

Peter Newton

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Sustainability, Energy, and Environment Community

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Education

2007 – 2011 **Ph.D.**, School of Environmental Sciences, University of East Anglia, UK

2006 – 2007 **M.Sc.**, *Applied Ecology and Conservation*, University of East Anglia, UK

2000 – 2003 **B.A. Hons. (2.1)**, *Zoology*, University of Cambridge, UK

Current position

2021 – **Associate Professor**, Department of Environmental Studies, University of Colorado Boulder

Previous academic positions

2015 – 2021 **Assistant Professor**, Environmental Studies Program, University of Colorado Boulder

2012 – 2014 **Postdoctoral Research Fellow**, School of Natural Resources and Environment, University of Michigan

Current affiliations

2018 – **Faculty Associate**, Environment and Society Program, Institute of Behavioral Science, University of Colorado Boulder

2016 – **Faculty Affiliate**, Latin American Studies Center, University of Colorado Boulder

2016 – **Research Fellow**, Laboratory for Energy Environment and Policy Innovation, University of Colorado Boulder

Previous affiliations

2017 – 2020 **Faculty Affiliate**, Center for Science & Technology Policy Research, University of Colorado Boulder

2012 – 2014 **Researcher**, International Forestry Resources and Institutions research network

2012 – 2014 **Researcher**, CGIAR research program on Climate Change, Agriculture and Food Security

Current memberships

Heterodox Academy

Funding

External funding

- 2022 – 2025 **Trans-Atlantic Platform Recovery, Renewal and Resilience in a Post-Pandemic World (RRR)**. US funder: **National Science Foundation**. FORTE – Forest citizenship for disaster resilience: learning from COVID-19. *US \$199,552*. US PI. (Overall grant funding: €636,427)
- 2022 **World Wildlife Fund**. Lead consultant: food system transformation in Brazil, Colombia, Kenya, and the United Arab Emirates. *Consultancy*.
- 2021 – 2022 **Food and Agriculture Organization of the United Nations**. Lead consultant: forest-based socio-economic indicators. *Consultancy*.
- 2021 – 2022 **Tiny Beam Fund Burning Questions Fellowship**. Livelihood transitions in low- and middle-income countries: from animal agriculture to alternative proteins. *US \$20,000*. PI.
- 2021 – 2022 **Climate and Land Use Alliance**. The potential for actions and actors to generate shifts toward more plant-based diets. *US \$35,000*. PI
- 2021 **Tiny Beam Fund Research Planning Grant**. Interventions for decreasing animal-based food consumption. *US \$9,986*. PI
- 2020 – 2025 **United States Department of Agriculture National Institute of Food and Agriculture Higher Education National Needs Fellowships Program**. Disruptive technologies and US food security: interdisciplinary training of graduate Fellows to be food system leaders. *US \$262,500*. PI
- 2019 – 2020 **The Breakthrough Institute Research Fellowship**. Social and economic opportunities and challenges of plant-based meat and cellular agriculture for rural producers in the US. *US \$5,000*. PI
- 2018 – 2019 **Dr. Scholl Foundation**. Sustainable socio-environmental systems graduate fellowships. *US \$40,000*. PI
- 2017 **Dr. Scholl Foundation**. Sustainable socio-environmental systems graduate fellowships. *US \$30,000*. PI
- 2017 – 2018 **National Geographic**. Forest fragments, biodiversity conservation, and the persistence of community resource management institutions in the African Albertine Rift. *US \$23,900*. Co-PI
- 2015 – 2017 **CGIAR research program on Climate Change, Agriculture and Food Security (CCAFS) and International Fund for Agricultural Development (IFAD)**. Shared knowledge and lessons for smallholder climate adaptation: learning from integrated agricultural systems in Brazil and Mozambique. *US \$500,000*. Co-PI
- 2014 – 2019 **Department for International Development**. Estimating global dependence of livelihoods on forests and the impacts of forest investments. *US \$3 million*. Co-PI
- 2014 – 2016 **Global Innovation Initiative – Institute of International Education**. Climate change mitigation, avoided deforestation and commodity agriculture: assessing private sector innovation for sustainable coffee and cattle in Brazil. *US \$250,000*. Co-PI

- 2013 – 2014 **Food and Agriculture Organization of the United Nations.** Documenting lessons from IFRI research and data on developing forest policies and programs on community forestry. *US \$25,000.* Co-PI
- 2012 – 2014 **National Socio-Environmental Synthesis Center (SESYNC).** Forest social ecological systems for actionable science. *~US \$95,000 in-kind support for three workshops.* Co-PI
- 2012 – 2014 **CGIAR research program on Climate Change, Agriculture and Food Security (CCAFS).** Livelihoods, carbon, and the governance of the forest-agriculture frontier. *US \$145,000.* Co-PI
- 2012 – 2013 **World Bank Social Development department.** Community forest management and REDD+. *US \$135,000.* PI
- 2007 – 2011 **Natural Environment Research Council PhD studentship.** *Tuition, stipend, and fieldwork costs for 3.5 years.*
- 2006 – 2007 **Natural Environment Research Council MSc studentship.** *Tuition, stipend, and fieldwork costs for 1 year.*

Internally funded competitive grants

- 2020 – 2021 **State University of Santa Cruz Visiting Researcher program.** The governance of sustainable commodity supply chains: the case of cacao in southern Bahia. *Flights & accommodation.* Co-PI
- 2019 – 2021 **University of Colorado Boulder Outreach and Community Engagement Interdisciplinary/Interdepartmental Faculty Group Award.** Sustainable development in Brazil's forests: education and exchange. *US \$24,000.* PI
- 2019 – 2020 **University of Colorado Boulder Institute of Behavioral Science Research Development Award.** Rural economies in transition: opportunities for sustainable socio-economic development among cacao producers in Brazil and Colombia. *US \$12,000.* PI
- 2018 – 2019 **University of Colorado Boulder Outreach and Community Engagement Interdisciplinary/Interdepartmental Faculty Group Award.** A pilot Colorado-Brazil program on sustainable development education. *US \$24,000.* Co-PI
- 2017 – 2018 **University of Colorado Boulder Center for Science and Technology Policy Research seed funding program.** Emerging responses to genetically modified crops in Boulder County. *US \$6,000.* Co-PI
- 2017 – 2018 **University of Colorado Boulder Innovative Seed Grant.** Reducing deforestation and improving livelihoods through innovative subnational governance: learning lessons from the state of Acre, Brazil. *US \$43,848.* PI
- 2016 – 2017 **University of Colorado Boulder Outreach and Community Engagement Interdisciplinary/Interdepartmental Faculty Group Award.** 'Dig In! to local food' community literacy project. *US \$24,000.* Co-PI
- 2015 – 2016 **University of Colorado Boulder School of Environment and Sustainability seed grant.** Insect protein as a sustainable alternative to soy and fish in animal feed. *US \$20,000.* PI
- 2015 – 2016 **University of Colorado Boulder School of Environment and Sustainability.** Teaching Scholars Program. *US \$1,000.* PI

- 2015 **University of Colorado Boulder Faculty Teaching Excellence Program New Assistant Professor Program course development grant.** Sustainable Food Systems. *US \$4,000.* PI
- 2013 – 2014 **University of Michigan and São Paulo Research Foundation (FAPESP).** Governance of land-use change: a collaboration to understand the impacts of institutional arrangements on Amazonian forest resource use. *US \$40,000.* Co-PI

RESEARCH

Publications

G = graduate student advisee; U = undergraduate student advisee; ^ = shared first authorship; * = corresponding author

Peer reviewed journal articles published or accepted (J)

