4**

- 1985-2019 Collaborator, Research and Policy Programs, International, Governmental, and Non-Governmental Organizations, Cusco and Lima, Peru (Centro Bartolomé de las Casas, Centro Internacional de la Papa, Instituto de Investigación Nutricional, Ministerio del Medio Ambiente)
- 1990-2019 Collaborator, Research and Policy Programs, Non-Governmental Organizations, Cochabamba and La Paz, Bolivia (Centro de Comunicación y Desarrollo

- Alternativo, Centro de Estudios de la Realidad Económica y Social, Centro de Investigación y Desarrollo Regional)
- 2000-2006 Proposals and Panel Reviews, Food and Agriculture Organization (FAO) of the United Nations
- 2002-2005 Advisory Committee, New Agriculture, Development, and Conservation, International Potato Center (CIP), Lima, Peru
- 2002-2005 Nominator and Reviewer, The MacArthur Foundation
- 2000-2003 Proposals and Panel Reviews, Consultative Group on International Agricultural Research (CGIAR)
- 1998-2001 Member of Directorate, Consortium on Environment, Justice, and Citizenship, Rainforest Alliance (Washington, D.C.)
- 1992-2002 Presentations to Wisconsin Geographical Alliance (high school teachers), Middleton and Eau Claire, "Spatial Interactions and Movement"
- 1995-96 Public Interviews, Newspaper and Radio, on "Origins of Andean Irrigation" (Milwaukee Journal and Voice of America)
- 1996 Faculty Advisor to the "Brazil: Beyond the Rainforest" exhibit at the Children's Museum, Madison, Wisconsin
- 1995-99 Presentations, Franklin Elementary School, "The Tropical Rain Forest"
- 1993 Televised Presentation "Soils and Food Security in Bolivia: Pursuing Conservation and Development." Cable Television Channel 3, Madison, Wisconsin
- 1992-95 Member, Board of Directors, Peruvian Foundation for Nature Conservation, Lima, Peru
- 1993 Presentation to Training Program of Milwaukee Public Schools and University of Wisconsin, Milwaukee, "Biodiversity and the Environment in Latin America"
- 1992 Presentation to the National Council on Geographic Education, "Soil erosion in Bolivia," Santo Domingo, Dominican Republic

**E) ADDITIONAL EDITORSHIPS AND MEMBERSHIP ON EDITORIAL AND ADVISORY BOARDS (NATIONAL AND INTERNATIONAL)**

**Note: these are additional entries; several main entries are listed in the section on "PROFESSIONAL SERVICE HIGHLIGHTS", page 4**

- 2018-20 Guest Editorships (five to-date), *Sustainability Science*
- 2018-20 Editorial Board *Sustainability Science*
- 2016- Editorial Board, *Anthropocene*
- 2012-18 Editorial Board, *Review of Books, Annals of the American Association of Geographers*
- 2004-13 Editor, Nature-Society Section, *Annals of the Association of American Geographers*, (Editorship of the flagship journal of the Association of American Geographers, the principal international organization of professional geographers. This editorship involves the editor in a principal role for each article published. A total of ninety-two (92) full-length articles were published during Nature-Society editorship.
- 2011-13 Guest Editor, *Conservation Letters*
- 2001-03 Editor, *Journal of Latin American Geography*

**F) SERVICE TO THE PROFESSION (NON-EDITORSHIP)**

**Note: main entries in the section on "PROFESSIONAL SERVICE HIGHLIGHTS", page 3, and general entries in subsection (G), PROFESSIONAL EVALUATIONS AND REVIEWS)**

