

**Juan-Camilo Cárdenas**  
<http://ideas.repec.org/e/pca171.html>  
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Department of Economics  
University of Massachusetts Amherst  
Amherst, MA 01002 U.S.A.

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## BIOGRAPHICAL

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

## CURRENT ACADEMIC

**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 the common good. Applications of experimental economics in the field.

**Professor**  
**Economics Department**  
**University of Massachusetts Amherst**

**June 2021 - Present**

**Professor (on leave)**  
School of Economics, Universidad de los Andes, Bogotá, COLOMBIA

**EXTERNAL AFFILIATE FACULTY**  
OSTROM WORKSHOP IN POLITICAL THEORY AND POLICY ANALYSIS, INDIANA UNIVERSITY.

**ADJUNCT ASSOCIATE PROFESSOR**  
DEPARTMENT OF RESOURCE ECONOMICS, UNIVERSITY OF MASSACHUSETTS-AMHERST.

## EDUCATION

**Post-Doctoral:** **August 1999 - June 2000**  
**Indiana University - Bloomington, USA**  
**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** **Spring 2000**  
**University of Massachusetts - Amherst, USA**  
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** **Summer 1998**  
**Economic Science Laboratory**  
University of Arizona, Tucson  
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)

**Professor, University of Massachusetts – Amherst** 2021 - Present

**Professor Universidad de los Andes (on leave)** 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)

AWARDS AND SCHOLARSHIPS

- Finalist award to the best instructor in economics and business, Periódico Portafolio, Colombia  
<https://www.portafolio.co/negocios/premios-portafolio-edicion-2020-543961>
- Mención de Honor "Fundación Alejandro Angel Escobar" Science Prize in Environment and Sustainable Development 2018. Proyecto "Basic - Cartagena: Interacciones entre cuenca, mar y comunidades – ciencia para tomadores de decisión". Autores: Juan Darío Restrepo Ángel (Coordinador), Profesor Investigador de la Universidad EAFIT, Medellín, Juan Camilo Cárdenas Campo, Profesor Titular de la Universidad de Los Andes, Bogotá, D.C, y Doris Esther Gómez Camargo, Directora del Doctorado en Medicina Tropical de la Universidad de Cartagena.
- Rockefeller Foundation Bellagio Center Residency, 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 Bial 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):

- Associate Editor, International Review of Economics
- Associate Editor, Ecology and Society
- Associate Editor, Latin American Economic Journal.
- Guest editor for a Special Issue on “Collective action and the governance of the commons in Latin America”, Ecological Economics, December issue, 2015.
- 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/>, graduated 2013. Dissertation title: “Human Cooperation in the Lab and in the Field: Experimenting with Economics”.
- Santiago Gomez, Graduated 2018. Dissertation title: “Market Institutions and Social Life. Essays on Risk and Cooperative Behavior.” <https://sites.google.com/view/santiago-gomez-cardona/home>
- Ruth Guillén Salas, Graduated 2019. Dissertation title: “Three Essays on Dishonesty and Corruption”
- José David Lopez <https://sites.google.com/site/jodavidlopezr/>

Doctoral students at other universities:

- Adolfo Eslava, “Análisis institucionalista de atributos y capacidades de comunidad para la construcción de políticas públicas incluyentes. el caso del urbanismo social en Medellín 2004-2011”. Doctorado Estudios Políticos, Universidad Externado de Colombia. 2015.
- Co-chair with Roldan Muradian. Adriana Gaviria, INEQUALITY, EMOTIONS AND RECONCILIATION: EXPLORATORY LAB IN THE FIELD EXPERIMENT IN COLOMBIA. Graduate Program in Economics of the Universidade Federal Fluminense (UFF, Brasil). 2021

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

- Board, World Wildlife Fund WWF Colombia.
- Review Editor for IPBES (Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services)
- Board member, Beijer Institute of Ecological Economics (2018-2021) [http://www.beijer.kva.se/board\\_members.php](http://www.beijer.kva.se/board_members.php)
- Executive Committee, Economic Science Association (2018-2020)
- Consejo Directivo, Corpovisionarios. 2016-2020.

