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## BIOGRAPHICAL

Born, 12/10/65 in Bogotá, Colombia; Married since 1988; Two Children

## CURRENT ACADEMIC

### **Professor (Profesor Titular)**

School of Economics, Universidad de los Andes, Bogotá, COLOMBIA

Courses: Introductory Microeconomics, Advanced Microeconomics, Experimental Economics, Economics of Decisions and Institution, Cooperation & Competition.

Research: Micro-foundations of social exchange. Analysis and design of institutions (rules) that promote sustainable, efficient and fair use of common resources and provision of local public goods. Effects of inequality and regulations in the management of collective resources. Applications of experimental economics in the field.

### **AFFILIATE FACULTY**

WORKSHOP IN POLITICAL THEORY AND POLICY ANALYSIS, INDIANA UNIVERSITY.

### **ADJUNCT ASSOCIATE PROFESSOR**

DEPARTMENT OF RESOURCE ECONOMICS, UNIVERSITY OF MASSACHUSETTS-AMHERST.

## EDUCATION

### **Post-Doctoral:**

**Indiana University - Bloomington, USA**

**August 1999 - June 2000**

**Visiting Scholar, Workshop in Political Theory and Policy Analysis, and  
The International Forestry Resources and Institutions Research Program (IFRI).**

### **Ph.D., Environmental and Resource Economics**

**University of Massachusetts - Amherst, USA**

**Spring 2000**

Dissertation: "Rural Institutions, Poverty and Cooperation: Learning from Experiments and Conjoint Analysis in the Field". Winner of the Joseph L. Fisher Dissertation Award, Resources for the Future, Washington. Involves field work with rural communities in Colombia using experimental economics and conjoint valuation techniques for studying the problems of cooperation in local commons dilemmas in ecosystems that host high levels of biodiversity. Dissertation Committee: Dr. Cleve E. Willis, Dr. John K. Stranlund, Dr. Tom Stevens, Dr. Samuel Bowles.

### **Visiting Fellow**

**Economic Science Laboratory**

University of Arizona, Tucson

**Summer 1998**

Fourth Annual 1998 Visiting Graduate Student Workshop in Experimental Economics. July 29 - August 5, 1998.

**Master of Science, Environmental and Resource Economics** 1991 - 94  
**University of Massachusetts, Amherst**  
Thesis: "People, Trees, Land and Water: Tales about economic and ecological interdependence and the role of institutions in Northern Boyacá, Colombia".

**B.S. Industrial Engineering** 1984 - 89  
**Universidad Javeriana**

PROFESSIONAL AND ACADEMIC EXPERIENCE (CHRONOLOGICAL ORDER)

**Full Professor (Profesor Titular)** 2008 to present

**Associate Professor** 2004 to 2008  
Facultad de Economía, Universidad de Los Andes, Bogotá.

**Robert F. Kennedy Visiting Professor of Latin American Studies** Fall 2008  
Harvard University, David Rockefeller Center of Latin American Studies

**International Fellow** 2002-2004  
The Santa Fe Institute, New Mexico, USA

**Associate Professor** 2000 to 2003  
School of Environmental and Rural Studies, Pontificia Universidad Javeriana  
Courses: Economics of Institutions and the Environment; Environmental Economics; Ecological Economics.

**Visiting Scholar** Fall 1999 - Spring 2000  
Workshop in Political Theory and Policy Analysis, Indiana University

**Teaching Assistant** 1996 - 99  
Department of Resource Economics, University of Massachusetts, Amherst  
Graduate course in econometrics (Spring 96, 97, 98, 99); Undergraduate courses in Statistics (Fall 97, 98)

**Lecturer and Consultant** 1997 - 98  
Program of Use and Valuation of Biodiversity. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt - Colombia.

**Profesor-Investigador** 1990-96  
Instituto de Estudios Ambientales para el Desarrollo  
Universidad Javeriana

**Research Fellow** 1994  
Departamento Nacional de Planeación and The World Bank LA3C1.  
Research study based on 16 Colombian municipalities on the factors determining local governments capacity.

**Lecturer** Fall 1991 - Fall 1993  
Institute for Training and Development - ITD Amherst, MA, USA.  
Lecturing and consulting on training programs for Latin American rural leaders participating in ITD training programs.

**Research Assistant** 1989 - 90  
Instituto SER de Investigación. Bogotá, Colombia.  
Part of a group developing a set of environmental indicators for "Coyuntura Social", a biannual publication of Instituto SER de Investigación, the FES Foundation, and FEDESARROLLO.

## AWARDS AND SCHOLARSHIPS

- Rockefeller Foundation Bellagio Center Residency, June 14-August 11, 2016. Bellagio, Italy.
- Selected in 2014 as one of the 30 Colombian leaders by Revista Semana and the Leadership and Democracy Foundation. <http://fundacionlyd.org/proyectos/mejores-lideres-2014>  
<http://www.semana.com/nacion/multimedia/juan-camilo-cardenas-pedagogo-revolucionario/405605-3>
- Recipient of the SCOPUS-Elsevier Colombia Award 2013 for the highest H-index in the Humanities in the country. <http://www.colciencias.gov.co/noticias/premiados-7-investigadores-colombianos>
- Recipient of the 2009 “Fundación Alejandro Angel Escobar” Science Prize in Environment and Development, for the book “Dilemas de lo Colectivo: Instituciones, pobreza y cooperación en el manejo local de los recursos de uso común”. <http://www.faae.org.co/html/prizes.htm>
- Robert F. Kennedy Visiting Professor of Latin American Studies - Fall 2008, David Rockefeller Center of Latin American Studies, Harvard University.
- Premio Biental al Investigador Javeriano en Ciencias Sociales. Biannual Award to the researcher in social sciences, Javeriana University, Agosto, 2003
- Santa Fe Institute International Fellowships Competition. Junior Award (2002-2004)  
<http://www.santafe.edu/sfi/education/international/intlfellows/intlfal02/index.html>
- First Place. Research Medal Awards (Category “Environmental and Social Sustainability”) 2000  
Second “Global Development Network GDN” Conference GDN2000 Tokyo, Japón, December 11-13, 2000. Paper: “Real Wealth and Experimental Cooperation: Evidence from Field Experiments”.  
<http://www.gdnet.org/>. Selection committee chaired by Joseph E. Stiglitz. Committee members: Nancy Birdsall, Francois Bourguignon, Takatoshi Ito and Amartya Sen.
- Research and Writing Grants Competition (2000-2001), The John D. and Catherine T. MacArthur Foundation, Program on Global Security and Sustainability. Project: "OBSERVING PEOPLE IN THE FIELD LAB: Learning through Field Experiments about Cooperation in Communities Using Biodiversity Resources". Amount awarded: US\$70,992.
- Joseph L. Fisher Dissertation Award for 1999-2000 1999  
*Resources for the Future. Washington, D.C.*
- WWF Prince Bernhard Scholarship for Nature Conservation 1999  
*WWF World Wide Fund for Nature. WWF International, Gland, Switzerland.*
- Outstanding Teaching Assistant Award Academic year 1998-99  
*Department of Resource Economics, University of Massachusetts, Amherst. Vijay Bhagavan Memorial Fund.*
- Carolyn Harper Award for academic achievement, concern for social and environmental issues, and the importance of social diversity. Department of Resource Economics. University of Massachusetts at Amherst. September, 1993.
- Inter-American Foundation - USGS Graduate Studies Fellow 1997/98.

