

Curriculum Vitae  
Marcellus M. Caldas  
Associate Professor  
Depto of Geography, 1001 Seaton Hall  
Kansas State University  
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### Education

1984 B.A. of Sciences in Economics, Pontificie Catholic University, Brazil  
1989 M.Sc. in Agricultural Economics, Federal University of Viçosa, Brazil  
2001 Ph.D. in Applied Economics, College of Agriculture, University of São Paulo, Brazil  
2002-03 Postdoctoral, Harvard University, U.S.A.  
2008 PhD in Geography, Michigan State University, U.S.A.

### Experience/Appointments

2016-Present: Assistant Provost, International Collaboration and Educational Programs, Office of International Programs, Kansas State University, U.S.A.  
2014-2016: Director of Int'l. Research and Faculty Collaboration, Kansas State University  
2014-Present: Associate Professor, Dept. of Geography, Kansas State University, U.S.A.  
2008-2013: Assistant Professor, Dept. of Geography, Kansas State University, U.S.A.  
2003-2008: Visiting Researcher & PhD student at Michigan State University, USA  
2002-2003: Researcher, Cter. for Int'l Dev., Kennedy Sch. of Gvn't, Harvard University, U.S.A.  
2001: Associate Professor, Dept. of Social Sciences Applied to Agriculture, College of Agriculture, Federal University of Bahia, Brazil  
1997-2000: PhD student at University of Sao Paulo & Visiting Researcher in the Center for Earth Observation and Remote Sensing, Michigan State University, U.S.A.  
1995-1996: Vice-Graduate Director, Colleg of Agriculture, Federal University of Bahia, Brazil  
1993-1995: Associate Professor, Department Chair, Dept. of Social Science Applied to Agriculture, College of Agriculture, Federal University of Bahia, Brazil  
1990-1993: Assistant Professor, Dept. of Social Sciences Applied to Agriculture, College of Agriculture, Federal University of Bahia, Brazil

### Selected University Service

Member, Five-Year Review Committee, Associate Dean of Int'l Ag. Programs, College of Agriculture, 2018  
Member, University Task Force for the Carnegie Foundation's Elective Community Engagement Reclassification, 2017-present  
Member, Integrity in Research and Scholarly Activity Committee (IRSAC), present-2021  
Member of the Associate Deans Research Council (ADRC), present  
Co-Chair of the International Risk Advisory Council (IRAC), present  
Member Appointed by the Faculty Senate, Distinguish Lecturers Committee, present  
Member, the Diversity and Inclusion Committee, College of Arts and Science, present  
Member of the Export Control Working Group, Kansas State University – present  
Member, Integrity in Research and Scholarly Activity Review Committee, 2017  
Member, Search Committee for Chief Diversity and Inclusion Office, 2017  
Chair of the Alianza Scholarship Committee, Kansas State University Affinity Group, 2017

Member, the Research, Scholarly and Creative Activities, and Discovery (RSCAD) Comm., 2016  
 Member, OIP Space Migration Committee, 2016  
 Member, Search Committee, Dean of Arts & Sciences, 2016  
 Task Force for Humanities and Social Sciences, College of Arts & Sciences, 2016-present  
 Chair of the Search Committee, Assistant Professor in Human Geography, 2016  
 Chair, Committee for Recommendations, Int'l. and Area Studies Secn. Majors and Minors in the College of Arts & Sciences, 2016  
 Member, OIP Search Comm., K-State Director of the Confucius Institute, 2015  
 Chair - International Educator of the Year Award Committee 2013- present  
 Chair of the Collegiate Advisory International Committee (CAIC), 2014-present  
 Member of the Global Campus Strategic Planning Committee, 2014-present  
 Member of the Department of Geography Graduate Committee, 2013-present  
 Member of the Education Abroad Scholarship Review Committee, present  
 Faculty Senate Member, Arts & Science Caucus Committee, 2012  
 Member, Search Committee, English Language Program (ELP), OI Programs  
 Member, Search Committee, Director of International Student Recruitment, OIP, 2014  
 Member, Search Committee Department Head in Geography, 2013  
 Member, Search Committee, Interim Department Head in Geography, 2011  
 Member, University Small Research Grants – 2012, 2013, 2014, 2015  
 Member, Faculty Development Award – 2012, 2013, 2014, 2015  
 Member of Federal University of Bahia Graduate School Committee, 1995-1997

*Service Outside the University*

Member, National Science Foundation Panel FY'19 Innovations at the Nexus of Food, Energy and Water Systems (INFEWS) Panel/Track 2-A  
 Member, Award Committee Association of International Education Administrators (AIEA), present  
 Member, Strategic Issues Committee, Association of International Education Administrators (AIEA), present  
 External Member, Maringa State University Print-CAPES Committee for Internationalization, Brazil, 2018  
 Editor of the Special Edition “*Land Use and Energy*”, Journal of Land Use Science, 2017  
 Member, Proposal Reviewer, Association of International Educators (NASFA), 2016  
 Member, National Science Foundation Panel, Couple Natural Human System Program – 2014  
 Member, National Science Found. Panel, Program in Geography and Spatial Sciences, 2011  
 Editorial board, Journal Professional Geography: 2011- present  
 Editorial board, Journal of Geography and Natural Disasters: 2011- present  
 Editor, Newsletter of the Conference of Latin American Geographers: 2010-2011  
 Advisor of the Brazilian Student Association, Kansas State University: 2012- 2016  
 Member, Organizational Committee, the 31<sup>th</sup> Conference of the Brazilian Society of Agricultural Economist (SOBER), Ilheus, Brazil, 1993.  
 Member, U.S. National Section of Pan American Institute of Geography and History (PAIGH), 2011 (Commission of Geography, Member of the Committee on Techniques, Methods and Geographic Information)

*Honors and Awards*

Member, Nomination, the Committee for Institutional Internationalization at Maringa State University – Brazil, 2017

Nominated, Dr. Ron and Rae Iman Outstanding Faculty Award in Research, 2015, 2016  
Kansas State University International Educator of the Year, 2013  
Graduate Student of the Year, Michigan State University, 2007  
Phi Beta Delta, Honor Society for International Scholars, 2006  
Best PhD Dissertation – Dept. of Economics, Business and Rural Sociology, College of  
Agriculture, University of São Paulo, Brazil, 2001

Professional Affiliation

Association of International Educators Administrators (AIEA)  
European Association International Education Administrators (EAIE)  
Association of International Educator (NAFSA)  
Brazilian Society of Agricultural Economists (SOBER)  
Brazilian Society to the Progress of Science (SBPC)  
Association of American Geographers (AAG)  
Conference of Latin American Geographers (CLAG)

Grants (Pending, active, funded, non-funded)

“Modeling the Effect of Agribusiness in Frontier Expansion and Evolution”, PIs: **Marcellus Caldas**, Jason Bergtold, Aleksey Shanoyan. NSF/GSS \$700,525 (submitted).

“CNH-L: Climate Change and Policy Impacts on Landscapes and Biodiversity Across the Cerrado of Brazil”. PIs: Jason Bergtold, **Marcellus Caldas**, Paulo De Marco Junior. NSF/CNH \$1,799,979 (Not Funded).

“Doctoral Dissertation Research: Modeling Land Change Dynamics of Sugarcane to Predict Cerrado Biodiversity Vulnerability.” PIs: **Marcellus Caldas** & Gabriel Granco. NSF \$8,109 (Not funded).

