

ALLEN BLACKMAN

Inter-American Development Bank
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POSITIONS

Inter-American Development Bank. Washington, DC
Principal Economic Advisor, Climate Change and Sustainable Development Sector.
2017-present.

Resources for the Future. Washington, DC
Nonresident Fellow. 2017-present.
Senior Fellow. 2006-2017.
Thomas Klutznick Chair. 2013-2015.
Fellow with Indefinite Appointment (tenure). 2000-2006.
Fellow. 1993-2000.

Environment for Development (EfD) Initiative
Co-director. EfD Forest Collaborative. 2016-present.
Director. RFF EfD program. 2013-2017.
Member. EfD Management Board. 2013-2017.
Senior Research Fellow. 2008-present.
Resident Advisor, EfD-Central America, Centro Agronómico Tropical de Investigación y Enseñanza (CATIE). Turrialba, Costa Rica. 2008-2009.

Georgetown University Public Policy Institute. Washington, DC
Adjunct Associate Professor. Fall 2010.
Adjunct Assistant Professor. Fall 2003.

University of California San Diego, Center for U.S.-Mexican Studies
Visiting Research Fellow. Fall and winter quarters 2001-2002.

University of Texas at Austin, Department of Economics
Assistant Instructor. 1990-1993.
Teaching Assistant. 1988-1990.

Partnership for Productivity International, Fada N'Gourma, Burkina Faso
and Washington, DC
Program Assistant. 1986-1987.

Hogan and Hartson, Washington, DC
Litigation Paralegal. 1983-1985.

EDUCATION

University of Texas at Austin, Ph.D. Economics, September 1993.

University of Pennsylvania, B.A. *Cum Laude* Political Science and International Relations, May 1983.

PROFESSIONAL SERVICE

Editorial

Associate Editor. *Environment and Development Economics*. 2015-present.

Associate Editor. *Latin American Economic Review*. 2015-present.

Guest Editor. *World Development*. Special issue on “Forest Governance Decentralization and Devolution” 2018-present.

Handling Editor. *Conservation Biology*. 2011, 2013

Guest Editor. *Resources*. Special issue on “Balancing Economic and Environmental Progress in Developing Countries.” 2012.

Editorial Board. *Business and Society*. 2008–present.

Editorial Board. *Open Environmental Sciences*. 2007–2017.

Advisory

Scientific Committee. Latin America and Caribbean Environmental Economics Program (LACEEP). 2005–present.

Steering Committee. Forests and Livelihoods: Assessments, Research and Engagement (FLARE) network. 2015-present.

Management Board. Environment for Development (EfD) Initiative. 2013-2017.

Advisory Network. Value and Impact Analysis (VIA) initiative on measuring impacts of Forest Stewardship Council certification. 2017-2018.

Technical Advisory Group. Value and Impact Analysis (VIA) initiative on measuring impacts of Forest Stewardship Council certification. 2016-2017.

Advisory Board. Northeastern Agricultural and Resource Economics Association (NAREEA) 2017 workshop on “Climate Change Impacts and Land Conservation.” 2016-2017.

Member. AidData Research Consortium. 2016-present.

National Aeronautics and Space Administration (NASA) Biodiversity and Ecological Forecasting Team. 2013–2016.

National Aeronautics and Space Administration (NASA) SERVIR Applied Sciences Team. 2012–2016.

External Reviewer. World Bank. Analysis of the Environmental Impacts of Development Policy Operations. 2015.

Advisory Committee. World Wildlife Federation, Forest Stewardship Council Impact Evaluation. 2014-2015.

Advisory Committee. InterAmerican Development Bank, BIO Program. 2013–2017.

External Academic Review Committee. Johns Hopkins University, School for Advanced International Studies, Energy and Environment Program. 2013

Peer Reviewer. World Bank, Green Growth, Firm Competitiveness, and Pollution Management: A Sourcebook. 2011.

Steering Committee. Commission for Environmental Cooperation, Evaluation of Greening the Supply Chains Project. 2008.

Program committees

Association of Environmental and Resource Economists annual meetings
2011–present

European Association of Env. and Resource Economists annual meetings
2011–present
2008–2009

World Congress of Environmental and Resource Economists
2010, 2014

American Agricultural Economics Association annual meetings
2004–2006

Asociación Latinoamericana y del Caribe de Economistas Ambientales y Recursos Naturales annual meetings
2008

Conference on Business, Environment, International Competitiveness, and Sustainable Development of the Asia Pacific Economies. December 3 and 4. Bandar Sunway, Selangor, Malaysia. 2007.

Thesis committees

Jorge Bonilla Londoño. “Essays on the Economics of Air Quality Control.” Ph.D. Thesis, Department of Economics, University of Göteborg. Supervisor: Jessica Coria. 2013. [external examiner]

Rebecca Osakwe. “Transportation Policy in San José, Costa Rica.” M.A. Thesis, Centro Agronómico Tropical de Investigación y Enseñanza. 2010.