- J39. Bragança, A., **Newton, P.**, Cohn, A., Assunção, J., Camboim, C., de Faveri, D., Farinelli, B., Perego, V.M.E., Tavares, M., Resende, J., de Medeiros, S., Searchinger, T.D. 2022. Extension services can promote pasture restoration: Evidence from Brazil's low carbon agriculture plan. *Proceedings of the National Academy of Sciences of the United States of America* 119, e2114913119. Available at: <https://www.pnas.org/doi/10.1073/pnas.2114913119>
- J38. ^Hajjar, R./^**Newton, P.**, Ihalainen, M., Agrawal, A., Alix-Garcia, J., Castle, S.E., Erbaugh, J.T., Gabay, M., Hughes, K., Mawutor, S., Pacheco, P., Schoneveld, G., Timko, J.A. 2021. Levers for alleviating poverty in forests. *Forest Policy and Economics* 132, 102589. Available at: <https://www.sciencedirect.com/science/article/pii/S1389934121001957>
- J37. Miller, D.C., Mansourian, S., Gabay M., Hajjar, R., Jagger, P., Kamoto, J., **Newton, P.**, Oldekop, J., Razafindratsima, O.H., Shyamsundar, P., Sunderland, T., Wildburger, C. 2021. Forests, trees and poverty alleviation: Policy implications of current knowledge. *Forest Policy and Economics* 131, 102566. Available at: <https://www.sciencedirect.com/science/article/pii/S1389934121001726>
- J36. Hajjar, R., Cheek, J.Z., Jagger, P., Kamoto, J., **Newton, P.**, Oldekop, J.A., Razafindratsima, O.H. 2021. Research frontiers on forests, trees, and poverty dynamics. *Forest Policy and Economics* 131, 102554. Available at: <https://www.sciencedirect.com/science/article/pii/S138993412100160X>
- J35. Perosa, B., **Newton, P.**, Carrer, M.J. 2021. Access to information affects the adoption of integrated systems by farmers in Brazil. *Land Use Policy* 106, 105459. Available at: <https://www.sciencedirect.com/science/article/pii/S0264837721001824>
- J34. Bailey, K.M., Salerno, J., **Newton, P.**, Bitariho, R., Namusisi, S., Tinkasimire, R., Hartter, J. 2021. Woodlot management and livelihoods in a tropical conservation landscape. *Ambio*. DOI: 10.1007/s13280-020-01484-9. Available at: <https://link.springer.com/article/10.1007/s13280-020-01484-9>
- J33. **Newton, P.**, Blaustein-Rejto, D. 2021. Social and economic opportunities and challenges of plant-based and cultured meat for rural producers in the US. *Frontiers in Sustainable Food Systems*. DOI: 10.3389/fsufs.2021.624270. Available at: <https://www.frontiersin.org/articles/10.3389/fsufs.2021.624270/full>
- J32. Hajjar, R./Oldekop, J.A., Cronkleton, P., **Newton, P.**, Russell, A.J.M., Zhou, W. 2021. A global analysis of the social and environmental outcomes of community forests. *Nature Sustainability*.

- DOI: 10.1038/s41893-020-00633-y. Available at: <https://www.nature.com/articles/s41893-020-00633-y>
- J31. **Newton, P.**, Civita, N., Frankel-Goldwater, L., Bartel, K., Johns, C. 2020. What is regenerative agriculture? A review of scholar and practitioner definitions based on processes and outcomes. *Frontiers in Sustainable Food Systems*. DOI: 10.3389/fsufs.2020.577723. Available at: <https://www.frontiersin.org/articles/10.3389/fsufs.2020.577723/full>
- J30. **Newton, P.**, Kinzer, A.T., Miller, D.C., Oldekop, J.A., Agrawal, A. 2020. The number and spatial distribution of forest-proximate people globally. *One Earth* 3, 363–370. Available at: <https://www.sciencedirect.com/science/article/pii/S2590332220304255>
- J29. ^GCapelari, M.G.M., Gomes, R.C., de Araújo, S.M.V.G., **Newton, P.** 2020. Governance and deforestation: understanding the role of formal rule-acknowledgement by residents in Brazilian extractive reserves. *International Journal of the Commons* 14(1), 245–261. Available at: <https://www.thecommonsjournal.org/articles/10.5334/ijc.966/>
- J28. ^UAdamovic, E., ***Newton, P.**, House, V. 2020. Food insecurity on a college campus: prevalence, determinants, and solutions. *Journal of American College Health* DOI: 10.1080/07448481.2020.1725019. Available at: <https://www.tandfonline.com/eprint/HUXICAMFZCTBPT464GEB/full?target=10.1080/07448481.2020.1725019>
- J27. ^GDancer, A., ***Newton, P.**, House, V. 2019. The difficulties of developing local food systems: perspectives of farmers and other key stakeholders in Boulder County, Colorado. *Food Studies: An Interdisciplinary Journal* 9(4), 1–20. Available at: https://cgscholar.com/bookstore/works/the-difficulties-of-developing-local-food-systems-d05f27bc-478f-4932-990f-6808b3b154b9?category_id=cgrn&path=cgrn%2F219%2F220
- J26. [^]Hajjar, R./[^]**Newton, P.**, Adshead, D., ^GBogaerts, M., Maguire-Rajpaul, V., Pinto, L.F.G., McDermott, C.L., Milder, J.C., Wollenberg, E., Agrawal, A. 2019. Scaling up sustainability in commodity agriculture: transferability of governance mechanisms across the coffee and cattle sectors in Brazil. *Journal of Cleaner Production* 206, 124–132. Available at: <https://www.sciencedirect.com/science/article/pii/S0959652618328221?via%3Dihub>
- J25. Buckley, K.J., ***Newton, P.**, Gibbs, H.K., McConnel, I., Ehrmann, J. 2019. Pursuing sustainability through multi-stakeholder collaboration: a description of the governance, actions, and perceived impacts of the roundtables for sustainable beef. *World Development* 121, 203–217. Available at: <https://www.sciencedirect.com/science/article/pii/S0305750X18302481>
- J24. **Newton, P.**, ^GBenzeev, R. 2018. The role of zero-deforestation commitments in protecting and enhancing rural livelihoods. *Current Opinion in Environmental Sustainability* 32, 126–133. Available at: <https://www.sciencedirect.com/science/article/pii/S1877343517301550>
- J23. Alves-Pinto, H.N., Hawes, J.E., **Newton, P.**, Feltran-Barbieri, R., Peres, C.A. 2018. Economic impacts of payments for environmental services on livelihoods of agro-extractivist communities in the Brazilian Amazon. *Ecological Economics* 152, 378–388. Available at: <https://www.sciencedirect.com/science/article/pii/S0921800917315525>
- J22. Lambin, E.F., Gibbs, H.K., Heilmayr, R., Carlson, K.M., Fleck, L.C., Garrett, R.D., de Waroux, Y.L.P., McDermott, C.L., McLaughlin, D., **Newton, P.**, Nolte, C., Pacheco, P., Rausch, L.L., Streck, C., Thorlakson, T., Walker, N.F. 2018. The role of supply-chain initiatives in reducing deforestation. *Nature Climate Change* 8, 109–116. Available at: <https://www.nature.com/articles/s41558-017-0061-1>

- J21. ^Cohn, A.S./^**Newton, P.**, Gil, J.D.B., Kuhl, L., Samberg, L., Ricciardi, V., Manly, J.R., Northrop, S. 2017. Smallholder agriculture and climate change. *Annual Review of Environment and Resources* 42, 347–375. Available at: <http://www.annualreviews.org/doi/abs/10.1146/annurev-environ-102016-060946>
- J20. ^GBogaerts, M., ^GCirhigiri, L., ^GRobinson, I., ^GRodkin, M., Hajjar, R., Costa Junior, C., ***Newton, P.** 2017. Climate change mitigation through intensified pasture management: estimating greenhouse gas emissions on cattle farms in the Brazilian Amazon. *Journal of Cleaner Production* 162, 1539–1550. Available at: <http://www.sciencedirect.com/science/article/pii/S0959652617313008>
- J19. Gil, J.D.B., Cohn, A.S., Duncan, J., **Newton, P.**, Vermeulen, S. 2017. The resilience of integrated agricultural systems to climate change. *Wiley Interdisciplinary Reviews: Climate Change* 8(4), e461. Available at: <http://onlinelibrary.wiley.com/doi/10.1002/wcc.461/full>
- J18. Jung, S., Rasmussen, L.V., Watkins, C., **Newton, P.**, Agrawal, A. 2017. Brazil’s national environmental registry of rural properties: implications for livelihoods. *Ecological Economics* 136, 53–61. Available at: <http://www.sciencedirect.com/science/article/pii/S0921800916308758>
- J17. **Newton, P.**, Gomez, A.E.A., Jung, S., Kelly, T., Mendes, T.d.A., Rasmussen, L.V., dos Reis, J.C., Rodrigues, R.d.A.R., Tipper, R., van der Horst, D., Watkins, C. 2016. Overcoming barriers to low carbon agriculture and forest restoration in Brazil: the *Rural Sustentável* project. *World Development Perspectives* 4, 5–7. Available at: <http://www.sciencedirect.com/science/article/pii/S2452292916301321>
- J16. **Newton, P.**, Miller, D.C., Byenkya, M.A.A., Agrawal, A. 2016. Who are forest-dependent people? A taxonomy to guide livelihood and land use decision-making in forested regions. *Land Use Policy* 57, 388–395. Available at: <http://www.sciencedirect.com/science/article/pii/S0264837716300497>
- J15. **Newton, P.**, Oldekop, J.A., Brodnig, G., Karna, B.K., Agrawal, A. 2016. Carbon, biodiversity, and livelihoods in forest commons: synergies, trade-offs, and implications for REDD+. *Environmental Research Letters* 11(4), 044017. Available at: <http://iopscience.iop.org/article/10.1088/1748-9326/11/4/044017/meta>
- J14. Hajjar, R./Oldekop, J.A., Cronkleton, P., Etue, E., **Newton, P.**, Russel, A.J.M., Tjajadi, J.S., Zhou, W., Agrawal, A. 2016. The data not collected on community forestry. *Conservation Biology* 30(6), 1357–1362. Available at: <http://onlinelibrary.wiley.com/doi/10.1111/cobi.12732/full>
- J13. **Newton, P.**, Alves-Pinto, H.N., Pinto, L.F.G. 2015. Certification, forest conservation, and cattle: theories and evidence of change in Brazil. *Conservation Letters* 8(3), 206–213. Available at: <http://onlinelibrary.wiley.com/doi/10.1111/conl.12116/full>
- J12. **Newton, P.**, ^GSchaap, B., ^GFournier, M., ^GCornwall, M., ^GRosenbach, D.W., ^GDeBoer, J., ^GWhittemore, J., ^GStock, R., ^GYoders, M., Brodnig, G., Agrawal, A. 2015. Community forest management and REDD+. *Forest Policy and Economics* 56, 27–37. Available at: <http://www.sciencedirect.com/science/article/pii/S138993411500057X>
- J11. Alves-Pinto H.N., ***Newton P.**, Pinto L.F.G. 2015. Reducing deforestation and enhancing sustainability in commodity supply chains: interactions between governance interventions and cattle certification in Brazil. *Tropical Conservation Science* 8(4), 1053–1079. Available at: <http://journals.sagepub.com/doi/abs/10.1177/194008291500800414>

