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Education

Ph.D. in Agricultural, Environmental and Development Economics, The Ohio State University, Columbus, OH. December 2004.

Master of Arts in Economics, The Ohio State University, Columbus, OH. December 2002.

Master of Science in Environmental and Resource Economics, Universidad de los Andes / University of Maryland, Bogotá, Colombia. September 1997.

Bachelor in Animal Science, Universidad Nacional de Colombia, Bogotá, Colombia. July 1994.

Professional Experience

UNIVERSIDAD DE LOS ANDES. Bogotá, Colombia.

Associate Professor. Since January 2009.

Assistant Professor. September 2004 to December 2008.

Instructor Professor. August 1998 to August 2004.

Taught different courses for the Master's program in Applied Economics:

Environmental and Resource Economics I and II, Economic valuation of non-market goods and services.

Taught different courses for the Master's program in Economics: *Natural Resource Economics, Microeconomics, and Topics in Environmental and Natural Resource Economics, Thesis.*

Taught different courses for the undergraduate program in Economics: *Introduction to Environmental and Resource Economics, Intermediate Microeconomics.*

Academic adviser for students in the PhD program in Economics, the Master's programs in Economics and for the undergraduate students.

Researcher for the Center of Studies for Economic Development (CEDE) at the Department of Economics.

Editor for the journal *Desarrollo y Sociedad*, since October 2014.

LACEEP, Latin American and Caribbean Environmental Economics Program.
Deputy Director. October 2014 to September 2017.
Program Director. August 2012 to September 2014.
Deputy Director. May 2010-July 2012.

CONSERVATION STRATEGY FUND. **Tutor.** Since January 2014. Tutoring grantees from ICAA (Initiative for the Conservation of Andean Amazon) on projects related with the use of economic instruments for the conservation in the Amazonian Andes.

THE OHIO STATE UNIVERSITY. Columbus, OH. Department of Agricultural, Environmental and Development Economics. **Graduate Research Associate.** September 2001 to August 2004.

The Value of Parkland in Montgomery County, Ohio. Report prepared for Five Rivers MetroParks and the Miami Valley Regional Planning Commission.
Analysis of relationships among poverty, environment and access to credit: evidence from rural households in El Salvador.

Evaluation of the impact of access to microfinance on human capital formation in rural households in Bolivia.

Characterization of microfinance clients in Bolivia. Project funded by Project CEFIR-USAID and Ohio State University.

BIOTRADE COLOMBIA. Bogotá, Colombia. **Consultant.** January to December 2000.

Definition of criteria and guidelines for trade of green products and creation of a national and international portfolio of promising green products in Colombia. Project funded by BIOTRADE.

UNIVERSIDAD DE LOS ANDES. Bogotá, Colombia.

Project Director “*Analysis of competitiveness of poultry sector in Colombia, central Region*”. Project funded by FENAVI. February to September 2000.

Main researcher “*Selection of economic instruments for managing solid waste in Colombia*”. Project funded by FONADE. October 1998 to July 1999.

ECONAT, INSTITUTO DE INVESTIGACIONES BIOLÓGICAS “ALEXANDER VON HUMBOLDT” –. Bogotá, Colombia. **Researcher.** June to September 1998.

Characterization and determination of Colombian eco-tourism potential for Western Europe consumers, with emphasis in the biodiversity component.

ORGANIZACIÓN Y GESTION DE PROYECTOS – DEPROYECTOS LTDA.
Bogotá, Colombia. **Researcher.** March to July 1998.

Characterization of the demand for the Information System in Agricultural Technology. Project for the Ministry of Agriculture – PRONATTA. April to July 1998.

Evaluation of the environmental component on the energy sector planning in Colombia. Project for the Ministry of Mines and Energy. March to June 1998.

PONTIFICIA UNIVERSIDAD JAVERIANA. Bogotá, Colombia. **Research Assistant.** October to December 1997.
Methodology for the implementation of decentralization programs aimed to promote local resource management in Colombia.

MINISTRY OF ENVIRONMENT. Bogotá, Colombia. **Consultant.** January to September 1997.
Definition of environmental policy guidelines for the Colombian agricultural sector.

Involvement in Research Projects

On-going projects

ENVIRONMENT FOR DEVELOPMENT INITIATIVE – REES – UNIANDES. Bogotá, Colombia. **Project Director.** June 2018 – June 2019.
Identifying Livelihoods, Food Security and Sustainability of Fisheries Managed by Local Communities on Marine Protected Areas in the Colombian Caribbean.
Project funded by Efd Initiative and carried out by REES-CEDE-UNIANDES.

FAO – UNIANDES. Bogotá, Colombia. **Project director.** December 2017 – December 2018.
Analysis of synergies and complementarities between social inclusion and productive programs in Colombia. Project funded by FAO and carried out by CEDE-UNIANDES.

INTERNATIONAL FUND FOR AGRICULTURAL DEVELOPMENT – IFAD, UNIANDES. Bogotá, Colombia. **Project director.** July 2016 to July 2019.
Improving the articulation between social protection and rural development interventions in developing countries: lessons from Latin America and Africa.
Project funded by IFAD and carried out by CEDE-UNIANDES.

FORD FOUNDATION, IDRC, FUNDACION CAPITAL, UNIANDES. Bogotá, Colombia. **Project director.** July 2015 to July 2019.
Regional platform for the evaluation of Graduation Programs in Latin America.
Project funded by Ford Foundation, IDRC and Fundación Capital and managed by CEDE-UNIANDES.

Finished projects

INTERNATIONAL FUND FOR AGRICULTURAL DEVELOPMENT – IFAD, UNIANDES. Bogotá, Colombia. **Project director.** May 2012 to May 2016.
Conditional Cash Transfers and Rural Development. Project funded by IFAD and coordinated by CEDE-UNIANDES.

MARINE AND COASTAL RESEARCH INSTITUTE “José Benito Vives de Andreis”
– INVEMAR, UNIANDES. Colombia. **Researcher**. February 2015 – December 2016.

Economic analysis of production-household models for fishermen in Baru - Cartagena. Project conducted jointly by INVEMAR and UNIANDES.

MARINE AND COASTAL RESEARCH INSTITUTE “José Benito Vives de Andreis”
– INVEMAR, UNIANDES. Colombia. **Project Director**. October 2015 to March 2016.