Jorge García López. “Essays on Asymmetric Information and Environmental Regulation through Disclosure.” Ph.D. Thesis, Department of Economics, University of Göteborg. Supervisor: Thomas Sterner. 2007. [external examiner]

Jessica Coria Riquelme. “Essays on the Effect of Environmental Policy on Technological Adoption.” Ph.D. Thesis, Department of Economics, Universidad Católica de Chile. Co-supervisors: Juan Pablo Montero and José Miguel Sánchez. 2006.

Guodong Sun. “An Integrated Study of China’s Air Pollution Management: Effectiveness, Efficiency, and Governance.” Ph.D. Thesis, Engineering and Public Policy Program, Carnegie Mellon University. Supervisor: H. Keith Florig. 2000.

Latin American and Caribbean Environmental Economics Program grants supervised

Rodrigo Arriagada
Fernando Boraz
Marcelo Caffera
Dora Carías
Jessica Coria
Ninel Escobar
Santiago Guerrero
Marcela Ibañez
Daniel Ortega

Tenure and promotion reviews

Arizona State University
Duke University
George Mason University
University of the Andes

SOFTWARE (WEBTOOLS)

A. Blackman, J. Chu, L. Goff and J. Siikamäki. Forest Conservation Targeting Tool (FCTT). <http://fctt.servirglobal.net>

A. Blackman and A. Egorenkov. Forest Conservation Evaluation Tool (FCET). <http://fcet.servirglobal.net>

BOOKS

A. Blackman, R. Epanchin-Niell, J. Siikamäki, and D. Velez-Lopez. 2014. *Biodiversity Conservation in Latin America and the Caribbean: Prioritizing Policies*. Resources for the Future Press: New York.

S. Afsah, A. Blackman, J. García, and T. Sterner. 2013. *Environmental Regulation and Public Disclosure: The Case of PROPER in Indonesia*. Resources for the Future Press: New York.

A. Blackman. (ed.). 2006. *Small Firms and the Environment in Developing Countries: Collective Impacts, Collective Action*. Resources for the Future Press: New York.

JOURNAL ARTICLES

A. Blackman and P. Veit. 2018. “Amazon Indigenous Communities Cut Forest Carbon Emissions” *Ecological Economics* 153: 56-67.

A. Blackman, Z. Li and A. Liu. 2018. “Efficacy of Command-and-Control and Market-Based Environmental Regulation in Developing Countries.” *Annual Review of Resource Economics* 10: 20.1–20.24

A. Blackman, L. Goff, and M. Rivera. 2018. “Does Eco-certification Stem Tropical Deforestation? Forest Stewardship Council Certification in Mexico.” *Journal of Environmental Economics and Management* 89: 306–333.

A. Blackman, F. Alpízar, F. Carlsson and M. Rivera. 2018. “A Contingent Valuation Approach to Estimating Regulatory Costs: Mexico’s Day Without Driving Program.” *Journal of the Association of Environmental and Resource Economists* 5(3): 607–641.

T. Lyon, H. Yin, A. Blackman, and K. Wernstedt. 2017. “Voluntary Cleanup Programs for Brownfield Sites: A Theoretical Analysis.” *Environmental and Resource Economics* 70(2): 297-322.

B. Griscom, J. Adams, P. Ellis, R. Houghton, G. Lomax, D. Miteva, W. Schlesinger, D. Shoch, J. Siikamäki, P. Smith, P. Woodbury, C. Zganjar, A. Blackman, J. Campari, R. Conant, C. Delgado, P. Elias, T. Gopalakrishna, M. Hamsik, M. Herrero, J. M Kiesecker, E. Landis, L. Laestadius, S. M Leavitt, S. Minnemeyer, S. Polasky, P. Potapov, F. Putz, J. Sanderman, M. Silvius, E. Wollenberg, J. Fargione. 2017. "Natural Pathways to Climate Mitigation." *Proceedings of the National Academy of Sciences of the United States of America* 114(44): 11645–11650.

A. Blackman, A. Raimondi and F. Cubbage. 2017. "Does Forest Certification in Developing Countries have Environmental Benefits? Insights from Mexican Corrective Action Requests." *International Forestry Review* 19(3): 247-264 (lead article).

A. Blackman, L. Corral, E. Lima, and G. Asner. 2017. "Reply to Robinson et al.: Building the evidence base on the forest cover effects of community titling" (Letter to editor) *Proceedings of the National Academy of Sciences of the United States of America*. doi:10.1073/pnas.1708942114.

A. Blackman, L. Corral, E. Lima, and G. Asner. 2017. "Titling Indigenous Communities Protects Forests in the Peruvian Amazon." *Proceedings of the National Academy of Sciences of the United States of America* 114: 123-4128.

J. Rivera, M.A. Naranjo, J. Robalino, F. Alpízar, and A. Blackman. 2017. "Participation in Collective Voluntary Environmental Certification Initiatives: The Case of the Blue Flag Program in Costa Rica." *Policy Studies Journal* 45(4): 613–632.