- 2015 Co-Organizer, Research Paper Sessions 1-4, "Political Ecology and Social-Ecological Interactions of Land and Food Systems." Annual Meeting of the American Association of Geographers, Chicago (April).
- 2014 Chair, "Anthropology and the Environment: Rappaport Student Prize Panel," Annual Meeting of the Association of American Anthropologists, Washington, D.C. (December 5).
- 2014 Co-Organizer, Research Paper Sessions 1-4 on "Historical political ecology: Resources, state influences, and social-ecological change." Annual Meeting of the American Association of Geographers, Tampa (April 9).
- 2013 Co-Organizer, Research Paper Sessions 1-2 on "Historical Resource Conflicts and Coordination: Political Ecologies of Past Landscapes", Congress of the Latin American Studies Association, Washington, D.C. (May 30-31).
- 2013 Organizer, Paper Sessions 1-2 "Biodiversity Conservation and Compatibility with Agricultural Intensification", Annual Meeting of the American Association of Geographers, Los Angeles (April 10).
- 2010 Session Chair, "Integrating Ecology and Political Ecology," Annual Meeting of the Association of American Geographers, Washington, D.C. (April 17).
- 2010 Session Chair, "Climate Adaptation, Landscapes, and Institutions," Annual Meeting of the Association of American Geographers, Washington, D.C. (April 15).
- 2002-07 Representative, Committee on Geographical Theory and Methods, Panamerican Geography and History Commission (national commission of the PAIGH)
- 2007 Co-Organizer of Panel Session on "Human-Dimensions/Human-Environment/Nature-Society Curricula in Departments of Geography: Present and Future Challenges," Annual Meeting of the Association of American Geographers, San Francisco (April 17-21).
- 2006 Co-Organizer of Panel Session on "Environmental conservation and governance: The changing role of the state in Latin America and the Caribbean." Annual Meeting of the Association of American Geographers, Chicago (March 7-11).
- 2001 Panel Organizer: "Reflecting on Human-Environment Geographies: Commonalities, Changes, Differences." Annual Meeting of the Association of American Geographers, New York City (March 3).
- 2001 Session Discussant: "Integrating Biophysical and Social-Political Approaches to Environmental Change." Annual Meeting of the Association of American Geographers, New York City (March 2).
- 2001 Panel Participant: "Ethnography and the Theory of Science." Annual Meeting of the Association of American Geographers, New York City (March 2).
- 2001 Panel Participant: "Incorporating Nature: Ecology and the Non-Human in Critical Approaches to the Environment." Annual Meeting of the Association of American Geographers, New York City (March 1).

- 2001 Session Discussant: "Cultural/Political Ecology in an Urban Industrial Word." Annual Meeting of the Association of American Geographers, New York City (March 1).
- 2000 Panel Organizer (with Eric Carter) and Chair: "Political Ecology, Environmental History, and the Role of Narrative," Annual Meeting of the Association of American Geographers, Pittsburgh (April 6).
- 2000 Session Organizer (with Eric Carter) and Chair: "Using History in Conservation Territories and Resource Networks: Case Studies and Critical Perspectives I," Meeting of the Association of American Geographers, Pittsburgh (April 5).
- 2000 Session Organizer (with Eric Carter) and Discussant: "Using History in Conservation Territories and Resource Networks: Case Studies and Critical Perspectives II," Meeting of the Association of American Geographers, Pittsburgh (April 5).
- 2000 Panel Organizer (with Matthew Turner) and Chair: "Scale Ideas and Political Ecology: Concepts and Theory in Political Economy and Ecology," Meeting of the Association of American Geographers, Pittsburgh (April 5).
- 1999 Discussant: "Mixed Landscapes, Mixed Methods II," Meeting of the Association of American Geographers, Pittsburgh (April 5).
- 2000 Panelist: "Issues in Mountain Conservation," Meeting of the Association of American Geographers, Pittsburgh (April 8).
- 1998 Session Organizer: "Concepts, Theory, and New Empirical Approaches in Political Ecology," Meeting of the Association of American Geographers, Boston (March 26).
- 1994-96 Editor, Newsletter of Latin Americanist Geography, Latin America Specialty Group, Association of American Geographers.
- 1996 Paper Session Chair, "Latin America: Economic and Historical Development," Meeting of the Association of American Geographers, Charlotte.
- 1994 Paper Session Organizer; "Biogeographical Landscapes with People I" and "Biogeographical Landscapes with People II;" Meeting of the Association of American Geographers, San Francisco.
- 1992-94 Vice-Chair, Latin America Specialty Group, Association of American Geographers
- 1992-94 Councilor, Mid-Western Region, Cultural and Political Ecology Specialty Group, Association of American Geographers
- 1991-94 Member, Board of Directors, Conference of Latin Americanist Geographers

**G) PROFESSIONAL EVALUTIONS AND REVIEWS (PAST 10 YEARS) (AVAILABLE UPON REQUEST)**

**SHORT PUBLICATIONS AND PUBLICITY/NEWS RELEASES ON MY RESEARCH**

**A) SCHOLARLY NOTES, REVIEWS, AND COMMENTARIES**

- nd Book Review, The Rules of the Game and the Game of the Rules: Normalization and resistance in Andean water control (Wageningen University, 2009) by R. Boelens. In *Human Ecology* (forthcoming).