Evaluation of attitudes and behavior of Colombian households towards marine protected areas. Project funded by INVEMAR and carried out by CEDE.UNIANDES.

MARINE AND COASTAL RESEARCH INSTITUTE “José Benito Vives de Andreis”
– INVEMAR. Colombia. **Advisor**. June 2014 to February 2015.

Economic importance of marine protected areas for the gross domestic product of the country. Project funded by INVEMAR.

PATRIMONIO NATURAL FONDO PARA LA BIODIVERSIDAD Y AREAS
PROTEGIDAS. Bogotá, Colombia. **Consultant**. May to September 2012.

Economic valuation of Deep corals and the National Natural Park Corales de Profundidad. Project funded by GEF-SAMP-INVEMAR.

COLCIENCIAS – UNIANDES. Bogotá, Colombia. **Project director**. May 2012 to July 2014.

Apropiación social del conocimiento en zonas marino costeras en la zona de influencia del parque nacional natural Corales del Rosario y San Bernardo. Project funded by Colciencias and World Bank and executed by CEDE-UNIANDES.

CIAT. Bogotá y Cali, Colombia. **Consultant**. August 1 to December 15, 2013.

Selection and prioritization of climate smart agriculture (CSA) practices for investment.

INTERNATIONAL DEVELOPMENT RESEARCH CENTER – IDRC, LACEEP,
UNIANDES. Bogotá, Colombia. **Project director**. March to December 2012.

Glacier Melting and Retreat: Understanding the Perception of Agricultural Producers Facing Climate-Change Challenges. Project funded by IDRC and supported by LACEEP.

AMERICAS BUSINESS COUNCIL FOUNDATION (ABC), NATIONAL
GEOGRAPHIC, UNIANDES. Bogotá, Colombia. **Project Director**. November 2011 to November 2012.

Economic valuation of the subsystem of marine protected areas in Colombia. Project funded by ABC and supported by National Geographic.

MARINE AND COASTAL RESEARCH INSTITUTE “José Benito Vives de Andreis” – INVEMAR. Colombia. **Project Director**. April to June, 2012.

Analysis of perceptions and attitudes of Colombian households toward marine protected areas. Project managed by INVEMAR and funded by GEF-SAMP project.

CIPAV (CENTRO PARA LA INVESTIGACION EN SISTEMAS SOSTENIBLES DE PRODUCCION AGROPECUARIA), UNIANDES. Medellín, Colombia.

Advisor. September to December 2011.

Feasibility of a Payment for Environmental Services scheme for Medellin city, and design of other incentives for the project MAS BOSQUES PARA MEDELLÍN (More forest for Medellin). Project funded by the municipality of Medellin and executed by CIPAV.

INTERAMERICAN DEVELOPMENT BANK. Bogotá, Colombia, and Guayaquil, Ecuador. **Project Director**. July to October 2011.

Socioeconomic evaluation of the feasibility of Urban Park Los Samanes. Project funded by IADB.

INTERNATIONAL DEVELOPMENT RESEARCH CENTER – IDRC. Bogotá, Colombia and Cusco, Perú. **Project director**. April 1 to May 25, 2011.

Conditional Cash Transfer programs and financial inclusion: opportunities and challenges in Latin America. Project funded by IDRC and supported by Proyecto Capital and Instituto de Estudios Peruanos, IEP.

GLOBAL DEVELOPMENT NETWORK – GDN. Bogotá, Colombia. **Project Director**. April 2009 to April 2011.

Governance and Adaptability of Fishing Communities in a Marine Protected Area in the Colombian Caribbean. Project funded with the GDN award to the most innovative project 2009.

CONSERVATION INTERNATIONAL – CI. Bogotá, Colombia. **Researcher**. September 2010 to March 2011.

Socioeconomic monitoring in the Eastern Tropical Pacific Seascape (ETPS) Project – Chapter influence area of National Natural Park Gorgona. Project led by Rocío Moreno and funded by Walton Family Foundation (WFF).

UNITED NATIONS DEVELOPMENT PROGRAMME – PNUD. Bogotá, Colombia. **Project director**. August to September 2010.

Biodiversity and Ecosystems: Why these are important for Sustained Growth and Equity in Latin America and the Caribbean – Colombian case. Project funded by PNUD regional office for Latin America and the Caribbean.

MARINE AND COASTAL RESEARCH INSTITUTE “José Benito Vives de Andreis” – INVEMAR. Colombia. **Project Director**. October 2009 to March 2010.

Design and implementation of a sub-system of marine protected areas in Colombia – Socioeconomic component. Project managed by INVEMAR and funded by PNUD.

UNIVERSIDAD DE LOS ANDES – NOAA. Bogotá, Colombia. **Main researcher.**
January 2008 to March 2010.

Assessment of management effectiveness for the Marine Protected Areas in the Colombian coasts: connectivity and resilience along protected coral Reefs.
Project funded by NOAA.

INTER AMERICAN DEVELOPMENT BANK, NATIONAL DEPARTMENT OF PLANNING (DNP), ACCION SOCIAL, AND UNIVERSIDAD DE LOS ANDES. Bogotá, Colombia. **Project Director.** October 2009 to February 2010.
Evaluation of banking plan through program Familias en Acción. Project funded by IADB.

INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE, IFPRI. Bogotá, Colombia. **Project Director.** November 2009 to January 2010.
Gender dimensions of Genetically Modified cotton adoption in Colombia. Project funded by IFPRI and CONALGODON.

INTERAMERICAN DEVELOPMENT BANK. Bogotá, Colombia, and Guayaquil, Ecuador. **Project Director.** May to November 2009.
Support to the preparation of the program Conservation of Coastal and Marine Biodiversity (EC-X1003). Project funded by IADB, with sponsoring from Sub secretary of Fishing and Ministry of Environment in Ecuador.

UNIVERSIDAD DE LOS ANDES – CEDE – MINISTRY OF AGRICULTURE (MADR-IICA)- UNIT OF NATIONAL NATURAL PARKS (UAESPNN). Bogotá, Colombia. **Project director.** December 2007 to June 2009.
Artisanal fishing: Economic valuation of protected areas and associated aquatic resources in Colombian Caribbean. Project funded by MADR-IICA.

MARINE AND COASTAL RESEARCH INSTITUTE “José Benito Vives de Andreis” – INVEMAR. Colombia. **Researcher.** November 2008 to April 2009.
Definition of a network of marine protected areas in the Colombian Caribbean.
Project directed by Rocío del Pilar Moreno and funded by INVEMAR.