M. Ibañez and A. Blackman. 2016. "Is Eco-certification a Win-Win for Developing Country Agriculture? Organic Coffee Certification in Colombia." *World Development* 82: 14-27.

J.J. Miranda, L. Corral, A. Blackman, E. Lima, and G. Asner. 2016. "Effects of Protected Areas on Forest Cover Change and Local Communities: Evidence from the Peruvian Amazon." *World Development* 78: 288-307.

A. Blackman. 2015. "Strict versus Mixed Use Protected Areas: Guatemala's Maya Biosphere Reserve." *Ecological Economics* 112: 14-24.

A. Blackman, A. Pfaff and J. Robalino. 2015. "Paper Park Performance: Mexico's Natural Protected Areas in the 1990s." *Global Environmental Change* 31: 50-61.

J. Milder, M. Arbuthnot, A. Blackman, S. Brooks, D. Giovannucci, L. Gross, E. Kennedy, K. Komives, E. Lambin, A. Lee, D. Meyer, P. Newton, B. Phalan, G. Schroth, B. Semroc, H. Rikxoort, and M. Zrust. 2014. "An Agenda for Assessing and Improving Conservation Impacts of Sustainability Standards in Tropical Agriculture." *Conservation Biology* 29(2): 309-320.

E. Lambin, P. Meyfroidt, X. Rueda, A. Blackman, J. Börner, P. Cerutti, T. Dietsch, L. Jungmann, P. Lamarque, J. Lister, N. Walker, S. Wunder. 2014. "Effectiveness and Synergies of Private and Public Actions for Land Use Governance in Tropical Regions." *Global Environmental Change* 28: 129-140.

A. Blackman, M.A. Naranjo, J. Robalino, F. Alpízar and J. Rivera. 2014. "Does Tourism Eco-Certification Pay? Costa Rica's Blue Flag Program." *World Development* 58(1): 41-52.

A. Blackman, E. Uribe, B. van Hoof, and T. Lyon. 2013. "Voluntary Environmental Agreements in Developing Countries: The Colombian Experience." *Policy Sciences* 46(4): 335-385.

A. Blackman. 2013. "Evaluating Forest Conservation Policies in Developing Countries Using Remote Sensing Data: An Introduction and Practical Guide." *Forest Policy and Economics* 34:1-16 (lead article).

K. Wernstedt, A. Blackman, T. Lyon, and K. Novak. 2013. "Revitalizing Underperforming and Contaminated Land through Voluntary Action: Perspectives from U.S. Voluntary Cleanup Program." *Land Use Policy* 31: 545-556.

A. Blackman. 2012. "Does Ecocertification in Developing Countries Boost Compliance? ISO 14001 Certification in Mexico." *Journal of Regulatory Economics* 42(3): 242-263.

A. Blackman and M.A. Naranjo. 2012. "Does Ecocertification Have Environmental Benefits? Organic Coffee in Costa Rica." *Ecological Economics* 83: 58-66.

A. Blackman and S. Guerrero. 2012. "What Drives Voluntary Eco-Certification in Mexico?" *Journal of Comparative Economics* 40(2): 256-268.

A. Blackman, S. Chandru, A. Mendoza-Domínguez, and A. G. Russell. 2012. "Health Impacts of Power-Exporting Plants in Northern Mexico." *Energy Policy* 44: 34-45.

A. Blackman, B. Ávalos-Sartorio, and J. Chow. 2012. "Land Cover Change in Agroforestry: Shade Coffee in El Salvador." *Land Economics* 88(1): 75-101.

H. Albers, B. Ávalos-Sartorio, M. Batz, and A. Blackman. 2011. "Costos de Conservación, Incertidumbre en Precios y Abandono en la Producción de Café de Sombra: el Caso de la Costa de Oaxaca en México." [Conservation Costs, Price Uncertainty, and Abandonment in Shade Coffee Production: The Case of Coastal Oaxaca, Mexico] *Gaceta de Economía del Instituto Tecnológico Autónomo de México* 2: 157-192.

A. Blackman and J. Rivera. 2011. "Producer-level Benefits of Sustainability Certification." *Conservation Biology* 25(6): 1176-1185.

N. Powers, A. Blackman, T. Lyon and U. Narain. 2011. "Does Public Disclosure Reduce Pollution? Evidence from India's Pulp and Paper Industry." *Environmental and Resource Economics* 50(1): 131-155.

A. Blackman, B. Lahiri, B. Pizer, M. Rivera Planter, and C. Muñoz Piña. 2010. "Voluntary Regulation in Developing Countries: Mexico's Clean Industry Program." *Journal of Environmental Economics and Management* 60(3): 182-192.

A. Blackman, S. Darley, T. Lyon, and K. Wernstedt. 2010. "What Drives Participation in State Voluntary Cleanup Programs? Evidence from Oregon." *Land Economics* 86(4): 785-799.

A. Blackman and A. Kildegaard. 2010. "Clean Technological Change in Developing Country Industrial Clusters: Mexican Leather Tanneries." *Environmental Economics and Policy Studies* 12(3): 115-132.