- 2020 Published endorsement---“Blurb”: Bitter Shade: The Ecological Challenge of Human Consciousness (Yale University Press, 2020) by M.R. Dove.
- 2020 Commentary, “Rethinking the Green Revolution: Why now is the time for smallholder-driven agricultural research.” *Issues in Science and Technology* (U.S. National Academies of Sciences, Engineering, and Medicine) 36 (4), p. 6. Summer 2020. <https://issues.org/forum36-4/>
- 2018 Book Review, The Invention of Nature: Alexander von Humboldt's New World. (Vintage Books, 2016) by Andrea Wulf. In *Journal of Latin American Geography* 17 (1): 278-281. DOI: 10.1353/lag.2018.0017
- 2016 Book Review, Spell of the Urubamba: Anthropogeographical Essays on an Andean Valley in Space and Time (Springer Scientific, 2016) by D.W. Gade. In *American Association of Geography Review of Books* (AAGR) 4 (3): 127-130. doi:10.1080/2325548X.2016.1187490
- 2016 Published Comment and Review, “Comparing peasants’ perceptions of precipitation change with precipitation records in the tropical Callejón de Huaylas, Peru” by W. Gurgiser et al. In *Earth Systems Dynamics Discussion* 6: C1017–C1020. <http://www.earth-syst-dynam-discuss.net/6/C1017/2016/esdd-6-C1017-2016>.
- 2015 Published endorsement---“Blurb”: Climate cultures: Anthropological perspectives on climate change (Yale University Press, 2015) by J. Barnes and M.R. Dove, eds.
- 2014 Interview, “Karl Zimmerer Interviews Stefanie Graeter,” 2014 Rappaport Prize Co-Winner. Anthropology and Environment Society. <http://ae.americananthro.org/karl-zimmerer-interviews-stefanie-graeter-2014-rappaport-prize-co-winner/>
- 2013 Book Review, Protected Land: Disturbance, Stress, and American Ecosystem Management. (Springer Scientific, 2010) by D.J. Spieles. In *Ecological Engineering* 55: 93.
- 2013 Publication Endorsement Statement--“Blurb”: The social lives of forests: Past, present, and future of woodland resurgence (University of Chicago Press, 2013) by S.B. Hecht, K.D. Morrison, and C. Padoch.
- 2011 Book Review, Essay on the Geography of Plants (University of Chicago, 2010). By Alexander von Humboldt, edited by S. Jackson and translated by S. Romanowski. In *The Geographical Review* 101 (3): 458-460.
- 2008 “Landscape Change at the Margins: Pathway of Intensification and/or Model of Intensive Agriculture?” Commentary on ‘Variable Development of Dryland Agriculture in Hawaii’ by T.N. Ladefoged and M.W. Graves. In *Current Anthropology* 49(5): 793-794.
- 2008 Book Review, The Humboldt Current: Nineteenth-Century Exploration and the Roots of American Environmentalism. By A. Sachs. In *Annals of the Association of American Geographers* 98(3): 745-748.
- 2006 Note, “Humboldt and the history of environmental thought.” *The Geographical Review* 96(3): 456-459.