INTERAMERICAN DEVELOPMENT BANK. Bogotá, Colombia and Guayaquil, Ecuador. **Project director.** May to September 2008.
Economic viability of projects and Methodology for subsidy estimation. Project funded by IADB.

UNIVERSIDAD DE LOS ANDES – COLCIENCIAS. Bogotá, Colombia. **Main researcher.** January 2006 to June 2008.
Sustainable use of reef resources and economic valuation in the National Natural Park “Corales del Rosario y San Bernardo” (PNN-CRSB). Project funded by COLCIENCIAS.

UNIVERSIDAD DE LOS ANDES – NOAA. Bogotá, Colombia. **Main researcher.**
January 2006 to March 2008.

Assessment of management effectiveness for the Marine Protected Areas at the 'Rosario and San Bernardo Corals National Park' (Cartagena): towards an adaptive management of Colombia's first coral reef protected area. NOAA. Project funded by NOAA-Coral Grants- Project No. NA05NO54631013.

UNIVERSIDAD DE LOS ANDES – CEDE – MINISTRY OF AGRICULTURE (MADR). Bogotá, Colombia. **Researcher.** January to December 2007.
The impact of a Free Trade Agreement between Colombia and the United States on agricultural sector. Project funded by MADR.

UNIVERSIDAD DE LOS ANDES – CEDE – FAO - IADB. Bogotá, Colombia.
Project Director. March 2006 to May 2007.
Impact of the Free Trade Agreement between Colombia and the US on agricultural sector with emphasis on peasant agricultural producers in Colombia and analysis of policies for support and compensation. Project funded by FAO – IADB.

Other teaching activities

RIMISP. Centro Latinoamericano para el Desarrollo Rural. **Invited lecturer** for the *Diplomado de Inclusión Social con Enfoque Territorial.*
Modelos de coordinación y articulación territorial: Teoría y evidencias de articulaciones entre protección social y programas de desarrollo rural. July 25, 2017.

UNIVERSIDAD JORGE TADEO LOZANO. **Invited lecturer** for the Ph.D. program in Environmental Sciences.
Environmental good and services: Tools from the economics. Bogotá, March 9, 2017.

CONSERVATION STRATEGY FUND. **Invited lecturer:**
Incentivos Económicos para la Conservación. Módulo de introducción a la economía. Santa Cruz, Bolivia, Julio de 2016.

Herramientas Económicas para la Conservación de la Naturaleza en México y Centroamérica. Valoración económica y conservación de los ecosistemas marino – costeros. Módulos de economía de recursos naturales y de valoración económica. La Paz, México, Junio de 2016.

Curso de Herramientas Económicas para la Conservación en la Amazonia Andina. Módulos en Valoración económica y en economía de recursos naturales. Iquitos, Marzo de 2015.

Herramientas económicas para la conservación en la Amazonía Andina con énfasis en valoración económica de impactos ambientales. Módulo en valoración. Rionegro, Antioquia, Colombia, Agosto de 2014.

Economic tools for nature conservation in México and Central America. Natural resource economics and environmental economic valuation modules. UNAM, México D.F. June 9-20, 2014.

Economic tools for conservation in Andean Amazon, with emphasis on payment for environmental services (PES). Natural resource economics and environmental economic valuation modules. Villa de Leyva, Colombia. May, 2013

Economic tools for conservation in tropical Andes. Natural resource economics and environmental economic valuation modules (on June 9 and 10). Tarapoto, Perú. June 6 to 16, 2011.

Economic tools for conservation in tropical Andes. Natural Resource Economics Module (on April 12). Medellín, Colombia. April 4-14, 2011

Economic tools for conservation and comprehensive analysis of projects. Course of Formation for Analysts and researchers. *Economic valuation*. Lima, Peru. September 7-9, 2009.

CIPAV – ENVIRONMENTAL LEADERSHIP AND TRAINING INITIATIVE, ELTI.
Invited Lecturer.

Principios básicos para el diseño y aplicación de instrumentos económicos y esquemas para la compensación por servicios ecosistémicos en Colombia. Cali, Colombia, March 3-10, 2013.

UNIVERSIDAD DE LOS ANDES – UNIT OF NATIONAL NATURAL PARKS (UAESPNN)– WWF – PATRIMONIO NATURAL. National Natural Park Chingaza, Colombia. **Invited lecturer.** June 9, 2009.

Program on Development of Management Skills and Conservation of Protected Areas. *Module on environmental economics*. Short course organized by the Unit of Executive Education, Management Development, at Department of Business Administration in Universidad de los Andes, funded by GEF and PNUD Colombia.

LACEEP, Latin American and Caribbean Environmental Economics Program. Medellín, Colombia. **Invited lecturer.** September 29 to October 1, 2008.

Taught a course in the LACEEP's Sixth Biannual Workshop: *Natural Resource Economics: Applications of computational economics to solve dynamic problems*.

UNIVERSIDAD DE LOS ANDES. Bogotá, Colombia. **Invited Lecturer.** Summer 2002, summer 2003, and summer 2004.

Taught summer courses for the Master's program in Environmental and Resource Economics in *Dynamic Modeling for Natural Resource Economics*.

UNIVERSIDAD DISTRITAL FRANCISCO JOSÉ DE CALDAS. Bogotá, Colombia. **Lecturer.** January 1998 to December 1999.

Taught the course *Environmental and Natural Resources Economics* for the Natural Resources' Management program.

PONTIFICIA UNIVERSIDAD JAVERIANA. Bogotá, Colombia. **Lecturer.** January 1997 to December 1999.

Taught a course in *Systems Theory* for the Master's program in Environmental Policy.