A. Blackman. 2010. "Alternative Pollution Control Policies in Developing Countries." *Review of Environmental Economics and Policy* 4(2): 234-253.

A. Blackman and R. Woodward. 2010. "User-Financing in a National Payments for Environmental Services Program: Costa Rican Hydropower." *Ecological Economics* 69(8): 1626-1638.

A. Blackman, R. Osakwe, and F. Alpízar. 2010. "Fuel Tax Incidence in Developing Countries: The Case of Costa Rica." *Energy Policy* 38(5): 2208-2015.

B. Ávalos-Sartorio and A. Blackman. 2010. "Agricultural Price Supports as a Conservation Tool: Mexican Shade Coffee." *Agroforestry Systems* 78(2): 169-183.

A. Blackman. 2009. "Colombia's Discharge Fee Program: Economic Incentives for Polluters or Regulators?" *Journal of Environmental Management* 90(1): 101-119.

A. Blackman. 2008. "Can Voluntary Environmental Regulation Work in Developing Countries? Lessons from Case Studies." *Policy Studies Journal* 36(1): 119-141.

Reprinted in: J. Rivera and P. de Leon. (eds.) 2010. *Voluntary Environmental Programs: Potentials and Assessments*. Lexington Books: Lanham, MD.

A. Blackman, H. J. Albers, B. Ávalos-Sartorio, and L. Murphy. 2008. "Land Cover in a Managed Forest Ecosystem: Mexican Shade Coffee." *American Journal of Agricultural Economics* 90(1): 216-231.

A. Blackman, B. Ávalos-Sartorio, and J. Chow. 2007. "Shade Coffee and Tree Cover Loss: Lessons from El Salvador." *Environment* 49(7): 22-32.

Reprinted in: P. Goodwin (ed.) 2008. *Global Studies: Latin America*. 13th edition. McGraw-Hill: New York, NY.

A. Blackman and N. Sisto. 2006. "Voluntary Environmental Regulation in Developing Countries: A Mexican Case Study." *Natural Resources Journal* 46(4): 1005-1042.

Reprinted in E. Balleisen (ed). 2014. *Business Regulation*. Edward Elgar Press: Northampton, MA.

A. Blackman, T. Lyon and N. Sisto. 2006. "Voluntary Environmental Agreements when Regulatory Capacity is Weak." *Comparative Economic Studies* 48(4): 682-702.

A. Blackman, S. Newbold, J.-S. Shih, D. Evans, J. Cook and M. Batz. 2006. "The Benefits and Costs of Informal Sector Pollution Control: Traditional Mexican Brick Kilns." *Environment and Development Economics* 11(5): 603-627.

A. Blackman, S. Afsah and D. Ratunanda. 2004. "How Does Public Disclosure Work? Evidence from Indonesia's PROPER Program." *Human Ecology Review* 11(3): 235-246.

A. Blackman. 2002. "Testing the Rhetoric: Location Efficient Mortgages May Have More Costs and Risks than Proponents Claim" *Regulation* 25(1): 34-38.

A. Blackman and A. Palma. 2002. "Scrap Tires in Ciudad Juárez and El Paso: Ranking the Risks." *Journal of Environment and Development* 11(3): 247-266.

A. Blackman and J. Boyd. 2002. "Tailored Regulation: Will Site-Specific Environmental Regulation Improve Welfare?" *Southern Economic Journal* 69(2): 309-326.

A. Blackman. 2001. "Obstacles to a Doubly Green Revolution." *Environment and Development Economics* 6(4): 510-513.

A. Blackman. 2001. "Why Don't Lenders Finance High-Return Technological Change in Developing-Country Agriculture?" *American Journal of Agricultural Economics* 83(4): 1024-1035.

A. Blackman and A. Krupnick. 2001. "Location Efficient Mortgages: Is the Rationale Sound?" *Journal of Policy Analysis and Management* 20(4): 633-649.

A. Blackman and J. Mazurek. 2001. "The Cost of Developing Site-Specific Environmental Regulations: Evidence from EPA's Project XL." *Environmental Management* 27(1): 109-121.

A. Blackman. 2000. "Informal Sector Pollution Control: What Policy Options Do We Have?" *World Development* 28(12): 2067-2082.

A. Blackman and W. Harrington. 2000. "The Use of Economic Incentives in Developing Countries: International Experience with Industrial Air Pollution." *Journal of Environment and Development*. 9(1): 5-44 (lead article).

Reprinted in: G. E. Helfand and P. Berck (eds.) 2003. *The Theory and Practice of Command and Control in Environmental Policy*. Ashgate Publishing International Library of Environmental Economics and Policy: Hampshire, U.K.

Reprinted in: J. Sainz (ed.) 2003. *Instrumentos de Mercado para la Protección Ambiental. Conceptos y Aplicaciones*. Instituto Nacional de Ecología: Mexico, D.F.

A. Blackman. 2000. "Making Small Beautiful: Lessons from Mexican Leather Tanneries and Brick Kilns." *Small Enterprise Development* 11(2): 4-14 (lead article).