“CNH: Coupled Climate, Cultivation and Culture in the Great Plains: Understanding Water Supply and Water Quality in a Fragile Landscape.” PIs: Melinda Daniels, **Marcellus Caldas**, Joe Aistrup, Kyle Mankin, Martha Mather, NSF, U\$ 1,460,285 – (Funded).

“Collaborative Research: Land Change in the Cerrado: Ethanol and Sugar Cane Expansion at the Farm and Industry Scale.” PIs: **Marcellus Caldas**, Jason Bergtold. NSF, U\$611,084 (Funded).

“Farmers’ Decisions to Grow Crops for Fuel” PI- Dietrich Earnhart, PI-Jeff Peterson, CO-PI Chris Brown, Co-PI: Jason Bergtold, Collaborator: **Marcellus Caldas**, NSF, U\$2,026,052 (Funded).

“Globalization - Socio-economic, Political, and Environmental Interdependence: A Collaborative, Multi- Disciplinary, Multi-Cultural Education Exchange between the United States and Brazil.” The FIPSE grant consortium: Michigan State University (MSU), Kansas State University (KSU), the Federal University of Pará (UFPA), and the Federal University of Bahia (UFBA). PI-Cindy Simmons- Michigan State; Co-PI: **Marcellus Caldas**, U.S. Department of Education, U\$ 246,329 (Funded).

“National Science Foundation, Collaborative Research: CNH-Modeling the Relationship Between Land Use/Land Cover Change and Ecosystem Health in a Rapidly Changing

Pioneer Agricultural Community.” PIs: Douglas Goodin, **Marcellus Caldas**, U\$382,277 (not funded).

“Biofuel expansion in Brazil: the case of sugarcane expansion in the Cerrado.” University Small Research Grant, PI: **Marcellus Caldas**, KSU, U\$5,000 (Funded).

“Spatially Specific Land Cover Econometrics & Integration With Climate Prediction: scenarios of future landscape and land-climate interactions”, PI-Robert Walker & Estaquio Reis, Collaborator: **Marcellus Caldas** – NSF U\$ 278,702 (Funded)

“Settlement Formation and Land Use and Land Cover Change: a case study in the Brazilian Amazon.” PI- Robert Walker, Co-PI: **Marcellus Caldas**, NSF \$11,900 (Funded).

“Tinker Field Research Grant, Fieldwork in Brazil.” Center of Latin American and Caribbean Studies (CLACS), Michigan State University, PI: **Marcellus Caldas**, U\$5,000 (Funded).

“Collaborative Research: Brazil’s Direct Action Land Reform Movement: Environmental Impacts and Socio-spatial Dynamics.” PI: Robert Walker (MSU), Collaborator: **Marcellus Caldas**. NSF \$250,000 (Funded)

“Collaborative Research: Socio-Spatial Processes of Road Extension and Forest Fragmentation in the Amazon.” PI-Robert Walker, Collaborator: **Marcellus Caldas**. NSF \$158,246 (Funded).

“Collaborative Research: Patterns and Processes of Landscape Change in the Brazilian Amazon.” PI: Robert Walker (MSU), Collaborator: **Marcellus Caldas**. NSF, \$78,420 (Funded).

“Terrestrial-Aquatic Flux of Carbon: An Integrative Framework for Assessing Human-Natural System Response to Climate and Land Use Change Projections in the Amazon.” PIs: **Marcellus Caldas**, Jason Bergtold, Chuck Rice, Melinda Daniels, Marcos Heil Costa, Carlos Souza Jr., Anthony Aufdenkampe. Letter of Intent to NASA/ROSE Program (Accepted for Step 2, Not funded).

“CNH: The impacts of societal decisions and climate on agricultural sustainability.” PIs: Nathaniel Bunsell, Chris Bown, Daniel Hirmas, Jason Bergtold, **Marcellus Caldas**, NSF, U\$ 1,499,712 (Not funded).

*Publications under review, accepted, published*

da Silva, M. B., Partelli, F. L., **Marcellus Caldas**. Nutritional balance and its relationship to yield in a coffee field in Brazil: Inferences from geospatial analysis. *Experimental Agriculture* (Publication under-review)

Colussi, J., **Marcellus Caldas**, Granco, G., Dewes, H., Bolfe, E. and Barcellos, B. Land use change in the development of a new agricultural frontier of Brazil: the case of Matopiba. *Journal of Latin American Geography* (Publication under-review)

Santanna, A.C., Xia, T., Bergtold, J., **Marcellus Caldas**, Granco, G. What is driving the sugarcane expansion in Brazil? A look at internal and external factors. *Energy*. (Publication

*under- review).*

Sanderson, M., Bergtold, J., Heier-Stamm, J., **Marcellus Caldas**, Ramsey, S., Aistrup, J. Climate change beliefs: disentangling the knot of motivating factors. *Global Environmental Change*. (Publication under-review).

Bernardo, R., Lourenzani, W., **Marcellus M. Caldas**. Analysis of sugarcane crop productivity in the states of Mato Grosso do Sul (MS) and Goiás (GO), Brazil. *Journal Ciencia Rural*. (Publication under-review).

Bánkuti, F. I., **Marcellus Caldas**, Bánkuti, S. M. S., Granco, G. Geographical milk redistribution in Parana State, Brazil: consequences of institutional and market changes. *Land Use Policy* (Publication under-review).

Publications In-press/Accepted

Granco, G., **Marcellus Caldas**, de Marco Jr., P. 2019. Potential effects of climate change on Brazil's land use policy for renewable energy from sugarcane. *Resources, Conservation & Recycling*. (Accepted)

**Marcellus Caldas**, Mather, M., Bergtold, J., Daniels, M., Granco, G., Aistrup, J., Haukos, D., Sheshukov, A., Sanderson, M., Stamm, J.H. 2019. *Lessons Learned in Operationalizing Interdisciplinary Collaboration*. In: Collaboration Across Boundaries for Social-Ecological System Science: Experiences from Around the World. Editor: Stephen Perz, University of Florida, Press: Palgrave Macmillan (In-Press).

Publications published

Sant'Anna, A.C., Bergtold, J., Shanoyan, A.; **Marcellus Caldas**, Granco, G. 2018. Examining the relationship between vertical coordination strategies and technical efficiency: Evidence from the Brazilian ethanol industry. *Agribusiness* 34:793-812.

Granco, G., , Sant'Anna, A.C., Bergtold, J.S. **Marcellus Caldas**. 2018. Ethanol plant location decision in the Brazilian Cerrado. *Biomass and Bioenergy* 111:125-133.

Jepson, W. and **Marcellus Caldas**. 2017. Changing Energy Systems and Land-Use Change. *Journal of Land Use Science*. Vol12 (6):405-406.

Bergtold, J., **Marcellus Caldas**, et al. 2017. Indirect land use from ethanol production: the case of sugarcane expansion at the farm level on the Brazilian Cerrado. *Journal of Land Use Science*. Vol 12(6): 442-456.

Granco, G., Caldas, **Marcellus Caldas**, Bergtold, J.S., Sant'Anna, A.C. 2017. Exploring the policy and social factors fueling the expansion and shift of sugarcane production in the Brazilian Cerrado. *GeoJournal*. Vol 82(1):63-80.

