

James Thomas (J.T.) Erbaugh

Post-Doctoral Research Associate, Department of Environmental Studies

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Education

University of Michigan, School of Environment and Sustainability Ph.D., 2018

Advisor: Arun Agrawal, PhD

Honors: Certificate in Survey Methodology, the University of Michigan Institute for Social Research

University of Oxford, School of Geography and the Environment M.Phil., 2013

Advisor: Paul Jepson, PhD

Honors: Graduation with Distinction

Miami University, School of Literature, Science, and the Arts B.A., 2008

Majors: Environmental Principles and Practices, Philosophy

Advisor: Richard Momeyer, PhD

Honors: Magna Cum Laude, Distinguished University and Departmental Honors, Phi Beta Kappa

Employment

Postdoctoral Research Associate, Dartmouth College, USA 2018-Present

Research Assistant, DFID, UK and University of Michigan, USA 2017-2018

Fulbright 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

Middle School Science Teacher with Teach for America, Navajo Nation, USA 2008-2010

Publications

Peer Reviewed Journals

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>

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(September 2018), 136-146. <https://doi.org/10.1016/j.landusepol.2019.04.021>

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>

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 Sumatera, Indonesia. *Forest Policy and Economics*, 94, 1-10. <https://doi.org/10.1016/j.forpol.2018.05.011>

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>

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>

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>

Nurrochmat, D.R., Adi, I., Purwadianto, A., Maryudi, A., Nugroho, I.A., Hardjanto, Purwadianto, A., Maryudi, A., **Erbaugh, J. T.** (2017). Shifting contestation into cooperation: Strategy to incorporate different interest 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>

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>

Ekayani, M., Nurrochmat, D.R., Saharjo, B.H., **Erbaugh, J. T.** (2015). Assessing Conformity of Scientific Voices and Local Needs to Combat Forest Fire in Indonesia 21. *Jurnal Manajemen Hutan Tropis*. 83-91.

General Writing

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. (2018). “Understanding the land ethic.” (Undergraduate honors thesis). Miami University. Retrieved from <https://etd.ohiolink.edu/>

Awards and Grants

In Review

- "Regulatory Transition and Forest Outcomes" (PI), National Science Foundation (\$138,000)

2018

- "Woody biomass energy in the Northern Forests" (Co-PI), Irving Energy 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 Methodology, Institute for Social Research (\$11,000)
- Doctoral Pre-Dissertation Fellowship, Social Science Research Council (\$5,000)
- Student Sponsorship, World Agroforestry Congress 2014, World Agroforestry Centre (\$3,000)

2013

- Climate Change Resilience Development: Water Demand Management for Improved Adaptation by Small Farmers in Semi-Arid India (Collaborator, Survey Design), Funder: Engility/USAID (\$168,265)
- Distinction of Thesis Award, Worcester College, University of Oxford-Oxford, UK
- Overall Distinction, University of Oxford (Oxford, UK)

2010-2012

- Fulbright English Teaching Grant, US Department of State-Washington, D.C. (\$13,000)
- Greatest Increase in 8th Grade Science Proficiency, Public Education Department-Santa Fe, NM
- Phi Beta Kappa Honors Fraternity-Oxford, OH
- Distinguished University Honors and Departmental Honors-Oxford, OH

Selected Conferences and Presentations

Erbaugh, J. (2019). The conservation legacy of Kerinci-Seblat National Park. 24 April 2019. Presented and participated in the Conservation Legacies Meeting at the University of Illinois and the MacArthur Foundation. Sponsored by the Conservation Legacies Project, University of Illinois.

Erbaugh, J. (2019). Participant. 12 April 2019. Incorporating Small-Holders into High Carbon Stock Oil Palm Planning in Yogyakarta, Indonesia. Sponsored by the SNAPP: Zero-Deforestation Landscapes Project.

Erbaugh, J. (2018). Sustainable development and forest cover change in Indonesia. 10 November 2018. Presented and moderated session at Sustainable Development Conference in Ann Arbor, MI. Sponsored by the Ecology, Evolution, Ecosystems and Society Program at Dartmouth College.

Erbaugh, J. (2018). The impact of regulatory dispersal on forest cover in Indonesia. 18 October 2018. Presented and moderated session at FLARE, Copenhagen, Denmark Sponsored by the Ecology, Evolution, Ecosystems and Society Program at Dartmouth College.

Erbaugh, J. (2018). Forest transitions and insitutional change in Indonesia (Job Talk). 9 May 2018. Department of Environmental Studies, Dartmouth College. Invited Presentation.

Erbaugh, J. (2017). Shifting away from the forest transitions theory: Assessing forest-cover and jurisdictional change in Indonesia, 2000-2014. 1 October 2017. Presented and moderated session at FLARE, Stockholm, Sweden. Sponsored by UK DFID.

Erbaugh, J. (2017). The creation and governance of Indonesian forest landscapes and their impact on village development and rural livelihoods. 18 January, 2017. Presented at AMINEF, Jakarta, Indonesia. Sponsored by American-Indonesian Exchange Foundation

Erbaugh, J. (2017). Conducting research in Indonesia during your Fulbright. 16 June, 2017. Presented and participated as panelist at Fulbright Pre-Departure Orientation Conference, Washington DC, USA. Sponsored by Institute for International Education (IIE) and the Fulbright Program

Erbaugh, J. and Mora, A.M. (2016). Assessing, analyzing, and visualizing Indonesian forest policy, 2000-2015. Presented and moderated session at International Union of Forestry Conference, Bogor, Indonesia. Sponsored by American-Indonesian Exchange Foundation and Borlaug Global Food Security Fellowship.

