

# TRACEY OSBORNE, PH.D.

## Curriculum Vitae

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SSM 231, The University of California-Merced, 5200 North Lake Rd. Merced, CA 95343  
Tel: (510) 847-9853; Email: [tosborne@ucmerced.edu](mailto:tosborne@ucmerced.edu)

### AREAS OF SPECIALIZATION

Climate change mitigation, climate justice, climate policy, Indigenous rights, tropical forests and avoided deforestation, unburnable carbon, carbon finance, environmental governance, just transition, engaged scholarship. Regional focus: the Americas, Latin America, the Amazon, Mexico.

### EDUCATION

Ph.D.	Energy and Resources Group	University of California, Berkeley	2010
M.S.	Food and Resource Economics	University of Florida	1999
B.A.	English Literature	Wesleyan University	1991

### ACADEMIC APPOINTMENTS

#### *University of California, Merced*

- January 2020 – Present: **Presidential Chair and Associate Professor**, Management of Complex Systems, Management of Innovation, Sustainability and Technology Program.

#### *University of California, Santa Cruz*

- October 2018 – November 2018: **Visiting Scholar**, Santa Cruz Institute for Social Transformation and Department of Environmental Studies.

#### *University of Arizona, Tucson*

- May 2018 – December 2019: **Associate Professor**, School of Geography and Development  
Faculty Affiliate: Latin American Studies; American Indian Studies; Institute of the Environment; Global Change; Social, Cultural, and Critical Theory.
- January 2011 – May 2018: **Assistant Professor**, School of Geography and Development
- January 2010 – December 2010: **Postdoctoral Fellow**, Institute of the Environment

### PUBLICATIONS/CREATIVE ACTIVITY

#### *Refereed Journal Articles*

Johnson, O.E.A., Zalik, A., Mollett, C.S., Sultana, F., Havice, E., **Osborne, T.**, Valdivia, G., Lu, F. and Billo, E., 2020. Extraction, entanglements, and (im) materialities: Reflections on the methods and methodologies of natural resource industries fieldwork. *Environment and Planning E: Nature and Space*.

Anderson, E., **Osborne, T.**, Maldonado-Ocampo, J.A., Mills-Novoa, M., Castello, L., Montoya, M., Encalada, A. & Jenkins, C., 2019. Energy development reveals blind spots for Amazon ecosystem conservation. *Frontiers in Ecology and the Environment*, 17(9), pp.521-529.

Goldstein, J, Paprocki, K. and **Osborne, T.**, 2019. A Manifesto for a Progressive Land-Grant Mission in an Authoritarian Populist Era. *Annals of the American Association of Geographers*, 109(2).

- Bigger, P., Dempsey, J., Asiyanbi, A., Kay, K., Lave, R., Mansfield, B., **Osborne, T.**, Robertson, M. and Simon, G., 2018. Reflecting on Neoliberal Natures: An Exchange: The Ins and Outs of Neoliberal Natures. *Environment and Planning E: Nature and Space*, 1(1-2).
- Osborne, T.** and Shapiro-Garza, E. 2018. Embedding Carbon Markets: Complicating Commodification of Ecosystem Services in Mexico's Forests. *Annals of the American Association of Geographers*, 108(1), pp.88-105.
- Franklin, R. and **Osborne, T.** 2017. Toward an Urban Political Ecology of Energy Justice: The Case of Rooftop Solar in Tucson, AZ. *Journal of Political Ecology* 24: 1055-1076.
- Osborne, T.** 2017. Public Political Ecology: A Community of Praxis for Earth Stewardship. *Journal of Political Ecology*, 24: 843-860.
- vonHedemann, N. and **Osborne, T.** 2016. Communities and Forests: Payments for Ecosystem Services in the Guatemalan Highlands. *Journal of Latin American Geography*, 15(1): 83-110.
- Wilder, M., Liverman, D., Bellante, L. and **Osborne, T.** 2016. Southwest Climate Gap: Poverty and Environmental Justice in the US Southwest. *Local Environment*, 21(11): 1332-1353.
- Osborne, T.** 2015. Tradeoffs in Carbon Commodification: A Political Ecology of Common Property Forest Governance. *Geoforum*, 67: 64-77.
- Osborne, T.** 2013. Fixing Carbon, Losing Ground: Payments for Environmental Services and Land (In)security in Mexico. *Human Geography*, 6(1): 119-133.
- Osborne, T.** 2011. Carbon Forestry and Agrarian Change: Access and Land Control in a Mexican Forest. *Journal of Peasant Studies*, 38(4): 859-883.
- Osborne, T.** and Kiker, C. 2005. Carbon Offsets as an Economic Alternative to Large-scale Logging: A Case Study in Guyana. *Ecological Economics*, 52(1): 481-496.