A. Blackman and X. Wu. 1999. "Foreign Direct Investment in the Chinese Power Sector: Trends, Benefits, and Barriers." *Energy Policy* 27(12): 695-711.

A. Blackman and G. J. Bannister. 1998. "Community Pressure and Clean Technology in the Informal Sector: An Econometric Analysis of the Adoption of Propane by Traditional Mexican Brickmakers." *Journal of Environmental Economics and Management* 35(1): 1-21 (lead article).

A. Blackman and G. J. Bannister. 1997. "Pollution Control in the Informal Sector: The Ciudad Juárez Brickmakers' Project." *Natural Resources Journal* 37(4): 829-856.

WORKING MANUSCRIPTS

Under review

A. Blackman and L. Villalobos. "Do Concessions Stem Forest Loss? Quasi-Experimental Evidence from Mexico." Revision requested.

A. Blackman, L. Goff, J. Chu and J. Siikamäki. "The Forest Conservation Targeting Tool: Accessible Spatial Prioritization for Latin America." Revision requested.

A. Blackman and L. Villalobos. "Clear but Don't Invest: Protected Areas Discourage Some Land Uses More Than Others."

A. Blackman, P. Qin and J. Yang. "How Costly are License Plate-Based Driving Restrictions: Contingent Valuation Evidence from Beijing."

J. Oldekop, L. Rasmussen, A. Agrawal, A. Bebbington, D. Bengston, A. Blackman, S. Brooks, I. Davidson-Hunt, P. Davies, S. Dinsi, L. Fontana, T. Gumucio, C. Kumar, K. Kumar, P. Meyfroidt, D. Moran, T. Mwampamba, R. Nasi, M. Nilsson, M. Pinedo-Vasquez, J. Rhemtulla, W. Sutherland, C. Watkins, S. Wilson. “Key Emerging Issues for Forests and Livelihoods.”

Drafts

A. Blackman. “Does Titling Indigenous Communities Conserve Forests? Evidence from Bolivia.”

Resting

S. Guerrero and A. Blackman. “Fiscal Decentralization and the Environment: Deforestation in Mexico.”

A. Blackman and J. Robalino. “Spatial Interactions in the Adoption of Soil Conservation Practices by Costa Rican Coffee Growers.”

J. Robalino, L. Villalobos, A. Blackman and A. Pfaff. “Impacts of Protected Areas on Population Growth, Inequality, and Marginalization in Mexico.”

IN PROGRESS

Efficacy of ‘WaterFunds’ Payments for Environmental Services Projects in Latin America (with L. Villalobos)

Effects of Air Quality Alerts on Human Health in Quito, Ecuador (with B. Hoffman)

Efficacy of License Plate-Based Driving Restrictions in Latin America (with O. Mitnik)

Titling Indigenous Communities in the Peruvian Amazon: Identifying Causal Mechanisms (with L. Corral, M. Schling and C. Monteil)

Tenure Dividend: A Stated Preference Approach (with L. Corral, S. Dissanayake, M. Schling and C. Monteil).

Agricultural Subsidies and Deforestation in Latin America (with L. Villalobos and P. de Salvo)

Honduran Protected Area Impacts on Forest Fragmentation (with J. Scullion)

Do Regulatory Fines and Inspections Stem Forest Cover Change? Evidence from Mexico

Two Birds with One Stone? Targeting Forest Conservation for Multiple Benefits (with L. Goff, J. Chu, and J. Siikämäki)

What Drives Firms' Choices Among Eco-certifications? (with L. Villalobos)

Benefits of Spatial Prioritization: Mexican Protected Areas (with J. Siikämäki and J. Chu)

BOOK CHAPTERS

J. Börner, T. West, A. Blackman, D. Miteva, K. Sims and S. Wunder. "National and Subnational Forest Conservation Policies." 2018. In A., Angelsen, C. Martius, V. De Sy, A. Duchelle, A. Larson and P. Thu Thuy. *Transforming REDD+: Lessons and New Directions*. Bonn: Center for International Forestry Research.

A. Blackman, R. Osawkwe, and F. Alpízar. 2011. "Fuel Tax Incidence in Costa Rica: Gasoline versus Diesel." In T. Sterner (ed.). *Do Gas Taxes Hurt the Poor? The Distributional Effects of Fuel Taxation and their Implications for Climate Policy*. RFF Press: Washington, DC.

A. Blackman. 2010. "Environmental Policy Innovations in Developing Countries." in I. Parry and F. Day (eds.). *Issues of the Day: 100 Policy Commentaries on Climate, Energy, the Environment, Transportation, and Public Health Policy*. RFF Press: Washington, DC: 204-205.

Contributed chapters in E. Sanchez-Triana, K. Ahmed, and Y. Awe (eds.) 2007. *Environmental Priorities and Poverty Reduction: A Country Environmental Analysis for Colombia*. World Bank. Washington, DC.

