

**Maria Claudia Lopez**  
326 Natural Resources Building, 480 Wilson Road  
Michigan State University  
East Lansing, MI 48824  
Tel: 517-432-6143 Fax 517-353-8994  
e-mail: [mlopez@msu.edu](mailto:mlopez@msu.edu)  
<http://mariaclaudialopez.jimdo.com/>

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### **Current Academic Positions**

Assistant Professor (tenure system)  
Department of Community Sustainability  
Michigan State University. August 2013 to date.

Fellow 2016  
Academy for Global Engagement  
Michigan State University.

Affiliate Faculty  
Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis  
Indiana University. July 2009 to date.

### **Education**

PhD. 2008. Resource Economics. University of Massachusetts, Amherst, MA.  
*Areas of Specialization:* Natural Resources, Environmental Economics and Experimental Economics; *Minor:* Development Economics.

*Dissertation:* "Internal, External and Dual Enforcement to Enhance Cooperation Among Users of Natural Resources: Evidence from Experiments in the Field".

MSc. 2001. Rural Development. Pontificia Universidad Javeriana, Bogotá, Colombia  
*Thesis:* "Communication for Cooperation in the Rural Field: An Experimental Economic Analysis".

B.Sc. 1999. Economics. Pontificia Universidad Javeriana, Bogotá, Colombia  
*Thesis:* "The Clean Development Mechanism in the Colombian Energy Sector".

### **Academic Experience**

Research Associate. Institute of Behavioral Science. University of Colorado, Boulder, CO. July 2012- August 2013.

Assistant Professor. Department of Rural and Regional Development. School of Environmental and Rural Studies. Pontificia Universidad Javeriana, Bogotá, Colombia. July 2009 - January 2013.

Visiting Research Professor. Department of Public Finance. University of Innsbruck, Austria. February - August 2011.

Post-doctoral Fellow. Workshop in Political Theory and Policy Analysis. Indiana University, Bloomington, IN. July 2007 – June 2009.

Research Assistant. University of Massachusetts, Amherst, MA. 2006

Teaching Assistantship. University of Massachusetts, Amherst, MA. 2004 - 2005

Research Assistant. Department of Rural and Regional Development. School of Environmental and Rural Studies. Pontificia Universidad Javeriana, Bogotá, Colombia. Sept. 2000 - May 2002.

## Languages

English - full professional fluency.

Spanish - native language.

French - 14 years of bilingual education, fluency

## Funded Research Projects

African Great Lakes Coffee Project. 2015-2018 PI. Dan Clay. Co-PIs: David Ortega and **Maria Claudia Lopez** Funded by US Agency for International Development. \$ 1.8 million.

Land Use and Spatial Decision-Making for Sustainable Community Development in Tanzania. 2015. Co-PIs: Cloé Garnache, **Maria Claudia Lopez**, Amber L. Pearson, Robert B. Richardson and Adam Zwickle. Funded by Center for Advanced Study of International Development, African Studies and the Center for Gender in Global Context, Michigan State University. \$ 36,850.

Workshop: Food, Energy, Water and Abundance: Improving Cross-Border Governance and Protection of the Great Waters of the World. 2015 Co-PIs: Cloé Garnache, **Maria Claudia Lopez**, Emilio Moran, Patricia Norris, Amber L. Pearson, Robert B. Richardson and Adam Zwickle. Funded by Directorate for Social, Behavioral, and Economic Sciences, National Science Foundation. \$ 90,971

The Big Canal of Nicaragua (water token initiative). 2015-2017 Jennifer Goett, **Maria Claudia Lopez**, Laurie Medina, Gerald Urquhart, and Daniel Kramer. Funded by MSU Water Science Network, ESPP, Michigan State University. \$ 80,000

The Emergence of Adaptive Governance Arrangements for Tropical Forest Ecosystems. 2012-2015. PIs: Krister Anderson. Co-PIs: Robin Chazdon, Arun Agrawal, and Jan Sendzimir. Funded by National Science Foundation. \$1,500,000.

