

James Thomas (J.T.) Erbaugh

NSF Postdoctoral Fellow in Social, Behavioral, and Economic Sciences

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Education

University of Michigan, School for Environment and Sustainability Ph.D., Dec. 2018
Honors: Certificate in Survey Methodology, the Institute for Social Research

University of Oxford, School of Geography and the Environment M.Phil., May 2013
Honors: Graduation with Distinction

Miami University, School of Literature, Science, and the Arts B.A., May 2008
Majors: Environmental Studies, Philosophy
Honors: Magna Cum Laude, Distinguished University and Departmental Honors, Phi Beta Kappa

Employment

Primary

Postdoctoral Fellow, National Science Foundation and Dartmouth College, USA	2018-2021
Rackham Graduate School Doctoral Fellow, University of Michigan, USA	2017-2018
Fulbright Research and Borlaug Global Food Security Grantee, Jambi, IDN	2016-2017
Graduate Student Instructor, University of Michigan, USA	2014-2016
Graduate Student Instructor, University of Oxford, UK	2011-2013
Fulbright English Teaching Grantee, Central Java, IDN	2010-2011
8th Grade Science Teacher with Teach for America, Navajo Nation, USA	2008-2010

Research Collaboration and Consulting

The World Bank (West Africa), Knowledge Management, Climate Change, and Conflict	2021
The IUCN, Integrated Landscape Governance	2021
The World Bank (Indonesia), Social Dimensions of Climate Change	2020-2021
UK DFID, Impact Estimation of Forest Governance Projects	2016-2019
Gordon and Betty Moore Foundation, Sustainable Agriculture in the Tropics	2015-2017
NAMATI, Community Land Protection	2013-2014
University of Massachusetts, Forest Fire Field Ecology	2007

Publications

Citations: 304 (Google Scholar) / 151 (WoS)

h-index: 9 (Google Scholar) / 7 (WoS)

Peer-Reviewed Articles

1. **Erbaugh, J. T.**, Callahan, C. W., Finger-Higgins, R., DeSiervo, M., Bolger, D., Cox, M., and Howarth, R. B. (2021). "Sociotechnical equilibrium and transitions." *Current Opinion in Environmental Sustainability*, 49, 33-41. <https://www.sciencedirect.com/science/article/pii/S1877343521000130>

2. Sahide, A., Fisher, M. **Erbaugh, J. T.**, Intarini, D., Dharmiasih, W., Makmur, M., Faturachmat, F., Verheijen, B., and Maryudi, A. (2020). "The boom of social forestry policy and the bust of social forests in Indonesia: Developing and applying an access-exclusion framework to assess policy outcomes." *Forest Policy and Economics*, 120, 102290. <https://doi.org/10.1016/j.forpol.2020.102290>
3. **Erbaugh, J. T.**, Pradhan, N., Adams, J., Oldekop, J., Agrawal, A., Pritchard, R., Brockington, D., Chhatre, A. (2020). "Global forest landscape restoration and the importance of prioritizing local people." *Nature Ecology and Evolution*. <https://doi.org/10.1038/s41559-020-01282-2>
4. Snyder, H. and **Erbaugh, J. T.** (2020). "Fishery observers address Arctic fishery discards." *Environmental Research Letters* 15(9):0940c4. <https://doi.org/10.1088/1748-9326/aba57d>
5. Harbi, J., **Erbaugh, J. T.**, Widagdo, F. R. A., Mauri, J., Supriyanto, S., and Milantara, N. (2020). "Three generations of forest peoples' empowerment in Indonesia: Process towards sustainable and equitable forest management." *Jurnal Manajemen Hutan Tropika (Journal of Tropical Forest Management)*. 26(2):91–104.
6. **Erbaugh, J. T.** (2019). "Responsibilization and social forestry in Indonesia." *Forest Policy and Economics*, 109. <https://doi.org/10.1016/j.forpol.2019.102019>
7. **Erbaugh, J. T.**, Bierbaum, R., Castilleja, G., da Fonseca, G.A.B., Hansen, S.C.B., (2019). "Toward sustainable agriculture in the tropics." *World Development*, 121, 158–162. <https://doi.org/10.1016/j.worlddev.2019.05.002>
8. **Erbaugh, J. T.** & Nurrochmat, D. R. (2019). "Paradigm shift and business as usual through policy layering: Forest-related policy change in Indonesia (1999-2016)." *Land Use Policy*, 86, 136-146. <https://doi.org/10.1016/j.landusepol.2019.04.021>
9. **Erbaugh, J. T.**, Oldekop, J. (2018). "Forest landscape restoration for livelihoods and well-being." *Current Opinion in Environmental Sustainability*, 32, 76-83. <https://doi.org/10.1016/j.cosust.2018.05.007>
10. Harbi, J., **Erbaugh, J. T.**, Sidiq, M., Haasler, B., & Nurrochmat, D. R. (2018). "Making a bridge between livelihoods and forest conservation: Lessons from non-timber forest products' utilization in South Sumatra, Indonesia." *Forest Policy and Economics*, 94, 1-10. <https://doi.org/10.1016/j.forpol.2018.05.011>
11. Mcgrath, F., **Erbaugh, J. T.**, Leimona, B., Amaruzaman, S., Rahadian, N., Carrasco, L.R. (2018). "Green without envy: How social capital alleviates tensions from a PES program in Indonesia." *Ecology and Society*, 23(4):10. <https://doi.org/10.5751/ES-10181-230410>
12. **Erbaugh, J. T.**, Agrawal, A. (2017). "Clarifying the landscape approach: A Letter to the Editor on "Integrated landscape approaches to managing social and environmental issues in the tropics." *Global Change Biology*, 23, 4453-4454. <https://doi.org/10.1111/gcb.13788>
13. **Erbaugh, J. T.**, Nurrochmat, D.R., Purnomo, H. (2017). "Regulation, formalization, and smallholder timber production in northern Central Java, Indonesia." *Agroforestry Systems*, 91, 867-880. <https://doi.org/10.1007/s10457-016-0037-6>
14. Nurrochmat, D.R., Adi, I., Purwadianto, A., Maryudi, A., Nugroho, I.A., Hardjanto, Purwadianto, A., Maryudi, A., **Erbaugh, J. T.** (2017). "Shifting contestation into co-operation: Strategy to incorporate different interests of actors in medicinal plants in

