

## EDUCATION

Ph.D. in Natural Resources and Environment, University of Michigan, 2011.

Dissertation: *"Land Use Change and Adaptation to Climate Variability and Change in the Mayan Forest and the Americas' Internationally Adjoining Protected Areas"*.

Dissertation committee: Arun Agrawal, Maria Carmen Lemos, Edward Parson, Ronald Inglehart, Ashwini Chhatre.

Master of Public Policy, The University of Chicago, 2001.

B.A. Economics, Instituto Tecnológico Autónomo de México (ITAM), 1996.

## RESEARCH POSITIONS

Department of Forest Resources, University of Minnesota, *Adjunct assistant professor*, 2017-National Science Foundation Science Engineering and Education for Sustainability (SEES) *Fellow*, 2013 - 2017.

Environmental Studies Program, Dartmouth College, *Research Associate*, 2013 - 2017.

Department of Ecosystem Science and Management, Texas A&M University, *Visiting Scientist*, 2013-2016.

Anthropological Center for Training and Research on Global Environmental Change, Indiana University, *Visiting Scholar*, 2012-2013.

Environmental Studies Program, Dartmouth College, *Visiting Scholar*, 2012 - 2013.

Center for US-Mexican Studies, University of California, San Diego, *Fellow*, 2011 - 2012.

Ostrom Workshop in Political Theory and Policy Analysis, Indiana University Bloomington, *Visiting Scholar*, 2010 - 2011.

## PUBLICATIONS

**Rodríguez Solorzano, C.** and F. Fleischman (2018). "Institutional legacies explain the comparative efficacy of protected areas: Evidence from the Calakmul and Maya Biosphere Reserves of Mexico and Guatemala." *Global Environmental Change* 50: 278-288.

**Rodríguez Solorzano, C.** (2016) "Connecting climate social adaptation and land use change in internationally adjoining protected areas." *Conservation and Society*(2): 125.

**Rodríguez-Solórzano, C.** (2014). "Unintended outcomes of farmers adaptation to climate variability: deforestation and conservation in Calakmul and Maya biosphere reserves." *Ecology and Society* 19(2).

Nelson, F., E. Collins, A. Frechette, C. Koenig, M. Jones-Yellin, B. Morgan, G. Ramsay, G. Rao, **C. Rodríguez**, Z. Tulu, C. Watkins, J. Zinda (2008). "Preservation or degradation? Communal Management and Ecological Change in a Southeast Michigan Forest." *Biodiversity and Conservation* 17(11): 2757-2772.

**Rodríguez Solórzano, C.**, (2003) Mexican Environmental Decentralization, in: Claudia, Rodríguez-Solórzano (Ed.), *Decentralization in Mexico: Reflections and Experiences to Guide Environmental Policy*. National Institute of Ecology, Mexico City, Mexico.

**Rodríguez Solórzano, C.**, (Ed.), (2003) *Decentralization in Mexico: Reflections and Experiences to Guide Environmental Policy*, National Institute of Ecology, Mexico City, Mexico.

## **FELLOWSHIPS AND SCHOLARSHIPS**

2013 National Science Foundation, Science Engineering and Education for Sustainability fellowship, 2013-2017.

2010 Ostrom Workshop in Political Theory and Policy Analysis, Indiana University Bloomington, visiting scholar fellowship, 2010- 2011.

2004 Mexico's National Council for Science and Technology (CONACyT), Graduate Studies Abroad fellowship, 2004-2010.

2008 Rackham Graduate School, University of Michigan, Rackham Predoctoral Fellowship, 2008-2009.

1999 Inter-American Development Bank (IDB), Japan-IDB Scholarship, 1999-2001.

1999 Harris School of Public Policy, University of Chicago, Tuition Scholarship, 1999-2001.

1999 Institute of International Education (IIE), MacArthur/Ford Scholarship, 1999-2000.

1999 American States Organization (ASO). Graduate Scholarship. Declined.

## **GRANTS**

2017 Co-PI, "Impacts of artificial afforestation on the provision of ecosystem services to rural communities in India." NASA Land Cover and Land Use Change Program, 2017- 2020.

2009 School of Natural Resources and Environment, University of Michigan, Dissertation Research Grant, Winter.

2007 National Science Foundation (NSF), Doctoral Dissertation Research Improvement Grant, Political Science, 2007-2008.

2006 School of Natural Resources and Environment, University of Michigan, Doctoral Research Grant, Winter.

2006 Rackham Graduate School, University of Michigan, Rackham Graduate Student Research Grant, Winter.

## **FIELD RESEARCH EXPERIENCE**

Mexico: Calakmul Biosphere Reserve, Campeche. August 2007- March 2008, July 2014-March 2015; Selva Zoque February and June 2014.