Publications

Journal articles

- Maldonado, J.H., Moreno-Sánchez, R.P., Espinoza, S., Bruner, A., Garzón, N., Myers, J. (2018) "Peace is much more than doves: The economic benefits of bird-based tourism as a result of the peace treaty in Colombia." *World Development*. 106 (2018): 78-86. <https://doi.org/10.1016/j.worlddev.2018.01.015>
- Cuervo-Sanchez, R., Maldonado, J.H., Rueda, M. 2018. "Spillover from marine protected areas on the pacific coast in Colombia: A bioeconomic modelling approach for shrimp fisheries". *Marine Policy*. 88 (February 2018): 182-188. <https://doi.org/10.1016/j.marpol.2017.10.036>
- Rodríguez-Sánchez, C.A., Moreno-Sánchez, R.P., Maldonado, J.H. 2016. "Incidencia de dos medidas diferentes de pobreza en la estimación de la capacidad adaptativa de comunidades locales ubicadas en áreas marinas protegidas: el caso de la comunidad de Barú, Bolívar". *Boletín de Investigaciones Marinas y Costeras*. 45(2): 197-236. DOI: 10.25268/bimc.invemar.2016.45.2.683
- Maldonado, J.H., Cuervo, R. 2016. "Valoración económica del Parque Nacional Natural Corales de Profundidad". *Boletín de Investigaciones Marinas y Costeras*. 45(1): 99-121. DOI: 10.25268/bimc.invemar.2016.45.1.632
- Maldonado, J.H., Moreno-Sánchez, R.P. 2016. "Exacerbating the tragedy of the commons: private inefficient outcomes and peer effect in experimental games with fishing communities" *PlosOne*, 11(2): e0148403. DOI: 0.1371/journal.pone.0148403
- Rodríguez-Robayo, K.J., Ávila-Foucat, V.S., Maldonado, J.H. 2016. "Indigenous communities' perception regarding payments for environmental services programme in Oaxaca Mexico" *Ecosystem Services*, 17(February 2016): 163-171. DOI: [10.1016/j.ecoser.2015.11.013](https://doi.org/10.1016/j.ecoser.2015.11.013).
- De la Montaña, E., Moreno-Sánchez, R.P., Maldonado, J.H., Griffith, D. 2015. "Predicting hunter behavior of indigenous communities in the Ecuadorian Amazon: insights from a household production model" *Ecology and Society*. 20(4): 30. DOI: [10.5751/ES-08032-200430](https://doi.org/10.5751/ES-08032-200430)
- Maldonado, J.H., Gómez, J.A., Rosada, T. 2015 "Rural Development Programmes and Conditional Cash Transfers: Examining Synergistic Effects in Latin America" *Policy in Focus*, 12(2): 30-32.
- Zárate-Barrera, T.G., Maldonado, J.H. 2015. "Valuing Blue Carbon: Carbon Sequestration Benefits provided by the Marine Protected Areas in Colombia" *PlosOne*, 10(5): e0126627. DOI: 10.1371/journal.pone.0126627.

- Maldonado, J.H., Moreno-Sánchez, R.P. 2014 “Estimating the adaptive capacity of local communities at marine protected areas in Latin America: a practical approach” *Ecology and Society*, 19(1): 16. DOI: 10.5751/ES-05962-1901164.
- López-Angarita, J., Moreno-Sánchez, R.P., Maldonado, J.H. & Sánchez, J.A. 2014. “Evaluating Linked Social–Ecological Systems in Marine Protected Areas” *Conservation Letters*, 07(3): 241-252. DOI:10.1111/conl.12063
- Moreno-Sánchez, R.P., Maldonado, J.H. 2013 “Adaptive capacity of fishing communities at marine protected areas: a case study from the Colombian pacific” *AMBIO A Journal of the Human Environment*, 42(8): 985-996. DOI 10.1007/s13280-013-0454-y.
- Vargas-Morales, M., Rueda, M. & Maldonado, J.H. 2013. “Evolución y factores determinantes de la huella ecológica de la pesca de camarón blanco (*Litopenaeus occidentalis*) en el Pacífico colombiano”. *Boletín de Investigaciones Marinas y Costeras*, 42(1):153-171.
- Rodríguez-Robayo, K.J. & Maldonado, J.H. 2012. “De la extracción de madera hacia los productos forestales no maderables del bosque. Análisis de la disponibilidad de cambio en los hogares de Puerto Nariño, Amazonas, Colombia”. *Investigación Ambiental*, 4(1): 36-44.
- Moreno-Sánchez, R.P., Maldonado, J.H., Wunder, S., & Borda, C.A. 2012. “Heterogeneous users and willingness to pay in an ongoing payment for watershed protection initiative in the Colombian Andes.” *Ecological Economics*, 75: 126-134. doi:10.1016/j.ecolecon.2012.01.009
- Zambrano, P., Smale, M., Maldonado, J.H., Mendoza, S.L. 2012. Unweaving the Threads: The Experiences of Female Farmers with Biotech Cotton in Colombia. *AgBioForum*, 15(2): 125-137. <http://www.agbioforum.org/v15n2/v15n2a02-zambrano.htm>
- Moreno-Sánchez, R.P., Maldonado, J.H. 2011. “Enfoques alternativos en la valoración de ecosistemas: explorando la participación de los usuarios locales.” *Revista Ambiente y Desarrollo*, 15(29): 11-42.
- Lachaud, M.A. & Maldonado, J.H. 2011. “Aproximación al cálculo del crecimiento real de Colombia: Aportes metodológicos para la inclusión en las Cuentas Nacionales de los impactos del agotamiento del carbón y del gas natural.” *Revista de Economía del Rosario*, 14(1):1-29.
- Urrea, M.A., & Maldonado, J.H. 2011. “Vulnerability and risk management: the importance of financial inclusion for beneficiaries of conditional transfers in Colombia.” *Canadian Journal of Development Studies*, 32(4): 381-398. DOI: 10.1080/02255189.2011.647442.
- Moreno-Sánchez, R.P., Maldonado, J.H. 2010. “Evaluating the role of co-management in improving governance of marine protected areas: An experimental approach in

the Colombian Caribbean.” *Ecological Economics*, 69: 2557-2567.
DOI: [10.1016/j.ecolecon.2010.07.032](https://doi.org/10.1016/j.ecolecon.2010.07.032)

Camargo, C., Maldonado, J.H., Alvarado, E., Moreno-Sánchez, R., Mendoza, S., Manrique, N., Mogollón, A., Osorio, J.D., Grajales, A., & Sánchez, J.A. 2009. “Community involvement in management for maintaining coral reef resilience and biodiversity in southern Caribbean marine protected areas”. *Biodiversity and Conservation* 18: 935-956. DOI: [10.1007/s10531-008-9555-5](https://doi.org/10.1007/s10531-008-9555-5).