- Fulbright scholar for graduate studies. Host institution: UMASS/Amherst. Sponsor institution: Universidad Javeriana, Bogota-Colombia. 1991-1993.
- 1993 LASPAU Award for Cooperative Research. Latin American Scholarship Program of American Universities. Fall, 1993.
- Fondo FEN para el Medio Ambiente. Mention of Honor to IDEADE: Proyecto de investigación participativa en Ecodesarrollo, Norte y Gutierrez, Boyacá, Colombia. Member team, 1992.

#### EDITORIAL WORK AND REVIEWING (JOURNALS):

- Guest editor for a Special Issue on “Collective action and the governance of the commons in Latin America”, Ecological Economics, December issue, 2015.
- Associate Editor, Latin American Economic Journal.
- Reviewer for the American Economic Review, Review of Economic Studies, Economic Inquiry, World Development, Journal of Economic Behavior and Organization, Journal of Development Economics, Journal of Public Economics, Journal of the European Economic Association, European Economic Review, Experimental Economics, Ecological Economics, Land Economics, Economic Letters, Nature Climate, American Journal of Political Science, Public Choice, Journal of Conflict Resolution, Rationality & Society, Resource and Energy Economics, Ecology & Society, Journal of Policy Analysis and Management, Cuadernos de Desarrollo Rural, Política Agrícola, Desarrollo & Sociedad, Revista de Economía del Rosario.

#### Doctoral Students at Universidad de los Andes:

- Cesar Mantilla: <https://sites.google.com/site/cesarmantilla/>
- Ruth Guillén Salas
- Santiago Gomez
- José David Lopez

#### Evaluator Doctoral Dissertations:

- Jurado, tesis doctoral “Social capital, Trust and Provision of local Public Goods “. Université Paris 1 - Panthéon Sorbonne, U.F.R de Sciences Economiques. Nov.2013
- Jurado, tesis doctoral “Un análisis de los determinantes del repago bajo Contratos de Préstamo Grupal”. Juan Manuel Santiago Pulido, Doctorado en Economía, Universidad Nacional de Colombia
- Rapporteur du Jury, doctoral dissertation “Arrangements institutionnels et modèles mentaux dans la gestion des biens communs” by Daniel Castillo. Université Paris Ouest Nanterre La Défense.
- Jurado lector, Tesis Doctoral Daniel Revollo, UNAM, México, "Eficiencia Técnica, Social Y Económica De La Pesquería De Abulón Bajo Un Esquema De Gestión Por Medio De Reservas Marinas: El Caso De Isla Natividad, Baja California, México”.
- Maastricht University, The Neatherlands. Evaluator Ph.D. Dissertation Ben D'Exelle, "Inequality, Networks and Exclusion: Distributive Decision Making in Small-scale Societies". May 28, 2008 aula of minderbroedersberg.
- Gotheburg University, Sweden. (Opponent, Dissertation Marcela Ibañez "Social Dilemmas: The role of incentives, norms and institutions" on Monday 26 of November, 2007.

## PROFESSIONAL CONTRIBUTIONS AND AFFILIATIONS

- Consejo Directivo, Corpovisionarios. 2016-2017.
- Associate Editor, Latin American Economic Journal.
- Miembro del Consejo Superior, Universidad de Los Andes (2013-2014)
- Scientific Council, Instituto Alexander von Humboldt
- Executive Committee, Steering Committee, CAPRI. The System-wide Program on Collective Action and Property Rights initiative at the CGIAR. [www.capri.cgiar.org](http://www.capri.cgiar.org)
- Workshop Advisory Committee and Affiliated Faculty. Workshop in Political Theory and Policy Analysis Indiana University - Bloomington, USA. <http://www.indiana.edu/~workshop/people.html>
- Adjunct Faculty. Department of Resource Economics, University of Massachusetts Amherst, USA
- Miembro del Consejo Directivo Fundación Natura (2004-2006)
- Miembro de Comité Editorial, *Environment and Development Economics*, Cambridge University Press. [http://www.cambridge.org/journals/journal\\_catalogue.asp?mnemonic=EDE](http://www.cambridge.org/journals/journal_catalogue.asp?mnemonic=EDE)
- Miembro de Comité Editorial, Revista *Desarrollo y Sociedad*, Universidad de los Andes, 2004-fecha
- Miembro de Comité Editorial, *Revista de Economía del Rosario*, Universidad del Rosario, 2006-fecha
- MEMBER OF:
  - AMERICAN ECONOMICS ASSOCIATION, AEA
  - INTERNATIONAL SOCIETY FOR ECOLOGICAL ECONOMICS
  - INTERNATIONAL ASSOCIATION FOR THE STUDY OF THE COMMONS
  - LATIN AMERICAN STUDIES ASSOCIATION (LASA)

## PUBLICATIONS AND PAPERS:

### Books:

- **[“Dilemas de Lo Colectivo: Instituciones, pobreza y cooperación en el manejo local de los recursos de uso común” \(2009\).](#)** 2ª reimposición. Ediciones UniAndes. Premio Alejandro Angel Escobar en ciencias, 2009.

### Peer-reviewed Journal Articles:

- Peña, Ximena, María Alejandra Vélez, Juan Camilo Cárdenas, Camilo Matajira y Natalia Perdomo (2017). "Collective Property Leads to Household Investments: Lessons from Land Titling in Afro-Colombian Communities." *World Development* 97 (2017): 27-48.
- Cárdenas, J.C., Marco A. Janssen, Manita Ale, Ram Bastakoti, Adriana Bernal, Juthathip Chalermphol, Yazhen Gong, Hoon Shin, Ganesh Shivakoti, Yibo Wang, and John M. Anderies (2017) "Fragility of the provision of local public goods to private and collective risks". *Proc. Natl. Acad. Sci. USA* 2017 0: 1614892114v1-201614892
- Cardenas, J.C. (2016) "Human behavior and the use of experiments to understand the agricultural, resource, and environmental challenges of the XXI century". *Agricultural Economics*. Forthcoming.
- Garzon, C. A., Rey, M.C, Sarmiento, P.J., J.C.Cardenas (2016). "Fisheries, fish pollution and biodiversity: choice experiments with fishermen, traders and consumers." *Economia Politica* 33(3): 333-353.
- Roldan Muradian, Juan Camilo Cardenas (2015) "From market failures to collective action dilemmas: Reframing environmental governance challenges in Latin America and beyond". *Ecological Economics*, Volume 120, Pages 1-450 (December 2015): 358-365.
- Cárdenas, J.C., A.Dreber, E.von Essen, E.Ranehill (2015) "Cooperativeness and competitiveness in children". *Journal of Behavioral and Experimental Economics*, Vol.59(2015): 32-41
- Cardenas, J.C., Cesar Mantilla, Rajiv Sethi (2015) "Stable Sampling Equilibrium In Common Pool Resource Games". *Games*. 2015, 6(3), 299-317.
- Pascual-Ezama, David, Toke R. Fosgaard, Juan Camilo Cardenas, Praveen Kujal, Robert Veszteg, Beatriz Gil-Gómez de Liaño, Brian Gunia, Doris Weichselbaumerh, Katharina Hilken, Armenak Antinyan, Joyce Delnoij, Antonios Proestakis, Michael D. Tira, Yulius Pratomo, Tarek Jaber-López, Pablo Brañas-Garza. "Context-dependent cheating: Experimental evidence from 16 countries". *Journal of Economic Behavior & Organization* 116 (2015) 379-386
- Cárdenas, J.C., C.Mantilla (2015) "Between-group competition, intra-group cooperation and relative performance". *Frontiers in Behavioral Neuroscience*. 17 February 2015, doi:10.3389/fnbeh.2015.00033
- Cárdenas, J.C., A.Dreber, E.von Essen, E.Ranehill (2014) "Gender and Cooperation in Children: Experiments in Colombia and Sweden". *PLOS ONE*. March 10, 2014 DOI: 10.1371/journal.pone.0090923
- Cárdenas, J.C. Nicolas De Roux, Christian R. Jaramillo, Luis Roberto Martinez (2014) "Is it my money or not? An experiment on risk aversion and the house-money effect". *Experimental Economics*, March 2014, Volume 17, Issue 1, pp 47-60
- Cardenas, J.C. N.Mendez & A.Casas (2014) "The Hidden Face of Justice: Fairness, Discrimination and Distribution in Transitional Justice Processes". *Peace Economics, Peace Science and Public Policy*. Volume 20, Issue 1, Pages 33-60, ISSN (Online) 1554-8597, ISSN (Print) 1079-2457, DOI: 10.1515/peps-2013-0052, January 2014