- 2003 Book Review, Bridging Human and Ecological Landscapes: Participatory Research and Sustainable Development in an Andean Agricultural Frontier. By R.E. Rhoades. In *Mountain Research and Development* 23(3): 305-306.
- 2001 Book Review, Nature and Culture in the Andes. By D.W. Gade. In *American Anthropologist* 103 (2): 590-591.
- 2001 Letter, "The contribution of geography and ethno-landscape ecology to plant genetic resources." In *People and Plants Handbook: Sources for Applying Ethnobotany to Conservation and Community Development*, Volume 7, page 4, eds. G.J. Martin, S. Barrow, and P.E. Eyzaguirre. United Nations, UNESCO (New York); [unesdoc.unesco.org/images/0012/001239/123911eb.pdf](http://unesdoc.unesco.org/images/0012/001239/123911eb.pdf).
- 2001 Published endorsement ("blurb"): *Violent Environments* by N.L. Peluso and Michael Watts (Cornell University Press).
- 2001 Published endorsement ("blurb"): *Black Rice: The African Origins of Rice Cultivation in the Americas* by J.A. Carney (Harvard University Press).
- 1999 Published endorsement ("blurb"): *Nature and Culture in the Andes*. By D.W. Gade (University of Wisconsin Press).
- 1999 Book Review, Facilitating Sustainable Agriculture: Participatory Learning and Adaptive Management in Times of Environmental Uncertainty. By N.G. Rošling and M.A.E. Wagemakers. In *Quarterly Review of Biology* 74(1): 118-119.
- 1996 Book Review, Andean Ecology: Adaptive Dynamics in Ecuador. By Gregory Knapp. In *Annals of the Association of American Geographers* 86(4): 784-786.
- 1995 Book Review, Poverty and Peasantry in Peru's Southern Andes, 1963-1990. By R.F. Watters. In *Annals of the Association of American Geographers* 84(2): 252-254.
- 1995 Note, The Geography of Daniel W. Gade, Recipient of the Preston James Award, *Conference of Latin Americanist Geographers* Volume 21: 115-119.
- 1994 Book Review, Historical Geography of Crop Plants: A Select Roster. By Jonathan Sauer. In *Annals of the Association of American Geographers* 84(4): 744-746.
- 1994 Book Review, Mountain Agriculture and Crop Genetic Resources. By K. W. Riley. In *Mountain Research and Development* 14: 99-100.
- 1993 Book Review, The Potatoes of South America: Bolivia. By C.M. Ochoa. In *Cultural and Political Ecology (CAPE) Newsletter* 23: 2-3.
- 1991 Note, Report on "The International Symposium on Strategies for Sustainable Mountain Development, Kathmandu, Nepal." In *The Professional Geographer* 43(2): 233-234.
- 1990 Commentary on "La interpretación ecologista de la historia socio-económica: Algunos ejemplos andinos." By J. Martinez-Alier. In *Revista Andina* 8(1): 40-42.
- 1989 Book Review, Genetic Resources of Phaseolus Beans. By P. Gepts. In *Economic Botany* 44(3): 420.

- 1989 Book Review, Our Daily Bread: The peasant question and family farming in the Colombian Andes. By N. Reinhart. In *Economic Geography* 65(1): 85-88.
- 1989 Book Review, Where the Dove Calls: The political ecology of a peasant corporate community. By T.E. Sheridan. In *Annals of the Association of American Geographers* 79(4): 634-636.
- 1989 Book Review, Plant Migration: The dynamics of geographic patterning in seed plant species. By J.D. Sauer. *Geographical Review* 79(4): 496-498.

#### B) SHORT ARTICLES, ESSAYS, AND EDITORIALS

- 2017-19 "Fewer crops are feeding more people worldwide - and that's not good." *The Conversation* (2017, on-line), <http://theconversation.com/fewer-crops-are-feeding-more-people-worldwide-and-thats-not-good-86105> (published November 28). Subsequently published in the *Chicago Tribune* (November 29), the *Houston Chronicle* (November 29), and the Stanford Millennium Alliance for Humanity and Biosphere (MAHB) (December 12, 2017) as "Why we need agriculture to be diverse, too", and *UNDARK: Truth, Beauty, Science* (November 30) as "Agrobiodiversity is disappearing at a time when we need it most: Global shifts of urbanization, migration, markets, and climate can be compatible with agrobiodiversity, but other powerful forces are undermining it." Also re-published (2018-2019): Millennium Alliance for Humanity and Biosphere (MAHB) of Stanford University (<https://mahb.stanford.edu/blog/fewer-crops/>), the Business and Economics Group <https://www.thebigq.org/business-economics/>), and Almetric (<https://www.altmetric.com/details/18559171/news>)
- 2014 "Foodscapes: The land use ecology and culinary practices of food in cultural landscapes," Cultural Landscapes Blog, Sustainable Futures for Europe's Heritage in Cultural Landscapes project (HERCULES).
- 2014 "Geography, big data, and more," Note from the Department Head, page 2, Newsletter of the Geography Department, The Pennsylvania State University, Spring, Volume 13, Issue 1.
- 2013 "Climate change and geography," Note from the Department Head, page 2, Newsletter of the Geography Department, The Pennsylvania State University, Fall, Volume 12, Issue 2.
- 2013 "Boundaries and networks in geography and beyond," Note from the Department Head, page 2, *Newsletter of the Geography Department*, Pennsylvania State University, Spring, Volume 12, Issue 1.
- 2013 "The AAG Distinguished Scholarship Award---Judith A. Carney," In *AAG Newsletter* (Association of American Geographers), Volume 48, Number 2, February.
- 2012 "Onward and upward with Penn State Geography," Note from the Department Head, page 2, *Newsletter of the Geography Department*, Pennsylvania State University, Fall, Volume 11, Issue 2.