A. Blackman, R. Morgenstern, E. Topping, S. Hoffman, and E. Sánchez-Triana. "Actors and Institutions." Chapter 3: 33-65.

A. Blackman, R. Morgenstern, E. Topping, S. Hoffman, and E. Sánchez-Triana. "Decentralization: A Balancing Act." Chapter 4: 67-107.

A. Blackman, Y. Awe, P. Brandriss, and C. Urrutia. "Living with Natural Disasters." Chapter 10: 321-356.

A. Blackman and E. Sánchez-Triana. "Land Degradation and Deforestation." Chapter 12: 393-431.

Contributed chapters in A. Blackman (ed.). 2006. *Small Firms and the Environment in Developing Countries: Collective Impacts, Collective Action*. Resources for the Future Press.

A. Blackman. "Introduction." Chapter 1: 1-19.

- A. Blackman, S. Newbold, J.-S. Shih, D. Evans, J. Cook and M. Batz. "Benefits and Costs of Controlling Small Firm Pollution: Informal Brickmaking in Ciudad Juárez, Mexico." Chapter 2: 20-46 (extracted from 2006 *Environment and Development Economics* article).
- A. Blackman. "Policy Options for Controlling Small Firm Pollution: Informal Brickmaking in Four Cities in Northern Mexico." Chapter 4: 72-87 (extracted from 2000 *World Development* article).
- A. Blackman and G. Bannister. "Small Firms and Clean Technologies Part I: Informal Brickmaking in Ciudad Juárez, Mexico." Chapter 9: 171-190 (extracted from 1998 *Journal of Environmental Economics and Management* article).
- A. Blackman. "Small Firms and Clean Technologies Part II: Leather Tanning in León, Mexico." Chapter 10: 191-201.
- A. Blackman. "Conclusion." Chapter 13: 237-240.
- A. Blackman. 2004. "Maquiladoras, Air Pollution and Human Health in Ciudad Juárez and El Paso." pp. 179-203 in K. Kopinak (ed.) *Social Costs of Industrial Growth in Northern Mexico*. University of California San Diego Center for U.S.-Mexican Studies: San Diego.
- A. Blackman. 2002. "The Economics of Technology Diffusion: Implications for Greenhouse Gas Mitigation in Developing Countries." pp. 288-307 in S. Nagel (ed.) *Environmental Policy and Developing Nations*. McFarland & Co: Jefferson, NC.
- A. Blackman. 2002. "Indonesia: Going Public on Polluters" Case study No. 45. pp. 146-147 in P. Wakely and N. You (eds.) *Sustainable Urbanisation: Building the Green and Brown Agendas*. Development Planning Unit, University College: London.
- A. Blackman. 2001. "The Economics of Climate-Friendly Technology Diffusion in Developing Countries." pp. 248-252 in M. Toman (ed.) *Climate Change Economics and Policy: An RFF Anthology*. Johns Hopkins University Press: Baltimore.
- J. Boyd, J. Mazurek, A. Krupnick, and A. Blackman. 1999. "The Competitive Implications of Facility-Specific Environmental Agreements: The Intel Corporation and Project XL," pp. 96-115 in E. Petrakis, E. Sartzetakis and A. Xepapadeas (eds.), *Environmental Regulation and Market Power: Competition, Time Consistency and International Trade*. Northampton, MA: Edward Elgar.
- A. Blackman and G. J. Bannister. 1998. "Crossborder Environmental Management and the Informal Sector: the Ciudad Juárez Brickmakers Project." pp. 164-188 in R. Kiy and J. Wirth (eds.) *Cooperation and Conflict: Case Studies of Environmental Management on the Borders*. College Station: Texas A&M Press.

OTHER PUBLICATIONS

A. Blackman. 2017. "Awarding Indigenous Communities Land Titles Reduces Tropical Forest Damage." *Common Resources* (RFF blog). April 3.

A. Blackman. 2016. "License Plate Restrictions Are Not the Answer for Polluted Delhi." *Washington Post*. Letter to the Editor. January 18.

A. Blackman. 2016. "Delhi's Odd-Even Driving Policy: There Has Got to Be a Better Way." *Common Resources* (RFF blog). January 14.

Ding, H., P. Veit, A. Blackman, E. Gray, K. Reytar, J.C. Altamirano and B. Hodgdon. 2016. "Climate benefits and tenure costs: The economic case for securing indigenous land rights in the Amazon." Washington, DC: World Resources Institute.

A. Blackman, F. Alpizar, F. Carlsson, and M. Rivera Planter. 2015. "How Costly are Driving Restrictions Programs? Evidence from Mexico City." *Resources* 190, Fall: 14-15.

A. Blackman. 2015. "Prioritizing Policies of Biodiversity Conservation: A New RFF Press book." *Common Resources* RFF Blog. January 9.

A. Blackman. 2015. "Targeting Forest Conservation Investments." *Resources* 188 Spring: 13-15.

A. Blackman. 2014. "A Tale of Two Parks (In One)." *Common Resources* RFF Blog. March 18.

A. Blackman. 2012. "Environmental Management in Developing Countries" [Introduction to Special Issue on "Balancing Economic and Environmental Progress in Developing Countries"] *Resources* 180, Summer: 6.