- 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)
  - ECONOMIC SCIENCE ASSOCIATION

## PUBLICATIONS AND PAPERS:

### Books:

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

### Selected peer-reviewed articles:

- Eriksson, Kimmo, et al. "Perceptions of the appropriate response to norm violation in 57 societies." *Nature communications* 12.1 (2021): 1-11.
- Vélez, M. A., Robalino, J., Cardenas, J. C., Paz, A., & Pacay, E. (2020). “Is collective titling enough to protect forests? Evidence from Afro-descendant communities in the Colombian Pacific region”. *World Development*, 128, 104837.
- Mantilla C, Sethi R, Cárdenas JC. (2020) Efficiency and stability of sampling equilibrium in public goods games. *Journal of Public Economic Theory*. 2018;1–16. <https://doi.org/10.1111/jpet.12351>
- Schill, C, J.Anderies, T.Lindahl, C.Folke, S.Polasky, J.C.Cárdenas, A.S.Crépin, M.Janssen, J.Norberg, M.Schlüter (2019) “A more dynamic understanding of human behaviour for the Anthropocene”. *Nature Sustainability*. 2019. <https://doi.org/10.1038/s41893-019-0419-7>
- Cárdenas, Juan-Camilo, Santiago Gómez, and César Mantilla. "Between-group competition enhances cooperation in resource appropriation games." *Ecological economics* 157 (2019): 17-26.
- Finkbeiner, E. M., Micheli, F., Saenz-Arroyo, A., Vazquez-Vera, L., Perafan, C. A., & Cárdenas, J. C. (2018). Local response to global uncertainty: Insights from experimental economics in small-scale fisheries. *Global Environmental Change*, 48, 151-157.

- 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*. 47(S1), 61-71
- 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
- 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

- Atanasio, O., A. Barr, J.C. Cardenas, G. Genicot and C. Meghir (2012) “Risk Pooling, Risk Preferences, and Social Networks”, *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 Vollan, 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 Worrapimphong, 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) 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, 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 (2003) "Real Wealth and Experimental Cooperation: Evidence from Field Experiments". *Journal of Development Economics*. Vol. 70(2):263-289.
- 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.

### Other publications:

- Cardenas J. (2020) "Commons". Chapter 31 in Kaltmeier, Tittor, Hawkins and Rohland (eds) (2020) "*The Routledge Handbook to the Political Economy and Governance of the Americas*" (ISBN 9780815352686) pp. 331-34'. Routledge Handbooks.
- Cardenas, J.C. (2019) "Paz como Tranquilidad", en Garcia-Villegas, "*Como Mejorar a Colombia: 25 ideas para reparar el futuro*". Editorial Ariel.
- Cardenas, J.C. "(Real) behavior meets (real) institutions: towards a research agenda on the study of the commons". Chapter 13 in In Ménard, C., & Shirley, M. M. (2018). *A Research Agenda for New Institutional Economics*. Edward Elgar Publishing.
- Wutich, A., Cardenas, J. C., Lele, S., Pahl-Wostl, C., Rauschmayer, F., Schleyer, C., ... & Zwartveen, M. (2019). Opportunities and Challenges for Inclusively Framing Water Research. *Rethinking Environmentalism: Linking Justice, Sustainability, and Diversity*, 23, 251.
- Rettberg B, Lignarolo C, Prieto J, Leiteritz R, Ortiz J, Cardenas J, Quiroga D. (2018) ¿Diferentes recursos, conflictos diferentes? *La economía política regional del conflicto armado y la criminalidad en Colombia*. Ediciones Uniandes. (ISBN 978-958-774-679-2) Colombia.
- Cardenas, J. C. (2017). "Behavioural economics: Cash incentives avert deforestation." *Nature Clim. Change* 7(10): 688-689. (News & Views)
- Cardenas, J.C. (2017) "Governance of Renewable Resources: Insights from Game Theory". In: Giraldeau e.t. 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
- 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.
- 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 Valparaiso
- 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. "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.
- 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.
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- 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. Bogota, 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.

#### **Non peer-reviewed publications:**

- Cárdenas, J.C. & Rajiv Sethi. "Elinor Ostrom: Fighting the Tragedy of the Commons". Books&Ideas. <http://www.booksandideas.net/Elinor-Ostrom-Fighting-the-Tragedy-of-the-Commons.html>. Francés: <http://www.laviedesidees.fr/Elinor-Ostrom-par-dela-la-tragedie-des-communs.html>
- 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 Económica*, 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.

## MAJOR INVITED LECTURES:

Keynote Speaker, North American Economics Science Association, Antigua, October, 2018.

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.

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.

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“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.

## POPULAR WRITING:

- Foco Económico (A blog on Economics and Policy for Latin America): <https://focoeconomico.org/author/jcardenas/>