Sanderson, M., Bergtold, J., Heimer-Stamm, J. **Marcellus Caldas**, Ramsey, S. 2017. Bringing the "social" into sociohydrology: Conservation policy support in the Central Great Plains of Kansas, USA. *Water Resources Research*. (<https://doi.org/10.1002/2017WR020659>)

Pfaff, A., Robalino, J., Reis, E.J., Walker, R., Perz, S., Laurance, W., Bohrer, C., Aldrich, S.,

Arima, A., **Marcellus Caldas**, and Kirby, K. 2017. Roads & SDGs, tradeoffs and synergies: learning from Brazil's Amazon in distinguishing frontiers. *Economics*. Discussion Paper, No. 2017-83. October 09.

McKee, B. H. Sant'Anna, A.C., Bergtold, J., **Marcellus Caldas**, Granco, G. 2017. Trust me! Examining the contractual relationships between sugarcane producers and mills in the Cerrado. *Journal of Extension and Rural Studies* V.6 (2): 97-117.

Bánkuti, F. I., **Marcellus Caldas**, Bánkuti, S. M. S., Granco, G. 2017. Spatial dynamics: a new "milk corridor" in Paraná State, Brazil. *Semina Ciências Agrárias*. Vol. 38(4): 2107-2118.

Santanna, A. C., Shanoyan, A., Bergtold, J., **Marcellus Caldas**, and Granco, G. 2016. Ethanol and Sugarcane Expansion in Brazil: What is Fueling the Ethanol Industry? *The International Food and Agribusiness Management Review* 19(4) DOI: 10.22434/IFAMR2015.0195

**Marcellus Caldas**, Bergtold, J.S., Peterson, J., Heinard, D. 2016. Land Use choices: the case of conservation reserve program (CRP) re-enrollment in Kansas, USA. *Journal of Land Use Science* DOI <http://dx.doi.org/10.1080/1747423X.2016.1215563>

Cynthia Simmons, Robert Walker, Stephen Perz, Eugenio Arima, Stephen Aldrich, and **Marcellus Caldas**. 2016. Spatial Patterns of Frontier Settlement: Balancing Conservation and Development. *Journal of Latin American Geography* DOI: 10.1353/lag.2016.0011

**Marcellus Caldas**, Sanderson, M., Mather, M., Daniels, M., Bergtold, J., Aistrup, J., Heier-Stamm, J.L., Haukos, D., Douglas-Mankin, K., Sheshukov, A., Lopez-Carr, D. 2015. Opinion: Endogeneizing culture in sustainability science research and policy. *Proceeding of the National Academy of Science* 112(27): 8157-8159.

B. Paul, M. Stimers, **Marcellus Caldas**. 2015. Predictors for survivor responses to the 2011 Joplin, MO, USA, tornado warnings. *Disasters* 39(1): 108-124.

Sant'Anna, A.C., Granco, G., Bergtold, J.S., **Marcellus Caldas**. 2015. Os Desafios da Expansão da Cana-de Açúcar: Como Pensam e Agem os Arrendatários e Produtores? Instituto de Pesquisa Econômica Aplicada (IPEA). Diretoria de Estudos e Políticas Setoriais de Inovação, Regulação e Infraestrutura (Diset). *Radar: tecnologia, produção e comércio exterior*, n. 39, jun. Brazil.

**Marcellus Caldas**, Doug Godin, Steve Sherwood, Juan Campos Krauer and Samantha M. Wisely. 2014. Land Cover Change in the Paraguayan Chaco: 2000-2011. *Land Use Science* 10(1): 1-18.

**Marcellus Caldas**, Jason Bergtold, Jeff Petersen, Chris Bown, Russel Graves. 2014. Farmer's attitudes to grow Biomass Energy Crops in Kansas. *Biomass & Bioenergy* 66:223- 231.

W. Lourenzani and **Marcellus Caldas**. 2014. Land use change from the sugar cane expansion in the western region of São Paulo state. *Ciência Rural* 44(11): 1980-1987.

Cater Wang and **Marcellus Caldas**. 2014. Fragmentation Patterns in Land Reform Settlements: a case study in the state of Pará, Brazil. *Society and Natural Resources*. 27(7): 742-

J. Peterson, **Marcellus M. Caldas**, J. Bergtold, B. Sturm, R. Graves, D. Earnhart, E. Hanley, J. Brown. **2014**. Economic Linkages to Changing Landscape. *Journal Environmental Management* 53 (1): 55-66 (<http://dx.doi.org/10.1007/s00267-013-0116-7>).

**Marcellus M. Caldas** and Steve Perz. **2013**. Agro-terrorism or Biocriminality: The Causes and Consequences of the Appearance of Witch's Broom Disease in Cocoa Plantations of Southern Bahia, Brazil. *Geoforum* 47: 147-157.

**Marcellus Caldas**. **2012**. Natural Disaster: Much Space for Progress! *Journal of Geography & Natural Disaster!* 2:1. (<http://dx.doi.org/10.4172/2167-0587.1000e103>.)

S. Aldrich, R. Walker, C. Simmons, **Marcellus M. Caldas**, S. Perz. **2012**. Contentious Land Change in the Amazon's Arc of Deforestation. *Annals of the Association of American Geographers*. Vol 102(1): 103-128.

R. Walker, C. Simmons, S., S. Perz, S. Aldrich, **Marcellus Caldas**, E. Arima. The Amazon Theater of Cruelty. **2012**. *Annals of the Association of American Geographers*. Vol 101(5): 1156-1170.

R. T. Walker, J. Browder, E. Arima, C. Simmons, R. Pereira, **Marcellus M. Caldas**, R. Shiota, S. de Zen. **2012**. *GeoForum Vol. 40* (5): 732-745.

Leite, F., **Marcellus M. Caldas**, Perz, S., Simmons, C. Walker, R., The Social and Environmental Outcomes of Direct Action Land Reform Settlements in the Amazon. **2011**. *Environment, Development and Sustainability*. Online First™, Vol. 13, 18 February 2011. (DOI 10.1007/s10668-011-9289-5).

Arima, E. Richards, P., Walker, **Marcellus M. Caldas**. **2011**. Statistical confirmation of indirect land use change in the Brazilian Amazon. *Environmental Research Letters*.6:1-7.

**Marcellus M. Caldas**. R. Walker, C. Simmons, S. Perz, S. Aldrich, Pereira, R., Leite, F. and Arima, E. **2010**. Settlement formation and land cover and land use change: a case study in the Brazilian Amazon. *Journal of Latin American Geography* Vol.9 (1): 124-144.

S. Perz, C. Simmons, R. Walker, **Marcellus M. Caldas**, F. Leite, S. Aldrich. **2010**. Intraregional Migration, Direct Action Land Reform, and New Land Settlements in the Brazilian Amazon. *Bulletin of Latin American Research*. Vol. 29(4): 459-476.

Cynthia Simmons, Robert Walker, **Marcellus Caldas**. **2010**. Doing it for themselves: Direct Action Land Reform in the Brazilian Amazon. *World Development*. Vol. 38(3): 429-444.

R. Walker, N. Moore, E. Arima, S. Perz, **Marcellus M. Caldas**, D. Vergara, C. Boher. **2009**. Can Protected Areas Protect the Amazon? *Proceedings of National Academy of Science*. Vol. 106 (26): 10582-10586.