Rodríguez, R. K.J., & Maldonado, J.H. 2009. “Importancia de los productos forestales maderables y no maderables en los hogares de Puerto Nariño (Amazonas, Colombia)”. *Cuadernos de Desarrollo Rural* 6(62): 31-52. January-June 2009.

Maldonado, J.H. & González-Vega, C. 2008. “Impact of microfinance on schooling: evidence from rural households in Bolivia” *World Development* 36 (11): 2440-2455. DOI: [10.1016/j.worlddev.2008.04.004](https://doi.org/10.1016/j.worlddev.2008.04.004).

Maldonado, J.H. & C. González-Vega. 2006. “Impacto de las microfinanzas sobre la educación formal de niños en hogares de Bolivia” *Desarrollo y Sociedad* 56: 23-66.

Moreno, R., & Maldonado, J.H. 2006. “Surviving from garbage: the role of informal waste pickers in a dynamic model of solid waste disposal and recycling in developing countries.” *Journal of Environment and Development Economics* 11(3): 1 -21. DOI: [10.1017/S1355770X06002853](https://doi.org/10.1017/S1355770X06002853)

González-Vega, C., J. Rodríguez-Meza, D. Southgate & J.H. Maldonado. 2004. “Poverty, Structural Transformation, and Land Use in El Salvador: Learning from Household Panel Data.” *American Journal of Agricultural Economics* 86(5): 1367-74. DOI: [10.1111/j.0002-9092.2004.00691.x](https://doi.org/10.1111/j.0002-9092.2004.00691.x)

Bonilla, A., R. Rosales y J.H. Maldonado. 2003. “El Valor Económico de la Predicción del Fenómeno El Niño Oscilación del Sur (ENOS) en el Sector Azucarero Colombiano.” *Desarrollo y Sociedad* 52: 1-38.

Books

Maldonado, J.H., Moreno-Sánchez, R.P., Gómez, J.A., León, V. (compilers) 2016. *Protección, producción, promoción: explorando sinergias entre protección social y fomento productivo rural en América Latina*. Bogotá: Universidad de los Andes, Facultad de Economía, CEDE, Ediciones Uniandes, 546p. Available in: <http://sinergiasrurales.info/Nosotros/Libro-sinergias-rurales>

Moreno-Sánchez, R., Vargas-Morales, M. Maldonado, J.H., Vilorio, E.A., Rodríguez, C., Rueda, M. 2015. *Entendiendo las decisiones de producción y consumo de los hogares de pescadores: Una aproximación a través de los modelos de producción de hogares*. Serie de Publicaciones Generales del INVEMAR No. 86, Santa Marta. 52 p.

- Villamil Medrano, E., Bolaño Medrano, J., Gómez Rodríguez, W., Valencia Gómez, N., Geles Villamil, M.A., Moreno-Sánchez, R.P., Mendoza Mojica, S.L., Maldonado, J.H. 2015. *El pescador de Barú: una aproximación a la recuperación del conocimiento local asociado a la pesca*. Bogotá: Universidad de los Andes, Facultad de Economía, CEDE, Ediciones Uniandes, 228p. Available in: <http://economia.uniandes.edu.co/pescadorbaru>
- Maldonado, J.H., Moreno-Sánchez, R.P., Fog, L. Ávila, C. 2013. *Capacidad adaptativa de la comunidad de Bazán (Nariño, Colombia)*. Conservación Internacional, GEMAR, Uniandes. April 2013. ISBN: 978-958-57691-5-1.
- Maldonado, J.H., Moreno-Sánchez, R.P., Giraldo-Pérez, I., Barrera-Orjuela, C.A. 2011. *Los programas de transferencias condicionadas: ¿hacia la inclusión financiera de los pobres en América Latina?* Lima, IEP; IDRC, 2011. (Serie: Análisis Económico, 26).
- Maldonado, J.H. 2008. *Economía de recursos naturales: Aplicaciones de la economía computacional a la solución de problemas dinámicos*. Bogotá: Universidad de Los Andes, Facultad de Economía, Colección CEDE 50 años. CEDE, Ediciones Uniandes, 244 p.

Book chapters

- Maldonado, J.H. 2016. "Introducción." In: Maldonado, J.H., Moreno-Sánchez, R.P., Gómez, J.A., León, V. (compilers) 2016. *Protección, producción, promoción: explorando sinergias entre protección social y fomento productivo rural en América Latina*. Universidad de los Andes, Facultad de Economía, CEDE, Ediciones Uniandes. Bogotá. p.7-15. ISBN: 978-958-774-278-7.
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Seminar "Vivir del mar: saberes y tradiciones de los pescadores artesanales del Caribe colombiano", Banco de la República, Cartagena de Indias (Colombia), September 28, 2017. By J.H. Maldonado, R.P. Moreno-Sanchez and W. Gomez.

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National Workshop "Pescando Para La Vida". Universidad de Cartagena (Colombia) and Manchester Metropolitan University-MMU (United Kingdom), Cartagena de Indias, Colombia, July 21-22, 2017.

European Association of Environmental and Resource Economists, EAERE, 23rd annual conference. Athens (Greece), June 28 to July 1, 2017. *Behavior of mixed-gender groups for natural resource use: Experimental evidence from a Colombian fishing zone*. By: Y.M. Barrero and J.H. Maldonado.

Workshop Climate Change event – Capital City Universities Initiative – University of Victoria Wellington, New Zealand, November 2-3, 2016. *Forestry and conservation initiatives in Colombia, challenges and climate opportunities; Key issues for ETS in NZ and Colombia*.

Webinar. Duke University – MESP. Durham, United States, May 21, 2015. *La expansión del Programa Socio-Bosque en las zonas de manglar del Ecuador: insumos técnicos para su implementación*. By J.H. Maldonado & R.P. Moreno.

Seminar of Biological Sciences' Department of Universidad de Los Andes. Bogota, Colombia, March, 2015. *¿Cuánto valoramos los colombianos nuestras áreas marinas protegidas?*

XV National Seminar on Sea Science and Technology - SENALMAR 2015. Santa Marta, Colombia, October, 2015:

- *Conservación de manglares en Ecuador: insumos técnicos para la implementación del programa socio-manglar.* With R.P. Moreno-Sánchez., D. Campoverde, C. Solís, C. Gutierrez, A. Bruner.
- *Aporte de las áreas marinas protegidas al sector pesquero nacional.* With R. Cuervo Sánchez, M.E. Vargas Morales, V. Ospina.
- *Aporte de las áreas marinas protegidas al sector turístico nacional.* With R. Cuervo Sánchez, M.E. Vargas Morales, V. Ospina.