- J10. Milder, J.C., Arbuthnot, M., Blackman, A., Brooks, S.E., Giovannucci, D., Gross, L., Kennedy, E.T., Komives, K., Lambin, E.F., Lee, A., Meyer, D., **Newton, P.**, Phalan, B., Schroth, G., Semroc, B., van Rikxoort, H., Zrust, M. 2015. An agenda for assessing and improving conservation impacts of sustainability standards in tropical agriculture. *Conservation Biology* 29(2), 309–320. Available at: <http://onlinelibrary.wiley.com/doi/10.1111/cobi.12411/full>
- J9. ^GWinters, P., ^GKuo, H., ^GNiljinda, C., ^GChen, B., Alves-Pinto, H.N., ^GOngun, M., Daryanto, S., ***Newton, P.** 2015. Voluntary certification design choices influence producer participation, stakeholder acceptance, and environmental sustainability in commodity agriculture sectors in tropical forest landscapes. *Journal of Sustainable Forestry* 34(6–7), 581–604. Available at: <http://www.tandfonline.com/doi/abs/10.1080/10549811.2015.1017884>
- J8. Vargas, F. de S., de Almeida, P.D.O., Aranha, E.S.P., Boleti, A.P. de A., **Newton, P.**, de Vasconcellos, M.C., Veiga Junior, V.F., Lima, E.S. 2015. Biological activities and cytotoxicity of diterpenes from *Copaifera* spp. oleoresins. *Molecules* 20(4), 6194–6210. Available at: <http://www.mdpi.com/1420-3049/20/4/6194/htm>
- J7. **Newton, P.**, Agrawal, A., Wollenberg, L. 2013. Enhancing the sustainability of commodity supply chains in tropical forest and agricultural landscapes. *Global Environmental Change* 23(6), 1761–1772. Available at: <http://www.sciencedirect.com/science/article/pii/S0959378013001398>
- J6. **Newton, P.**, Endo, W., Peres, C.A. 2012. Determinants of livelihood strategy variation in two extractive reserves in Amazonian flooded and unflooded forest. *Environmental Conservation* 39(2), 97–110. Available at: <https://www.cambridge.org/core/journals/environmental-conservation/article/determinants-of-livelihood-strategy-variation-in-two-extractive-reserves-in-amazonian-flooded-and-unflooded-forests/E9152EA3E6ACFD922D23050D4434F157>
- J5. **Newton, P.**, Nichols, E.S., Endo, W., Peres, C.A. 2012. Consequences of actor level livelihood heterogeneity for additionality in a tropical forest payment for environmental services programme with an undifferentiated reward structure. *Global Environmental Change* 22(1), 127–136. Available at: <http://www.sciencedirect.com/science/article/pii/S0959378011001592>
- J4. **Newton, P.**, Peres, C.A., Desmoulière, S.J.M., Watkinson, A.R. 2012. Cross-scale variation in the density and spatial distribution of an Amazonian non-timber forest resource. *Forest Ecology and Management* 276, 41–51. Available at: <http://www.sciencedirect.com/science/article/pii/S0378112712001855>
- J3. **Newton, P.**, Watkinson, A.R., Peres, C.A. 2012. Spatial, temporal, and economic constraints to the commercial extraction of a non-timber forest product: copaíba (*Copaifera* spp.) oleoresin in Amazonian reserves. *Economic Botany* 66, 165–177. Available at: <https://link.springer.com/article/10.1007/s12231-012-9198-z>
- J2. **Newton, P.**, Watkinson, A.R., Peres, C.A. 2011. Determinants of yield in a non-timber forest product: *Copaifera* oleoresin in Amazonian extractive reserves. *Forest Ecology and Management* 261(2), 255–264. Available at: <http://www.sciencedirect.com/science/article/pii/S0378112710006262>
- J1. **Newton, P.**, Nguyen T.V., Robertson, S., Bell, D. 2008. Pangolins in peril: using local hunters' knowledge to conserve elusive species in Vietnam. *Endangered Species Research* 6, 41–53. Available at: <http://www.int-res.com/abstracts/esr/v6/n1/p41-53/>

Global assessment reports (GR)

- GR3. [^]Hajjar, R./[^]**Newton, P.**, Ihalainen, M. Agrawal, A., Gabay, M., Alix-Garcia, J., Brown, S.E., Erbaugh, J.T., Hughes, K., Mawutor, S., Pacheco, P., Schoneveld, G., Song, C., Timko, J. 2020.

- Levers for reducing poverty in forests and tree-based landscapes. *In*: Miller, D.C., Mansourian, S., Wildburger, C. (eds.). 2020. Forests, Trees and the Eradication of Poverty: Potential and Limitation. A Global Assessment Report. *International Union of Forest Research Organizations World Series Volume 39*. Vienna. 240 p. Available at: <https://www.iufro.org/science/gfep/gfep-initiative/panel-on-forests-and-poverty/>
- GR2. Miller, D.C., Mansourian, S., Cheek, J.Z., Gabay, M., Hajjar, R., Jagger, P.A., Kamoto, J., **Newton, P.**, Oldekop, J.A., Razafindratsima, O.H., Shyamsundar, P., Wildburger, C. 2020. Conclusion: Forests, Trees and the Eradication of Poverty. *In*: Miller, D.C., Mansourian, S., Wildburger, C. (eds.). 2020. Forests, Trees and the Eradication of Poverty: Potential and Limitation. A Global Assessment Report. *International Union of Forest Research Organizations World Series Volume 39*. Vienna. 240 p. Available at: <https://www.iufro.org/science/gfep/gfep-initiative/panel-on-forests-and-poverty/>
- GR1. Miller, D.C., Cheek, J.Z., **Newton, P.**, Wildburger, C., Sunderland, T., Jagger, P.A. 2020. Introduction: Forests, Trees and Poverty. *In*: Miller, D.C., Mansourian, S., Wildburger, C. (eds.). 2020. Forests, Trees and the Eradication of Poverty: Potential and Limitation. A Global Assessment Report. *International Union of Forest Research Organizations World Series Volume 39*. Vienna. 240 p. Available at: <https://www.iufro.org/science/gfep/gfep-initiative/panel-on-forests-and-poverty/>

Working papers (WP)