- Cardenas, J.C. “Commentary to Gerkey, D. Cooperation in Context: Public Goods Games and Post-Soviet Collectives in Kamchatka, Russia”. *Current Anthropology*, Vol. 54, No. 2 (April 2013), pp. 144-176.
- Gelcich, S., R. Guzman, C. Rodriguez-Sickert, J. C. Castilla, and J. C. Cárdenas. 2013. Exploring external validity of common pool resource experiments: insights from artisanal benthic fisheries in Chile. *Ecology and Society* 18(3): 2. <http://dx.doi.org/10.5751/ES-05598-180302>
- Cardenas, J.C., A.Chong, H.Ñopo (2013) “Stated social behavior and revealed actions: Evidence from six Latin American countries”. *Journal of Development Economics* 104 (2013) 16–33.
- Janssen, M. F.Bousquet, J-C. Cardenas, D.Castillo, K.Worrapimphong (2013) “Breaking the elected rules in a field experiment on forestry resources”. *Ecological Economics*, 90 (2013) 132–139.
- Cardenas J.C. and J. Carpenter (2013) “Risk attitudes and economic well-being in Latin America”. *Journal of Development Economics*, Volume 103, July 2013, Pages 52–61, <http://dx.doi.org/10.1016/j.jdeveco.2013.01.008>
- Siren, Anders, J.C. Cardenas, Peter Hambäck and Kalle Parvinen (2013) “Distance friction and the cost of hunting in tropical forest”. *Land Economics* August 1, 2013 vol. 89 no. 3 558-574.
- Janssen, M.A.; François Bousquet; Juan-Camilo Cardenas; Daniel Castillo; Kobchai Worrapimphong (2012). "Field Experiments on Irrigation Dilemmas". *Agricultural Systems*, 109. pp. 65-75.
- Henrich, J., R. Boyd, R. McElreath, M. Gurven, P.J. Richerson, J. Ensminger, M. Alvard, A. Barr, C. Barrett, A. Bolyanatz, C. Camerer, J-C. Cardenas, E. Fehr, H. M. Gintis, F. Gil-White, E. Gwako, N. Henrich, K. Hill, C. Lesorogol, J. Patton, F. Marlowe, D. Tracer, J. Ziker (2012) “Culture does account for variation in game behavior” *PNAS* January 10, 2012 vol. 109 no. 2 E32-E33
- Attanasio, O., A. Barr, J.C. Cardenas, G. Genicot and C. Meghir (2012) “Risk Pooling, Risk Preferences, and Social Networks”, forthcoming in *American Economic Journal: Applied Economics*, 4(2), 134-67
- Cárdenas, J.-C., Anna Dreber, Emma von Essen and Eva Ranehill (2011). “Gender differences in competitiveness and risk taking: Comparing children in Colombia and Sweden”. *Journal of Economic Behavior and Organization* (2011), doi:10.1016/j.jebo.2011.06.008
- [Carpenter, J. and J.C. Cardenas \(2011\) “An Intercultural Examination of Cooperation in the Commons”. \*Journal of Conflict Resolution\* 55\(4\): 632-651 \(2011\).](#)
- Anderies, John M., Marco A. Janssen, François Bousquet, Juan-Camilo Cardenas, Daniel Castillo, Maria-Claudio Lopez, Robert Tobias, Björn Volla, Amber Wutich (2011) “The challenge of understanding decisions in experimental studies of common pool resource governance”. *Ecological Economics*. Volume 70, Issue 9: 1571-1579.
- Janssen, Marco, John M. Anderies, Juan-Camilo Cardenas (2011) “Head-enders as stationary bandits in asymmetric commons: Comparing irrigation experiments in the laboratory and the field”. *Ecological Economics*. Volume 70, Issue 9: 1590-1598.

- Castillo, Daniel , François Bousquet, Marco A. Janssen, Kobchai Worrapiumphong, Juan Camillo Cardenas (2011). "Context matters to explain field experiments: Results from Colombian and Thai fishing villages". *Ecological Economics*. Volume 70, Issue 9: 1609-1620.
- Cardenas, J.C. "Social norms and behavior in the local commons as seen through the lens of field experiments". "*Environmental and Resource Economics*". Volume 48, Issue 3 (2011), Page 451-485.
- Cardenas, Juan Camilo & Rodriguez, Luz Angela & Johnson, Nancy, 2011. "Collective action for watershed management: field experiments in Colombia and Kenya," *Environment and Development Economics*, Cambridge University Press, vol. 16(03), pages 275-303, June.
- Henrich, J., Ensminger, J., McElreath, R., Barr, A., Barrett, C., Bolyanatz, A., Cardenas, J. C., Gurven, M., Gwako, E., Henrich, N., Lesorogol, C., Marlowe, F., Tracer, D., Ziker, J. (2010) Evolution of Fairness (Reply). *Science*, 329, 388-390
- Henrich, J., Ensminger, J., McElreath, R., Barr, A., Barrett, C., Bolyanatz, A., Cardenas, J. C., Gurven, M., Gwako, E., Henrich, N., Lesorogol, C., Marlowe, F., Tracer, D., Ziker, J. (2010) Markets, Religion, Community Size, and the Evolution of Fairness and Punishment. *Science*, 327, 1480-1484.
- Cardenas J.C. and Rajiv Sethi (2010) "Resource Allocation in Public Agencies: Experimental Evidence", *Journal of Public Economic Theory*, Volume 12, Issue 4, pages 815–836, August 2010.
- Cardenas J.C. (2009) "Experiments in Environment and Development ". *Annual Review of Resource Economics*, Vol. 1: 157-182. October, 2009
- Cardenas J.C. , H. Ñopo and A.Chong. "To What Extent Do Latin Americans Trust, Reciprocate, and Cooperate? Evidence from Experiments in Six Latin American Countries". *Economia*, Volume 9, Number 2, Spring 2009. Journal of the Latin American and Caribbean Economics Association.
- Frank W. Marlowe, J. C.Berbesque, A. Barr, C.Barrett, A.Bolyanatz, J.C.Cardenas, J.Ensminger, M.Gurven, E.Gwako, J.Henrich, N.Henrich, C.Lesorogol, R.McElreath, and David Tracer (2008) "More 'altruistic' punishment in larger societies". *Proceedings of the Royal Society B* (2008) 275, 587–590
- Rodríguez-Sickert, Carlos, Ricardo Andrés Guzmán , Juan Camilo Cárdenas (2008) "Institutions influence preferences: evidence from a common pool resource experiment". *Journal of Economic Behavior and Organization*. Volume 67, Issue 1, July 2008: 215-227.
- with Jeffrey Carpenter (2008) "Behavioural Development Economics: lessons from field labs in the developing world". *Journal of Development Studies*. Vol. 44, No. 3 (March 2008): 337-364.
- Henrich, Joseph, Richard McElreath, Abigail Barr, Jean Ensminger, Clark Barrett, Alexander Bolyanatz, Juan Camilo Cardenas, Michael Gurven, Edwins Gwako, Natalie Henrich, Carolyn Lesorogol, Frank Marlowe, David Tracer and John Ziker (2006) "Costly punishment across human societies". *Science* 23 June 2006: 1767-1770.
- Sirén, A. H., J. C. Cardenas, and J. D. Machoa. 2006. The relation between income and hunting in tropical forests: an economic experiment in the field. *Ecology and Society* 11(1): 44. [online] URL: <http://www.ecologyandsociety.org/vol11/iss1/art44/>