Meru Betiri National Park, Indonesia." *Forest Policy and Economics*, 83, 162-168. <https://doi.org/10.1016/j.forpol.2017.08.005>

15. Nurrochmat, D.R., Dharmawan, A.H., Obidzinski, K., Dermawan, A., **Erbaugh, J. T.** (2016). "Contesting national and international forest regimes: Case of timber legality certification for community forests in Central Java, Indonesia." *Forest Policy and Economics*, 68, 54-64. <https://doi.org/10.1016/j.forpol.2014.09.008>

In Progress

Onder, S., **Erbaugh, J. T.**, and Kosmidou, G. (In Press). "Economic issues related to Asian deforestation." *Oxford Research Encyclopedia of Environmental Science*.

Erbaugh, J. T. (Under Review). "The legacy of conservation-based payments surrounding Kerinci-Seblat National Park."

Liao, C., **Erbaugh, J. T.**, Kelly, A., and Agrawal, A. (Under Review). "Clean Energy Transitions and Human Well-Being Outcomes in Lower and Middle Income Countries: A Systematic Review."

General Writing

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.C., Song, C., Timko, J. (2020). "Levers for alleviating poverty." In D. Miller, S. Mansourian, and C. Wildburger (Eds.). *Forests, trees and the eradication of poverty: Potential and limitations. A global assessment report* (pp.125-176), International Union of Forest Research Organizations, Vienna.

Shyamsundar, P., Cheek, J.Z., Rasmussen, L.V., Miller, D.C., Oldekop, J.A., Sauls, L.A., Sullivan-Wiley, K.A., **Erbaugh, J.T.**, Krishnapriya, P.P. (2020). "Global forces of change: Implications for alleviating poverty and sustaining forests." In D. Miller, S. Mansourian, and C. Wildburger (Eds.). *Forests, trees and the eradication of poverty: Potential and limitations. A global assessment report* (pp.177-214), International Union of Forest Research Organizations, Vienna.

Daupan, M., **Erbaugh, J. T.**, Jung, S., Kinzer, A., Liao, C., Sullivan, J., Watkins, C. Agrawal, A. (2018). Liv-Well survey tool user manual. FLARE Group, Ann Arbor.