Exploring the Variability in Responses to Scarcity Shocks: Austria and Colombia. 2012-2013. PI: Esther Blanco. Funded by Hypo Tirol Bank Research Promotion Award. 1,800€.

Performance Based Payments for Protecting Turtles: Understanding the Conditions for its Success. 2012-2013. PI: Roger Madrigal. Funding by EfD. \$20,000.

Scarcity Shocks: Endowment and Marginal Effects. 2011-2013. PI: Esther Blanco. Projects for Young Talents of the University of Innsbruck. 15,000€.

Creation, Adaptation and Evolution of Rules and Norms for the Management of Natural Resources: Evidence from Experimental Economics in the Field. 2008-2011. PI: **Maria Claudia Lopez**. Funded by the Latin American and Caribbean Environmental and Economics Program (LACEEP) \$19,715.

Climate Change and Responses in a Coupled Marine System. 2009- 2012. PIs: Bonnie J. McCay, Eric N. Powell, Eileen E. Hofmann, Dale B. Haidvogel, Roger L. Mann, Sylvia Brandt, and Janice McDonnell. Funded by National Science Foundation. \$1,200,000.

The Role of Coastal Communities on The Management of Marine Turtles in Central America: The Case of Ostional Wildlife Refuge. 2011-2012. PI: Roger Madrigal. Funded by EfD. \$20,000

Awareness Raising and Capacity Building at Local Rural Colombian Communities an a Better Management of Their Natural Resources. 2009-2010. PI: Antoni Llull. Funded by Government of the Balearic Islands. 10,000€.

Experimental Economics for a Better Management of Natural Resources in Tourism Destinations. 2009. PI: Catalina N. Juaneda. Funded by Government of the Balearic Islands. 5,000€.

### **Papers and Publications**

Undergrad students non MSU<sup>o</sup>, Graduate students non MSU\*, Graduate student from MSU<sup>o</sup>

#### ***Peer Reviewed Publications in English***

16. Carl Salk, **Maria Claudia Lopez**, and Grace Wong. “Simple incentives and intra-group dependence promote success in payments for ecosystem services programs: Evidence from an experimental game in rural Lao PDR”. *Forthcoming Conservation Letters*.

15. Luz Elba Torres\*, **Maria Claudia Lopez** and Achim Schlüter. 2016. “Understanding artisanal fishermen’s behavior: the case of Ciénaga Grande de Santa Marta, Colombia”. *Sustainability* 2016, 8, 549; doi:10.3390/su8060549

14. Esther Blanco, Tobias Haller, **Maria Claudia Lopez** and James Walker. 2016. “The Tension Between Private Benefits and Degradation Externalities from Appropriation in the Commons”. *Journal of Economic Behavior & Organization*. 125. 136-147./

13. Luz Elba Torres\*, Achim Schlüter and **Maria Claudia Lopez**. 2016. “Collective Action in a Tropical Estuarine Lagoon: Adapting Ostrom’s SES Framework to Ciénaga Grande de Santa Marta, Colombia”. *International Journal of the Commons*. DOI: 10.18352/ijc.623

12. **Maria Claudia Lopez** and Emilio Moran. 2016. “The Legacy Of Elinor Ostrom and its Relevance to Issues for Forest Conservation”, *Current Opinion in Environmental Sustainability*. 19:47–56. <http://dx.doi.org/10.1016/j.cosust.2015.12.001>

11. Emilio Moran and **Maria Claudia Lopez**. 2016. “Future Directions in Human-Environment Research”. *Environmental Research*. Vol. 144 pp 1-7. DOI: 10.1016/j.envres.2015.09.019

10. Esther Blanco, **Maria Claudia Lopez** and Sergio Villamayor-Tomas. 2015. “Exogenous Degradation in the Commons: Field Experimental Evidence”. *Ecological Economics*. Vol. 120. pp 430–439. DOI. 10.1016/j.ecolecon.2015.03.028