#### ***Electronic Publications***

- Osborne, T.**, Franklin, R. 2018. *It's Time to Stop Investing in New Oil and Gas Pipelines*. Scientific American. July 12, 2018. [Op-Ed] Retrieved from: <https://blogs.scientificamerican.com/observations/its-time-to-stop-investing-in-new-oil-and-gas-pipelines/>
- Osborne, T.**, 2018. *Native Americans Fighting Fossil Fuels*. Scientific American. April 9, 2018. [Op-Ed] Retrieved from: <https://blogs.scientificamerican.com/voices/native-americans-fighting-fossil-fuels/>
- Osborne, T.**, Bellante, L. and vonHedemann, N. 2015. *Los Pueblos Indígenas y REDD+: Una Perspectiva Crítica*. Cusco: Indigenous Peoples' Biocultural Climate Change Assessment Initiative. [Peer-reviewed report]. Retrieved from: <http://arizona.openrepository.com/arizona/handle/10150/605561>
- Osborne, T.**, Bellante, L. and vonHedemann, N. 2014. *Indigenous Peoples and REDD+: A Critical Perspective*. Cusco: Indigenous Peoples' Biocultural Climate Change Assessment Initiative. [Peer-reviewed report]. Retrieved from: <http://arizona.openrepository.com/arizona/handle/10150/605561>
- Osborne, T.** 2013. Beyond Safeguards: A Critique of Carbon Markets for REDD+. Blog on the *Public Political Ecology Lab* webpage [<http://www.ppel.arizona.edu>], March 2013.

**Other Publications**

- Osborne, T.** 2015. “The Political Ecology of Carbon Offsets”. Why Geography Matters section in *Human Geography: Places and Regions in Global Context*. By P. Knox and S. Marston. 7<sup>th</sup> Edition Pearson.
- Soltani, A. and **Osborne, T.**, 1997. Arteries for Global Trade, Consequences for Amazonia: A Threat-assessment Report Exposing Transportation and Energy Infrastructure Projects Planned for the Amazon Basin; Preliminary Findings. Malibu: Amazon Watch.

**Work in Progress**

- Osborne, T.**, Brock, S., Chomba, S., Garen, E., Gutierrez V., Lave, R., and Sundberg, J. The Political Ecology Playbook for Ecosystem Restoration. *Nature Sustainability* (in preparation).
- Osborne, T.**, and Derman, B. Climate Justice: Discourse and Social Movement. *Environmental Research Letters* (in preparation).
- Kenney-Lazar, M., Johnson, A., Sultana, F., Rice, J, **Osborne, T.**, Himley, M., Havice, E. and Bebbington, A. Critical Environmental Governance: Politics and Power in the Material World. *Progress in Human Geography* (in preparation).

**HONORS AND AWARDS**

- 2020 - 2025 **Presidential Chair.** University of California Endowed Chair position that provides an annual research fund of \$45,000.
- 2017 - 2018 **Tucson Public Voices Fellowship.** For participation in OpEd Project. Value: \$10,000.
- 2014 - 2015 **Udall Center Fellowship (UA).** Two course releases for public policy research and engagement. Value: \$14,000.
- 2011 **Apple Polisher’s Teaching Award for University of Arizona Professors** (awarded by students)
- 1999 **Outstanding Master’s Thesis Award** in Department of Food and Resource Economics, University of Florida