Walker, R., Browder, J., Arima, E., Simmons, C., Pereira, R., **Marcellus Caldas**, Shiota, R. and Zen, S. 2009. Ranching and the New Global Range: Amazônia in the 21<sup>st</sup> Century.



*Geoforum* 40(5): 732-745.

S. G. Perz, **Marcellus M. Caldas**, R. T. Walker, E. Arima, and C. Souza Jr. **2008**. Road Networks and Forest Fragmentation in the Amazon: Explanations for Local Differences with Implications for Conservation and Development. *Journal of Latin American Geography* Vol. 7(2): 85-104.

S. G. Perz, S. Brillhante, F. Brown, **Marcellus Caldas**, S. Ikeda, E. Mendoza, C. Overdeest, V. Reis, J. F. Reyes, D. Rojas, M. Schmink, C. Souza, and R. Walker. **2008**. Climate Change, Land Use and Road Building: Prospects for Environmental Governance in the Amazon. *Philosophical Transactions of the Royal Society B* special volume on The Future of the Amazon, eds. Yadvinder Malhi and J. Timmons Roberts. Volume 363, Number 1498 / May 27.

S. G. Perz, C. Overdeest, E. Y. Arima, **Marcellus M. Caldas**, and R. T. Walker. **2007**. Unofficial Road Building in the Brazilian Amazon: Dilemmas and Models of Road Governance. *Environmental Conservation*. 34(2): 112-121.

S. G. Perz, **Marcellus M. Caldas**, E. Arima, and R. T. Walker. **2007**. Socio-spatial Processes of Unofficial Road-building in the Amazon: Socioeconomic and Biophysical Explanations. *Development and Change*. 38(3): 529-551.

G. R. Pontius, R. Walker, R. Yao-Kumah, E. Arima, S. Aldrich, **Marcellus M. Caldas**. **2007**. Accuracy assessment for a simulation model of Amazonian deforestation. *Annals of the Association of American Geographers*. 97 (4): 677-695.

C. Simmons, R. Walker, E. Arima, S. Aldrich, **Marcellus M. Caldas**, M. **2007**. Amazon Land War in the South of Pará. *Annals of the Association of American Geographer*. Vol. 97(3): 567 - 592.

M. Scouvar, R.T. Adams, **Marcellus M. Caldas** et al. **2007**. Causes of Deforestation in the Amazon: a qualitative comparative analysis. *Journal of Land Use Science*. Vol. 2(4): 257-282.

A. Pfaff, J. Robalino, R. Walker, E. Reis, S. Aldrich, **Marcellus M. Caldas**, S. Perz, C. Boher, E. Arima, W. Laurence, and K. Kirby. **2007**. Road Investments, Spatial Spillovers & Deforestation in the Brazilian Amazon. *Journal of Regional Science* Vol. 47(1): 109-123.

C. Simmons, **Marcellus M. Caldas**, S. Aldrich, R. Walker, and S. G. Perz. **2007**. Spatial Processes in Scalar Context: Development and Security in the Brazilian Amazon. *Journal of Latin American Geography*. 6(1): 125-148.

**Marcellus M. Caldas**, Walker, R.T., Arima, E., Perz, S., Aldrich, S., Simmons, C., Wood, C. **2007**. Theorizing Land Cover and Land Use Change: The Peasant Economy of Amazonian Deforestation. *Annals of the Association of American Geographer* 97 (1): 86-110.

Perz, S., Walker, R.T., **Marcellus M. Caldas**. **2006**. Beyond Population and Environment: Household Demographic Life Cycles and Land Use Allocation among Small Farmers in the Amazon. *Human Ecology* 34(6): 829-849.



Aldrich, S., Walker, R., Arima, E., **Marcellus M. Caldas**, Browder, J., and Perz, S. **2006**. Land Cover and Land Use Change: Processes of Social Stratification in Agricultural Expansion. *Economic Geography* 82 (3): 265-288.

Arima, E. Walker, R., Perz, S., **Marcellus M. Caldas**. **2005**. Loggers and Forest Fragmentation: behavioral models of road building in the Amazon basin. *Annals of the Association of the American Geographers* 95(3): 525-542.

Perz, S., Souza Jr., C., Arima, E., **Marcellus M. Caldas**, Brandão, A., Kennedy, F., Walker, R. **2005**. O Dilema das estradas não-oficiais na Amazônia. *Ciência Hoje* 37 (222): 56-58.

Pereira, R.J.,Vieira,W.C., Lima, J.E., **Marcellus M. Caldas**. **2004**. Determinantes do Desmatamento em Pequenas Propriedades na Amazônia: um estudo de caso em Uruara – PA. *Revista de Economia e Agronegocio* 2 (3):409-428.

Walker, R.T., Drzyzga, S., Li, Y., Qi, J., and **Marcellus M. Caldas**, Qi, J., Arima, E., and Vergara, D. **2004**. A Behavioral Model of Landscape Change in the Amazon Basin: The Colonist Case. *Ecological Applications* 14 (4) Supplement: S299-S312.

**Marcellus M. Caldas**, et al. **2003**. Ciclo de Vida da Família e Desmatamento na Amazônia: Combinando Informações de Sensoriamento Remoto com Dados Primários. *Revista Brasileira de Economia* 57(4): 683-711.

**Marcellus M. Caldas**, Walker, R. T. and Perz, S. **2002**. Small Producer Deforestation in the Brazilian Amazon: Integrating Household Structure and Economic Circumstance in Behavioral explanation. *CID Working Paper No. 96*. Harvard University Press.

Walker, R. T., Perz, S., **Marcellus M. Caldas**, Texeira da Silva, L.G. **2002**. Land uses and land cover change in forest frontier: the rolls of household life cycle. *International Journal Regional of Science* 25(2): 169-199.

Wood, C., Walker, R., Perz, S., Silva, L.G.T., Toni, F., and **Marcellus M. Caldas**. **1999**. *Segurança na Propriedade da Terra e a Conservação de Florestas Tropicais na Amazônia Oriental: O caso da Fronteira Agrícola de Uruará, PA*. EMBRAPA, Comunicado Técnico, No 16, 3pp. (Belém: EMBRAPA/CPATU. Refereed technical series).

Alger, K. and **Marcellus M. Caldas**. **1994**. The Declining of the Cocoa Economy in the Atlantic Forest of Southern Bahia, Brazil: Conservation Attitudes of Cocoa Planters. *The Environmentalist* 14 (2): 107-119.

#### Book Chapters

**Marcellus Caldas** et al. **2017**. Effects of Sugarcane Ethanol Expansion in the Brazilian Cerrado. In: *Bioenergy and Land Use Change*, Eds. Zhangcai Qin, Umakant Mishra, and Astley Hastings. Press: Wiley & American Geophysical Union. 196p.

Santanna, A. C., Granco, G., Bergtold, J., **Marcellus Caldas**, Tia Xia, Pedro Masi, Tyler Link, Wagner Lourenzani. **2016**. Desafios da Expansão Canavieira: como agem e pensam agricultores e arrendatários de terra em Goiás e Mato Grosso do Sul? In: *Quarenta Anos do*

*Etanol em larga escala no Brasil: desafios, crises e perspectivas*. Ed. Gesmar Rosa dos Santos. Brasília, 315p, IPEA: Institute of Applied Economic Research.