9. Esther Blanco, **Maria Claudia Lopez** and James Walker. 2015. “The Opportunity Costs of Conservation with Deterministic and Probabilistic Degradation Externalities”. *Environmental and Resource Economics*. DOI 10.1007/s10640-014-9868-7

8. Maria Alejandra Vélez and **Maria Claudia Lopez**. 2013. “Rules Compliance and Age: Experimental Evidence with Fishers from the Amazon River”. *Ecology and Society*. 18 (3): 10. [online] URL: <http://www.ecologyandsociety.org/vol18/iss3/art10/>
7. **Maria Claudia Lopez**, James Murphy, John Spraggon and John K. Stranlund. 2013. “Does Government Regulation Complement Existing Community Efforts to Support Cooperation? Evidence from Field Experiments in Colombia” In J. List, & M. Price (Editors). *Handbook on Experimental Economics and the Environment*. Edward Elgar Publishing. pp. 346–366.
6. Roger Madrigal-Ballesteros, Achim Schlüter and **Maria Claudia Lopez**. 2012 “What Makes them Follow the Rules? Empirical Evidence from Turtle Egg Harvesters in Costa Rica. *Marine Policy*, Vol. 37. pp 270-277. DOI:10.1016/j.marpol.2012.05.009.
5. **Maria Claudia Lopez**, James J. Murphy, John M. Spraggon and John K. Stranlund. 2012 “Comparing the Effectiveness of Regulation and Pro-Social Emotions to Enhance Cooperation: Experimental Evidence from Fishing Communities in Colombia”. *Economic Inquiry*. Vol. 50, No. 1. pp 131–142. DOI:10.1111/j.1465-7295.2010.00344.x.
4. Esther Blanco, **Maria Claudia Lopez** and Eric Coleman. 2012. “Voting for Environmental Donations: Experimental Evidence from Majorca, Spain”. *Ecological Economics*. Vol. 75. pp 52-60
3. Marty Anderies, Marco Janssen, Francois Bousquet, Juan Camilo Cárdenas, Daniel Castillo, **Maria Claudia Lopez**, Robert Tobias, Björn Volla and Amber Wutich. 2011. “The Challenge of Understanding Decisions in Experimental Studies of Common Pool Resource Governance”. *Ecological Economics*. Vol. 70. No. 9. pp 1571-1579. doi:10.1016/j.ecolecon.2011.01.011
2. **Maria Claudia Lopez**, Ester Blanco and Eric Coleman. 2011. “An Experimental Study for Environmental Fundraising in Majorca, Spain”. In Isaac, R.M. and Norton, D.A. (Editors). *Research in Experimental Economics Volume 14: Experiments on Energy, the Environment and Sustainability*, Emerald Group Publishing Limited. ISSN: 0193-2306/doi:10.1108/S0193-2306(2011)0000014009. pp 181-212.
1. Forrest Fleischman, Kinga Boenning, Gustavo Garcia-Lopez, Sarah Mincey, Mikaela Schmitt-Harsh, Katrin Daedlow, **Maria Claudia Lopez**, Xavier Basurto, Burney Fischer and Elinor Ostrom. 2010. “Disturbance, Response, and Persistence in Self-Organized Forested Communities: Analysis of Robustness and Resilience in Five Communities in Southern Indiana”. *Ecology and Society* 15 (4): 9. [online] URL: <http://www.ecologyandsociety.org/vol15/iss4/art9>

#### ***Book Chapters in English (not peer reviewed)***

1. **Maria Claudia Lopez**. 2012. “Conservation of Natural Resources: Which Matters – Having a Regulation or the Size of the Penalty Imposed?” In E. Brondizio and E. Moran. (Editors). Book: *Human-Environment Interactions: Current and Future Directions*. Springer. ISBN 9789400747791. pp 235-250.