- WP8. ^GBogaerts, M., ^GCirhigiri, L., ^GRobinson, I., ^GRodkin, M., Hajjar, R., Costa Junior, C., ***Newton, P.** 2016. *Climate change mitigation through intensified pasture management: Estimating greenhouse gas emissions on cattle farms in the Brazilian Amazon*. CCAFS Working Paper No. 188. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Available at: <https://ccafs.cgiar.org/publications/climate-change-mitigation-through-intensified-pasture-management-estimating-greenhouse#.WaBWzSiGOUk>
- WP7. Pinto, L.F.G., Hajjar, R., **Newton, P.**, Agrawal, A., Adshead, D., Bini, D., ^GBogaerts, M., ^GCirhigiri, L., Maguire-Rajpaul, V.A., González Chaves, A., McDermott, C., Milder, J.C., Pinho, P., ^GRobinson, I., ^GRodkin, M., Wollenberg, E.K. 2016. *Transitioning to more sustainable, low-emissions agriculture in Brazil*. CCAFS Info Note. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Available at: <https://ccafs.cgiar.org/publications/transitioning-more-sustainable-low-emissions-agriculture-brazil#.WaBXHSiGOUk>
- WP6. **Newton, P.**, Oldekop, J., Agrawal, A., Cronkleton, P., Etue, E., Russell, A.J.M., Tjajadi, J.S., Zhou, W. 2015. *What are the biophysical, institutional, and socio-economic contextual factors associated with improvements in livelihood and environmental outcomes in forests managed by communities? A systematic review protocol*. Working Paper 172. Bogor, Indonesia: Center for International Forestry Research (CIFOR). Available at: <http://www.cifor.org/nc/online-library/browse/view-publication/publication/5494.html>
- WP5. ^GWinters, P., ^GKuo, H., ^GNiljinda, C., ^GChen, B., ^GOngun, M., Alves-Pinto, H.N., Daryanto, S., ***Newton, P.**, 2015. *Designing for value: structuring voluntary certification programs to increase stakeholder acceptance*. CCAFS Working Paper No. 141. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Available at: <https://ccafs.cgiar.org/publications/designing-value-structuring-voluntary-certification-programs-increase-stakeholder#.WaBYVCiGOUk>

- WP4. Simonet, G. Karsenty, A., de Perthuis, C., **Newton, P.**, de Perthuis, C., ^GSchaap, B., Seyller, C. 2015. *REDD+ projects in 2014: an overview based on a new database and typology*. Information and debates series. No. 32. Paris, France: Les Cahiers de la Chaire Economie du Climat. Available at: <http://www.chaireeconomieduclimat.org/en/publications-en/information-debates/id-32-redd-projects-in-2014-an-overview-based-on-a-new-database-and-typology/>
- WP3. **Newton, P.**, ^GFournier, M., ^GCornwall, M., ^GDeBoer, J., ^GRosenbach, D., ^GSchaap, B., ^GStock, R., ^GWhittemore, J., ^GYoders, M., Brodnig, G., Agrawal, A. 2014. Community forest management and REDD+. Washington, D.C.: World Bank Program on Forests (PROFOR). Available at: <http://documents.worldbank.org/curated/en/335371468330279299/Community-forest-management-and-REDD>
- WP2. Alves-Pinto H.N., **Newton P.**, Pinto L.F.G. 2013. *Certifying sustainability: opportunities and challenges for the cattle supply chain in Brazil*. CCAFS Working Paper No. 57. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Available at: <https://ccafs.cgiar.org/publications/certifying-sustainability-opportunities-and-challenges-cattle-supply-chain-brazil#.WaBZhCiGOUk>
- WP1. **Newton, P.**, Agrawal, A., Wollenberg, L. 2013. *Interventions for achieving sustainability in tropical forest and agricultural landscapes*. CAPRI Working Paper No. 110. Washington, D.C.: International Food Policy Research Institute. Available at: <http://dx.doi.org/10.2499/CAPRIWP110>

Book reviews (BR)

- BR1. **Newton, P.** 2014. Energy: Overdevelopment and the Delusion of Endless Growth, Tom Butler and George Wuerthner (eds.), Foundation for Deep Ecology in collaboration with Watershed Media and the Post Carbon Institute (2012). ix + 277 pp., \$32.50, ISBN-13: 978-0970950086, hardcover. *Biological Conservation* 172: 214. Available at: <http://www.sciencedirect.com/science/article/pii/S0006320714000780>

Datasets (D)

- D1. Ostrom, E., Huntington, H., Andersson, K., Banana, A., Castallenos, E., Chhatre, A., England, J., Ghate, R., Gombya-Ssembajjwe, W., Karna, B., Leon, R., Liang, W., Marquez, L., Mereno, L., **Newton, P.**, Persha, L., Tatomir, J., Salk, C., Tucker, C., Agrawal, A. 2016. IFRI codebook, Online version. 1st edition. Available at: <http://www.forestlivelihoods.org/ifri-dataset/>

Teaching publications (TP)

- TP2. **Newton, P.** 2017. Using Experiential Learning to Enhance Student Engagement. *In: Making Teaching and Learning Visible: Course Portfolios*. Faculty Teaching Excellence Program. University of Colorado Boulder. Available at: <http://www.colorado.edu/ftpe/2017/06/26/using-experiential-learning-enhance-student-engagement>
- TP1. **Newton, P.**, Cohn, A.S. 2015. Multi-‘steak’holder sustainability: reduced deforestation and the cattle agreement in Brazil. A case-study for teaching. *In: Teaching Socio-Environmental Synthesis with Case Studies 2014*. Annapolis, Maryland: Socio-Environmental Synthesis Center (SESYNC). Available at: <https://www.sesync.org/multi-steak-holder-sustainability-reduced-deforestation-and-the-cattle-agreement-in-brazil-2014-9>

Other publications (O)

- O2. Duckworth, J.W., Pattanavibool, A., **Newton, P.**, Nguyen Van Nhuan. 2008. *Manis javanica*. The IUCN Red List of Threatened Species 2008: e.T12763A3379014. Available at: <https://www.iucnredlist.org/species/12763/3379014>

- O1. Duckworth, J.W., Steinmitz, R., Pattanavibool, A., Than Zaw, Do Tuoc, **Newton, P.** 2008. *Manis pentadactyla*. The IUCN Red List of Threatened Species 2008: e.T12764A3379355. Available at: <https://www.iucnredlist.org/species/12764/3379355>

Presentations

Conferences talks

Sustainability and Development Initiative: Sustainability and Development Conference. *Online*. Jan 24-28, 2022.

American Association of Geographers Annual Meeting, *Denver, CO, USA*. Abstract accepted. Scheduled for Apr 6-10, 2020. Conference cancelled due to COVID-19.

Forests & Livelihoods: Assessment, Research, and Engagement (FLARE) network fourth annual meeting. *University of Copenhagen, Denmark*. Oct 17-20, 2018.

Forests & Livelihoods: Assessment, Research, and Engagement (FLARE) network second annual meeting. *University of Edinburgh, U.K.* Dec 2-5, 2016.

Forests & Livelihoods: Assessment, Research, and Engagement (FLARE) network first annual meeting. *Musée de l'Homme, Paris, France*. Nov 27-30, 2015.

Association of American Geographers Annual Meeting. *Hyatt Regency Hotel, Chicago, IL, USA*. Apr 21-25, 2015.

Global Land Project 2nd Open Science Meeting. *Humboldt-Universität, Berlin, Germany*. Mar 19-21, 2014.

Global Landscapes Forum, *University of Warsaw, Poland*. Nov 16-17, 2013.

Association of American Geographers Annual Meeting. *Westin Bonaventure Hotel, Los Angeles, CA, USA*. Apr 9-13, 2013.

19th Annual Conference of the International Society of Tropical Foresters. *Yale School of Forestry & Environmental Studies, New Haven, CT, USA*. Jan 24-26, 2013.

CGIAR Collective Action and Property Rights (CAPRI) International Research Workshop: Institutions for Inclusive Climate-Smart Agriculture. *World Agroforestry Centre (ICRAF), Nairobi, Kenya*. Sept 10-14, 2012.

The Sixth International Conference on Community-Based Adaptation (CBA6). *Melia Hotel, Hanoi, Vietnam*. Apr 16-22, 2012.

25th International Congress for Conservation Biology. *Sky City Auckland Convention Center, Auckland, New Zealand*. Dec 5-9, 2011.

11th Student Conference on Conservation Science. *University of Cambridge, Cambridge, UK*. Mar 23-25, 2010.

10th annual conference of the Centre for Ecology, Evolution and Conservation. *University of East Anglia, Norwich, UK*. Feb 25-26, 2010.

Conference posters

Forests & Livelihoods: Assessment, Research, and Engagement (FLARE) network second annual meeting. *University of Edinburgh, U.K.* Dec 2-5, 2016.

Student Conference on Conservation Science. *American Museum of Natural History, New York, USA*. Nov 3-5, 2010.

Invited talks

Alternative proteins fundamentals programme. *Cambridge University Alt. Protein Society, UK*. Online. Mar 17, 2022.

Cultivated meat and alt-proteins: socio-economic impacts and consumers' expectations. *Federal University of Paraná*. Online. Mar 7, 2022.

Plant Futures Symposium, *University of Berkeley, CA*. Online. Jan 28, 2022.

Research to End the Consumption of Animal Products (RECAP), *Webinar*. Aug 3, 2021.

Boulder Alt-Protein Project, *University of Colorado Boulder, CO, USA*. Webinar. Jan 27, 2021.