- Cardenas, Juan Camilo (2005) “Local Commons and Cross-effects of Population and Inequality on the Local Provision of Environmental Services”. *Lecturas de Economía*, Vol. 62, January-june 2005: 75-121. Universidad de Antioquia, Medellín.
- Cardenas, J-C, and Elinor Ostrom “What do people bring into the game? experiments in the field about cooperation in the commons”, *Agricultural Systems*, 2004, Vol 82/3 pp 307-326.
- Cardenas, Juan Camilo (2004) “Norms from Outside and from Inside: An Experimental Analysis on the Governance of Local Ecosystems”. *Forest Policy and Economics*, 6 (2004): 229-241. Elsevier Press.
- Murphy, James J. and Juan Camilo Cardenas, (2004) "An Experiment on Enforcement Strategies for Managing a Local Environmental Resource ". *Journal of Economic Education*. Volume 35, No. 1, Winter 2004.
- Cardenas, Juan Camilo, Diana Lucía Maya y María 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*, Universidad Javeriana, No. 50. 200
- Cardenas, Juan Camilo (2003) "Real Wealth and Experimental Cooperation: Evidence from Field Experiments". *Journal of Development Economics*. Vol. 70(2):263-289.  
Cited in the World Development Report 2006
- Cardenas, Juan Camilo, John K. Stranlund, Cleve E. Willis (2002) "Economic inequality and burden-sharing in the provision of local environmental quality". *Ecological Economics*. Volume 40, (2002): 379-395. Elsevier Press.
- Cardenas, Juan Camilo (2000). "How Do Groups Solve Local Commons Dilemmas? Lessons from Experimental Economics in the Field". *Environment, Development and Sustainability*, Vol. 2, Nos. 3-4: 305-322. Kluwer Academic Publishers. 2000.
- Cardenas, Juan Camilo, John K. Stranlund and Cleve E. Willis (2000) "Local Environmental Control and Institutional Crowding-out". *World Development*, October, Vol 28, No. 10. pp. 1719-1733.

### Book Chapters:

- Cardenas, J.C. (2017) “Governance of Renewable Resources: Insights from Game Theory”. In: Giraldeau et al eds. *Investors and Exploiters in Ecology and Economics Principles and Applications*, MIT Press. 1: 97 - 115.
- Cardenas, J.C. (2016) “From conventional economics to complexity in social dilemmas: lessons from CPR experiments in the lab and the field”. *Handbook of Ecological Economics*. Elsevier.
- Cardenas J, Alpizar F. (2016) “*Field Experiments and Development Economics*”. Experimental Economics Volume II: Economic Applications (ISBN 978-1-137-53815-4) pp. 182-196. Palgrave Macmillan
- Cardenas J. (2014) “*De la economía convencional a la complejidad en el comportamiento individual y agregado en los dilemas sociales*”. Las rutas de la complejidad (ISBN 978-956-9478-00-0) pp. 111-142. Ediciones Instituto de Sistemas Complejos de Valparaíso

- Cardenas, J.C. “Social Preferences Among the People of Sanquianga in Colombia”. In Ensminger & Henrich (eds) (2014) “Experimenting with Social Norms: Fairness and Punishment in Cross-Cultural Perspective”. Russell Sage Foundation. 978-0-87154-500-8.
- Cardenas, J.C. (2013) “Experimentos economicos desde la perspectiva del trabajo de campo “. En Casas-Casas, A. Méndez, N. (Eds.) Experimentos en ciencias sociales: Usos, métodos y aplicaciones. Pontificia Universidad Javeriana- Semillero de Conducta Humana y Política. Bogotá: Editorial Javeriana.
- Alpizar, F. y J.C. Cárdenas. 2011. Experimentos de Campo y Economía del Desarrollo. En: Brañas-Garza, P. (Editor), 2011. Economía Experimental y del Comportamiento. Editorial Antoni Bosch, Barcelona.
- Cárdenas, J.C. “Bringing the Lab to the Field: More than Changing Subjects”. En La Voluntad Indómita: Fundamentos Teóricos De La Acción Colectiva. Editores: Roddy Brett y Freddy Cante. Editorial: Universidad del Rosario. ISBN: 9789587382310
- Cardenas, J.C, M.A. Janssen, and F. Bousquet, Dynamics of Rules and Resources: Three New Field Experiments on Water, Forests and Fisheries, Handbook on Experimental Economics and the Environment, edited by John List and Michael Price. Edward Elgar Press.
- Calónico, Sebastián, Natalia Candelo, Juan-Camilo Cárdenas, Alberto Chong, Hugo Ñopo, and Sandra Polanía. “*To What Extent Do Latin Americans Trust and Cooperate? Field Experiments on Social Exclusion in Six Latin American Countries*”. Chapter 7 in “Outsiders? The Changing Patterns of Exclusion in Latin America and the Caribbean”. IADB and DRCLAS Harvard.
- “Wealth Inequality and Overexploitation of the Commons: Field Experiments in Colombia”. In Jean-Marie Baland, Pranab Bardhan and Samuel Bowles, editors. (2007) “Inequality, Cooperation, and Environmental Sustainability”. Princeton University Press.
- with Elinor Ostrom. “How Norms Help Reduce The Tragedy Of The Commons: A Multi-Layer Framework For Analyzing Field Experiments”. In “Norms and the Law”, edited by John N. Drobak, Cambridge University Press. 1st edition (July 24, 2006). ISBN: 0521680794.
- “Overcoming Asymmetries In The Commons With Sub Optimal Strategies: An Experimental Exploration In The Field”. In “Environment, Inequality and Collective Action”. Routledge Siena Studies in Political Economy) by Marcello Basili (Editor), Maurizio Franzini (Editor), Allesandro Vercelli (Editor). ISBN: 9780415342346
- "Groups, Commons and Regulations: Experiments with Villagers and Students in Colombia". in “Psychology, Rationality and Economic Behaviour: Challenging Standard Assumptions” (International Economics Association). Bina Agarwal and Alessandro Vercelli (Eds). ISBN 1-4039-4253-6
- with Jeffrey Carpenter (2005) “Three Themes on Field Experiments and Economic Development”. In J. Carpenter, G.W. Harrison and J.A. List (eds.), “Field Experiments in Economics” (Greenwich, CT: JAI Press, Research in Experimental Economics, Volume 10, 2005).
- Cardenas, Juan-Camilo, T. K. Ahn, and Elinor Ostrom. (2004). “Communication and Cooperation in a Common-Pool Resource Dilemma: A Field Experiment.”, in “Advances in