#### ***Peer Reviewed Publications in Spanish***

1. Juan Camilo Cárdenas, Diana Lucia Maya and **Maria Claudia Lopez**. 2003 “Métodos experimentales y participativos para el análisis de la acción colectiva y la cooperación en el uso de recursos naturales por parte de comunidades rurales”. *Cuadernos de Desarrollo Rural*. No. 50. Facultad de Estudios Ambientales y Rurales, IER y Departamento de Desarrollo Rural y Regional. Pontificia Universidad Javeriana, Bogotá, Colombia.

### ***Book Chapters in Spanish (not peer reviewed)***

1. **Maria Claudia Lopez** and Paula Andrea Zuluaga<sup>o</sup>, . 2013. "La importancia del contexto en los experimentos económicos en campo: Un caso en la Amazonia Peruana". edited by Andres Casas y Nathalie Méndez. Book: *Aproximaciones al uso de experimentos en Ciencias Sociales*, Editorial Javeriana, Bogotá. Colombia. pp 302.

### ***Submitted Journal Articles***

1. **Maria Claudia Lopez** and Sergio Villamayor. "Understanding The Black Box Of Communication In A Common Pool Resource Field Experiment". Revise and resubmit to *Environmental Science and Policy*.
2. Ben D'Exelle, Eric Coleman and **Maria Claudia Lopez** "Community-Driven Reconstruction in Colombia: An Experimental Study of Collective Action beyond Program Beneficiaries". Submitted to *World Development*.
3. **Maria Claudia Lopez**, Alistair Munro and Marcela Tarazona-Gomez "Us and Them: Experimental evidence on what creates efficiency in choices made by married couples". Submitted to *Experimental Economics*
4. Aniseh Bro<sup>o</sup>, Daniel C Clay, David L Ortega and **Maria Claudia Lopez** "Determinants of Adoption of Sustainable Production Practices Among Smallholder Coffee Producers in Nicaragua". Submitted to *Journal of Environmental Management*
5. Krister Anderson, Nathan Cook, Tara Grillos, Maria Claudia Lopez, Carl Salk and Glenn Wright. "Payments for Ecosystem Services: Trust Improves Prospects for Success". Submitted to *Nature*.

### ***Articles in Preparation***

**Maria Claudia Lopez**. "Combining Experiments and Participatory Rural Appraisal Tools in the Field: Exploring New Techniques to Study the Management of the Commons in Colombia". To be submitted Sustainability.

Eric Coleman and **Maria Claudia Lopez**. "Reconstructing Cooperation from Civil Conflict: Experimental Evidence from Colombian Development Policy". To be submitted to *Journal of Conflict Resolution*

**Maria Claudia Lopez** and James Walker. "Resource Management Rules: Evidence from Experiments in Rural Communities on the Amazon". To be submitted to *Ecological Economics*.

**Maria Claudia Lopez** and Maria Alejandra Vélez. "Cooperation and Collective Titling: Evidence from a New Property Regime in the Pacific Coast". To be submitted to *World Development*

**Maria Claudia Lopez**, Carl Salk and Krister Andersson. "Effects on Intrinsic Motivations of Payment for Environmental Services"

### **Booklets in English**

**Maria Claudia Lopez**, Sara Torres<sup>Φ</sup>, Zoila Aurora Cruz, Gisella Saldarriaga, María de Lourdes Espinoza, Frangi Valencia, Esther Mwangi and Krister Andersson. 2016 “Community harvesting of trees in Peru under payment for ecosystem service schemes: A handbook illustrating results of economic games with participants in selected communities” CIFOR.

**Maria Claudia Lopez**, Sara Torres<sup>Φ</sup>, Baraka Naftal, Andrew KopaRose Julius, Tumaini Samweli, Rehema Mwabulambo, John Samweli, Graca Kingazi, Esther Mwangi, Krister Andersson. “Community harvesting of trees in Tanzania under payment for ecosystem service schemes: A handbook illustrating results of economic games with participants in selected communities” CIFOR.