LACEEP+10 Workshop on environmental and resource economics in Latin America. Mexico City., Mexico, July 2015

- *Inputs for improving the implementation of concessions on mangrove areas through SocioManglar program in Ecuador: Mixing valuation and experimental-games techniques.* By J.H. Maldonado, R.P. Moreno-Sánchez, D. Campoverde, C. Solís, C. Gutierrez, A. Bruner, Conservation Strategy Fund.
- *Predicting hunting behavior in Amazonian indigenous communities: insights from a HH production model.* By J.H. Maldonado, E. De la Montaña, R.P. Moreno-Sánchez & D. Griffith.

Global Development Conference. Agriculture for Sustainable Growth: Challenges and Opportunities for a New "Green Revolution". June 11-13, 2015. Casablanca, Morocco.

- Chairperson of the session: *Interactions between social protection programs and rural development projects: how can we all help?*
- Presenter. *Synergies between conditional cash transfers and rural development in Latin America: What have we learned?* as part of the session: *Interactions between social protection programs and rural development projects: notes from the field.*

Latin American Studies Association, LASA Conference. Session organizer: *Synergies between Conditional Cash Transfers (CCT's) and Rural Development programs.* May 27-30, 2015. San Juan, Puerto Rico.

Seminar: Valoración de bienes y servicios ambientales: estudios de caso. April 16 and 17 2015. UNAM, Mexico City.

- Keynote speaker: *Valoración económica de áreas marinas protegidas en Colombia: un análisis desde un enfoque multiservicios y multiagentes.*
- Keynote speaker: *Juegos económicos experimentales para entender la percepción de los hogares agrícolas que se enfrentan a los desafíos del cambio climático.*

IV Congreso Colombiano de Zoología, Encuentro Manejo Participativo para la Conservación de Recursos Biológicos y Pesqueros, Cartagena de Indias, December 5 of 2014. *Valoración de AMPs Desde la Perspectiva de los Usuarios de Recursos: Conciliando Enfoques Cuantitativos Individuales con Enfoques Cualitativos Colectivos*. Maldonado, J.H., Moreno-Sanchez, R.P.

Seminar: Social protection, entrepreneurship and labor market activation: evidence for better policies. Brasilia, September 10-11, 2014. *What we have learnt about articulating social protection and productive development programs?*

VI Curso Áreas Marinas Protegidas: Una Mirada Frente a los Sectores Productivos del País. Bogota, October 2014. *Valoración Económica del subsistema de áreas marinas protegidas en Colombia*.

Fifth World Congress of Environmental and Resource Economists, Istanbul, Turkey, June 28 to July 2, 2014:

- *Economic valuation of marine protected areas from the perspective of local users: conciliating quantitative-individual with qualitative-collective approaches*. Selected paper. J.H. Maldonado, R.P. Moreno & C.A. Gutiérrez-Silva.
- *Valuing Blue Carbon: Carbon Sequestration Benefits provided by the Marine Protected Areas in Colombia*. Selected paper. G.T. Zárate & J.H. Maldonado.
- *Valuation of the Ecosystem Services Associated to Fishing provided by Marine Protected Areas in Colombia*. Selected paper. R.S. Cuervo, J.H. Maldonado & M. Rueda.
- *A bioeconomic analysis of hunting and its use as a source of protein by indigenous communities in the Ecuadorian Amazon*. Selected poster. E. de la Montaña, R.P. Moreno-Sánchez & J.H. Maldonado.

Instrumentos de política ambiental en cuencas: Pagos por Servicios Ambientales. Presented at the conference *Watershed Management for Ecosystem Services in Human Dominated Landscapes of the Neotropics*. Panama city, Panama. March 20-21, 2014.

El papel de las comunidades locales en la conservación, el manejo de los recursos de uso común y sus políticas públicas. **Notas de Política**. Escuela de Gobierno – Alberto Lleras Camargo y el Centro de Estudios sobre Desarrollo Económico – CEDE - de la Facultad de Economía de la Universidad de los Andes, Bogotá, Octubre 24, 2013. By Juan Camilo Cárdenas & Jorge Higinio Maldonado.

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- *Estimando la capacidad adaptativa de comunidades de pescadores en áreas marinas protegidas: caso del Pacífico*. With R.P. Moreno-Sánchez.
- *Influencia geográfica sobre la disponibilidad a pagar por proteger áreas marinas: análisis espacial para Colombia*. With C.A. Gutiérrez.
- *Enfoques alternativos en la valoración de ecosistemas: explorando la participación de los usuarios locales*. With R.P. Moreno
- *Estimando la disponibilidad a aceptar estrategias de conservación en comunidades de pescadores*. With R.P. Moreno and C.A. Gutierrez.
- *Determinación de la huella ecológica de la pesca (fishprint) en el Pacífico colombiano: aplicación para la pesca de camarón blanco (*Litopenaeus occidentalis*)*. With M. Vargas Morales & M.E. Rueda Hernández.

Glacier Melting and Retreat: Understanding the Perception of Agricultural Households that Face the Challenges of Climate Change. Presented at the *International seminar Impact evaluation of environmental policies: counterfactual analysis*. Pontificia Universidad Católica de Chile, Santiago de Chile, Chile, August 19, 2013. By Adriana Bernal Escobar, Rafael Cuervo Sánchez, Gonzalo Pinzón Trujillo & Jorge Higinio Maldonado.

Glacier Melting and Retreat: Understanding the Perception of Agricultural Households That Face the Challenges of Climate Change. Selected paper to be presented at the annual meeting of *Agricultural and Applied Economics Association*, AAEA, Washington, DC, August 4-7, 2013. By Adriana Bernal Escobar, Rafael Cuervo Sánchez, Gonzalo Pinzón Trujillo & Jorge Higinio Maldonado.

Glacier Melting and Retreat: Understanding the Perception of Agricultural Households That Face the Challenges of Climate Change. Selected paper to be presented at the annual conference of the *European Association of Environmental and Resource Economists*, EAERE, Toulouse, France, June 27-29, 2013. By Adriana Bernal Escobar, Rafael Cuervo Sánchez, Gonzalo Pinzón Trujillo & Jorge Higinio Maldonado.