Understanding Strategic Behaviour: Game Theory, Experiments, and Bounded Rationality: Essays in Honour of Werner Güth”, ed. Steffen Huck. New York: Palgrave.

- Cardenas, Juan-Camilo (2004) “Aproximaciones desde los sistemas complejos adaptativos al estudio de la nueva ruralidad”. En Perez, E. y Ma.A.Farah, editoras. "Desarrollo rural y nueva ruralidad en América Latina y la Unión Europea ". Centro de Cooperación Internacional en Investigación Agronómica para el Desarrollo CIRAD (Francia). Departamento de Desarrollo Rural y Regional - Facultad de Estudios Ambientales y rurales - Pontificia Universidad Javeriana. Bogotá, septiembre de 2004.
- Cardenas, Juan Camilo (Fall 2002) "Rethinking Local Commons Dilemmas: Lessons from Experimental Economics in the Field". Chapter 10. In Jonathan Isham, Thomas Kelly and Sunder Ramaswamy, Editors. "Social Capital and Economic Development: Well-Being in Developing Countries" Edward Elgar Publishing. Fall 2002.
- Cardenas, Juan Camilo (2001) "De los Dilemas Ambientales a los Dilemas Rurales: Viejas Preguntas y Nuevas Propuestas para un Análisis Institucional de lo Rural". En Perez, E. y Ma.A.Farah, editoras. “Memorias Seminario Internacional "LA NUEVA RURALIDAD EN AMERICA LATINA". Universidad Javeriana. Tomo I. ISBN 958-683-434-4.
- Cardenas, Juan Camilo, John K. Stranlund and Cleve E. Willis. (2001). "Should the State Regulate the Local Commons? Lessons from Economic Experiments in the Field." In Integrated Conservation and Development in Tropical America: Experiences and Lessons in Linking Communities, Projects, and Policies, Robert E. Rhoades and Jody Stallings (Eds.). SANREM CRSP, Athens, Georgia and CARE SUBIR, Ecuador.
- Cardenas, Juan Camilo, (1995). "Descentralización e Instrumentos Económicos De Gestión Local De Recursos Naturales: El Caso Colombiano". En Rafael S. Herz (Editor) "Uso de Instrumentos Económicos en la Política Ambiental". Serie Problemas de Desarrollo. Fundación Konrad Adenauer - IPD-Universidad Javeriana. Bogotá, 1995.
- \_\_\_\_\_ "Capital Natural, Instituciones Agrarias y Agroecosistemas en Zonas Campesinas Andinas: Evidencia Empírica de sus Efectos en la Degradación Ambiental". Memorias Seminario-taller internacional: "El desarrollo rural en America Latina hacia el siglo XXI". Junio, 1994. Universidad Javeriana.

#### **Other publications:**

- Cárdenas, Juan Camilo ; Jorge Luis Castañeda; Daniel Castillo Brieva; Carolina Laverde; María Fernanda Pereira; Luz Ángela Rodríguez. (2013) "*Métodos complementarios para la Valoración de la Biodiversidad: una aproximación interdisciplinar*". Instituto Alexander von Humboldt y Uniandes. Bogotá. ISBN 978-958-8343-82-2
- Cardenas, J.C. “Being a student of Elinor Ostrom”, *Transnational Corporations Review* Vol. 2, No. 2, (2010)
- Cardenas, J.C. y Pablo Ramos (2006) "*Manual de juegos económicos para el análisis del uso colectivo de los recursos naturales*". Centro Internacional de la Papa, Lima. Proyecto Regional Cuencas Andinas CONDESAN – GTZ. ISBN 92-9060-272-4.

- Cardenas, Juan Camilo (2004) "Regulaciones y Normas en lo Público y lo Colectivo: Exploraciones desde el Laboratorio Económico". *Coyuntura Economica*, Segundo Semestre 2004, Vol. XXXIV No. 2: 149-179. Fedesarrollo.
- Candelo, Carmen, J.C.Cardenas, J.E.Correa, M.C.Lopez, D.L.Maya, A.M.Roldan (2003) *"Juegos Económicos y Diagnóstico Rural Participativo: Un Manual con Ejemplos de Aplicación para la Cooperación"*. Universidad Javeriana ISBN 958-683-599-5. Bogotá.
- Cardenas, Juan Camilo (2002) "Contradictions and Challenges for Polycentricity and Self-Governance: The Problem of Authority and Inequality in Colombia.". *POLYCENTRIC CIRCLES*, Vol 8, No. 2, July, 2002. Newsletter of the Workshop in Political Theory and Policy Analysis, Indiana University. Available at: <http://www.indiana.edu/~workshop/publications/newsletter/newsletters.html>
- Cardenas, Juan Camilo (2001) "El Sistema Nacional Ambiental (SINA) desde la perspectiva del Policentrismo y el Neoinstitucionalismo". *Revista Javeriana*. No. 674, Tomo 136, Mayo 2001.
- \_\_\_\_\_ "Le Confiamos La Biodiversidad Al Mercado, Al Estado, o a La Comunidad?". *Ambiente y Desarrollo*. No. 8. IDEADE, Universidad Javeriana. 2001.
- \_\_\_\_\_ "Elementos Teóricos y de Campo para una Caja de Herramientas Llamada Teoría de Juegos". *The Common Property Resource Digest*. No. 55. December 2000., pp.11.
- \_\_\_\_\_ "Learning from the Periphery: Reflections on the Initiative to Regionalize the IASCP". *The Common Property Resource Digest*. No. 52. March 2000.
- Cardenas, Juan Camilo (1998). "Malthus Revisited: People, Population and the Village Commons in Colombia". Gatekeeper Series No. 76. International Institute for Environment and Development IIED. London, UK.
- \_\_\_\_\_ "DESCENTRALIZACION Y AMBIENTE: Construcción de Capacidad Municipal para la Gestión Ambiental Local en Colombia". *Revista NOMADAS* - Depto. Investigaciones Universidad Central. Bogotá, 1995.

#### MAJOR INVITED LECTURES:

Plenary speaker at the International Association for the Commons, IASC Global conference, Utrecht, July, 2017.

Workshop "behavioral economic games and experimental tools to address collective action issues with respect to common property resources in tropical forests". University of Florida Gainesville, Nov.16&18, 2015.