**GRANTS AND CONTRACTS** (selected)

- 2020 – 2022 UC Merced Office of the Vice Provost. Pathways to the Professoriate Advancing Faculty Diversity Grant. Awarded: \$100,500.
- 2020 University of California Office of the President. UC Carbon Neutrality Initiative Grant. “Kawsay Ñampi (Way of Life): Conservation and Preservation of the Living Forest in Sarayaku”. Awarded: \$58,267
- 2018 Economic and Social Research Council. "Indigenous-International Interactions for Sustainable Development" for research in Bolivia, Uganda and Papua New Guinea (Co-Investigator; Lead PI: Heike Schroeder). Awarded: \$922,188.
- 2018 UA Climate Justice Network/Haury Program for Environment & Social Justice. “The AZ Water/Ways Story Map” (Co-PI with Jamie A. Lee). Awarded: \$10,000.
- 2017 American Council of Learned Societies Digital Extension Grant. “Stories + Numbers for Climate Justice: Participatory Archives Collaborative” (Co-PI with Jamie A. Lee). Alternate for award, not funded: \$149,722.

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- 2016 Social and Behavioral Sciences Research Institute Faculty Small Grant (UA). “Indigenous Peoples and Climate Change Mitigation in Latin American Forests.” Awarded: \$3,500.
- 2016 Institute of the Environment: Water, Environmental, and Energy Solutions Program (UA). “Climate Alliance Mapping Project.” Awarded: \$15,356.
- 2015 National Science Foundation Doctoral Dissertation Research Improvement (awarded to graduate student advisee Nicolena vonHedemann). “Incentives, Livelihoods, and Forest Ecology: Payments for Ecosystems Services in Guatemala's Western Highlands.” Awarded: \$15,994.
- 2015 Robert and Patricia Switzer Foundation Environmental Leadership Grant. “Climate Alliance Mapping Project.” [Co-written with and sub-award through Amazon Watch]. Awarded: \$55,000.
- 2014 Social and Behavioral Sciences Research Institute Leveraging Grant (UA). “Public Political Ecology Lab”. Awarded: \$1,000.
- 2013 Green Fund Mini Grant (UA). “Building a Public Political Ecology”. Project Manager; Field course coordinated and administered by graduate student members of the Public Political Ecology Lab. Awarded: \$1,475.
- 2011 - 2012 Social and Behavioral Sciences Research Institute Faculty Seed Grant (UA). “Evaluating Finance Mechanisms in Communally-Managed Tropical Forests in Mexico: Lessons for REDD.” Awarded: \$8,049.
- 2011 - 2012 Institute of the Environment Faculty Exploratory Research Grant (UA). “Evaluating Finance in Communally-Managed Tropical Forests in Mexico: Lessons for REDD.” Awarded: \$10,000.
- 2010 - 2011 National Oceanic and Atmospheric Administration (NOAA)—National Climate Assessment Program. “National Climate Assessment in the Southwest: Poverty and Climate Change in the Southwestern United States” for research on the impacts of climate change on marginalized communities in the U.S. Southwest (Co-PI with D. Liverman; Lead PI: M. Wilder). Awarded: \$90,000.

## CONFERENCES/SCHOLARLY PRESENTATIONS

### *Invited Lectures for Colloquia and Seminars*

- 2020 “Decolonizing Carbon: Indigenous-Led Climate Change Mitigation in the Amazon Rainforest.” International Society of Tropical Foresters, Yale School of Forestry and Environmental Studies, New Haven, CT. On Plenary Panel - Envisioning Critical Restoration Ecologies. January 31, 2020.
- 2020 “Decolonizing Carbon: Indigenous-Led Climate Change Mitigation in the Amazon Rainforest.” UC Merced Management of Complex Systems Seminar. Merced, CA. January 22, 2020.
- 2018 “Carbon Counter-mapping: A Public Political Ecology for Climate Justice.” UC Santa Cruz Environmental Studies Seminar. Santa Cruz, CA. October 15, 2018.
- 2018 “Carbon Counter-mapping: A Public Political Ecology for Climate Justice.” UC Santa Cruz Environmental Studies Seminar. Santa Cruz, CA. October 15, 2018.
- 2018 “Carbon Counter-mapping: A Public Political Ecology for Climate Justice.” UC Davis Geography Graduate Group Seminar. Davis, CA. May 24, 2018.
- 2017 “Climate Alliance Mapping Project: A Public Political Ecology for Earth Stewardship.” Centre for Research on Latin America and the Caribbean York University. Toronto, Canada. December 13, 2017.