Erbaugh, J. T. (2016, July 26th). "Book review: The challenges behind Indonesia's agricultural matrix." *The Jakarta Post*. Retrieved from: <http://www.thejakartapost.com/academia/2016/07/26/book-review-the-challenges-behind-indonesias-agricultural-matrix.html>

Erbaugh, J.T. (2013, June 20th). What is the 'ecosystem services' concept? The Freshwater blog. Retrieved from: <https://freshwaterblog.net/2013/06/20/what-is-the-ecosystem-services-approach/>

Dissertation and theses

Erbaugh, J. T. (2018). "Forest landscapes and institutional transition: Essays examining sociopolitical and forest-cover change in Indonesia." (PhD dissertation). University of Michigan. Retrieved from <https://deepblue.lib.umich.edu/>

Erbaugh, J. T. (2013). "Governmentalization beyond the political forest: The formalization of smallholder timber production in northern Central Java." (MPhil thesis). University of Oxford.

Erbaugh, J. T. (2008). "Understanding the land ethic." (Undergraduate honors thesis). Miami University. Retrieved from <https://etd.ohiolink.edu/>

Awards and Grants

- 2019 Regulatory transition and forest outcomes (PI), NSF (\$175,000)
- 2018 Woody biomass energy in the Northern Forests (Co-PI), Irving Institute (\$50,000)
- 2017 Rackham Interdisciplinary Workshop Grant, Rackham Graduate School (\$5,000)
Pre-Doctoral Fellowship, Rackham Graduate School (\$45,000)
Institute for Social Research Summer Training in Survey Methods Award (\$5,400)
- 2016 Critical Language Enhancement Grant, US Department of Defense (\$5,000)
- 2015 Borlaug Fellowship, USAID and the Purdue Center for Global Food Security (\$22,000)
Fulbright Student Research Grant, US Department of State (\$20,000)
Individual Fellowship, University of Michigan International Institute (\$5,000)
Amazon Cloud Computing Grant, Advanced Research Computing (\$500)
- 2014 Sustainability Doctoral Fellowship, Dow Sustainability Fellows Program (\$50,000)
Marans & Chen Fellowship in Survey Methods, Institute for Social Research (\$11,000)
Doctoral Pre-Dissertation Fellowship, Social Science Research Council (\$5,000)
Student Sponsorship, World Agroforestry Congress (\$3,000)
- 2013 Climate Change Resilience Development: (Collaborator), Engility/USAID (\$168,265)
- 2010 Fulbright English Teaching Grant, US Department of State (\$13,000)
Greatest Increase in 8th Grade Science Proficiency, NM Public Education Department
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Selected Conferences and Presentations

Erbaugh, J. (2020). Local vulnerability to climate change in Indonesia: Using hierarchical clustering to scale-up vulnerability profiles. The Future Earth Programme on Ecosystem Change and Society (PECS).

Erbaugh, J., Agrawal, A., and Thompson, M. (2020). Local Adaption to Climate Change. World Bank, Indonesia Office.

Erbaugh, J. (2020). Global issues in forest and environment: Perspectives on policy and human well-being. Agricultural University of Bogor, Economy, Resources, and Environment Green Talk Series.

Erbaugh, J. (2019). Environmental governance and forest policy in Southeast Asia. Boston University, POL354: Politics in Southeast Asia.

Erbaugh, J. (2019). Using the LivWell App for Measuring Livelihood and Well-being Impacts (workshop leader). The Sustainability and Development Conference, Ann Arbor, MI. Sponsored by UK DFID.

Erbaugh, J. (2019). Indonesian forest cover change. Dartmouth College: ENVS 55, Ecological Economics.

Erbaugh, J. (2019). Workshop to Enhance Collaboration Between U.S. and Indonesia in Biodiversity and Conservation Research, Bogor, Indonesia. Sponsored by the National Science Foundation.

Erbaugh, J. (2019). The conservation legacy of Kerinci-Seblat National Park. Workshop on Conservation Legacies, Urbana and Chicago, IL. Sponsored by the University of Illinois and the MacArthur Foundation.

Erbaugh, J. (2019). Incorporating Small-Holders into High Carbon Stock Oil Palm Planning: Yogyakarta, Indonesia. Sponsored by the SNAPP: Zero-Deforestation Landscapes Project.

Erbaugh, J. (2018). Sustainable development and forest cover change in Indonesia (presenter and moderator). Sustainable Development Conference: Ann Arbor, MI. Sponsored by Dartmouth College.

Erbaugh, J. (2018). The impact of regulatory dispersal on forest cover in Indonesia. Dartmouth College: Ecology, Evolution, Environment and Society Lunches.

Erbaugh, J. (2018). The impact of regulatory dispersal on forest cover in Indonesia. FLARE Conference: Copenhagen, Denmark. Sponsored by Dartmouth College.

Erbaugh, J. (2018). Forest transitions and institutional change in Indonesia (job talk). Dartmouth College: Program in Ecology, Evolution, Environment and Society. Sponsored by Dartmouth College.