**Maria Claudia Lopez**, Sara Torres<sup>Φ</sup>, Esther Mwangi, Krister Andersson. “Community harvesting of trees in Indonesia under payment for ecosystem service schemes: A handbook illustrating results of economic games with participants in selected communities” CIFOR.

### **Booklets in Spanish**

**Maria Claudia Lopez**, Diana Maya, Liliana Mosquera y Maria Alejandra Vélez. 2006. “*Normas y Reglas para la Regulación del Recurso Pesquero. Memorias de Juegos Económicos y Taller en la Ensenada de Tumaco.*” PUJ, UMASS, WWF Colombia

Carmen Candelo, Juan Camilo Cárdenas, Jaime Correa, **Maria Claudia Lopez**, Diana Maya y Ana Maria Roldán. 2003. “*Juegos Económicos y Diagnostico Rural Participativo. Un Manual con Ejemplos de Aplicación para la Cooperación.*”. PUJ, WWF Colombia

Carmen Candelo, Juan Camilo Cárdenas, Marcela Escobar, Diana Maya, **Maria Claudia Lopez** y Ana Maria Roldán. 2002. “*Manglares Comunidad y Cooperación.*”. PUJ, WWF Colombia

### **Conference Papers**

“Effects on Intrinsic Motivations of Payment for Environmental Services” International Association Study of the Commons 15th Biennial Global Conference, Edmonton Canada May 24-29, 2015.

“Effects on Forest and Intrinsic Motivations of Payment for Environmental Services”. Global Change Research Symposium 2014. Ostuni, Italy, September 16-18, 2014

“Effects on Forest and Intrinsic Motivations of Payment for Environmental Services”. Workshop on the Workshop 5 Conference. Indiana University. Bloomington. Indiana. June 18-21, 2014

“Costly Communication and Cooperation in a Changing Water Common Pool”. 2nd Antigua Experimental Economics Conference. Antigua, Guatemala. February 20-22, 2014

“Does Water Scarcity Lead to Overuse? Evidence From Field Experiments”. Workshop for Young Researchers on Environmental Economics. “Experiments and Other Methods in Environmental Economics”. Department Of Public Finance, University of Innsbruck, Austria. June 22-23, 2011

“Creation, Adaptation and Evolution of Rules and Norms for the Management of Natural Resources: Evidence from Experimental Economics in the Field”. Interdisziplinäres Doktorand Innenkolleg (IDK), University of Innsbruck, Austria. June 16, 2011

“Creation, Adaptation and Evolution of Rules and Norms for the Management of Natural Resources: Evidence

from Experimental Economics in the Field”. Innsbruck-Munich Ph.D. Workshop 2011. Department of Public Finance, University of Innsbruck, Austria. May 18, 2011

“Creation, Adaptation and Evolution of Rules and Norms for the Management of Natural Resources: Evidence from Experimental Economics in the Field”. Laceep, Costa Rica. April 4-7, 2011

“Does Water Scarcity Lead to Overuse? Evidence From Field Experiments”. Initiative on Climate Adaptation Research and Understanding through the Social Sciences- ICARUS II. University of Michigan, Ann Arbor. May 5-8, 2011.

“Creation, Adaptation and Evolution of Rules and Norms for the Management of Natural Resources: Evidence from Experimental Economics in the Field”. Laceep, Cuzco, Peru. October, 2011

“An Experimental Study for Environmental Fundraising in Majorca, Spain” Different approaches and methodologies for the study of the commons. Facultad de Estudios Ambientales y Rurales, Pontificia Universidad Javeriana, Bogota, Colombia. July 29-30, 2010.