Guatemala: Mayan Biosphere Reserve, Petén. January-July 2009, September-October 2016.

Americas' internationally adjoining protected areas. Surveys of 56 protected areas from seventeen countries. March-December 2008.

## **APPLIED RESEARCH AND PROFESSIONAL EXPERIENCE**

National Institute of Ecology (INE), Mexico, 2001-2004. Led the socioeconomic, policy and political research group in the Land Use and Ecosystems Conservation Department.

Federal Energy Ministry, Mexico, 1998-1999. Participated in a research project funded by the World Bank to estimate Mexico's CO<sub>2</sub> emissions and conducted research on market instruments for climate change mitigation.

Mexico's City Finance Ministry, Mexico, 1997-1998. Advised the Minister's budget decisions on urban environmental projects and programs.

Environmental Ministry, Mexico, 1996-1997. Conducted research on Mexico City's institutional framework to support water management plans.

## **SELECTED PRESENTATIONS**

“Institutional legacies explain the comparative efficacy of protected areas”, paper presented at the 3<sup>rd</sup> annual FLARE meeting, Stockholm, Sweden, October 2017.

"Understanding farmers' valuation of ecosystem services in Calakmul Biosphere Reserve, Mexico," paper presented at the 3rd Open Science Meeting of the Global Land Project, Beijing, China, October 2016.

“Payments for ecosystem services to support farmers' adaptation to climate variability in Mexico”, paper presented at the 1<sup>st</sup> annual FLARE meeting, Paris, France, November, 2015.

“Can payments for ecosystem services reduce farmers' climate vulnerability?” paper presented at the ICARUS conference, Urbana-Champaign, Illinois, May 2015.

“Adaptation implications for the conservation of the Selva Maya” paper to be presented at the IUCN World Parks Congress, Sydney, Australia, November, 2014.

“Beyond Payments: Voluntary Forest Conservation by Small Farmers in Mexico” paper presented at Resilience 2014, Montpellier, France, May, 2014.

“Farmers climate adaptation and deforestation in the Mexico-Guatemala Selva Maya”, paper presented at Global Land Project Open Science Meeting, Berlin, Germany, March, 2014.

“When the Policy Instrument Fails: Land Use Change in Latin American Protected Areas”, paper presented at the 26<sup>th</sup> Congress for Conservation Biology, Baltimore, MD, July 2013.

“Comparing Conservation Outcomes in Calakmul and Maya Biosphere Reserves”, paper presented at the IASC 2013, Mount Fuji, Japan, June 2013.

“Deforestation, Institutions and Governance in the Mexico-Guatemala Maya Forest”, paper presented at the AAG Annual Meeting, LA, CA, April 2013.

“Unintended Outcomes of Adaptation to Climate Variability: Land Use Change in the Mayan Forest”, paper presented at the Center for Marine Biodiversity and Conservation, SCRIPPS Institution of Oceanography at UC San Diego, San Diego, CA, June 2012.

“Sustainability Implications of Adaptation to Climate Variability and Change: Land Use Change in the Mayan Forest” paper presented at Adaptation Futures, Tucson, AZ, May 2012.

“Land Use and Adaptation to Climate Variability and Change in the Mayan Forest” paper presented at the ICARUS Conference, Ann Arbor, Michigan, May 2011.

“Land Use Change and Adaptation to Climate Variability in the Americas' Transboundary Protected Areas”, paper presented at the 13th Biennial Conference of the International Association for the Study of the Commons (IASC), Hyderabad, India, January 2011.

“Adaptation to Climate Change and Sustainability in Transboundary Protected Areas” paper presented at the 3rd Mesoamerican Protected Areas Congress, Mérida, Mexico, March 2010.

## **SERVICE**

Panelist and reviewer: NSF SEES fellow program and Geography and Spatial Sciences (GSS) Program.

Reviewer: Development Studies, Conservation Biology, Conservation and Society, Ecological Economics, Society and Natural Resources, International Journal of the Commons, and Inter-American Institute for Global Change Research, International Congress for Conservation Biology, Earth Governance Conference.

Judge: the Big Ideas @ Berkeley Contest, which includes students from Texas A&M, Duke University, College of William and Mary, Massachusetts Institute of Technology, Michigan State University, and Makerere University (Uganda).