Environmental Studies Program colloquium series, *University of Colorado Boulder, CO, USA*. Sep 23, 2020.

Panelist: Fire and climate change in Brazil. Latin American Studies Center, Geography Department colloquium series, *University of Colorado Boulder, CO, USA*. Feb 28, 2020.

Scripps Fellows lunchtime seminar series, Center for Environmental Journalism, *University of Colorado Boulder, CO, USA*. Feb 20, 2020.

Environment and Society Program, Institute of Behavioral Science, *University of Colorado Boulder, CO, USA*. Apr 18, 2018.

Governors' Climate and Forests Task Force seminar series, *University of Colorado Boulder, CO, USA*. Feb 27, 2018.

Ecology Department *EcoEcontros* seminar series, *University of São Paulo, São Paulo, Brazil*. Jun 1, 2016.

Geography Department colloquium series, *University of Colorado Boulder, CO, USA*. Apr 15, 2016.

Environmental Studies Program colloquium series, *University of Colorado Boulder, CO, USA*. Nov 11, 2015.

Investigate Careers in the Environment (ICE) talk, *University of Colorado Boulder, CO, USA*. Sept 29, 2015.

FAPESP-US joint research on the Amazon rainforest, *Wilson Center, Washington, D.C., USA*. Oct 28, 2014.

Environmental Studies Program (job talk), *University of Colorado Boulder, CO, USA*. Feb 17, 2014.

Department of Earth and Environment (job talk), *Boston University, Boston, MA, USA*. Feb 3, 2014.

Biology Department seminar series. *Aquinas College, Grand Rapids, MI, USA*. Oct 11, 2013.

Latin America and Caribbean Environment Group. *School of Natural Resources and Environment, University of Michigan, Ann Arbor, MI, USA*. Dec 3, 2012.

School of Natural Resources and Environment (job talk), *University of Michigan, Ann Arbor, MI, USA*. Nov 3, 2011.

Zoology Department seminar series. *University of Cambridge, Cambridge, UK*. May 6, 2011.

British Trust for Ornithology seminar series. *BTO, Thetford, UK*. Mar 25, 2011.

Centre for Ecology, Evolution and Conservation weekly seminar series. *University of East Anglia, Norwich, UK*. Nov 23, 2011.

4th ProBUC workshop (in Portuguese), *Bauana field station, Reserva de Desenvolvimento Sustentável Uacari, Amazonas, Brazil*. May 14, 2009.

Centre for Ecology, Evolution and Conservation weekly seminar series. *University of East Anglia, Norwich, UK*. Nov 25, 2008.

Centre for Ecology, Evolution and Conservation weekly seminar series. *University of East Anglia, Norwich, UK*. Oct 21, 2008.

Conferences organized

Forest & Livelihoods: Assessment, Research, and Engagement (FLARE) network first Twitter conference. Oct 26-29, 2020. Conference coordination committee and session chair.

Forest & Livelihoods: Assessment, Research, and Engagement (FLARE) network sixth annual meeting. Conference coordination committee. *American University, Washington, D.C., USA*. Scheduled for Oct 9-11, 2020. Postponed due to COVID-19.

Forest & Livelihoods: Assessment, Research, and Engagement (FLARE) network fourth annual meeting. Conference coordination committee and session chair. *University of Copenhagen, Denmark*. Oct 17-20, 2018.

Forest & Livelihoods: Assessment, Research, and Engagement (FLARE) network third annual meeting. Conference coordination committee and session chair. *Stockholm University, Sweden*. Sept 29-Oct 2, 2017.

Forest & Livelihoods: Assessment, Research, and Engagement (FLARE) network second annual meeting. Conference coordination committee and session chair. *University of Edinburgh, U.K.* Dec 2-5, 2016.

Forest & Livelihoods: Assessment, Research, and Engagement (FLARE) network first annual meeting. Conference coordination committee and session chair. *Musée de l'Homme, Paris, France*. Nov 27-30, 2015.

10th conference of the Centre for Ecology, Evolution and Conservation. Conference coordination committee. *University of East Anglia, Norwich, UK*. Feb 25-26, 2010.

Conference sessions & panels organized

Panel moderator: Food Security. At: 7th annual Conscious Capitalism Conference: Center for Education on Social Responsibility, *Leeds School of Business, University of Colorado Boulder, USA*. Apr 10, 2017.

Session co-chair (with Avery Cohn): Land change effects of governance interventions in agricultural systems: cattle ranching in northern Brazil. At: Global Land Project 2nd Open Science Meeting. *Humboldt-Universität, Berlin, Germany*. Mar 20, 2014.

Session co-chair (with Xiaoting Hou): Managing landscapes for food, fuel, fiber and forests: innovative outlooks in a time of food insecurity and climate change. At: Global Landscapes Forum. *University of Warsaw, Poland*. Nov 16, 2013.

Workshops organized

Workshop co-chair (with Avery Cohn, Juliana Gil, and Daniel Miller): Rural livelihoods – a landscape perspective. At: Forests & Livelihoods: Assessment, Research, and Engagement (FLARE) network first annual meeting. *Musée de l'Homme, Paris, France*. Nov 30, 2015.

Workshop co-chair (with Reem Hajjar): Scaling up certification in the cattle supply chain in Brazil. Project and training workshop. *Imaflora, Piracicaba, Brazil*. May 25-27, 2015.

Workshop co-chair (with Arun Agrawal): International Forestry Resources & Institutions (IFRI) Research on Forest Social Ecological Systems for Actionable Science. Venture meeting III. *National Socio-Environmental Synthesis Center (SESYNC), Annapolis, Maryland, USA*. May 27-28, 2014.

Workshop co-chair (with Arun Agrawal): International Forestry Resources & Institutions (IFRI) Research on Forest Social Ecological Systems for Actionable Science. Venture meeting II. *National Socio-Environmental Synthesis Center (SESYNC), Annapolis, Maryland, USA*. Oct 28-31, 2013.

Workshop co-chair (with Arun Agrawal): International Forestry Resources & Institutions (IFRI) Research on Forest Social Ecological Systems for Actionable Science. Venture meeting I. *National Socio-Environmental Synthesis Center (SESYNC), Annapolis, Maryland, USA*. June 18-19, 2013.

Workshop co-chair (with Lini Wollenberg): Governance of mitigation in agriculture-forest landscapes. *Ford Foundation, Jakarta, Indonesia*. Feb 8, 2013.

Workshop co-chair (with Joe Hawes and Endo Whaldener). 3rd Projeto Médio Juruá workshop. *Bauana field station, Reserva de Desenvolvimento Sustentável Uacari, Amazonas, Brazil*. Sept 14-15, 2009.

Workshop co-chair (with Joe Hawes and Endo Whaldener). 1st Projeto Médio Juruá workshop. *Bauana field station, Reserva de Desenvolvimento Sustentável Uacari, Amazonas, Brazil*. Mar 22-23, 2008.

Workshop & symposia participation

Supply Chain Sustainability Virtual Research and Learning Symposium. Invited participant. *Online*. June 12-30, 2020

Governors' Climate and Forests Task Force Annual Meeting. Invited participant. *Parc 55 Hotel, San Francisco, CA, USA*. Sept 11, 2018.

The FLARE Livelihood and Wellbeing (LivWell) tool: A suite of applications and resources for measuring household livelihoods and wellbeing. *Stockholm University, Sweden*. Oct 2, 2017.

Food Law Workshop. Invited participant. *Colorado Law School, University of Colorado Boulder, USA*. May 22, 2017

Improving conservation outcomes from supply-chain interventions. Invited participant. *Gordon & Betty Moore Foundation, Palo Alto, CA*. Apr 20-22, 2016.

Sustainable forests and livelihoods network: community of practice planning meeting. Invited participant. *Rights and Resources Group, Washington, D.C*. Mar 11, 2015.

Community land tenure: CIFOR, RRI, WRI, & IFRI workshop. Invited participant. *Rights and Resources Group, Washington, D.C*. Nov 10, 2014.

Teaching socio-environmental synthesis with case studies. *National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD*. July 15-18, 2014.

Understanding the relationship between resource tenure and forest condition. USAID workshop. Invited participant. *Tenure and Global Climate Change Project Office, Arlington, VA.* Dec 19, 2013.

Climate and Land Use Alliance retreat. Invited participant. *Cavallo Point, Sausalito, CA.* Mar 10-13, 2014.

Technical Workshop on Socio-economic Assessment and Monitoring as part of National Forest Monitoring and Assessment (NFMA). Invited participant. *Food and Agriculture Organization (FAO) of the United Nations, Rome, Italy.* May 22-23, 2013.

The Forests Dialogue: Food, Fuel, Fiber and Forests (4Fs) field dialogue. Invited participant. *Capão Bonito, Brazil.* Nov 11-14, 2012.