E. Brondizio, A. Cak, **Marcellus M. Caldas**, R. Bilborrow, E. Moran, C. Mena. T. Ludewigs, C. Fudemma, M. Batistela. **2009**. Deforestation and Small Holders in Amazonia. In: *Amazonia and Global Change*, Eds. Michael Keller, John Gash, Pedro Silva Dias. LBA/NASA. Geophysical Monograph Series Vol. 186, 565pp., American Geophysical Union.

C. Simmons, R. Walker, E. Arima, S. Aldrich, **Marcellus M. Caldas**. **2009**. A Guerra Amazônica pela Terra no Sul do Pará. In: *Sociedade, Territórios and conflitos: BR 163 em questão*. Eds. Edna Castro. Universidade Federal do Pará Press/NAEA.

Walker, R., M. Diniz, **Marcellus M. Caldas**, L. Chermont. **2008**. A Economia da Amazônia Hoje e Amanhã: Integração Nacional e a Expansão da Oferta. In: *Amazônia: natureza e sociedade em transformação* Ed.s M. Batistella, E.F.Moran & D.S. Alves. University of São Paulo Press: EDUSP

#### Other publications

Walker, R.T., E.J. Reis and **Marcellus M. Caldas**. **2011**. LBA-ECO LC-24 Historical Roads of the Legal Amazon: 1968-1993. Data set. Available on-line [<http://daac.ornl.gov>] from Oak Ridge National Laboratory Distributed Active Archive Center, Oak Ridge, Tennessee, U.S.A. <http://dx.doi.org/10.3334/ORNLDAAC/1043>

Walker, R.T. and **Marcellus M. Caldas**. **2011**. LBA-ECO LC-24 Cadastral Property Map of Uruara,Para, Brazil: ca.1975. Data set. Available on-line [<http://daac.ornl.gov>] from Oak Ridge National Laboratory Distributed Active Archive Center, Oak Ridge, Tennessee, U.S.A. <http://dx.doi.org/10.3334/ORNLDAAC/1042>

**Marcellus Caldas**. **1995**. O Dilema do governo com o Plano Real. Jornal A TARDE. Salvador - Bahia. (Newspaper article: The dilemma of the Government with the Real Plan).

**Marcellus Caldas**. **1994**. Brasil 94: crise de esperança. Jornal A TARDE. Salvador-Bahia. (Newspaper article: Brazil 94: the crises of hope).

Wood, C.H., Walker, R.T., Perz, S., Silva, L.G.T., Toni, F. and **Marcellus Caldas**. **1999**. Segurança na Propriedade da Terra e a Conservação de Florestas Tropicais na Amazônia Oriental: O Caso de Fronteira Agrícola de Uruará, PA. EMBRAPA: *Comunicado Técnico*, 16, novembro. P. 1-3.

#### Published Proceedings

Lourenzani, W. L.; Batista, R.D.; **Marcellus Caldas**. **2013**. *Implications of sugar cane expansion in Sao Paulo State, Brazil*. In: The 23<sup>rd</sup> Annual International Foods and Agribusiness Management Association, Atlanta. Proceedings of the Annual International Food and Agribusiness Management Association.

**Marcellus Caldas**, Walker, R.T., Skole, D., Chomentowisk, W., Shiota, R. **2001**. *A dinâmica de uso da terra e o desmatamento na Amazônia: Uma análise descritiva combinando informações de sensoriamento remoto com dados primários*. In: Anais do XXXIV Congresso Brasileiro de

Economia e Sociologia Rural.

Santos, J.A.G., Cardoso, C.E.L., **Marcellus Caldas**. 1996. *Análise da Distribuição de Crédito de Custeio Agrícola no Nordeste: o caso da mandioca*. In: Anais do XXXIV Congresso da Sociedade Brasileira de Economia e Sociologia Rural, Aracajú-Sergipe.

Pereira Filho, C. A. and **Marcellus Caldas**. 1995. *O Efeito de Políticas Públicas e as Mudanças na Estrutura do Comércio Internacional sobre o Crescimento da Produção de Cacau Estado da Bahia*. In: Anais do XXXIII Congresso Brasileiro de Economia e Sociologia Rural, Curitiba-Paraná.

Mesquita, A. S. and **Marcellus Caldas**. 1994. *A Política Estatal e o Crédito Rural*. In: Anais do XXXII Congresso Brasileiro de Economia e Sociologia Rural, Brasília-DF.

Alger, K. and **Marcellus Caldas**. 1993. *A Decadência da Economia Cacaueira na Mata Atlântica Baiana*. In: Anais do XXXI Congresso Brasileiro de Economia e Sociologia Rural, Ilhéus-Bahia.

**Marcellus Caldas**. 1986. *Análise Estacional de Produtos Selecionados para o Estado de Minas Gerais: Milho, Leite e Carne de Boi Gordo*. In: Anais do XXIV Congresso Brasileiro de Economia e Sociologia Rural, São Luis-Maranhão.

#### *Invited Talks*

**Marcellus Caldas**. 2018. Land Change Process in Cerrado and the Effects of Climate Change in Sugarcane Expansion. University of Los Banos. Los Banos, Philippines.

**Marcellus Caldas**. 2018. Land Dynamics in the Brazilian Cerrado. Vietnam National University of Agriculture, Hanoi, Vietnam.

**Marcellus Caldas**. 2018. The Land Change Response in the Brazilian Cerrado: the case of Sugarcane Expansion. Western Economic Association International, University of Newcastle. Newcastle, Australia.

**Marcellus Caldas**. 2017. “Internationalization: what do we need to formulate and strategic plan?” University of Brasilia. Brasilia, Brazil.

**Marcellus Caldas**. 2017. “Internationalization: what that means and what we will measure?” Maringa State University of Brasilia. Brazil.

**Marcellus Caldas**. 2017. Geography in the 21<sup>st</sup> Century Land Grant University. Virginia Polytechnic Institute and State University. USA.

**Marcellus Caldas**. 2017. Moving Forward with K-State’s Internationalization Goals. Kansas State University. January, 2017.

**Marcellus Caldas**. 2015. Land Use responses in the Brazilian Cerrado: impacts of sugarcane expansion. The Federal University of Viçosa, Brazil. October 2015.

**Marcellus Caldas**. 2015. What drives the sugarcane expansion in the Brazilian Savanna? The Federal University of Espirito Santo, Brazil. June 2015.

**Marcellus Caldas. 2014.** The Evolution of the Brazilian Agribusiness. The State University of São Paulo, Brazil (UNESP Tupa campus). October 2014.

**Marcellus Caldas. 2013.** LASPAU: Academic and Professional Programs for the Americas. K-State Webinar Graduate Opportunities at K-State.

**Marcellus Caldas. 2013.** Office of International Programs. Kansas State University. Title: International Research and Faculty Collaboration in the context of the 2025 Vision Plan.

**Marcellus Caldas. 2011.** Department of Geography, Penn State University. Title: What is driving settlement formation in the Brazilian Amazon: insights from a case study.

**Marcellus Caldas. 2009.** Laboratory of Studies of Anthropogenic Space, North Fluminense State University, Rio de Janeiro, Brazil. Title: Deforestation and Settlement formation: a case study in the Brazilian Amazon.

**Marcellus Caldas. 2009.** Department of Geography, KSU. Title: Settlement formation and land cover and land use change: a case study in the Brazilian Amazon.