Plenary Panel "Human behavior and the use of experiments to understand the agricultural, resource and environmental challenges of the XXI century". 29th International Conference of Agricultural Economists ICAE , Milan Agosto 29, 2015

Plenary speaker. International Conference of the Courant Research Centre Poverty, Equity, and Growth in Developing and Transition Countries and the Ibero-America Institute of Economic Research July 2 - 4, 2014, University of Göttingen, Germany.

Plenary Speaker, The London Experimental Workshop, Middlesex University London, May 12-15, 2014.

Plenary speaker. 2nd Antigua Experimental Economics Workshop & Conference. Antigua, Guatemala, February 20-22, 2014

Plenary speaker. Ninth International Meeting on Experimental and Behavioral Economics (IMEBE). Madrid. April 11-13, 2013.

Plenary speaker. Alhambra Experimental Workshop, Universidad de Granada, Granada, Spain, October 13-14, 2011.

Conferencistas nacional. "El valor del agua y el reto para su manejo desde la comunidad". Encuentro internacional Agua y Economía. Banco de la República. Bogotá, 6 y 7 de Octubre, 2011.

Plenary speaker. "Remixes in the field lab: Adding complexities to economic experiments". French Experimental Economics Association. Annual Meeting, May 19-21, 2011. Schoelcher - Martinique, France. Also presented at the Economics Department seminar, Florida State University, Dec.9.2011.

"Teoría de Juegos y Métodos Experimentales para el Estudio de los Dilemas Sociales". Lección Inaugural Departamento de Ciencia Política EAFIT, Medellín, Febrero 4, 2011.

"Cooperación y competencia en la economía de la biodiversidad" Año Internacional de la Biodiversidad. Abril 8, 2010. Biblioteca Luis Angel Arango. Bogotá.

"Cooperación" TEDx Bogotá. Diciembre 4, 2009. <http://www.ted.com/tedx/events/337>.

"Sustainability as Cooperation , Field as Lab". Robert F. Kennedy Lecture. David Rockefeller Center of Latin American Studies, Harvard University. December 8, 2008. CGIS South Building, Cambridge, MA.

"Comportamiento Pro-social: 10 Años de Experimentos Económicos en Colombia". Cátedra Colombiana de Psicología Mercedes Rodrigo. Septiembre 29, 2007, Universidad de Los Andes.

## ACADEMIC CONFERENCES:

"Vertical Collective Action and the Distributive Challenges of Cooperation: Experiments in the Developing World". Presented at the Development Seminar, Namur. Dec.3.2012; Presented at the Development Seminar, Paris School of Economics, Dec.5.2012; Presented at the development/behavior seminar Toulouse , Dec.6.2012.

"Cooperation, Adaptation and the Emerging of Social Norms in Common-Pool Resources: Theory, Simulations and Field Experiments". Presented at the Resource Economics Department Seminar, University of Massachusetts Amherst, Oct.12, 2012

"Preferencias sociales y justicia distributiva en la formación de instituciones: Una aproximación desde los micro-fundamentos". Seminario Nuevas Perspectivas sobre la Violencia en Colombia. Mayo 28-29, 2012. Bogotá. Universidad de Los Andes.

- "Adapting the Laboratory Strategy to the Complexities of the Field: Innovative but Risky Experimental Designs". Experiments for Export? Behavioral Experiments in Latin America. April 20, 2012. Atlanta, USA.
- "Métodos experimentales y el estudio de sistemas complejos". Escuela de Verano en Sistemas Complejos, Valparaiso, Enero 23-27, 2012. Instituto de Sistemas Complejos de Valparaiso y Universidad del Desarrollo. Chile.
- "Risk Attitudes and Well-Being in Latin America". American Economic Association Meetings. Panel "Preferences of the Poor: Field Experiments (C9)". Jan 09, 2011, Denver, USA.
- "Collective Action in Watersheds: field experiments about vertical cooperation in Kenya, Thailand and Colombia" CBESS seminar University of East Anglia, Economics Department. 8 June at 4pm. Norwich, UK.
- "Cooperación y Competencia en la Economía de la Biodiversidad". Conferencia Anual Instituto Alexander von Humboldt, Colombia. Abril 8, 2010. Biblioteca Luis Angel Arango. Bogotá.
- LACEA Medellin 2010 panel session organizer "How Experiments can Inform Policies and How Policies can Inform Experiments". Panel presentation: "Collective action in watersheds and the challenges for public policy. LACEA Medellin 2010, November 2010.
- "Vertical Collective Action: Field Experiments on Watershed Management in Kenya, Thailand and Colombia". Tuesday, December 2, 2008, Kennedy School of Government, Perkins Room, Rubenstein Building 415, Harvard University, Cambridge, MA..
- "Experiments on Cooperation in Large Groups and the role of Social Networks". Cooperation Group seminar. Berkman Center for Internet and Society. Harvard University, Cambridge, MA. Fall, 2008.
- "Trust and Collective Action in Latin America: Field Experiments in Bogota, Buenos Aires, Caracas, Lima, Montevideo and San Jose". November 3, 2008. Economics Seminar, University of Massachusetts, Amherst, MA.
- "Dynamics of Rules and Resources: Three New Field Experiments on Water, Forests and Fisheries". Friday, Oct 17, 2008. Resource Economics Seminar, University of Massachusetts, Amherst
- "Vertical Collective Action: Field Experiments on Watershed Management in Kenya, Thailand and Colombia," Wednesday, October 22, 4:00 pm, 368A Heady Hall. W. Arthur Memorial Lecture, Iowa State University, Economics Department
- "Searching for the Micro-Foundations of Self-Governance in Latin America: Field Experiments in Bogotá, Buenos Aires, Caracas, Lima, Montevideo, and San José". September 30, 2008. CGIS South Building, 1730 Cambridge St., Room S-250. Tuesday Seminar on Latin American Affairs, Harvard University
- "Three new games about the commons: introducing ecological dynamics into field experiments". Seminar at Maastricht University, May 28, 2008. Maastricht, The Neatherlands.
- "Property rights and collective action" workshop CSF-RFF Moore Foundation, San Francisco, January 29-Feb.2, 2008
- "Acción colectiva y servicios ecosistémicos". Workshop taught in Quito, Ecuador at the Academia Andino-Amazónica sobre Financiamiento Ambiental. Quito, Nov.16, 2007.
- "Measuring Social Capital using Experimental Games" Juan Camilo Cárdenas, Universidad de los Andes, Abigail Barr, Oxford University, Konstantinos Meghir, University College London, David Phillips, Institute for Fiscal Studies and Orazio Attanasio, University College London. Presented at the Latin American Economics Association (LACEA) 12TH ANNUAL MEETING held in Bogotá - Colombia, October 4-6, 2007.