Valoración de ecosistemas desde la perspectiva de los usuarios de recursos: Conciliando enfoques cuantitativos individuales y enfoques cualitativos colectivos. Presented at “*Simposio de valoración integral de la biodiversidad y los servicios ecosistémicos*”, IAvH-UNIANDES. Bogotá, May 23, 2013. By J. H. Maldonado, R.P. Moreno, M. Rubio & C.A. Gutierrez.

Valoración de áreas marinas protegidas en Colombia: el caso de servicios ecosistémicos asociados a las pesquerías. Seminarios Efd. Environment for Development. December 11, 2012. CATIE, Turrialba, Costa Rica.

Understanding fishing communities: a practical approach to estimate adaptive capacity. Environment for Development Sixth Annual Meeting. October 25 - 29, 2012. Arenal, Costa Rica. By J.H. Maldonado & R.P. Moreno.

- The role of local communities in the governance of marine protected areas Inter-American Development Bank Biodiversity Speaker Series 2012 Bringing biodiversity and ecosystem services to development. Marine Natural Capital Panel. October 4th, 2012, IDB Headquarters, Washington, D.C. By J.H. Maldonado & R.P. Moreno.
- Exacerbating the tragedy of the commons: Does initial endowment affect the outcome? 12th Biennial Conference of the International Society for Ecological Economics. Rio de Janeiro, 19 June 2012. By J.H. Maldonado & R.P. Moreno.
- Valoración Económica de Ecosistemas Marinos y Costeros. Día de los Océanos; Autoridad Nacional de Licencias Ambientales. Feria Internacional de Medio Ambiente. Bogotá, Junio 8 de 2012.
- Conditional transfer programs and financial inclusion: opportunities and challenges in Latin America. 2012 Congress of the Latin American Studies Association. San Francisco, California May 23-26, 2012. By J.H. Maldonado, R.P. Moreno S., I. Giraldo-Pérez, C.A. Barrera-Orjuela.
- Evaluating the role of co-management in improving governance of marine protected areas: an experimental approach in the Colombian Caribbean. Selected Paper prepared for presentation at the 13th Biennial Conference of the International Association for the Study of the Commons (IASC), Hyderabad, India, January 10-14, 2011. By J.H. Maldonado & R.P. Moreno.
- Evaluación de la efectividad de áreas marinas protegidas: enfoque de resiliencia socio-ecológica. Invited lecturer to the “2º Encuentro Nacional de Economía Ecológica”, Bogotá, Colombia, November 3-4, 2010. By J.H. Maldonado & R.P. Moreno.
- Does scarcity exacerbate the tragedy of the commons? Evidence from fishers’ experimental responses. Selected paper presented at the fourth World Congress of Environmental and Resource Economists, Montreal, Canada, June 28 to July 2, 2010. By J.H. Maldonado & R.P. Moreno.
- Do environmental services buyers prefer differentiated rates? A case study from the Colombian Andes. Selected paper presented at the fourth *World Congress of Environmental and Resource Economists*, Montreal, Canada, June 28 to July 2, 2010. By R.P. Moreno, J.H. Maldonado, S. Wunder & C. Borda.
- Comanejo y gobernabilidad de recursos de uso común: lecciones a partir de experimentos económicos en un área marina protegida del Caribe colombiano. Invited lecturer to the “*Cátedra de Sede José Celestino Mutis ‘Biodiversidad en Colombia 2010: Amenazas, Desafíos y Acciones Diversas’*.” Universidad Nacional de Colombia, March 2010.

- Effect of scarcity of natural resources on its use: lessons from experimental economic games in areas of influence of marine protected areas. Presentation at the seminar workshop “*Methods and quantitative models for the sustainable use of natural resources*”. Cali, Colombia, November 26, 2009. By Maldonado, J.H. & Moreno-Sánchez, R.P.
- Co-management and governance of common pool resources: lessons from economic experimental games in a marine protected area in the Colombian Caribbean. Presentation at the II Regional Seminar CONALPE “Environmental economics: theoretical advances and public policy.” Santa Marta, Magdalena, October 29, 2009. By Maldonado, J.H. & Moreno-Sánchez, R.P.
- Can joint management strategies improve governance in marine protected areas? Lessons from economic experimental games in the Colombian Caribbean. Presentation at the First National Congress of Protected Areas, Bogotá, Colombia, October 27-29, 2009. By Moreno-Sánchez, R.P. & Maldonado, J.H.
- Does scarcity exacerbate the tragedy of the commons? Evidence from fishers’ experimental responses. Selected paper to be presented at the *DIVERSITAS Open Science Conference 2 "Biodiversity and Society: Understanding connections, Adapting to change"*, Cape Town, South Africa, October 13-16, 2009. By Maldonado, J.H. & Moreno-Sánchez, R.P.
- Does scarcity exacerbate the tragedy of the commons? Evidence from economic experimental games with fishers in the Colombian Caribbean. Paper presented to the IV Congress of Latin America and Caribbean Association of Environmental and Resource Economists, ALEAR. Heredia, Costa Rica, March 19-21, 2009. By Maldonado, J.H. & Moreno-Sánchez, R.P.
- Does scarcity exacerbate the tragedy of the commons? Evidence from fishers’ experimental responses. Selected paper to be presented at the annual meeting of *American Agricultural Economics Association, AAEA*, Orlando, FL, July 27-29, 2008. By Maldonado, J.H. & Moreno-Sánchez, R.P.
- Can co-management strategies improve governance in a marine protected area? Lessons from experimental economic games in the Colombian Caribbean. Selected paper to be presented at the 16th annual conference of the *European Association of Environmental and Resource Economists, EAERE*, Gothenburg, Sweden, June 25-28, 2008. By Moreno-Sánchez, R.P. & Maldonado, J.H.
- Is co-management a viable strategy for marine protected areas? Evidence from economic experimental games in the Colombian Caribbean. Presentation at XIII National Seminar on Science and Technology in Sea - SENALMAR 2008. San Andrés Island, Colombia, May 20-23, 2008. Moreno-Sánchez, R.P. & Maldonado, J.H.