**Marcellus Caldas. 2008.** Division of Biology, KSU. Title: Land cover and land use change in the Brazilian Amazon.

**Marcellus Caldas. 2008.** Department of Agricultural Economics, KSU. Title: Direct Action Land Reform in the Brazilian Amazon.

**Marcellus Caldas. 2008.** NASA/LBA meeting “Perspective Integrated Science for a Sustainable Future”, Manaus (Brazil). Title: Settlement formation and land cover and land use change: a case study in the Brazilian Amazon.

**Marcellus Caldas. 2007.** Theorizing Land Cover and Land Use Change: The Peasant Economy of Amazonian Deforestation. Department of Geography and Environment-Boston University.

**Marcellus Caldas. 2007.** Theorizing Land Cover and Land Use Change and the Role of The Peasant Economy in the Amazon Deforestation. Department of Geography-Portland State University.

**Marcellus Caldas. 2007.** Theorizing Land Cover and Land Use Change: The Peasant Economy of Amazonian Deforestation. Department of Geography-Kansas State University.

*Papers, Posters Presented, Session Organization, Conferences*

**Marcellus Caldas, Gabriel Granco, Melinda Daniels, Jessica Heier-Stamm, Jason Bergtold. 2018.** *Modeling Agents’ Decision Processes toward Environmental Policy in an Agricultural Landscape in the Central U.S. Great Plains.* Annual Conference of the American Association of Geographers (AAG), New Orleans, LA.

**Marcellus Caldas and Melinda Daniels. 2018.** *Climate Vulnerability and Adaptation: Integrative*

*Modeling for Coupled Natural-Human Systems*. In: Functional Models of Human Decision-making and Environmental Response Feedback Loops session. Annual Conference of the American Association of Geographers (AAG), New Orleans, LA.

Jason Bergtold, Matthew R Sanderson, Jessica L Heier Stamm, **Marcellus M Caldas**, Gabriel Granco, Martha Mather, Melinda Daniels. **2018**. *Perceived Vulnerability of the Ogallala Aquifer, Wetlands and Aquatic Biodiversity: The Gap between the Public and Scientific Experts*. Annual Conference of the American Association of Geographers (AAG), New Orleans, LA.

Matthew Sanderson, Jason Bergtold, **Marcellus Caldas**, Jessica Heier Stamm, and Steven Ramsey. **2018**. *Climate Change Beliefs: What is the Role of Values?* Annual Conference of the American Association of Geographers (AAG), New Orleans, LA.

Granco, G., **Marcellus Caldas**, and P. De Marco Jr. **2017**. *Climate Change and Land Use Politics: The Brazilian Sugarcane Zoning Policy*. Annual Conference of the American Association of Geographers (AAG), Boston, MA.

G. Granco, **Marcellus Caldas**, and P. de Marco Jr. **2017**. *Brazil's agricultural suitability for sugarcane production under climate change*. Annual Conference of Latin American Geographers (CLAG), New Orleans, LA.

G. Granco, **Marcellus Caldas**, J. Bergtold, and A.C. Sant'Anna. **2016**. *Farmer response to ethanol expansion: A panel analysis of sugarcane ethanol production in the Brazilian Savanna*. Presented at Conference of Latin American Geographers (CLAG), New Orleans, LA.

Sabates, S. **Marcellus Caldas**, de Marco Junior, P., Granco, G., Link, T. **2016**. *Agriculture production impacts on Cerrado Biodiversity: a land use analysis*. Annual Conference of the American Association of Geographers. San Francisco, CA.

G. Granco, **Marcellus Caldas**, and P. de Marco Jr. **2016**. *Climate change impacts on biofuel production: The case of sugarcane' suitability areas in the Brazilian Cerrado*. Regional Meeting of the Association of American Geographers (AAG), Colorado Springs, CO.

Granco, G., **Marcellus Caldas**, Bergtold, J.S., Sant'Anna, A.C., **2016**. *Ethanol and farmer's land use decision-making in the Brazilian Savanna*. Annual Conference of the American Association of Geographers. San Francisco, CA.

Chatterjee, S., Daniels, M.D. Bergtold, J., **Marcellus Caldas**, Sheshukov, A. and Gao, J. **2016**. *Modeling small dam fragmentation and climate change impacts on the hydrology of the Smoky Hill Basin, Kansas*. Annual Meeting of the American Association of Geographers, San Francisco, California, CA.

Chatterjee, S., J.S. Bergtold, **Marcellus Caldas** and M.D. Daniels. **2015**. *Drivers of Small Dam Construction Across Western and Central Kansas – An Analysis of Cropping Intensity and Associated Land- Use Characteristics*. Poster presented at the Governor's Conference on the Future of Water in Kansas, Manhattan, KS, November 18 – 19.

**Marcellus Caldas**, Tyler Link, Gabriel Granco. **2015**. *Ethanol industry expansion in the Brazilian Cerrado: A county level comparative analysis in the state of Goias*. Annual Conference of the

American Association of Geographers. Chicago, IL.

**Marcellus Caldas**, Gabriel Granco, Ana Claudia Sant'Anna, Jason S. Bergtold, **2015**. *Spatial explicit model of ethanol plant location in the Brazilian Cerrado*. Annual Conference of the American Association of Geographers. Chicago, IL.

**Marcellus Caldas**, Zermatt Gstaad, Swissotel Lucerne. **2015**. Panel Coordinator: *Agricultural Commodity*. Annual Conference of the American Association of Geographers. Chicago, IL.

**Marcellus Caldas**, Gabriel Granco, Jason Bergtold, Chris Brown. **2015**. *How sugarcane ethanol expansion impacts the Brazilian Cerrado land use: intensification or extensification?* Annual Conference of the American Association of Geographers. Chicago, IL.

**Marcellus Caldas**. **2014**. Panel Coordinator: *Large-scale farming and landscape change in the Brazilian Savanna* (Sponsored by Latin America Specialty Group, Rural Geography Specialty Group, Economic Geography Specialty Group). Annual Conference of the American Association of Geographers. Tampa, FL.

**Marcellus Caldas**. **2014**. *Is Sugarcane a New Driver of LULCC in the Cerrado?* Paper presented in the Annual Conference of the American Association of Geographers. Tampa, FL.

**Marcellus Caldas**, Jason Bergtold, Jeff Peterson, and Dietrich Earnhart. **2013**. *Post-CRP contracts: Land use choices among farmers in Kansas*. Climate Change and Energy: Basic Science, Impacts, and Mitigation. The Kansas EPSCoR Annual Meeting, Lawrence, KS.

Wagner Lourenzani and **Marcellus Caldas**. **2013**. *Heading West: the case of sugarcane the expansion in Brazil*. Annual Conference of the American Association of Geographers. Los Angeles, CA.

**Marcellus Caldas**. **2013**. *Factors Affecting Farmers' Willingness to Grow Alternative Biomass Feedstocks for Biofuels across Kansas*. Annual Conference of the Association of American Geographers, Los Angeles, CA.

**Marcellus M. Caldas**. **2012**. *Agro-terrorism, Land Buyouts, and Settlement Formation: the case of cocoa economy in Southern Bahia, Brazil*. Annual Conference of the Association of American Geographers. New York City, NY.

**Marcellus Caldas**. **2011**. *Deforestation and Social Conflict in the Atlantic Forest of Paraguay: effects of Brazilian immigration*. Annual Conference of the Association of American Geographers. Seattle, Washington.