Presenting and discussing the paper by Marco Janssen "Crafting Institutions of Social-Ecological Systems in the Lab". Context and the Evolution of Mechanisms for Solving Collective Action Problems. Workshop in Political Theory and Policy Analysis and the School of Law – Indiana University, Bloomington and the Gruter Institute for Law & Behavioral Research. Bloomington, Indiana. April 30 - May 3, 2009.

“Communication and cooperation: Combining qualitative approaches and experimental economics to study common pool resources”, Lab and Field Experiments on Social and Commons Dilemmas. Arizona State University, Arizona, January 11-13, 2009.

“State of the Art of Field Experiments in Latin America” Latin American Field Experiments Network (LAFEN). Universidad de los Andes, Bogotá, Colombia. November 20 - 21, 2008

“Combining Experiments and participatory rural appraisal tools in the field: Exploring new techniques to preserve the Commons in Colombia”, Governing shared resources: connecting local experience to global challenges. Cheltenham, England, July 14-18 2008.

“Comparing the effectiveness of external regulation and social emotions to enhance cooperation: Experimental evidence from the field” International Meeting of the Economic Science Association. Atlanta, June 8 – 11, 2006.

“Comparing the effectiveness of external regulation and social emotions to enhance cooperation: Experimental evidence from the field”. Congress of the International Association for Research in Economic Psychology and the Society for the Advancement of Behavioral Economics. Paris, France, July 5 to 8, 2006.

“Experimental Economics and Participative Methodologies: Theoretical and Methodologies bridges to analyze collective action in Common-Use Resources”. Q-Squared in Practice: Experiences of Combining Qualitative and Quantitative Methods in Poverty Appraisal. Toronto, Canada, May 15-16 2004.

### **Invited Presentations**

“Effects on Intrinsic Motivations of Payment for Environmental Services”. Sustaining the Commons: Interplay between Theory and Practice. Center for Behavior, Institutions and the Environment. Arizona State University. March 19, 2015.

“Decentralization” Lecturer. International Development Class. Michigan State U. October 8, 2014.

“Cooperation and Collective Titling: Evidence from a New Property Regime in the Pacific Coast of Colombia”. Seminar Series. Latin American and Caribbean Studies. Michigan State University. April 9, 2014

“Cooperation and Collective Titling: Evidence from a New Property Regime in the Pacific Coast”. Humboldt University, Berlin, Germany. February 18, 2013.

“Creation, Adaptation and Evolution of Rules and Norms for the Management of Natural Resources: Evidence from Experimental Economics in the Field”. Humboldt University, Berlin, Germany. July 5, 2011.

“Cooperation and Collective Titling: Evidence from a New Property Regime in the Pacific Coast”. Workshop in Political Theory and Policy Analysis. Indiana University, IN. April 29, 2011.

### **Member of Editorial Boards**

International Journal of the Commons

Cuadernos de Desarrollo Rural (International Journal of Rural Development)

### **Journal Peer Reviewer**

Ecology and Society (2), International Journal of the Commons (2), Ecological Economics (4) and Water Resources and Economics (2).

### **Reviewer or Judge in students’ academic activities.**

Conservation Strategy Fund, Reviewer for final reports of their grantees (January 2014 - )

Students abstracts reviewer. Graduate Student Organization Symposium. 2014-2015

Poster Judge. Fate of the Earth Conference organized by ESPP April 2015

### **Graduate Student Advising**

#### ***Completed PhD students supervised***

Co-Chair Luz Elba Torres, PhD dissertation. 2015. Collective Action For The Management Of The Fishery In The Ciénaga Grande De Santa Marta, Northern Colombia. Jacobs University, Germany.

#### ***Completed master’s theses supervised as committee member CSUS***

Tum Nhim. Department of Community Sustainability. Michigan State University

#### ***Completed master’s theses supervised as chair***

Maneth La. 2015. An Evaluation of the Land Use Planning Process in Cambodia within the Current Climate Change Context. *Master thesis in the Department of Community Sustainability*. Michigan State University

Liliana Paola Pinilla. 2014. Estrategias que logren cambio de comportamientos de las personas que integran una empresa, frente a la clasificación de residuos sólidos. *Master thesis in Environmental Management*. Pontificia Universidad Javeriana.