A. Blackman. 2012. "Eco-certification in Developing Countries: Truth in Advertising?" *Resources* 180, Summer: 31-35.

A. Blackman. 2010. "Will REDD Really be Cheap?" *Resources* 174, Winter/Spring: 4.

Reprinted in *RFF Weekly Commentary*. February 5.

A. Blackman and G. Köhlin. 2008. "Environment for Development: RFF Joins Initiative to Strengthen Green Policies in Developing Countries." *Resources* 170, Fall: 4-5.

A. Blackman. 2008. "Environmental Policy Innovation in Developing Countries." *RFF Weekly Commentary*. May 30.

- F. Alpizar, A. Blackman, and A. Pfaff. 2007. "Payments for Ecological Services: The Importance of Precision and Targeting." *Resources* 165, Spring: 20-22.
- A. Blackman. 2006. "Economic Incentives to Control Water Pollution in Developing Countries: How Well has Colombia's Wastewater Discharge Fee Program Worked and Why?" *Resources* 161, Spring: 20-23.
- A. Blackman, H. Albers, B. Ávalos, and L. Crooks. 2005. "Made in the Shade: Can Shade Coffee Help Stem Deforestation in Latin America?" *Resources* 157, Spring: 23-26.
- A. Blackman. 2003. "Sistemas de Mercados de Emisiones: Oportunidades y Retos para los Países en Desarrollo." [Marketable Permit Systems: Opportunities and Challenges for Developing Countries] in *Seminario Sobre Instrumentos Económicos para Cuencas Ambientales*. Instituto Nacional de Ecología, Dirección General de Investigación de Política y Economía Ambiental. Mexico City: Mexico. pp. 50-57.
- A. Blackman. 2003. "The Cutting Edge and the Nitty Gritty: Environmental Protection in Mexico." *Resources* 149, Fall 2002/Winter 2003: 26-28.
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- A. Blackman. 2000. "Small Is Not Necessarily Beautiful: Coping with Dirty Microenterprises In Developing Countries." *Resources* 141, Fall: 9-13.
- A. Blackman and X. Wu. 1999. "Energy Efficiency and Climate Impacts of Foreign Direct Investment in China's Power Sector." *Sinosphere* 2(1): 35.
- A. Blackman. 1998. "New Investment Abroad: Can It Reduce Chinese Greenhouse Gas Emissions?" *Resources* 133, Fall: 16.
- A. Blackman and G. J. Bannister. 1996. "Los Ladrilleros de Ciudad Juárez: de Cómo Evitar una Mayor Contaminación Atmosférica." *La Jornada Ecología*, Año 4, Numero 48, Julio 18: 6-7.
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M. Dioun, J. Olsen and A. Blackman. 1992. "The Impact of Trade Liberalization on Texas Cotton." *Proceedings of the 1992 Beltwide Cotton Conference*, Vol. 1, 460-3.

M. Dioun, J. Olsen and A. Blackman. 1992. "The Impact of the US-Mexico Free Trade Agreement on Texas Cotton." *Texas Business Review*, June.

M. Burfisher, M. Missian and A. Blackman. 1990. "Less Developed Countries' Performance in High Value Agricultural Trade." *USDA ERS Staff Report No. AGES 9118*.

SELECTED GRANTS (project director and principal author of proposal)

August 2016. InterAmerican Development Bank. "Spatial Prioritization of Forest Conservation Interventions in Honduras." \$22,000.

June 2015. World Resources Institute. "Strengthening Community Land Rights II." \$42,500.

May 2015. National Socio-Environmental Synthesis Center (SESYNC). "Growing the Evidence Base on Forest Conservation Policies: A Web-based Evaluation Tool." approximately \$140,000 (includes direct costs of dissemination activities).

January 2015. World Bank. "Review of Analysis of the Environmental Impacts of Development Policy Operations." \$12,000.

December 2014. National Socio-Environmental Synthesis Center (SESYNC). "Growing the Evidence Base on Forest Conservation Policies: A Web-based Evaluation Tool." Direct costs of expert workshop.

November 2014. Environment for Development Initiative. "The Social Cost of Beijing's Driving Restrictions Program: A Stated Preference Approach." \$46,000.

April 2012. National Aeronautics and Space Administration (NASA). "Using Earth Observation Data to Improve REDD+ Policy in Mesoamerica and the Dominican Republic." (with J. Siikämäki, M. Hansen, and P. Potapov). \$1 million.

February 2012. InterAmerican Development Bank. "Preparation of Biodiversity Platform: Regional Assessment, Emerging Opportunities and Proposed Lines of Action." (with J. Siikamäki and R. Epanchin-Niell). \$190,000.

December 2011. Tinker Foundation. "Enhancing the Benefits of Forest Eco-Certification in Mexico." \$131,000.

May 2011. Swedish Environmental Research Institute (IVL). "Measuring Impacts of Voluntary Sustainability Initiatives." \$70,000.