- Governance and common pool resources: the case of National Natural Park ‘Corales del Rosario y San Bernardo’ in Colombia. Paper presented at the *III Congress of the Latin American and the Caribbean Association of Environmental and Natural Resources Economists*, ALEAR, at the University of Talca Chile, September 26-28, 2007. Moreno-Sanchez, R. & Maldonado, J.H.
- Co-management strategy for the sustainable use of coral reef resources in the National Natural Park “Corales del Rosario y San Bernardo” in Colombia. *Selected Paper* presented at the *American Agricultural Economics Association* AAEA, annual meeting. Portland (OR), July 29 -August 1, 2007. Maldonado, J.H. & Moreno-Sanchez, R.P.
- Recursos de uso colectivo: Herramientas económicas para la conservación y uso sostenible de áreas estratégicas para biodiversidad. Working paper prepared for the regional course in Training in Systems of Biodiversity Use (SUBD). Instituto de Investigaciones Biológicas Alexander von Humboldt. Villavicencio, May 2007.
- Fauna trade in Colombia and hidden information: new challenges for regulation on sustainable use. Conference presented at the I International Congress of Neotropical Wild Fauna Medicine and Use. Bogotá, August 25-27, 2005. Rivera-Virgüez, M.L. & J.H. Maldonado.
- Linking poverty, natural resources and financial markets: a model of land use by rural households in El Salvador. *Selected Paper* presented at the annual meeting of the *American Agricultural Economics Association*, AAEA. Denver, CO, August 1-4, 2004. Maldonado, J.H. & C. González-Vega.
- The Influence of Microfinance on the Education Decisions of Rural Households: Evidence from Bolivia. Paper presented at the Annual Meetings of the *American Agricultural Economics Association*, AAEA. Montreal, Canada. July 27-30, 2003. Maldonado, J.H., González-Vega, C. & Romero, V.
- Linking Poverty, Natural Resource Use and Access to Financial Markets: a Model of Rural Household Land Use in El Salvador. Paper presented at the *First Latin American and Caribbean Congress on Environmental and Resource Economics*, ALEAR. Cartagena de Indias, Colombia. July 9-11, 2003. Maldonado, J.H., Southgate, D., & González-Vega, C.
- The Influence of Microfinance on Human Capital Formation: Evidence from Bolivia. Contributed Paper. *Seventh Annual Meeting. Latin American and Caribbean Economics Association*, LACEA. Madrid, Spain. October 11-13, 2002. Maldonado, J., González-Vega, C. & Romero, V.

Honors and Awards

GLOBAL DEVELOPMENT NETWORK – GDN. Winner of the Global Development Awards Competition for the Award for Outstanding Research on Development, with the proposal *Governance And Adaptability Of Fishing Communities In A Marine Protected Area In The Colombian Caribbean*. Kuwait, February 3-5, 2009.

GLOBAL DEVELOPMENT NETWORK – GDN. Finalist at 2008 Global Development Medals Competition - The Governance and Political Economy of Natural Resource Management, with the paper *Can co-management strategies improve governance in a marine protected area? Lessons from experimental economic games in the Colombian Caribbean*. Kuwait, February 3-5, 2009.

DEPARTMENT OF AGRICULTURAL, ENVIRONMENTAL AND DEVELOPMENT ECONOMICS at THE OHIO STATE UNIVERSITY. Selection of the doctoral dissertation as the best dissertation of the department for the year 2004 and nomination of it to the *American Agricultural Economics Association*. February 2005.

FULBRIGHT COMMISSION – COLCIENCIAS. Fellowship for graduate studies at The Ohio State University. Autumn 2000 – Summer 2003

INTERAMERICAN DEVELOPMENT BANK – UNIVERSIDAD DE LOS ANDES – CORPORACION ANDINA DE FOMENTO. Scholarship for graduate studies at master's level at Universidad de los Andes. Bogotá, Colombia 1995-1997.

UNIVERSIDAD NACIONAL DE COLOMBIA. Exempted from repaying academic loan offered by the university, due to the highest GPA among graduated this year. Bogotá, Colombia 1994.

Other activities and filiations

Member of the Program Advisory Committee for the Fulbright Commission in Colombia, since January 2018.

Editor for the journal *Desarrollo y Sociedad*, Department of Economics, Universidad de los Andes, since October 2014.

Member of the Ethics Committee for the Institutional Review Board of Universidad de los Andes, since August 2017.

Member of the reference group for the IUCN Green List for Protected Areas initiative, Colombia chapter. Since March 2015.

Representative of Universidad de los Andes for the Corporation Center of Excellence in Marine Sciences, CEMarin. Since January 2017.

Member of the Ethics Committee for the Department of Economics, Universidad de los Andes, since June 2016.

Member of the Doctorate Committee for the Department of Economics, Universidad de los Andes, since January 2016.

Latin American and Caribbean Environmental Economics Program, LACEEP.

- Deputy Director from 2010 to 2012, and October 2014 to September 2017.
- Program Director, from August 2012 to September 2014.

Invited advisor for grantees from the Fellowship Program, Conservation Strategy Fund, 2013, 2014, 2015.

Invited referee for the journals:

- Ecological Economics, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2017, 2018;
- Journal of Environmental Economics and Management, JEEM, 2017
- Environment and Development Economics, 2016, 2018
- Journal of Sea Research, 2016
- Conservation and Society, 2016
- Ambio, 2015, 2016.
- Journal of Agricultural and Resource Economics, 2014;
- Bulletin of Marine and Coastal Research, 2008, 2010, 2011, 2014;
- World Development, 2011, 2013;
- Water Resources and Rural Development, 2013;
- Cuadernos de Economía, 2006, 2009, 2013;
- Journal of Economic Behavior and Organization, 2010, 2011, 2012;
- Water Alternatives, 2011;
- Journal of Sustainable Development Law and Policy, 2011;
- Desarrollo y Sociedad, 2006, 2007, 2008, 2010, 2011;
- Resources, Conservation & Recycling, 2008;
- Revista de Economía Institucional, 2008.

Invited reviewer for the grant program of Fulbright Commission, 2016, 2017.

Member of the Association of Environmental and Resource Economists – AERE.

Member of the American Association of Applied Economists – AAEA.

Member of the European Association of Environmental and Resource Economists – EAERE. Reviewer of manuscripts submitted to the annual congress.

Member of the Grameen Foundation Advisory Council. May 2011-June 2015.

Thematic editor invited for a special issue in the journal Desarrollo y Sociedad, dedicated to applied microeconomics. Second semester 2007.

References

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