- "Basic Experimental Results Measuring Trust, Trustworthiness and Pro-Sociality in Six Latin American Cities". Juan Camilo Cárdenas, Universidad de los Andes, Hugo Ñopo, IADB and Alberto Chong, Inter-American Development Bank. Presented at the Latin American Economics Association (LACEA) 12TH ANNUAL MEETING held in Bogotá - Colombia, October 4-6, 2007.
- "Discrimination in the Provision of Social Services to the Poor: A field Experimental Study". Juan Camilo Cárdenas, Universidad de los Andes, Rajiv Sethi, Barnard College, Columbia University, Alejandro Gaviria, Universidad de Los Andes, Natalia Candelo, Universidad de los Andes and Sandra Polanía, Universidad de Los Andes. Presented at the Latin American Economics Association (LACEA) 12TH ANNUAL MEETING held in Bogotá - Colombia, October 4-6, 2007.
- "Lessons from the Campus Lab and the Field Lab" Presented at the workshop MEASURING PREFERENCES IN A SOCIAL CONTEXT, Center for Behavioral and Experimental Economic Science CBEES University of Texas at Dallas on May 4 and 5, 2007. <http://cbees.utdallas.edu/>
- "Experimentos Económicos y Aprendizaje Interactivo en Economía: Una Propuesta para Microeconomía". Presentado en XII Encuentro de Decanos de Facultades, Directores de Programa y Jefes del Departamento de Economía, "Enseñanzas y experiencias pedagógicas: La formación del Economista en el siglo XXI", Universidad del Norte, Barranquilla, 28 -30 de Marzo, 2007.
- "Discrimination In The Provision Of Social Services To The Poor (PSSP) A Field Experimental Study In Colombia". Presented at the "Discrimination and Economic Outcomes" Latin American Research Network, IADB, Mexico. Oct. 31.2006
- "Using economic field experiments to shed light on development issues". Panel presented with Jeffrey Carpenter and Duncan Thomas at the LACEA (Latin American Economics Association) meetings, Mexico, Nov.4.2006
- "Experiments On Cooperation In Large Groups And The Role Of Social Networks" . Presented At The International Fellows Global Meeting. International Program, The Santa Fe Institute, Santa Fe, Nm, USA, Sept. 17-19, 2006
- "Discriminación en la Provisión de Servicios Sociales a los mas Pobres". Presentado en el IV Simposio Nacional de Microeconomía, Universidad Nacional de Colombia y Universidad Externado de Colombia, Bogotá, 2 – 4 de agosto de 2006.
- "Acción Colectiva Vertical: Experimentos En Campo Sobre La Cooperación En El Manejo Del Agua Y Las Cuencas", " Seminario "LA ACCIÓN COLECTIVA EN LOS RECURSOS DE USO COMÚN". U.JAVERIANA, U.MASSACHUSETTS. Bogotá, August 15-17, 2006.
- "The Dynamics of Rules in Commons Dilemmas", with Marco Janssen and Francois Bousquet. Santa Fe Institute Seminar. Santa Fe, New Mexico. Medium Conference Room. The Santa Fe Institute. July 12, 2006.
- "Discrimination In The Provision Of Social Services To The Poor (PSSP) A Field Experimental Study In Colombia". Discussion Seminar "DISCRIMINATION AND ECONOMIC OUTCOMES". Inter-American Development Bank. Washington. June 12-13, 2006.
- "Discrimination In The Provision Of Social Services To The Poor (PSSP) A Field Experimental Study In Colombia". ESA 2006 Annual International Meeting – Atlanta. June 8-11, 2006
- "Bringing the Lab to the Field: More Than Changing Subjects", en el panel "Using Experiments to Measure Cooperation, Charity, and Trust in the Field". Annual Meeting American Economic Association: "Expanding The Frontiers Of Economics", Philadelphia, Pa, January 7-9, 2005
- "Experiments in the Field on Wealth and Inequalities in Self-Governed Solutions to the Commons Dilemmas". Evento: Social Dynamics Working Group (The SantaFe Institute, University of Cape Town), Cape Town, South Africa,

January 13-16, 2005

- “Economía experimental para el análisis de la acción colectiva en el manejo de los recursos naturales”. Evento: “Experiencias y Métodos de Manejo de Cuencas y su Contribución al Desarrollo Rural de Los Andes”. CONDESAN, Universidad Javeriana, Bogota, 8-10 noviembre, 2004
- “Experimental Development Economics: A Review of the Literature and Ideas for Enriching the Two Fields” (Juan-Camilo Cardenas, Jeffrey Carpenter). Evento: “2004 North American Regional Meeting, Economic Science Association”. Tucson, AZ, November 4-7, 2004
- “Norms from Inside and from Outside: An experimental analysis on the governance of local ecosystems” presentado en la conferencia "International Conference on Economics of Sustainable Forest Management", Toronto, Mayo 20-22, 2004. [http://www.forestry.utoronto.ca/socio\\_economic/icesfm/](http://www.forestry.utoronto.ca/socio_economic/icesfm/)
- "Experimental Economics and Participative Methodologies: Looking for Theoretical and Methodological bridges to Analyse Collective Action in Common-Use Resources Management". Paper presentado por coautora Ma.Claudia Lopez en "CONFERENCE ON EXPERIENCES OF COMBINING QUALITATIVE AND QUANTITATIVE METHODS IN POVERTY APPRAISAL" Toronto, Mayo 15-16, 2004 (<http://www.utoronto.ca/mcis/q2/index.htm>)
- Cardenas, Juan Camilo (2003) “En Vos Confio: an experimental exploration of the micro foundations of trust, reciprocity and social distance in Colombia”. Paper presented at the Economic Science Association North American Regional Meeting, Westward Look Resort, Tucson AZ, October 30-November 1, 2003; also presented at the Santa Fe Institute/Universidad Javeriana workshop on “Obstacles to Robust Negotiated Settlements of Civil Conflicts, Bogota, May, 2003
- 
- (2003) “Bringing the Lab to the Field: More Than Changing Subjects” Paper presented at the International Meeting of the Economic Science Association, Pittsburgh, June, 2003
- Cardenas, Juan Camilo and Jeffrey Carpenter (2003), “Three Themes on Field Experiments and Economic Development”. Presented at the Twenty-Fourth Annual Middlebury College Conference on Economic Issues: Field Experiments in Economics. April 26-27 2003. Middlebury College. Availabe at: [http://www.middlebury.edu/~econ/conference/conference\\_2003/index\\_2003.shtml](http://www.middlebury.edu/~econ/conference/conference_2003/index_2003.shtml)
- 
- (2002) “Governing Ourselves: Rules from the State and from the People”. Session IIA: Political Economy. Presented at the International Economics Association World Congress, Lisboa, Portugal, 9-13 September 2002. Also presented at the Economic Science Association International Meeting, Boston, June 29-July 3, 2002. Also presented at the Public Choice Society Meetings, San Diego, California, Marzo 22-24, 2002.
- 
- (2002) “Wealth Inequality and the Provision of Environmental Public Goods: Lessons from Economic Experiments in the Field”. Lecture presented at the XV Workshop on "Environment, Inequality, and Collective Action" International School, of Economic Research June 16-23, 2002 Siena, Italia. <http://www.econ-pol.unisi.it/iser.html/schedule15.htm>
- 
- Carpenter, Jeffrey and Juan Camilo Cardenas, (2002) “Using Cross-cultural Experiments To Understand The Dynamics Of A Global Commons”. Presented by Juan-Camilo Cardenas, Associate Professor at the School of Environmental. Colloquium Presentation - V691. Workshop in Political Theory and Policy Analysis. Marzo 18, 2002. <http://www.indiana.edu/~workshop>.
- 
- (2002) "Bringing The Experimental Lab To The Field: Methods And Lessons". Presented at the Workshop on Methodologies for Studying Collective Action: February 25-March 1, 2002, Abedare Country Club, Nyeri, Kenya. Sponsored by the System-wide Program for Collective Action and Property Rights (CAPRI). Co-hosted by International Centre for Research in Agroforestry (ICRAF), International Livestock Research Institute (ILRI). and Kenya Ministry of Agriculture and Rural Development.