DISCCRS VII Symposium (DISsertations initiative for the advancement of Climate Change ReSearch). *La Foret Conference Center, Colorado Springs, CO.* Oct 13-20, 2012.

Conferences attended (participation only, no presentation)

Heterodox Academy conference. Regency Hyatt, Denver. June 12-14, 2022. *(Scheduled)*

Forest & Livelihoods: Assessment, Research, and Engagement (FLARE) network seventh annual conference. *Online.* Nov 5-6, 2021.

Good Food Conference. *Online.* Sept 22-23, 2021.

Good Food Conference. *Clark Kerr Conference Center, UC Berkeley, CA, USA.* Sept 6-7, 2018.

World Congress on Integrated Crop-Livestock-Forestry Systems: 3rd International Symposium on Integrated Crop-Livestock Systems: towards sustainable intensification. *Centro de Convenções Ulysses Guimarães, Brasilia, Brazil.* July 13-17, 2015

A Question of Trust: Global Sustainability Standards Conference. *The Crystal, London, UK.* May 20-21, 2014.

Meeting on Tropical Forests, Climate Change, Integrated Reporting and the Post-2015 Sustainable Development Goals. The Prince's Charities: International Sustainability Unit. *The Royal Society, London.* Nov 20, 2013.

19th session of the Conference of the Parties (COP 19) to the UN Framework Convention on Climate Change (UNFCCC). *Warsaw, Poland.* Nov 18, 2013.

Planet Under Pressure. *London International Convention Centre, London, UK.* Mar 26-29, 2012.

Beyond Carbon: Ensuring Justice and Equity in REDD+ Across Levels of Governance *University of Oxford, UK.* Mar 23-24, 2012.

TEACHING

Program development

2016 – 2017 Designed, created, and led the curriculum for a new specialization in *Sustainable Food Systems* within the Masters of the Environment degree program (MENV) in the Environmental Studies Program at the University of Colorado Boulder

Teaching development

- 2017 Participated in an Arts & Sciences Support of Education Through Technology (ASSETT) Special Interest Group: *Encouraging and Developing Students' Critical Thinking Skills*
- 2017 Guest Speaker at the Summer Assessment Institute of the Faculty Teaching Excellence Program (FTEP)
- 2016 – 2017 Participated in the *Making Teaching Visible* project of the University of Colorado Boulder Faculty Teaching Excellence Program
- 2016 Guest speaker at a Faculty Teaching Excellence Program (FTEP) New Assistant Professor Program (NAPP) event: *Applying for grants for course (re)design*

Courses taught

Semester: S = Spring, F = Fall, M = Maymester; number of students enrolled in parentheses

ENVS 3525 Sustainable Food Systems. Undergraduate cornerstone course. F2015 (48), F2016 (53), F2017 (79), F2018 (62), F2019 (74), F2020 (72)

ENVS 4100-5100 Sustainability in Brazil. Combined undergraduate and graduate course. S2019 plus two weeks study abroad in Brazil in May 2019 (10 CU Boulder students, plus 20 students from two Brazilian universities). Co-taught with Dr. Colleen Scanlan Lyons, Dr. Bernard Amadei, and four professors from partner Brazilian universities. *Organized and scheduled for M2020 (12) but canceled due to COVID-19.*

ENVS 4800 Deforestation and Food. Undergraduate capstone course. S2015 (25), S2016 (21), S2017 (25), S2019 (28)

ENVS 4840 Tropical Forests and Food Systems. Combined undergraduate and graduate course. One-credit seminar. Co-taught with Dr. Colleen Scanlan Lyons. S2021 (15)

ENVS 4950 Honors thesis seminar. Undergraduate course. S2021 (11)

ENVS 5000 Policy, Science and the Environment. Graduate course. *Lead instructor:* F2016 (20). *Co-taught one module:* F2017 (12), F2018 (9), F2019 (10), F2020 (10)

ENVS 5909 Independent Study. Graduate course: S2017 (1), F2019 (2), S2020 (1), F2020 (2)

ENVS 6305 Evidence, Food and Environment. Graduate course. F2017 (23), F2018 (16), F2019 (26), S2021 (33)

ENVM 6003 Capstone Project. Advising: Summer2021 (4)

ENVM 6840 Independent Study. Graduate course: S2021 (3)

Guest speaker

Visiting Professor, Applied Ecology and Conservation Lab, State University of Santa Cruz, Ilhéus, Bahia, Brazil. Scheduled to deliver a 3-day course on 'The governance of sustainable commodity supply chains: the case of cacao in southern Bahia' in August 2020. Visit postponed due to COVID-19.

ENVS 1000 Introduction to Environmental Studies, Environmental Studies Program, University of Colorado Boulder. Apr 4, 2017; Nov 2, 2017.

NRE 563 International Environmental Policy, School of Natural Resources and Environment, University of Michigan. Feb 3, 2017.

ENVD 5346 Tricks of the Trade: A Doctoral Seminar, Environmental Design, University of Colorado Boulder. Nov 16, 2016.

CVEN 5929 Sustainable Community Development, Mortenson Center in Engineering for Developing Communities, University of Colorado Boulder. Nov 5, 2015; Nov 8, 2016.

PSCI 2116 Introduction to Environmental Governance. University of Colorado, Boulder. Nov 3, 2015; Nov 30, 2017; Apr 25, 2019; Dec 5, 2019.

NRE 501 Institutions and Resources: Theory and Methods Research Seminar. School of Natural Resources and Environment, University of Michigan. Oct 26, 2012.

BIO-M68Y Issues in Conservation Seminar, M.Sc. in Applied Ecology and Conservation. School of Biological Sciences, University of East Anglia, UK. Oct 20, 2011.

Student advisees: as their primary advisor

All students are in the Department of Environmental Studies at the University of Colorado Boulder unless otherwise noted

Graduate students

Hilary Brumberg. PhD student. Began in Aug 2021. I am one of four faculty co-advisors.

Leah Greiner, Emily Heckman, Nora Long, Julia Park. MENV student capstone project group. Faculty advisor. Jan-Dec 2021.

Waverly Eichhorst. PhD student. Began in Aug 2020.

Margaret Hegwood. PhD student. Began in Aug 2020. I co-advise her with Dr. Matthew Burgess.

Sebastián Dueñas Ocampo. PhD candidate. Began in Aug 2018. Passed preliminary exam in Nov 2019. Defended his prospectus in Aug 2020.

Rawinorn (Tip) Dulyakasem. PhD candidate. Began in Aug 2018. Passed preliminary exam in Jan 2020. Defended her prospectus in Nov 2020. I co-advise her with Dr. Cassandra Brooks.

Rayna Benzeev. PhD candidate. Began in Aug 2017. Passed preliminary exam in Apr 2019. Defended her prospectus in Dec 2019.

Ashley Dancer. MS-MBA. Began in Aug 2016. Defended in May 2018. Thesis: *‘What are the perceived opportunities for, and barriers to, the development of local food systems, and how can public policy respond? A case study from Boulder County, Colorado’*

Lee Frankel-Goldwater. PhD candidate. Began in the program in Aug 2015; I became his primary advisor in Jan 2021. Defended his prospectus in May 2021.

Undergraduate students

Kaitlin Netel. Honors thesis. Defended in Apr 2021. Thesis: *‘Consumer interest in and awareness of sustainable food: The case of the "Regenerative Organic Certified" eco-label’*

Eva Aneshansley. Honors thesis. Defended in Dec 2020. Thesis: *‘Impacts of food eco-labels on student consumer choices’*. Awarded a UROP grant.

Joseph Filmanowicz. Honors thesis. Defended in Apr 2019. Thesis: '*Class V sustainability: an analysis of food waste on outfitted river rafting trips*'

Panos Smyrnios. Honors thesis. Defended in Apr 2018. Thesis: '*Sustainable seafood: improving environmental attitudes, not increasing product information, can lead to greater willingness to pay*'

Madeline Gaffigan. Honors thesis. Defended in Apr 2017. Thesis: '*Is insect protein a sustainable alternative to soy and fishmeal in poultry feed?*'. Awarded a UROP grant.

Emilie Adamovic. Honors thesis. Defended in Apr 2017. Thesis: '*Food insecurity among college students: an assessment of prevalence and solutions*'. Awarded a UROP grant.

Zoë Sigle. Honors thesis. Defended in Apr 2016. Thesis: '*Reducing animal product consumption in the United States with state interventions: possibilities, limitations, and recommendations*'

Student advisees: as a committee member

All students are in the Department of Environmental Studies at the University of Colorado Boulder unless otherwise noted

Graduate students

Adriana Garzon. PhD, Political Sciences. Member of dissertation committee.