- 2012 "The AAG Distinguished Scholarship Award---Richard A. Walker," In *AAG Newsletter* (Association of American Geographers), Volume 47, Number 2, February.
- 2012 "Valuing and Engaging with Alumni," Note of the Department Head, page 2, *Newsletter of the Geography Department, Pennsylvania State University*, Winter/Spring issue, Volume 11, Issue 1, page 2.
- 2011 "Important Roles of Faculty Emeriti," Note of the Department Head, page 2, *Newsletter of the Geography Department, The Pennsylvania State University*, Summer/Fall issue, Volume 10, Issue 2, page 2.
- 2011 "Geographies of Energy: AAG Annals Special Issue," In *AAG Newsletter* (Association of American Geographers), Volume 46, Number 6, June.
- 2011 "Interdisciplinary Faculty Searches: Energy Policy and Earth Systems Ecology," Note of the Department Head, page 2, *Newsletter of the Geography Department, The Pennsylvania State University*, Summer/Fall issue, Volume 10, Issue 1, page 2.
- 2010 "Penn State Geography in the NRC Rankings," Note of the Department Head, page 2, *Newsletter of the Geography Department, The Pennsylvania State University*, Summer/Fall issue, Volume 9, Issue 1, page 2.
- 2010 "Geography in the Context of Pasteur's Quadrant," Note of the Department Head, page 2, *Newsletter of the Geography Department, The Pennsylvania State University*, Winter/Spring issue, Volume 8, Issue 1, page 2.
- 2009 Publication endorsement ("blurb"): *The Atlas of World Hunger* by Thomas J. Bassett and Alex Winter-Nelson (University of Chicago Press).
- 2009 Publication endorsement ("blurb"): *In the Shadow of Slavery: Africa's Botanical Legacy in the Atlantic World* by Judith A. Carney (University of California Press).
- 2009 "Geography and Interdisciplinarity," Note of the Department Head, page 2, *Newsletter of the Geography Department, The Pennsylvania State University*, Summer/Fall issue, Volume 7, Issue 1, page 2.
- 2009 "Geography in the Re-Design of the Teacher Education Curriculum: Recent Experience at Penn State" (with J. Vender), *AAG Newsletter* (Association of American Geographers) (Volume 44, Number 3, March 2009).
- 2008 "Celebrating the Department Coffee Hour," Note of the Department Head, page 2, *Newsletter of the Geography Department, The Pennsylvania State University*, Summer/Fall issue, Volume 6, Issue 2, page 2.
- 2008 "Strategic Planning in the Department," Note of the Department Head, page 2, *Newsletter of the Geography Department, The Pennsylvania State University*, Winter/Spring issue, Volume 6, Issue 1, page 2.