February 2011. InterAmerican Development Bank. “Rigorous Evaluation of Forest Conservation Policies: Method and Application.” \$200,000.

June 2009. United Nations Environment Program. “Scientific and Technical Advisory Panel (STAP) to the Global Environment Facility; Review of Literature on Commercial Certification Systems.” (with J. Rivera). \$30,000.

May 2009. Swedish International Development Agency/Göteborg University. Support for continuing collaboration with Environment for Development Center for Central America. \$60,000.

June 2008. Tinker Foundation. “Mexico's Natural Protected Areas: Enhancing Effectiveness and Equity” (with A. Pfaff and J. Robalino). \$138,000.

October 2007. Swedish International Development Agency/Göteborg University. Resident Advisor to Environment for Development Center for Central America. \$170,000.

December 2006. Alcoa Foundation. “Voluntary Environmental Programs in Latin America: Lessons Learned” \$50,000.

November 2006. InterAmerican Development Bank. “Voluntary Environmental Programs in Latin America: Lessons Learned” \$60,000.

August 2006. LASPAU. “Benefits and Costs of Cross-Border Electric Power Transmission: Mexicali-Imperial Valley” (with A. Russell and A. Mendoza). \$80,000.

July 2005. Tinker Foundation. “Policies to Preserve Salvadoran Shade Coffee” (with B. Ávalos-Sartorio). \$70,000.

August 2005. Mexican Ministry of the Environment (SEMARNAT). “Evaluation of the Voluntary Clean Industry Program” (with N. Sisto). \$20,000.

February 2005. Inter-American Development Bank. “Environmental Impacts of the Coffee Crisis in El Salvador” (with B. Ávalos-Sartorio). \$90,000.

August 2004. Colombian Ministry of Environment, Housing, and Territorial Development (MAVDT). “Review of Efficiency and Effectiveness of Colombia’s Environmental Policies” (with R. Morgenstern). \$83,000.

December 2003. World Bank. “Institutional Analysis of Colombia’s Autonomous Regional Corporations” (with R. Morgenstern). \$83,000.

December 2003. World Bank. “Assessment of Colombia’s National Environmental System” (with R. Morgenstern and S. Hoffman). \$95,000.

December 2002. The Tinker Foundation. “Policies for Preserving Mexican Shade-Coffee” (with H. Albers and B. Ávalos-Sartorio). \$50,000.

September 2001. University of California San Diego, Center for U.S.-Mexican Studies (6-month Visiting Research Fellowship; competitive selection process). \$24,000.

November 2000. The North American Commission for Environmental Cooperation. “Incentives for Biodiversity Conservation on Oaxaca’s Shade-Grown Coffee Plantations” (with B. Ávalos-Sartorio and H. Albers). \$15,000.

May 2000. Applied Science Laboratories, Inc. (prime contractor for Department of Energy Carlsbad, N.M. office) “Benefits of Used-Tire Recycling Facilities on the U.S.-Mexico Border: Phase I” (with A. Krupnick). \$20,000.

July 1999. Tinker Foundation. “Controlling Pollution from Small-Scale Sources: Leather Tanneries in León, Mexico” (with A. Kildegaard). \$100,000.

January 1998. National Science Foundation/US Environmental Protection Agency. “The Economics of Tailored Regulation and the Implications for Project XL” (with A. Krupnick and J. Boyd). \$153,368.

December 1996. Tinker Foundation. “Environmentally Friendly Technological Change Among Mexico’s Traditional Brickmakers” (with G. Bannister) \$100,000.

May 1996. US Environmental Protection Agency. “Environmental Benefits from Location-efficient Mortgages: Barriers and Opportunities” (with A. Krupnick and M. Walls) \$120,000.

February 1996. US Environmental Protection Agency “Mechanisms for Lowering Transactions Costs Associated with the Negotiation of Facility-specific Environmental Performance Agreements” (with A. Krupnick) \$30,000.

CONSULTING

Asian Development Bank
Colombian Ministry of Environment, Housing, and Territorial Development
Inter-American Development Bank
Mexican Ministry of the Environment and Natural Resources
Rainforest Alliance
World Bank

MANUSCRIPT REVIEWS

Ambio
American Economic Review
Business and Society
Conservation Biology
Conservation Letters
Contemporary Economic Policy
Economic Development and Cultural Change
Energy Economics
Energy Journal
Environment and Development Economics
Environmental Management
Environmental and Resource Economics
European Review of Agricultural Economics
Global Environmental Change
International Regional Science Review
Journal of the Association of Environmental and Resource Economists
Journal of Development Economics
Journal of Development Effectiveness
Journal of Economics and Management Strategy
Journal of Environment and Development
Journal of Environmental Management
Journal of Environmental Economics and Management
Journal of Public Economics
Journal of Sustainable Forestry
Journal of Urban Affairs
Open Economics Journal
Policy Studies Journal
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Public Finance and Management
Regional Environmental Change
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National Science Foundation
National Aeronautics and Space Administration Applied Sciences Program
South Asian Network for Development and Environmental Economics
Tinker Foundation

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