Molly Huber. PhD. Member of guidance committee.

Casey White. MS. Member of guidance committee.

Nathan Lee Ammons. MS. Member of thesis committee. Defended in Apr 2019.

Nathan Cook. PhD, Political Sciences. Member of dissertation committee. Defended in Dec 2018.

Kelly Watson. MS. Member of thesis committee. Defended in Apr 2018.

Brendan Buzzard. PhD. Member of guidance, prelims, and prospectus defense committees.

Chris Dunn. PhD. Member of prelims committee.

Michael Drake. PhD. Member of curriculum, prelims, and prospectus defense committees.

Juhi Huda. PhD. Member of prospectus defense committee and dissertation defense committee. Defended in Nov 2019.

Nick Schulte. PhD. Member of curriculum and prelims committees.

Mauro Capelari. PhD, University of Brasília, Brazil. Member of dissertation committee. Defended in Mar 2017.

Alex Lee. PhD. Member of dissertation committee. Defended in Feb 2016.

Meghan Bogaerts, Lora Cirhigi, Mikaela Rodkin & Ian Robinson. MS, School of Natural Resources and Environment, University of Michigan. Co-advisor (with Arun Agrawal). Defended in May 2016.

Ben Chen, Hsuan-Wen Kuo, Chania Niljinda, Melisa Ongun & Paul Winters. MS, School of Natural Resources and Environment, University of Michigan. Co-advisor (with Arun Agrawal). Defended in May 2014.

Joel DeBoer, Derrick Rosenbach & Jessica Whittemore MS, School of Natural Resources and Environment, University of Michigan. Co-advisor (with Arun Agrawal). Defended in May 2013.

Undergraduate students

Panteleimon (Teli) Stathopoulos. Honors thesis. Honors rep committee member. Defended in Apr 2021.

Taylor Furrh. Honors thesis. Honors rep committee member. Defended in Apr 2021.

Marissa Fugardi. Honors thesis. Honors rep committee member. Defended in Apr 2021.

Patricia (Jane) Hill. Honors thesis. Honors rep committee member. Defended in Apr 2021.

Devan Daly. Honors thesis. Honors rep committee member. Defended in Apr 2020.

Brian Lambert. Honors thesis, Department of Economics. Committee member. Defended in Apr 2019.

Natalie Buchholz. Honors thesis. Committee member. Defended in Apr 2019.

Johanna Adashek. Honors thesis. Committee member. Defended in Nov 2018.

Rose Briggs. Honors thesis. Committee member. Defended in Apr 2018.

Alex Vergara. Honors thesis, Department of Economics. Committee member. Defended in Nov 2017.

Sheamus Croke. Honors thesis, International Affairs Program. Defended in Apr 2017.

Mackenzie Johnson. Honors thesis. Committee member. Defended in Nov 2016.

Kristen Smith. Honors thesis. Committee member. Defended in Apr 2016.

Camille Zwaan. Honors thesis, Ecology and Evolutionary Biology. Defended in Apr 2016.

Student advisee conference presentations and posters (selected)

Benzeev, R. *Targeting forest restoration potential: applying spatial prioritization in Bahia, Brazil.* International Society of Tropical Foresters (ISTF) conference. New Haven, CT, USA. Jan 30–Feb 1, 2020.

Benzeev, R., Wilson, B., Redmore, L., Butler, M., Paudel, K., Zarba, L., Massoca, P. *What's governance got to do with it? Examining the role of institutional quality in forest conservation.* Forests & Livelihoods: Assessment, Research, and Engagement (FLARE) network fifth annual meeting. Ann Arbor, MI, USA. Aug 23–25, 2019.

Benzeev, R., Newton, P. Poster presentation. *The role of zero-deforestation commitments in protecting and enhancing rural livelihoods.* Forests & Livelihoods: Assessment, Research, and Engagement (FLARE) network fourth annual meeting. Copenhagen, Denmark. Oct 17–20, 2018.

SERVICE

Editor

2019–21 **Associate Editor**, *Frontiers in Sustainable Food Systems (Land, Livelihoods & Food Security)*. Handled six papers to a final decision.

2018–21 **Associate Deputy Editor**, *Climatic Change*. Handled 25 papers to a final decision.

Reviewer

Journals: Agriculture and Human Values; Agricultural Systems; Annals of Forest Science; Biological Conservation; Climatic Change; Conservation Letters; Conservation Science & Practice; Ecological Economics; Ecology and Society; Economic Botany; Ecosphere; Endangered Species Research; Environment, Development and Sustainability; Environmental Conservation; Environmental Policy and Governance; Food Policy; Food Studies: An Interdisciplinary Journal; Forest Ecology and Management; Forest Policy and Economics; Forests, Trees and Livelihoods; Frontiers in Ecology and the Environment; Global Environmental Change; International Journal of the Commons; Journal of Environmental Management; Journal of Ethnobiology and Ethnomedicine; Journal of International Development; Journal of Latin American Geography; Land Use Policy; Nature Climate Change; Nature Sustainability; Oryx; PLOS ONE; Proceedings of the National Academy of Sciences of the United States of America (PNAS); Science; Solutions; South African Geographical Journal; Sustainability; Tropical Conservation Science; Wiley Interdisciplinary Reviews: Climate Change; World Development

Reports: Food and Land Use Coalition; World Resources Institute

Grant proposals: National Science Foundation; Critical Ecosystem Partnership Fund; University of Colorado Boulder RIO Innovative Seed Grant proposals; University of Colorado Boulder Beverly Sears and Cynthia Schultz Graduate Research Grants

Education modules: Center for International Forestry Research; Network of Conservation Educators and Practitioners

Examiner

- 2012 External PhD examiner, University of Central Queensland
2011 Internal MSc examiner, University of East Anglia (three students)

Committees and panels: external

- 2019 – 2020 Invited member of the International Union of Forest Research Organizations Global Forest Expert Panel on Forests and Poverty. Meetings in Ann Arbor (Aug 2019), Nairobi (Jan 2020), and online (Apr 2020).
- 2019 Invited participant at an expert workshop on strengthening the global core set of forest indicators to support the implementation of the 2030 Agenda and the UN Strategic Plan for Forests 2030. Organized and hosted by the Food and Agricultural Organization (FAO) of the UN, as part of the Collaborative Partnership on Forests (CPF) joint initiative on streamlining forest-related reporting. *Rome, Italy* October 22-24, 2019.
- 2012 – 2014 Representative of the International Forestry Resources and Institutions (IFRI) research network at five Rights and Resources Initiative coalition meetings

Committees: campus, University of Colorado Boulder

- 2021 – Faculty advisor to the Boulder Alt-Protein Project student group
2021 Search committee member: A&S Research Administrator
2019 Reappointment committee for Krister Andersson as Director of the Center for the Governance of Natural Resources in the Institute of Behavioral Science

Committees: Environmental Studies Program, University of Colorado Boulder

- 2022 – Associate Chair of Undergraduate Studies
- 2022 Primary Unit Evaluation Committee (PUEC) chair for Assistant Professor Matt Burgess' comprehensive review
- 2021 Search committee member: MENV Sustainable Food Systems specialization lead
- 2020 – 2021 ENVS Lead Honors Representative
- 2020 Primary Unit Evaluation Committee (PUEC) member for Assistant Professor Cassandra Brooks' comprehensive review. *Note: It transpired post-hoc that the review was conducted one year prematurely, and will be repeated in 2021.*
- 2019 – Undergraduate curriculum committee member
- 2018 – 2019 ENVS Honors representative
- 2018 Research Professor appointment committee for Dr. Colleen Scanlan Lyons
- 2018 Primary Unit Evaluation Committee (PUEC) member for Assistant Professor David Ciplet's comprehensive review
- 2018 Search committee member: MENV Sustainable Food Systems specialization lead
- 2017 MENV curriculum committee member
- 2015 – 2019 Executive committee member (including: annual merit review; ARPAC 2018)
- 2015 – Peer classroom evaluation committee (member 2015–16; chair 2016–17; member 2017–)
- 2015 – 2016 Undergraduate curriculum committee member
- 2015 Search committee member: Global Environmental Affairs Instructor

Committees: community

- 2016 Member of the Civic Area Market Hall Working Group, providing consultative input to plans for a new year-round market venue in downtown Boulder. *Boulder, CO.* Feb 12, 2016.

Awards and honors

- 2019 One of 40 honorees in *Who's Who in Agriculture – Colorado*, presented by Denver Business Journal and Colorado Farm Bureau

Presentations to non-academic audiences

- 2022 **Speaker.** Educational presentation to the Colorado House Committee on Agriculture, Livestock & Water. *Colorado State Capitol, Denver.* Apr 11, 2022.
- 2022 **Introductory speaker** at an event on 'Food's future: transforming farming for the future'. *Online: CityAge.* Feb 15, 2022.
- 2021 **Speaker** on a panel at a public science event on 'What's your beef? Is fake meat fake news?'. *Online: Life Sciences Centre, Newcastle, UK.* Oct 20, 2021.