- 
- (2002) “Sistemas Naturales y Sistemas Sociales: Lo Público, Lo Colectivo, Lo Ambiental”. Presented to the Diálogos Estratégicos de Colciencias: Medio Ambiente y Desarrollo y al Seminario Internacional “El Pensamiento de Largo Plazo y la Construcción de Futuros”. Colciencias, Febrero 11, 2002.
- 
- (2001) “Experimental Analysis” Presented to the The Ronald Coase Institute Workshop On Institutional Analysis. Rio De Janeiro, Brazil. December 13-14, 2001.
- 
- (2001) “Wealth Inequality and Overexploitation of the Commons: Field Experiments and Spatial Exercises in Colombia”. Presented to the 3rd Annual Global Development Conference, “Blending Local and Global Knowledge Sofitel Rio Palace Hotel”. Rio de Janeiro, Brazil, December 9–12, 2001.
- 
- “El SINA y la Gestión Local: Una Visión Micro de las Decisiones, las Instituciones y el Ordenamiento Territorial”. Ponencia presentada al 3er Conversatorio de Ordenamiento Territorial, Descentralización y Sistema Nacional Ambiental. Proyecto Ordenamiento Territorial, Medio Ambiente y Ciudadanía. FESCOL - Octubre, 25, 2001.
- Cardenas, Juan Camilo (2001) “Bringing the Lab to the Field: Lessons from Cross-Country and Rural Villages Experiments”. Presented at the SantaFe Institute Workshop: “New Developments in Behavioral, Institutional and Evolutionary Economics”, SantaFe, New Mexico, USA, Junio 15-19, 2001.
- Cardenas, Juan Camilo, John K. Stranlund, Cleve E. Willis (2001) “Economic Asymmetry and the Provision of Local Environmental Quality”. Paper presented at the Ninth International Conference on Social Dilemmas, Chicago, USA, June 29-July 3, 2001.
- 
- “Thinking Globally and Getting Others to Act Locally: Polycentricity and the Conservation of Biodiversity”. Presented to the 4th Toulouse Conference on Environment and Resource Economics: “Property Rights, Institutions and Management of Environmental and Natural Resources”. Toulouse, France, May 3-4, 2001.
- Juan Camilo Cardenas, John K. Stranlund and Cleve E. Willis. (2001). "Should the State Regulate the Local Commons? Lessons from Economic Experiments in the Field." In Integrated Conservation and Development in Tropical America: Experiences and Lessons in Linking Communities, Projects, and Policies, Robert E. Rhoades and Jody Stallings (Eds.). SANREM CRSP, Athens, Georgia and CARE SUBIR, Ecuador.
- Cardenas, Juan Camilo and Elinor Ostrom (2001) “What Do People Bring into the Game? How Norms Help Overcome the Tragedy of the Commons”. Presented at the “Norms and Law” seminar organized by the Center for Interdisciplinary Studies, School of Law, Washington University in St. Louis, March 29 to March 31, 2001.
- Cardenas, Juan Camilo (2000) "Real Wealth and Experimental Cooperation: Evidence from Field Experiments". First Place Medal in the Research Medals Competition at the Second Global Development Network Conference GDN2000 Tokyo, Japón, December 11-13, 2000. <http://www.gdnet.org/awards-shrtlist.htm> . Also presented to the Xth World Congress of the International Rural Sociology Association, Rio de Janeiro, Brazil, August, 2000; and presented to The 8th Biennial Conference of the International Association for the Study of Common Property (IASCP), Bloomington, IN, May 31- June 4, 2000.
- 
- “Teoría de Juegos Aplicada a Escenarios de Campo”. Ponencia presentada en el Seminario Internacional “Acción Colectiva y Recursos de Acceso Común”. Ciudad de México, Diciembre 6 y 7, 2000. El Colegio de Mexico, Universidad Autónoma de México.
- 
- “De los Dilemas Ambientales a los Dilemas Rurales: Viejas Preguntas y Nuevas Propuestas para un Análisis Institucional de lo Rural”. Presentado al Seminario Internacional "LA NUEVA RURALIDAD EN AMERICA LATINA". Universidad Javeriana, Bogotá, Agosto 22-24, 2000.
- Cardenas, Juan Camilo (2000) "Rethinking Local Commons Dilemmas: Lessons from Experimental Economics in the Field". Paper presented at the 21<sup>st</sup> Economic Conference “The Role of Social Capital in Determining Well-Being:

Implications for the Teaching and Practice of Development and Environmental Economics". Middlebury, April, 2000

---

"Real Wealth and Experimental Cooperation: Evidence from Field Experiments". Paper presented at the Public Choice Society/ESA Meetings, Charleston, SC, March 2000;  
Cardenas, Juan Camilo (1999). "Real Wealth and Experimental Cooperation: Evidence from Field Experiments" Presented at the Fall 1999 Colloquia, Workshop in Political Theory and Policy Analysis. Bloomington, Indiana University. November 29<sup>th</sup>, 1999.  
[Http://www.indiana.edu/~workshop/colloquia/fall1999\\_colloquia.html](http://www.indiana.edu/~workshop/colloquia/fall1999_colloquia.html)

---

"Incentivos Económicos: ¿Promueven O Limitan La Cooperación Local Para La Conservación Y Uso Sostenible De La Diversidad Biológica?". Conference Presented at the International Seminar "Incentivos a La Conservación Y Al Uso Sostenible de la Biodiversidad. Cajicá, Colombia. Noviembre 4-6, 1999.

---

"Effectiveness of Communication and Regulation in Local Commons Dilemmas: Some Evidence from Experiments in the Field". Presented at the International Conference "Operationalizing Integrated Conservation and Development Strategies: Lessons Learned Linking People, Protected Areas and Policies in Tropical America". Quito, Ecuador, May 12-14th, 1999.

Cardenas, Juan Camilo, John Stranlund and Cleve Willis (1998). "Effectiveness of Communication and Regulation in Local Commons: Some Evidence from Experiments in the Field". Paper Presented to the Economic Theory Workshop, Department of Economics, UMASS, Dec. 1998.

Cardenas, Juan Camilo (1997). " People, Population and the Environment: Thinking in Three Dimensions". Paper presented at the Latin America Regional Meeting on Population and the Environment - American Association for the Advancement of Science (AAAS). Merida, Mexico - April 23-25, 1997

IDEADE (1996) "SISGA - Sistema De Indicadores Para El Seguimiento De La Gestion Ambiental Instituto de Estudios Ambientales para el Desarrollo IDEADE. Pontificia Universidad Javeriana. Fondo FEN para la Protección del Medio Ambiente. Juan Camilo Cardenas - Investigador principal. Bogotá. Enero, 1996.

---

"Empirical Evidence of Ecological and Economic Factors Influencing the Environmental Degradation: the Case of the Tropical Andean Regions". Paper presented to the III Biannual Meeting of the International Society for Ecological Economics (ISEE). San Jose, Costa Rica, October 24-28, 1994.

## REFERENCES

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