**Marcellus Caldas**. **2011**. *Deforestation in the Amazon: Recent trends, methods, and research*. Interactive Short Paper Session: 3224. Annual Conference of the Association of American Geographers. Seattle, Washington.

Wang, C. and **Marcellus Caldas**. **2011**. *Comparison of Deforestation Fragment Patterns in Land Reform Settlements in the Brazilian Amazon*. Annual Meeting of the Great Plains/Rocky Mountain Division of the Association of American Geographers. Denver, Colorado. October 7 (Poster).

Simmons, C., **Marcellus Caldas**, Garret, S. 2010. *Globalization: Socioeconomic, Political and Environmental Interdependence*. 10<sup>th</sup> Annual Meeting of Directors of FIPSE/CAPES. Florianopolis, Brazil.

**Marcellus Caldas**. 2010. *The Political Economy of Sugarcane Expansion: the case of the Brazilian Savanna*. Conference of the Association of American Geographers. Washington, DC. April 2010 (Paper)

Spencer, J., Archer, A., **Marcellus Caldas**. 2009. *Optically stimulated luminescence dating of young spit and bar deposits from the Rio Tapajós, Brazil*. The Geological Society of America Annual Meeting in Portland, USA. (Paper).

**Marcellus Caldas** et al. 2008. *Land Reform Settlements in the Brazilian Amazon: New drivers of LCLUC. Presented at International Scientific Conference Amazon in Perspective Integrated Science for a Sustainable Future*. Large Scale Biosphere-Atmosphere Project in the Amazon (LBA/NASA). Nov 17-21, 2008 in Manaus, Brazil. (Paper).

Stephen Perz, **Marcellus Caldas**, Robert Walker, Carlos Souza Jr. 2008. *Heterogeneity in Road-building Processes & Road Network Architecture: A Comparative Analysis*. Large Biosphere, Atmosphere Experiment in the Amazon (LBA meeting), Manaus, Brazil.

**Marcellus Caldas** et al. 2008. *Land Reform in the Brazilian Amazon: Does Economic Development Lead to Social Justice and Environmental Degradation?* Annual Conference of the Association of American Geographers – Boston – Session: Negotiating Development in the Brazilian Amazon: Responding to Global Markets, Appeasing Local Demands (Paper)

**Marcellus Caldas** et al. 2006. *Settlement Formation, Land Use and Land Cover Change: a case study in the Brazilian Amazon*. Annual Conference of the Association of American Geographers, Chicago – Session: A View from the field II: Agrarian Reform, Development and Land Cover Change in the Eastern Amazônia. (Paper)

**Marcellus Caldas** et al. 2005. *Theorizing Land Cover and Land Use Change: The Peasant Economy of Amazonian Deforestation*. Annual Conference of the Association of American Geographers, Denver - Session: *Amazon and Environment II*. (Paper)

**Marcellus Caldas**. 2005. *Thirty Years of Development and Destruction in the Amazon*. Annual Conference of the Association of American Geographers, Denver. (Paper)

**Marcellus Caldas** et al. 2005. *Scenarios for econometric projections: the future of the Amazon*. Large Biosphere, Atmosphere Experiment in the Amazon – 9th LBA Science Team Meeting. São Paulo, Brazil. November 10-12, 2005. (Poster)

Walker, R. T., Pfaff, A., Reis, E., Arima, E., Robalino, J., **Marcellus Caldas**, Aldrich, S., Bohrer, C., Souza, C. 2005. *Roads and Deforestation in the Amazon Basin*. 9th LBA NASA Science Team Meeting. São Paulo, Brazil. November 10-12, 2005. (Paper)

Pfaff, A., Robalino, J., Walker, R., Reis, E., Perz, S., Bohrer, C., Laurance, W., Aldrich, S., Arima, E., **Marcellus Caldas**. 2005. *Road Investments, Spatial Intensification and Deforestation in*



*the Brazilian Amazon*. 9th LBA NASA Science Team Meeting. São Paulo, Brazil. Nov.10-12, 2005 (Paper)

Perz, S., **Marcellus Caldas**, Walker, R., Souza Jr., C. **2004**. *Socio-spatial Processes of Road-building and Cover Change: The Case of SINOP, Mato Grosso*. Poster presentation for the seventh LBA- ECO NASA Science Team Meeting. Sponsor: NASA. Brasilia, Brazil. July 27-29. 2004 (Poster)

**Marcellus Caldas**, Walker, R. Perz, S. Arima, E., Reis, E., Pfaff, A. **2004**. *Socio-spatial processes of forest fragmentation in the Brazilian Amazon: the case of Uruará*. 7th LBA- ECO NASA Science Team Meeting. Sponsor: NASA. Brasilia, Brazil. July 27-29 (Paper)

Walker, R., Arima, E., Reis, E., Perz, S., **Marcellus Caldas**, Souza Jr., C., Pfaff, A., Boher, C., Qi, J. **2003**. *Roads: Cause or Consequence of Land Use Change?* A Poster reporting on the project, A Basin-Scale Econometric Model for Projecting Future Amazonian Landscapes. 7th LBA- ECO NASA Science Team Meeting. Sponsor: NASA. Fortaleza, Brazil. November 5-8. 2003 (Poster)

**Marcellus Caldas** et al. **2001**. *Deforestation in the Brazilian Amazon*. In: Global Change Open Science Conference “Challenges of a Changing Earth”, Annals of The Global Change Open Science Conference, Amsterdam-Holland (Paper)

**Marcellus Caldas** et al. **2001**. *Spatial Evolution on Farm Properties: A Histogram Analysis*. Annual Conference of the Association of American Geographers, New York City (Paper)

**Marcellus Caldas** et al. **2000**. *Land Use and Land Cover Change in the Colonization Settlements along the Transamazon Highway*. Annual Conference of the Association of American Geographers, Pittsburg (Paper).

**Marcellus Caldas** et al. **2000**. *Deforestation and Land Cover Change at Household Level: Evidences from the Brazilian Amazon*. In: First Scientific Conference of the Large- Scale Biosphere- Atmosphere Experiment in Amazonia-LBA NASA Science Team Meeting, Belém, Brazil (Poster)

**44**. Alger, K., **Marcellus Caldas**. **1992**. *The Declining of the Cocoa Economy in the Atlantic Forest of Southern Bahia, Brazil*. XII Annual Meeting of the Latin American Association, Los Angeles, USA (Paper).