- 2021 **Provided testimony** to the Boulder County Commissioners during public hearings on their decision whether to continue to allow genetically engineered crops to be grown on Boulder County Open Space agricultural land. *Boulder, CO*. Oct 19, 2021.
- 2021 **Speaker** at the *Footprints Running Camp*, promoting youth environmental activism through trail running. *Opus Hut, San Juan Mountains*. July 25-29, 2021.
- 2019 **Panelist** at the *Menus of Change University Research Collaborative* conference. *University of Colorado Boulder*. Oct 9, 2019.
- 2019 **Guest speaker** at a Boulder FoodTech Education Workshop. *Boulder, CO*. Mar 6, 2019.
- 2018 **Panelist** on a panel discussing the health and environmental impacts of dairy. Organized by Switch4Good. *Galvanize, Boulder, CO*. Nov 9, 2018.
- 2018 **Guest speaker** to the Colorado Science and Engineering Policy Fellowship program. Invited by Representative Chris Hansen. *Denver, CO*. Jun 28, 2018.
- 2018 **Speaker** on a panel discussing careers in environmental sciences. Organized by the EnvEast Doctoral Training Partnership, UK. *Video conference*. Jun 25, 2018.
- 2018 **Speaker** at a fundraiser for Conservation Colorado. *Boulder, CO*. Apr 26, 2018.
- 2018 **Speaker**. Educational presentation to the House Select Committee on Climate Responsibility. *Colorado State Capitol, Denver*. Apr 25, 2018.
- 2017 **Facilitator** for a panel discussion on genetically-engineered crops, following a screening of *Food Evolution*. *Dairy Arts Center, Boulder, CO*. Oct 24, 2017.
- 2017 **Speaker** at TEDx Boulder. *Macky Auditorium, University of Colorado Boulder, CO*. Sept 17, 2017. Available at: <https://www.youtube.com/watch?v=sfBzwBxl-zQ&t=1s>
- 2016 **Speaker** at *A Dialogue: How our eating habits affect our environment*. Organized by the Sierra Club Rocky Mountain Chapter. *The Alliance Center, Denver, CO*. Oct 18, 2016.
- 2016 **Panelist** on a panel discussion on *Genetically Modified Organisms*, during a workshop on *Teaching Controversial Science Topics* for K12 educators in Colorado. *Boulder, CO*. Aug 27, 2016.
- 2016 **Provided testimony** to the Boulder County Commissioners during public hearings on their decision whether to continue to allow genetically engineered crops to be grown on Boulder County Open Space agricultural land. *Boulder, CO*. Feb 19, 2016.

Letters, blogposts

- 2018 Letter to Governor Jerry Brown and the California Air Resources Board in response to a call for public comment on the proposed California Tropical Forest Standard. Co-authored with colleagues from the Center for International Forestry Research. Submitted Oct 29, 2018.
- 2018 Blogpost. CSTPR Prometheus blog. Available at: <https://ciresblogs.colorado.edu/prometheus/2018/04/19/new-research-is-studying-innovative-sub-national-governance-in-acre-brazil/>.
- 2017 Letter to the Editor. *Longmont Times-Call* and *Boulder Daily Camera*. Available at: <https://www.timescall.com/2017/03/22/lindsay-diamond-and-peter-newton-using-cu-student-fees-for-vandana-shiva-a-step-in-wrong-direction/> and:

- <https://www.dailycamera.com/2017/03/24/lindsay-diamond-and-peter-newton-a-poor-choice-of-a-speaker-at-cu/>.
- 2016 Letter to the Editor. *Boulder Daily Camera*. Available at: <https://www.dailycamera.com/2016/03/18/peter-newton-food-system-needs-options-including-gm-crops/>.
- 2013 Blogpost. Ecoagriculture Partners blog. Available at: <http://peoplefoodandnature.org/blog/experimenting-with-certification-towards-a-sustainable-livestock-sector-in-brazil/>.
- 2013 Blogpost. CGIAR CCAFS blog. Available at: <https://ccafs.cgiar.org/blog/carbon-and-communities-innovative-approaches-agriculture-and-forest-management-indonesia#.XvkYLChTmUI>
- 2013 Blogpost. NERC Planet Earth magazine. Available at: <https://nerc.ukri.org/planetearth/stories/1316/>.
- 2012 Cover images. *Economic Botany* June 2012 issue. Available at: https://www.jstor.org/stable/41494194?seq=1#metadata_info_tab_contents

Media coverage and interviews

- 2022 Coverage of Brangança et al. (2022) in News-o-matic. Available at: <https://app.newsmatic.net/2022/3/21/2-cows/?edition=2452&t=0d98d084-39ea-4329-94fa-2d5ae2e418d4>
- 2022 Coverage of Brangança et al. (2022) in CU Boulder Today. Available at: <https://www.colorado.edu/today/2022/03/17/how-cattle-ranchers-brazil-could-help-reduce-carbon-emissions>
- 2021 Interviewed for an article on individual climate actions for CU Boulder Today. Available at: <https://www.colorado.edu/today/2021/12/16/ring-2022-these-5-climate-resolutions>
- 2021 Interviewed for a story on Colorado Public Radio: <https://www.cpr.org/2021/08/19/meati-foods-mushroom-meat-substitute-boulder-startup/>
- 2021 Coverage of Newton & Blaustein-Rejto (2021) *Frontiers in Sustainable Food Systems* in Vox: <https://www.vox.com/future-perfect/22609382/plant-based-meatless-future-transition-farmers-meatpacking-workers>
- 2021 Coverage of Newton et al. (2020) *Frontiers in Sustainable Food Systems* in The Counter: <https://thecounter.org/regenerative-agriculture-racial-equity-climate-change-carbon-farming-environmental-issues/>
- 2021 Interviewed for the 'Getting to Know' series in CU Boulder Today. Available at: <https://www.colorado.edu/today/2021/05/26/understanding-our-socio-environmental-systems-get-know-peter-newton>
- 2021 Interviewed for a story in Trail Runner magazine: <https://www.trailrunnermag.com/people/environment-people/an-athletes-guide-to-environmentally-friendly-eating>
- 2020 Coverage of Miller et al. (2020) *IUFRO* in Reuters: <https://news.trust.org/item/20201015174246-tnogd/>

- 2020 Coverage of Newton et al. (2020) *One Earth* in AAAS EurekAlert!: https://www.eurekalert.org/pub_releases/2020-09/cp-mt1091020.php, El Pais: https://elpais.com/elpais/2020/09/18/planeta_futuro/1600410233_237784.html, and Colorado Arts and Sciences Magazine: <https://www.colorado.edu/asmagazine/2020/09/17/worldwide-16-billion-rural-people-live-within-5-km-forest>
- 2019 Interviewed for a story in The Counter: <https://thecounter.org/move-over-plant-based-meat-fungi-steaks-are-here>
- 2018 Interviewed for Inside The Greenhouse: More Than Scientists. Available at: <https://insidethegreenhouse.org/media/peter-newton-envs>.
- 2017 Coverage of Newton (2017) TEDx talk in Boulder Daily Camera. Available at: <https://www.dailycamera.com/2017/09/17/tedx-boulder-talks-take-on-climate-and-change/>
- 2017 CU Boulder Today. Available at: <https://www.colorado.edu/today/2017/01/30/new-initiative-showcase-best-teaching-practices-campus>.
- 2017 Interviewed on the *Probably Science* podcast. Available at: <http://www.probablyscience.com/probablyscience/2017/12/26/episode-274-environmental-science-and-sustainable-food-with-dr-pete-newton>.
- 2016 Interviewed on the *Thought for Food* podcast. Available at: <https://www.stitcher.com/podcast/thought-for-food-podcast/e/50049223>.
- 2013 CGIAR CCAFS. Available at: <https://ccafs.cgiar.org/blog/beefing-sustainable-agriculture-production-brazil#.XvkYSyhTmUI>
- 2012 Food Climate Research Network. Available at: <https://www.fcrn.org.uk/interviews/peter-newton-and-lini-wollenberg-ccafs>.
- 2008 NERC Planet Earth magazine. Available at: <https://nerc.ukri.org/planetearth/stories/224/>.

OTHER EMPLOYMENT

- 2007 – 2011 **Teaching Assistant**, University of East Anglia, UK
- 2005 – 2006 **Manager**, Wilderness Safaris, Botswana
- 2003 – 2005 **Guide**, Uncharted Africa Safari Company, Botswana