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- 2017 “Climate Alliance Mapping Project: A Public Political Ecology for Climate Justice.” Geography Department, University of Georgia. Athens, GA. October 20, 2017.
- 2016 “Climate Alliance Mapping Project.” Switzer Fellows Fall Retreat, Nature Bridge, at Golden Gate National Recreation Area. Sausalito, CA. October 1, 2016.
- 2016 “Public Political Ecology: A Philosophy of Praxis in the Age of the Anthropocene.” Dimensions of Political Ecology Conference, Lexington KY. February 26-27, 2016 [Keynote].
- 2014 “Perspectivas criticas sobre Pueblos Indigenas y REDD+.” Indigenous Peoples’ Biocultural Climate Change Assessment Initiative (IPCCA) Conversatorio, Lima, Peru. June 20, 2014 [Keynote].
- 2014 “Global Environmental Justice: A Public Political Ecology of the Carbon Economy.” University of Oregon, Geography Department. March 13, 2014.
- 2013 “Global Environmental Justice: A Public Political Ecology of the Carbon Economy.” Climate and Energy Institute, Yale University. November 14, 2013.
- 2013 “Public Political Ecology” (workshop). School of Forestry and Environmental Studies, Yale University. November 15, 2013.
- 2013 “RED(D) Flags: Carbon Commodification and Environmental Governance in Chiapas, Mexico.” Beckman Institute, University of Illinois at Urbana-Champaign. March 8, 2013.
- 2012 “Comprender el Compromiso: Comodificacion de Carbono y Gobernanza Comunitaria en Chiapas” (*Understanding the Tradeoffs: Commodification of Carbon and Community Governance in Chiapas*). El Colegio de la Frontera Sur (ECOSUR). June 13, 2012.
- 2011 “Unpacking the Tradeoffs: Carbon Commodification and Community Forest Governance in Chiapas, Mexico.” University of Colorado, Boulder. October 7, 2011.
- 2011 “Interrogating the Tradeoffs: Carbon Commodification and Community Forest Governance in Chiapas, Mexico.” Dartmouth College, Hanover, NH. May 18, 2011.
- 2011 “Bridging the Social and Ecological Dimensions of REDD.” Biosphere 2, Tucson, AZ. April 26, 2011.
- 2010 “Evaluating Sustainable Development in Market-based Carbon Forestry in Chiapas, Mexico.” Environmental Breakfast Club, College of Law, University of Arizona. October 1, 2010.
- 2010 “Las Dimensiones Sociales de Captura de Carbono en Chiapas: Lecciones para REDD.” 16<sup>th</sup> Conference of the Parties (COP-16), Cancun, Mexico. December 1, 2010.

**Symposia**

- 2019 “Carbon Counter-mapping and Indigenous Knowledge: A Public Political Ecology for Climate Justice.” *Global South Studies Symposium and Workshop*, University of Virginia, Charlottesville, VA. March 29-30, 2019.
- 2017 “Climate Alliance Mapping Project.” *Indigenous Climate Justice Symposium*. Climate Change and Pacific Rim Indigenous Nations Research Project, Evergreen State College, Olympia, WA. May 5, 2017.
- 2016 “Environment, Conflict and Justice.” *12<sup>th</sup> Annual Tinker Symposium*, Center for Latin American Studies, University of Arizona, Tucson, AZ. November 3, 2016 [Discussant].

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- 2016 “Bringing an Equity Lens to Environmental Work.” *Switzer Fellows Fall Retreat*, Nature Bridge, at Golden Gate National Recreation Area., Sausalito, CA. October 2, 2016 [Panel].
- 2013 “RED(D) Flags: Carbon Commodification, Forest Governance and Communal Land Tenure in Mexico.” *Grabbing Green Conference*, Toronto, Canada. May 18, 2013.
- 2011 “Interrogating the Tradeoffs: Carbon Commodification and Community Forest Governance in Chiapas, Mexico.” *Nature Inc? Questioning the Market Panacea in Environmental Policy and Conservation Conference*, Institute of Social Studies, The Hague, The Netherlands. July 1, 2011.
- 2011 “The Social Dimensions of Markets and Governance for Carbon Forestry and REDD.” *Amazon-Pire (Pan-American Advanced Studies Institute) field course*, Tambopata, Peru. July 8, 2011.
- 2011 “Public Ecology and Making an Environmental Difference.” *Amazon-Pire (Pan-American Advanced Studies Institute) field course*, Tambopata, Peru. July 9, 2011.