Graduate Student Advising and Committee Member  
*Adviser:*

Komal Preet (M.Sc. in Geography, Fall 2018)

Rebecca Lima Maranhao (Ph.D. in Geography, Fall 2018)

Luo Dong (Ph.D. in Geography, Fall 2016)

Heidi E. Mehl (Ph.D. in Geography, Graduated, Fall 2018)

Gabriel Granco (PhD in Geography, Graduated, Spring 2017)

Tyler Link (M.Sc. in Geography, Graduated Spring 2015)

Carter Wang (M.Sc. in Geography, Graduated, Spring 2012)

*Student Committee Member in Geography:*

Rhett Mohler (Ph.D. in Geography, Graduated, Spring 2011)

Jeremy Aber (Ph.D. in Geography, Graduated, Spring 2012)

Lisa Hook (M.Sc. in Geography, Graduated, Fall 2009)

Laura Wallace (M.Sc. in Geography, Graduated, Fall 2013)

Kyle Anibas (M.Sc. in Geography, Graduated, Fall 2013)

*Student Committee Member Outside Geography*

Nicholas Pates (PhD in Agricultural Economics, in residence)

Brian Lauer (PhD in Agricultural Economics, in residence)

Michael Lindbloom (PhD in Agricultural Economics, in residence)

Emrah Er (PhD in Agricultural Economics, in residence)

Nicolas Quitana Ashwell (PhD in Agricultural Economics, in residence)

Ana Claudia Santanna (PhD in Agricultural Economics, in residence)

Philip Omunga (PhD in Urban Planning, Graduated)

Samuel Demel (Ph.D. in Statistic, Graduated)

Elizabeth Canales (PhD in Agricultural Economics, Graduated)

Sheng Gong (PhD in Agricultural Economics, Graduated)

Brian Moore (M.Sc. in Industrial Engineering, Graduated)

Paul Bruss (M.Sc. in Civil Engineering, Graduated)

Prasad Daggupati (Ph.D. in Biological and Agricultural Engineering, Graduated)

Sumathy Sinnathamby (Ph.D. in Biological and Agricultural Engineering, Graduated)

*Graduate Students Committee Member Outside the U.S.*

Helder H. Martins (PhD., Dept. of Business Administration, Federal University of Santa Catarina, Brazil)

Gloria Y. Bolivar Duran (PhD. Dept. of Geography, Universidade Federal do Ceara, Brazil)

Joana Colussi (M.Sc. Dept. of Agribusiness, Federal University of Rio Grande do Sul, Brazil)

*Graduate Student Outside Chairperson*

Ana Luiza de Campos Paula (PhD., Dept. of Sociology) Chance Lee (Ph.D., Dept. of Curriculum and Instruction)

Sarinya Sungkatavat (Ph.D., Dept. of Hospitality & Management, Graduated)

Jesus E. Gomez (PhD., Division of Biology, Graduated)

Stephanie McCutcheon (PhD, Curriculum and Instruction)

*Visiting Scholar Mentor*

Wagner Lourenzani, PhD. State University of Sao Paulo, Brazil

Marcelo Barreto, Ph.D. Federal University of Espirito Santo, Brazil

Ferenc Bankuti, Ph.D. Maringa State University, Brazil

*Teaching*

K-State University – Department of Geography – Undergraduate and Graduate Students

Human Geography – GEOG 200 (Undergraduate)

Introduction to GIS – GEOG 508 (Graduate and Undergraduate)

Introduction to GIS – GEOG 508 (Online course) (Graduate and Undergraduate)

Geography of South America – GEOG 622 (Undergraduate)

Geographic Information System II – GEOG 708 (Graduate) Political Ecology of Land

Cover Change – GEOG 837 (Graduate)

Methods, Theories and Models in Geography – GEOG 900 (Graduate)  
Study Abroad in Brazil: Environment, Development and Non-fiction Writing - GEOG 495  
(Undergraduate)

Federal University of Bahia – Department of Social Sciences Applied to Agriculture –  
College of Agriculture – Undergraduate & Graduate Students  
Introduction to Microeconomics  
Environmental and Natural Resources Economics  
Agricultural Policy Brazilian Economy

Michigan State University – Department of Geography – GTA Undergraduate Students  
Introduction to Economic Geography - GEO 113  
Introduction to Geographic Information - GEO 221 Remote Sensing of the Environment -  
GEO 324 Spatial Data Analysis – GEO866

*Synergistic Activities and Collaborative Research*

Collaborative Research: “Brazil’s Direct Action Land Reform Movement: Environmental  
Impacts and Socio-spatial Dynamics.” Principal Investigator: Dr. Cynthia Simmons  
(Michigan State University), Sponsor: National Science Foundation, summer 2006.  
Fieldwork Coordinator

Collaborative Research: “Patterns and Processes of Landscape Change in the Brazilian  
Amazon.” Principal Investigator: Professor Robert Walker (Michigan State University),  
Sponsor: National Science Foundation, summer 2004. Fieldwork Coordinator

Collaborative Research: “Socio-spatial processes of road extension and forest fragmentation  
in the Amazon.” Principal Investigator: Professor Robert Walker (Michigan State  
University), Sponsor: National Science Foundation, summer 2002. Fieldwork Coordinator

Collaborative Research: “Determinants of Land Use Change in Latin America: the  
economics and ecology of land use change in Brazil.” Principal Investigator: Professor  
Theodore Panayoutos (Harvard University), Sponsor: AVINA Foundation, 2002.

Plan for Sustainable Development of Land Reform Settlements: Land Reform Settlements in  
the State of Bahia, Sponsor: National Institute of Colonization and Land Reform (INCRA),  
2001. Fieldwork coordinator.

Land Use and Land Cover Project: Fieldwork coordinator in the Atlantic Forest, State of  
Bahia. Principal Investigator: Dr. Keith Alger, Sponsor: Conservation International and  
Instituto Social Ambiental do Sul da Bahia (IESB), 1991.

*Workshops Organizer*

Collaborative Workshop: "Land Cover Dynamics in the Amazon: Social Science Debates  
and the Struggle for Synthesis." Organizers: Professor Robert Walker (Michigan State  
University), Dr. Stephen Perz (University of Florida), and Dr. Marcellus Caldas (Federal  
University of Bahia). Symposium at Second Science Meeting, Sponsor: NASA. Manaus,  
Brazil. July 11-12, 2002.

The Special sessions - Managing Forest Resources in the Amazon: the “Terra do Meio.”

Convened at the XLI Conference - Brazilian Society of Rural and Agricultural Economists (SOBER). Organizer: Dr. Marcellus Caldas (Federal University of Bahia) and Professor Robert Walker (Michigan State University). Sponsor: Conselho Nacional de Pesquisa (CNPq) and the US National Science Foundation. Juiz de Fora, Brazil. July 27-30, 2003

Training of Brazilian and USA Students

Fieldwork/surveys (2006, 2005, 2004, 2000)

Journal Reviewer

Annals of the American Association of Geographers

Brazilian Journal of Agricultural Economics

World Development

Journal of Land Use Policy

Journal of Land Use Science

Global Environment Change

Journal of Animal Conservation

Journal of Conservation Biology

Journal of Political Geography

Journal of Applied Geography

The Professional Geographer

Journal of Geomorphology

Journal of Latin American Geographers

Journal of Transport Geography

Proposal Reviewer

National Geographic – 1 proposal 2016

National Science Foundation - 1 proposal 2013

National Science Foundation - 1 proposal 2012

National Science Foundation - 1 proposal 2010

National Science Foundation - 1 proposal 2009

National Science Foundation - 2 proposals 2008

Georgian National Science Foundation - 1 proposal 2007

Georgian National Science Foundation - 5 proposals 2006

Book Reviewer

**2016** Invited reviewer for the Journal of Latin American Geography -- “Conjuring Property: Speculation and Environmental Futures in the Brazilian Amazon”, Author: Jeremy Campbell. University of Washington Press.

**2010** Invited reviewer for the Journal of Latin American Geography -- “Political Ecologies of Cattle Ranching in Northern Mexico: Private Revolutions”. Author: Eric Perramond. Tucson: University of Arizona Press, 2010. University of Arizona Press.