**C) NEWS RELEASES AND PUBLISHED PRESS ABOUT THE RESEARCH AND TEACHING (2011-2020)**

- 2020 Review of *Agrobiodiversity: Integrating Knowledge for a Sustainable Future* (K. Zimmerer and S. de Haan); 'Conservation through conversation: A Review' by Ari Caramanica. *Revista: Harvard Review of Latin America*.  
<https://revista.drclas.harvard.edu/book/agrobiodiversity-integrating-knowlegde-sustainable-future>
- 2019 "Agrobiodiversity essential to sustainable food systems for the future." Consultative Group for International Agricultural Research (CGIAR),  
<http://www.rtb.cgiar.org/blog/2019/06/25/agrobiodiversity-essential-to-sustainable-food-systems-for-the-future/> (published 25 June 2019).
- 2019 "Agrobiodiversity: Integrating Knowledge for a Sustainable Future." Ernst Strüngmann Forum for Neuroscience and the Environment (20 May 2019)  
[https://esforum.de/forums/esf24\\_Agrobiodiversity.html](https://esforum.de/forums/esf24_Agrobiodiversity.html)
- 2019 "Agrobiodiversity: Integrating Knowledge for a Sustainable Future." Massachusetts Institute of Technology (MIT) Press. (5 April 2019)  
<https://mitpress.mit.edu/books/agrobiodiversity>
- 2018 "Reduced agrobiodiversity threatens the stability of our whole food system." Massive Science (21 November 2018)  
<https://massivesci.com/articles/fewer-crops-feeding-more-worldwide-not-good/>
- 2018 "Essays on Non-virtual Reality: All eyes on potatoes." Freemont News Messenger, Freemont, California (25 September 2018)  
<https://www.thenewsmessenger.com/story/news/local/2018/09/25/essays-non-virtual-reality-all-eyes-potatoes/1414902002/>
- 2018 "In situ conservation challenges." World Potato Congress Web News,  
<https://www.worldpotatocongress2018-alap.org/wp-content/uploads/2018/06/WS-J-ZIMMERER-POWER-POINT1.pdf>
- 2018 "Fruits, veg, potatoes and corn are all losing their rich diversity." The Star (16 February 2018)  
<https://www.thestar.com.my/lifestyle/living/2018/02/16/food-is-losing-its-rich-diversity-part-1/>
- 2018 "Dealing with the spillovers along sustainability's path." Center for Systems Integration and Sustainability, Michigan State University.  
<https://www.canr.msu.edu/news/dealing-spillovers-along-sustainabilitys-path>
- 2017 "Fewer crops are feeding more people worldwide." Penn State News,  
<http://theconversation.com/fewer-crops-are-feeding-more-people-worldwide-and-thats-not-good-86105> (published 8 December 2017).
- 2017 "THE BIG STORY: Integrated approach needed to protect crop biodiversity, researcher says." Mainstream: Penn State Sustainability News. Published 11 May 2017. <http://www.icontact-archive.com/kMnNjucz6ZG0ILgbESZqxtz3a4903FSy..>

- 2017 “Integrated approach needed to protect crop biodiversity, researcher says.” Penn State News. Published 10 May 2017. <http://news.psu.edu/story/467862/2017/05/10/research/integrative-approach-needed-protect-crop-biodiversity-researcher>
- 2017 “Expanding the horizons of biodiversity for sustainable food futures.” Cultivate: Science, Research & Development News. Published 25 April 2017. <http://www.cultivate.news/agriculture/rtb/expanding-horizons-biodiversity-sustainable-food-futures/>
- 2017 “Expanding the horizons of biodiversity for sustainable food futures.” by Karl Zimmerer and Stef de Haan. Program of the Global Consultative Group on International Agricultural Research (CGIAR) on Roots, Tubers and Bananas (RTB). Published 7 April 2017. <http://www.rtb.cgiar.org/blog/2017/04/07/expanding-horizons-biodiversity-sustainable-food-futures/>
- 2017 “The Effects of Melting Glaciers on Tropical Communities” by Jesse Westbrook. College of Earth and Mineral Sciences, Pennsylvania State University. Published 16 January 2017. <http://news.psu.edu/story/440485/2017/01/16/research/effects-melting-glaciers-tropical-communities>
- 2016 “El agrobiodiversidad y su aprovechamiento en el Perú” with Eric Zimmerer. Encuentros con la Ciencia con Modesto Montoya, Lima, Peru. <https://www.youtube.com/watch?v=-doeRRPEwAM>
- 2016 “Karl Zimmerer: Custer Visiting Scholar.” David Rockefeller Center for Latin American Studies, Harvard University. Published 20 January 2016. <http://drclas.harvard.edu/people/karl-zimmerer>
- 2015 “Most Diverse Crop Seeds Grow On Tiny Farms.” Futurity. Published 16 February 2015. <https://www.futurity.org/seeds-crops-diversity-857522/>
- 2015 “New Course Explores Geographies of Sustainability and Food: Faculty from Multiple Disciplines Develop an Integrated Approach” by Angela Rogers, Pennsylvania State University, Spring 2015. <http://www.geog.psu.edu/news/penn-state-geography-newsletter/spring-2015-newsletter/6-new-course-explores-geographies>
- 2015 “World Crop Diversity Survives From Peri-Urban to Remote Rural Locations” by A'ndrea Elyse Messer, Pennsylvania State University. Published 13 February 2015. <http://news.psu.edu/story/344861/2015/02/13/research/world-crop-diversity-survives-peri-urban-remote-rural-locations>
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