**Conferences**

- 2019 “Climate Alliance Mapping Project: A Community of Praxis.” Presented on panel “Book Launch: Routledge Handbook of Climate Justice.” *American Association of Geographers Annual Meeting*, Washington, DC. April 6, 2019.
- 2019 “Decolonizing Geography.” Presented on panel “Decolonizing Geography.” *American Association of Geographers Annual Meeting*, Washington, DC. April 5, 2019.
- 2014 “The Public Political Ecology Lab.” Presented on panel “Reaching a Wider Audience: Disseminating Results in Non-Academic Outlets.” *Dimensions of Political Ecology*, Lexington, KY. February 28, 2014.
- 2018 “Carbon Counter-mapping: A Public Political Ecology for Climate Justice.” Presented in session “Geographies of Climate Justice.” *American Association of Geographers Annual Meeting*, New Orleans, LA. April 12, 2018.
- 2017 “Engaged Scholarship and the Climate Alliance Mapping Project.” Presented on panel “Expectations, Expertise, and Engagement: Navigating the Tensions of Participatory Community Research.” *American Association of Geographers Annual Meeting*, Boston, MA. April 6, 2017.
- 2017 “Publics, Pedagogies, and Praxis: Engaged Research and Scholarship in Critical Geography.” Co-organizer (with Joel Correia, University of Colorado Boulder) of 3 paper sessions. *American Association of Geographers Annual Meeting*, Boston, MA. April 5, 2017.
- 2017 “Publics, Pedagogies, and Praxis: Engaged Research and Scholarship in Critical Geography: Rethinking the Land Grant.” Co-organizer (with Jenny Goldstein and Kasia Paprocki, Cornell University) of 1 panel. *American Association of Geographers Annual Meeting*, Boston, MA. April 5, 2017.
- 2017 “Indigenous Peoples and REDD+: Carbon Counter-movements and Territorial Land Rights in the Amazon Rainforest.” Presented on panel “Checking in on the failures and accomplishments of neoliberal natures”, Co-organized by Patrick Bigger and Jessica Dempsey. *American Association of Geographers Annual Meeting*, Boston, MA. April 5, 2017.

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- 2016 “Political Ecologies of Climate Justice.” Paper session organized by graduate student advisees (Remington Franklin and Kristine Janssen). *Dimensions of Political Ecology*, Lexington, KY. February 26-27, 2016.
- 2015 “Finance and Forests: Political Ecologies of Carbon Commodification.” Co-organizer (with graduate student advisee Nicolena vonHedemann) of 2 paper sessions. *American Association of Geographers Annual Meeting*, Chicago, IL. April 23, 2015.
- 2015 “Commodification and Forests: Interrogating Finance Mechanisms in Mexico’s Environmental Service Initiatives.” Co-presenter of paper (with Elizabeth Shapiro-Garza). *American Association of Geographers Annual Meeting*, Chicago, IL. April 23, 2015.
- 2014 “Engaged Scholarship in Critical Geography: Theory, Practice and Pedagogy.” Co-organizer (with Benjamin Gardner, University of Washington, Bothell) of 1 paper session and 1 panel. *Association of American Geographers Annual Meeting*, Tampa, FL. April 12, 2014.
- 2014 “REDDy or Not: Political ecologies of Forest Carbon, Accumulation, and Resistance.” Discussant on 1 paper session. *Association of American Geographers Annual Meeting*, Tampa, FL. April 8, 2014.
- 2014 “Finance and Forests: Political Ecologies of Ecosystem Service Provision.” Co-organizer (with graduate student advisee Nicolena vonHedemann) of 2 paper sessions. *Dimensions of Political Ecology*, Lexington, KY. February 28, 2014.
- 2014 “The Public Political Ecology Lab.” Presented on panel “Reaching a Wider Audience: Disseminating Results in Non-Academic Outlets.” *Dimensions of Political Ecology*, Lexington, KY. February 28, 2014.
- 2013 “RED(D) Flags: The Carbon Market, Forest Governance and the Commodification of Nature.” Paper presentation. *Association of American Geographers Annual Meeting*, Los Angeles, CA. April 12, 2013.
- 2012 “Global Environmental Justice: A Gramscian Political Ecology of the California Carbon Market.” Paper presentation. *Association of American Geographers Annual Meeting*, New York, NY. February 24, 2012.
- 2012 “Surviving 2012: Global environmental change, sociopolitical challenges and prospects for constructive engagements [in Rio, Washington, Durban and local communities].” Co-organizer (with Maxwell Boykoff, Diana Liverman, Adam Bumpus, Michael Goodman) of 3 paper sessions. *Association of American Geographers Annual Meeting*, New York, NY. February 24, 2012.
- 2011 “Interrogating the Tradeoffs: Carbon Commodification and Community Forest Governance in Chiapas, Mexico.” Paper presentation. *Association of American Geographers Annual Meeting*. Seattle, WA. April 15, 2011.
- 2011 “The Carbon Economy Revisited: Exploring Political Economy, Governance and Development in the Carbon Market.” Co-organizer (with Adam Bumpus) of 3 paper sessions. *Association of American Geographers Annual Meeting*. Seattle, WA. April 15, 2011.
- 2010 “Fixing Carbon, Losing Ground: Carbon Forestry and Land Certification in Chiapas, Mexico.” Paper presentation. *Association of American Geographers Annual Meeting*. Washington, DC. April 18, 2010.