Erbaugh, J. (2017). Shifting away from the forest transitions theory. FLARE Conference: Stockholm, Sweden. Sponsored by UK DFID.

Erbaugh, J. (2017). The governance of Indonesian forest landscapes and their impact on village development and rural livelihoods. American-Indonesian Exchange Foundation (AMINEF): Jakarta, Indonesia. Sponsored by AMINEF.

Erbaugh, J. and Mora, A.M. (2016). Presenter/moderator. Assessing, analyzing, and visualizing Indonesian forest policy, 2000-2015. The International Union of Forestry Organizations (IUFRO) Conference: Bogor, Indonesia. Sponsored by the Borlaug Global Food Security Fellowship.

Erbaugh, J. (2016). Food Security and Forests: The Indonesian Context. Fulbright Southeast Asia Research Conference: Jakarta, Indonesia. Sponsored by AMINEF.

Erbaugh, J., Ristianito P., Nurrochmat, D. (2015). Engaging sub-national political actors to reduce emissions. FLARE Conference: Paris, France. Sponsored by the Rackham Graduate School.

Erbaugh, J. (2015). Javanese afforestation: where, how, and why? The Association of American Geographers Annual Conference: Chicago, Illinois.

Erbaugh, J. (2014). Bound to fail? The internal limits of the Navajo Forest Products Industry. The Dimensions of Political Ecology: University of Kentucky-Lexington, KY. Sponsored by the Rackham Graduate School.

Erbaugh, J. (2014). Security beyond the political forest. The World Congress of Agroforestry (WCA): New Delhi, India. Sponsored by the WCA.

Erbaugh, J. (2013). How can commercially-based, community forest projects and state-run forest management inform each other in Central Java? Oxford University: School for Geography and Environment.

Teaching Experience

Instructor of Record

- 2020 ENVS 3: Environment and Society, Dartmouth College
- 2019 ENVS 65: Global Environmental Politics, Dartmouth College
EEES 136: Environmental Governance and Empirical Analysis, Dartmouth College
- 2016 Household Survey Enumeration, University of Jambi

Graduate Student Instructor

- 2015 ENVIRON 207: Sustainability and Society, University of Michigan
NRE 563: International Environmental Governance, University of Michigan
- 2014 ENVIRON 207: Sustainability and Society, University of Michigan
- 2013 Social Science Research Methods, University of Oxford

Classroom Teacher

- 2010-11 High School English, SMK Farming Pati and Fulbright Program
 - 2008-10 8th Grade Science, Navajo Middle School and Teach for America
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Service

Advising

- 2018-21 Undergraduate Research, Dartmouth College (3 students)
- 2017-18 Undergraduate Research Opportunity Program (UROP), University of Michigan (3 students)

Committees

Interview Panel for Dartmouth Marshall Scholar Nominees (2019); Interdisciplinary Workshop on Environmental Governance, Coordinator (2017-2018); Doctoral Organizing Committee, Seminar Chair (2015-2017)

Reviewer

Conservation Biology, Conservation Letters, Environmental Research Letters, Forest Policy and Economics, Forests, Forests and Society, Geoforum, Global Environmental Change, Global Environmental Conservation, Land Degradation and Development, Land Use Policy, Proceedings of the National Academy of Sciences, the McIntire-Stennis Program, the Swiss National Science Foundation, World Development

Volunteering

Catahoula and Cattle Dog Rescue of New England, The Hanover Conservancy, New England Coonhound Rescue

Language and Other Skills

Languages

English: Native
Indonesian: Advanced

Software: R computing environment; ArcGIS Suite; Open Data Kit and Qualtrics electronic survey platforms; LaTeX document preparation; Microsoft Office Suite

Additional training

Inter-University Consortium for Political and Social Research (Ann Arbor, MI), June-August 2017: Advanced Mathematics for Social Scientists; Hierarchical Modelling I; Hierarchical Modelling II
Longitudinal Analysis

Critical Language Enhancement at Wisma Bahasa (Yogyakarta, Central Java), January-April 2016:
Advanced Bahasa Indonesia

Teach for America-New Mexico and Gallup-McKinley County School District (Navajo, NM),
2008-2010Pr: Professional Development; General Pedagogy; Science Instruction

Cape Cod National Seashore, Fire Management Unit (Wellfleet, MA), May-August 2007: Wildland
Firefighting Certification

National Outdoor Leadership School (NOLS), August 2005: Leave No Trace camping and environ-
mental ethics