Angela Rojas. 2014. Revisión documental para la contribución a los mecanismos de los pagos por servicios ambientales hídricos en Colombia, para la conservación de la calidad y la cantidad del agua de consumo.

*Master thesis in Environmental Management*. Pontificia Universidad Javeriana.

Luis Mario Cárdenas. 2013 Análisis institucional para el aprovechamiento forestal en robledales. Estudio de caso de las instituciones informales en la vereda el palmar, municipio de Charalá, Santander, Colombia. *Master thesis in Rural Development*. Pontificia Universidad Javeriana.

Gloria Carolina Rojas and Fanny Marcela Romero. 2013. Fútbol Verde: Metodología para incentivar la participación en los niños, niñas y adolescentes como estrategia para disminuir el deterioro ambiental. Estudio de caso en el sector Bolonia, Upz Gran Yomasa, Localidad De Usme, Bogotá. *Master thesis in Environmental Management*. Pontificia Universidad Javeriana.

#### ***Completed bachelor's theses***

Paula Andrea Zuluaga. 2011 "From a Static Game to a Dynamic Game: Case Study of a Group of Fishermen Behavior in Caballo Cocha, Perú" *Ecology*. Pontificia Universidad Javeriana

Alisson Soche. 2012. "Agua: reglas y comportamiento frente a la percepción de sequía en la cuenca del río Coello, Tolima", *Ecology*. Pontificia Universidad Javeriana

Juan Sebastian Londoño. 2012. "Valoración participativa de los bienes y servicios ecosistémicos presentes en el relicto de bosque subxerofítico de la UPZ El Mochuelo Bajo, localidad de Ciudad Bolívar (Bogotá)". *Ecology*. Pontificia Universidad Javeriana

Juan Camilo Ramirez. 2012. "Caracterización del gobierno del ecoturismo por parte de las comunidades locales enfrentadas a problemáticas asociadas a recursos de uso común en la sierra nevada de Güicán, Cocuy y Chita (Boyacá, Colombia) *Ecology*. Pontificia Universidad Javeriana

Daniella Ramirez. 2012 "Comportamiento ambientalmente amigable desde una aproximación en términos de movilidad de la comunidad Javeriana, estudio piloto en dos facultades". *Ecology*. Pontificia Universidad Javeriana

#### ***Current master's students supervised, CSUS.***

Sara Torres. Master Student. Department of Community Sustainability. Michigan State University  
Aldo Gonzalez. Master Student. Department of Community Sustainability. Michigan State University  
Laura Castro. Master Student. Department of Community Sustainability. Michigan State University  
Ashley Stoltenberg. Master Student. Department of Community Sustainability. Michigan State University

#### ***PhD Dissertation Committee Member***

Chewe Nkonde. Department of Community Sustainability. Michigan State University  
Mathew Lautenberg. Department of Community Sustainability. Michigan State University  
Aniseh Sjona Bro. Department of Community Sustainability. Michigan State University  
Crystal Miller. Department of Community Sustainability. Michigan State University  
Udita Sanga. Department of Community Sustainability. Michigan State University  
Timothy Silberg. Department of Community Sustainability. Michigan State University  
Patricia McKay. Department of Community Sustainability. Michigan State University  
Bineeta Gurung. Department of Community Sustainability. Michigan State University  
Shylene Mata. Department of Fisheries and Wildlife. Michigan State University  
Piyayut Chitchumnong. Department of Agriculture, Food and Resource Economics. Michigan State University  
Ricardo Sanabria. School of Environmental and Rural Studies. Pontificia Universidad Javeriana.