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- 2010 “Payments and Markets for Ecosystem Services II: Articulation with Development Strategies.” Discussant on paper session. *Association of American Geographers Annual Meeting*. Washington, DC. April 18, 2010.

**COMMUNITY PRESENTATIONS**

- 2018 “Carbon Markets and Tropical Forests”, Soil Not Oil Conference. Outside event of the California Global Climate Summit, Grand Theater, San Francisco, CA, September 11, 2018.
- 2018 “Climate Justice Brainstorm”, led and co-organized workshop on climate justice for Tucson community and UA researchers. Changemaker High School, Tucson AZ, April 18, 2018.
- 2017 Invitation to speak at *Tucson People’s Climate March*, April 29, 2017.
- 2017 “Great Tide Rising: Toward Clarity and Moral Courage in a Time of Planetary Change”, a talk by Kathleen Dean Moore. *Center for Compassion Studies (UA)*, April 28, 2017. [Panel].
- 2017 “Climate Change”, a lecture by Noam Chomsky, part of a co-taught course with Marvin Waterstone *What is Politics?* UA’s Humanities Seminar Program, February 9, 2017 [Interviewer].
- 2017 “Climate Alliance Mapping Project”. *Sustainable Living Room*, Tucson, AZ. January 25, 2017. [Public Talk].
- 2016 “This Changes Everything” – film and panel discussion. *Climate Change and Social Justice*, UA College of Public Health. Loft Cinema, Tucson, AZ. April 8, 2016. [Panel].
- 2015 “Climate Alliance Mapping Project”. *Americas-wide initiative to advance climate equity*, launch meeting organized by Sierra Club and Amazon Watch. San Francisco, CA. April 21, 2015. [Presentation].

**ENGAGED SCHOLARSHIP/SYNERGISTIC ACTIVITIES**

- Lead PI and Director of the Climate Alliance Mapping Project (CAMP), a collaborative of academics, environmental organizations and Indigenous groups that use maps and digital storytelling to further climate justice (2015 – present). [<https://climatealliancemap.org/>].
- Director of the Public Political Ecology Lab (PPEL), an interdisciplinary lab for engaged scholarship (2011 – present). [<https://ppel.arizona.edu/>].
- Co-I on Economic and Social Research Council (ESRC) grant titled *Indigenous-International Interactions for Sustainable Development*, which investigates the role of Indigenous knowledge for sustainable development in Bolivia, Uganda and Papua New Guinea (2018 - present).
- Instructor for Amazon Pire (PASI) field-course in Tambapata, Peru: Provided social science component of field-course consisting of lectures on REDD (UN initiative for Reducing Emissions from Deforestation and forest Degradation in developing countries) and Public Ecology (summer 2011).
- Vice Chair of the Cultural and Political Ecology specialty group of the American Association of Geographers (2017 - present).
- Editorial Board of the *Annals of the Association of American Geographers*, (2017 – present).
- Advisory board of the *Journal of Political Ecology* (2017 - present).
- Advisory board for 2018 Conference of the Political Ecology Network (2017 – 2018).