Erbaugh, J. (2016). Food Security and Forests: The Indonesian Context: Defining, Conceptualizing, and Operationalizing Relationships between Forest Management, Food Security, and Multidimensional Poverty. Presented at Fulbright Southeast Asia Research Conference, Jakarta, Indonesia. Sponsored by American-Indonesian Exchange Foundation.

Erbaugh, J., Ristiano P., Nurrochmat, D. (2015). Engaging sub-national political actors to reduce emissions from deforestation and forest degradation in Indonesia. 28 November 2015. Presented at FLARE Conference, Paris, France. Sponsored by Dow Sustainability Fellowship and Rackham Graduate School.

Erbaugh, J. (2015). Javanese afforestation: where, how, and why? 23 April 2015. Presented at Association of American Geographers Annual Conference, Chicago, Illinois.

Erbaugh, J. (2014). Bound to fail? The internal limits of the Navajo Forest Products Industry. 28 February, 2014. Presented at Dimensions of Political Ecology, University of Kentucky, Lexington, KY. Sponsored by Rackham Graduate School.

Erbaugh, J. (2014). Security beyond the political forest: Regulation, formalization, and smallholder timber production in northern Central Java. 13 February, 2014. Presented at World Congress of Agroforestry, New Delhi, India. Invited Presentation

Research and Teaching Experience

Instructor of Record, EEES 136: Graduate Seminar in Environmental Governance and Empirical Analysis 2019 Dartmouth College Designed and taught graduate seminar to graduate students on empirical, institutional analysis of environmental governance during Winter Term, 2019.

Supervisor, Undergraduate Research Opportunity Program (UROP) 2017-2018
University of Michigan
Taught research methods and managed research activities on sustainable energy transitions in the global south for three undergraduate students through the UROP.

Research Consultant, Impact Estimation for UK DFID 2016-Present
Ann Arbor and Indonesia
Collaborated on the design, sample, dissemination, and analysis of livelihood and wellbeing surveys and application development to estimate the impact of a suite of development projects aimed at promoting improved forest governance, decreased deforestation, and improved livelihood and wellbeing outcomes in Indonesia

Research Consultant, Gordon and Betty Moore Foundation 2015-2018
University of Michigan
Co-wrote a special issue proposal and coordinated a special issue linking academics and practitioners around sustainable tropical agriculture

Instructor, Enumerator Training for University of Jambi students/graduates Fall 2016
University of Jambi
Planned and taught open-interval sampling, interviewer technique, and electronic survey dissemination in Bahasa Indonesia for 3 students and 5 graduates from the University of Jambi

Graduate Student Instructor, Undergraduate Course, "Environ 207: Sustainability and Society," Fall 2015
Literature, Science, and the Arts Program in the Environment, University of Michigan
Developed lesson plans for undergraduate discussion sections, lectured and assessed 80 undergraduate in core-requirement for the Minor in Sustainability

Graduate Student Instructor, "NRE 563: International Environmental Governance," Winter 2015
School of Natural Resources and Environment, University of Michigan
Assisted with material development and lectured in "International Environmental Governance" for 20 graduate students

Graduate Student Instructor, "Environ 207: Sustainability and Society," Fall 2014
Literature, Science, and the Arts Program in the Environment, University of Michigan
Developed lesson plans for undergraduate discussion sections, lectured and assessed 75 undergraduate in core-requirement for the Minor in Sustainability

Graduate Student Instructor, School of Geography and Environment Fall 2013
University of Oxford
Developed course material, organized guest DPhil speakers, and lectured for a core Master's-level course "Research Methods"

Instructor, Enumerator Training in Jepara and Gunungwungkal Regencies Fall 2012
Center for International Forest Research (CIFOR)
Trained or re-trained local men on survey application in rural Java

Instructor/Grantee, Fulbright ETA 2010-2011
SMK Farming Pati
English as a Second Language Instructor
Designed and taught ESL curriculum as lead teacher at a vocational farming school in rural Central Java

Instructor, General Science, Navajo Middle School 2008-2010
Teach For America Corps Member
Designed curriculum and taught 8th grade science, designed curriculum and taught first elective science class at Navajo Middle School, taught Math Assistance courses

Coach, Navajo Middle School 2009-2010 Coached 8th grade boys basketball at Navajo Middle School (Eastern Reservation Junior Men's Championship)

Coach, Math, Engineering, Science Achievement Founder (MESA), Navajo, NM 2008-2010
Founded and advised MESA program for minority students in STEM subjects at Navajo Middle School

Research Assistant, New England Pine Barrens Forestry Research 2007
University of Massachusetts-Amherst

Service

Committees:

Interdisciplinary Workshop on Environmental Governance, Graduate Student Coordinator (2017-2018); Doctoral Organizing Committee, Seminar Chair (2015-2017)

Reviewer:

Conservation Biology, Forest Policy and Economics, Forests and Society, Geoforum, Global Environmental Conservation, Land Degradation and Development, Land Use Policy, World Development

Language and Other Skills

English: Native

Indonesian: Advanced

Spanish: Intermediate (reading)

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, Gallup-McKinley County School District, and Santa Fe Community College (Navajo, NM), 2008-2010:
Professional Development; General Pedagogy; Science Instruction

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