#### ***Master's thesis Committee Member***

Jean Francois Nisengwe. Department of Community Sustainability. Michigan State University

Ariane Leclerq. Department of Community Sustainability. Michigan State University  
Ruth Ann Church. Department of Community Sustainability. Michigan State University  
Kyle Metta, Department of Community Sustainability. Michigan State University

## **Honors and Awards**

Post-doctoral Fellow.

Workshop in Political Theory and Policy Analysis. Indiana University, Bloomington, IN.

Mentor: Elinor Ostrom. 2007-2009

Fulbright/Laspau

Scholarship to pursue doctoral studies. Host institution: University of Massachusetts, Amherst. 2002-2006

Pontificia Universidad Javeriana

Scholarship to pursue doctoral studies awarded in combination with the Fulbright/Laspau scholarship. 2002-2007

Pontificia Universidad Javeriana

First place award for creating/improving a course in applied game theory and experimental economics.

Co-awarded with Juan Camilo Cárdenas and Flavio Jacome. 2002

## **Teaching Experience**

Fall 2016. *CSUS 802: Survey of Research Methods*. Department of Community Sustainability. Michigan State University.

Spring 2016. *CSUS 848: Community Based Natural Resource Management in International Development*. Department of Community Sustainability. Michigan State University.

Fall 2015. *CSUS 802: Survey of Research Methods*. Department of Community Sustainability. Michigan State University.

Summer 2015. *CSUS 89:Independent Study*. Department of Community Sustainability. Michigan State University.

Spring 2015. *CSUS 848: Community Based Natural Resource Management in International Development*. Department of Community Sustainability. Michigan State University.

Fall 2014. *CSUS 802: Survey of Research Methods*. Department of Community Sustainability. Michigan State University.

Spring 2014. *CSUS 848: Community Based Natural Resource Management in International Development*. Department of Community Sustainability. Michigan State University.

Fall 2013. *CSUS 802: Survey of Research Methods*. Department of Community Sustainability. Michigan State University.

2011 and 2012. *Environmental and Natural Resource Economics*. Master in Environmental Management and Master in Conservation of Biodiversity. Pontificia Universidad Javeriana, Bogota, Colombia.

Fall 2010. *Economics and Institutions for the Management of Natural Resources*. Master's in Environmental

Management. Pontificia Universidad Javeriana Bogota, Colombia.

Spring 2010. *Experimental Economics*. Master's in economics. Pontificia Universidad Javeriana Bogota, Colombia.

Spring 2010. *Development Theories Seminar*. PhD in Environmental and Rural Studies. Pontificia Universidad Javeriana, Bogota, Colombia.

2009-2011. *Ecological Economics*. Ecology Undergraduate. Pontificia Universidad Javeriana Bogota, Colombia.

2009. *Environmental Services: Economics and Institutional tools for its management*. Universidad de La Punta. Argentina. Intensive course. March 2<sup>nd</sup>- 6<sup>th</sup>

Spring 2004. Teaching assistant. *Environmental Economics*. University of Massachusetts, Amherst, MA.

Fall 2004. Teaching assistant. *Price Theory and Natural Resource Economics*. University of Massachusetts, Amherst, MA.

1996-1997. Teaching assistant. *Introduction to the Colombian Economy*. Pontificia Universidad Javeriana Bogota, Colombia.

### **Training Programs Taught in Experimental Economics**

Santa Dharma University, Yogyakarta, Indonesia. July 17- 26 2014.

Universidad Nacional Agraria La Molina. La Molina, Peru. May 20- 29, 2014

Sokoine University of Agriculture in Morogoro. Morogoro, Tanzania. January 12- 18, 2014

Makerere University, Kampala, Uganda. July 8-27, 2013.

Centro de Estudios de la Realidad Económica y Social: Ceres. Cochabamba, Bolivia. April 1-9, 2013

### **Special Trainings**

"NSF Grant Writing Workshop," Michigan State University, East Lansing. (November 7, 2014 - January 6, 2015).