

Marcelo Caffera
CURRICULUM VITAE

PERSONAL

Born March 7th, 1972, Montevideo, Uruguay

CONTACT

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EDUCATION

Ph.D. Resource Economics, University of Massachusetts – Amherst, 2004.

M.Sc. Resource Economics, University of Massachusetts – Amherst, 2000.

B.A. Economics, Universidad de la República, Uruguay, 1997.

POSITIONS

University of Montevideo, Department of Economics. Professor. Since 2003

University of Montevideo, Department of Economics. Undergraduate Program Director. Since 2012.

PAST POSITIONS

Graduate Program Director, Department of Economics, University of Montevideo. 2004-2011.

Research Director, School of Economics and Business, University of Montevideo. 2008 – 2011.

TEACHING

Current Courses

Graduate: Microeconomics, Environmental Economics.

Undergraduate: Microeconomics, Environmental Economics.

Other Courses / Positions:

- “The Economics of Enforcing Environmental Policy Instruments”. Training course for public employees at the Division of Environmental Control of the National Directorate of the Environment. (March – April 2018).
- Latin American and Caribbean Environmental Economics Program (LACEEP), IX Training Course, “Climate Change, Biodiversity and policy”, Nicaragua, 16 - 18 de October, 2014
- Dirección Nacional de Medio Ambiente, Environmental Economics training course for policy-makers (March 2012).
- Professor of Environmental Economics, Ph.D. Program in Economics, *Catholic University of Argentina*. (2009).
- Professor of Environmental Economics, Master in Rural Sustainable Development, *School of Agriculture, University of the Republic*. 2007 and 2005.
- Institutional Economics, *Communication Services Regulatory Unit, Uruguayan Government*, October 2007.
- Environmental Economics, invited for a class to talk about the Uruguayan experience with the regulation of industrial effluents in Montevideo, *University of Concepción*, Chile, September 2007.
- The Economics of Environmental Enforcement, Departamento de Análisis Económico Aplicado, *University of Las Palmas de Gran Canaria*, Spain, May 2007. (With Carlos Chavez, Universidad de Concepción, Chile).
- Part-time Assistant Professor, Department of Economics, *University of Montevideo*. (2001-2002)
- Environmental Economics, Master Program in Environmental Engineering, *School of Engineering, University of the Republic*. 2001.

- External professor, Universidad de Montevideo, From Second Semester 2000 to First Semester 2001. Courses taught: Environmental Economics (undergraduate and graduate), Microeconomics I (undergraduate and graduate), Introduction to Economics, Economic Growth, Seminar in National Economy, Industrial Organization and Macroeconomics I.

RESEARCH

Publications

In peer-reviewed journals:

- Luengo C., M. Caffera and C. Chávez (2020). “Uncertain Penalties and Compliance: experimental evidence”. *Environmental Economics and Policy Studies* (22), pp. 197-216.
- Caffera, M., J. Dubra y N. Figueroa (2018). “Mechanism Design when players’ preferences and information coincide”, *Mathematical Social Sciences* (91), pp. 56-61.
- Balsa, A., M. Caffera and J. Bloomfield (2016). “The Effect of Temporary and Intense Exposure to Particulate Matter on Birth Outcomes in Montevideo”, *Environmental Health Perspectives*, Volume 124, pages:1816–1822.
- Caffera, M. y C. Chávez (2016) “The regulatory choice of non-compliance in the lab: effect on quantities, prices, and implications for the design of a cost-effective policy”, *The B.E. Journal of Economic Analysis and Policy*, ISSN (Online) 1935-1682, ISSN (Print) 2194-6108, DOI: 10.1515/bejeap-2014-0202.
- Caffera, M. and C. Chávez. (2011). “The Cost-Effective Choice of Policy Instruments to Cap Aggregate Emissions with Costly Enforcement”, *Environmental and Resource Economics*: Volume 50, Issue 4 (2011), Page 531-557.
- Caffera, M. (2010). "The use of economic instruments for pollution control in Latin America: lessons for future policy design", *Environment and Development Economics*, Volume 16, Special Issue 03 (CRITICAL ENVIRONMENTAL AND DEVELOPMENT ISSUES IN LATIN AMERICA): 247-273.

- In not peer-reviewed journals:

- Caffera, M. (2016). “Pollution control in Latin America”, *Integration & Trade Journal: Volume 21: No. 41: March, 2017: Eco Integration in Latin America: Ideas Inspired by the Encyclical Laudato Si'*, INTAL, IADB.
- Caffera, M. (2007). “Estimación de los beneficios de la disminución en el nivel de riesgo por exposición a plaguicidas en Uruguay”, *Revista de Ciencias Empresariales y Economía* de la FCEE, Universidad de Montevideo. Año 6, 83 – 97.
- Caffera, M. (2006). “Legislación Simbólica”, *Revista de Ciencias Empresariales y Economía* de la FCEE, Universidad de Montevideo. Año 5, 153 – 159.
- Amarante, V. y M. Caffera. (2003). “Determinantes Económicos de la Formación de Asentamientos Irregulares”, *Revista de Ciencias Empresariales y Economía* de la FCEE, Universidad de Montevideo. 2, 61 – 95.

Book Chapters:

- Caffera, M., C. Plottier y N. Durán (2013). “Producción agropecuaria y cambio climático. Oportunidades para reducir las emisiones en la ganadería uruguaya”, en Konrad Adenauer Stiftung, *Economía, Sociedad y Medio Ambiente – El Desafío del Desarrollo Sostenible. (Forthcoming)*.
- Caffera, M. (2010). “Estrategias para reducir o eliminar las barreras económicas asociadas al uso sostenible de servicios ecosistémicos”, en Manfred Steffen & Hugo Inda (editores), *Bases Técnicas para el Manejo Integrado de la Laguna del Sauce y cuenca asociada*, forthcoming.
- “Conclusiones, recomendaciones e instrumentos económicos”, in GEO Uruguay. Informe del estado del Ambiente. Programa de las Naciones Unidas para el Medio Ambiente. 2008. Co-autor.

Articles in other periodicals:

- “Acuerdo de París: la mayor esperanza la dieron millonarios inversores”, columna de Opinión en El Observador, edición digital, 18 de diciembre de 2015.
- [“La energía, la teoría y la realidad”](#), con L. Arbolea, Suplemento Economía y Mercado del diario El País, Montevideo, Uruguay, 07/05/2012.
- Column en [Suplemento Ecología de La Diaria](#), 5 de Junio de 2010 (En página 4 y 5).
- [“Hablemos de Cambio Climático”](#), Suplemento Economía y Mercado de El País, Montevideo, Uruguay. 27/04/2009.

- [“Sobre el Nobel a Elinor Ostrom”](#), Suplemento Economía y Mercado de El País, Montevideo, Uruguay. 26/10/2009.
- Caffera, M. (2002). “Estados, Mercados, y Comunidades en la explotación de Recursos Naturales, *Ambios Cultura Ambiental*, Marzo.

Submitted work:

Unpublished working papers:

- Cabrera, J.M., M. Caffera y A. Cid (2020). “Small Incentives May Have Large Effects: The Impact of a Price on the Quantity of Bags Used”.
- Caffera, Marcelo & Vásquez Lavín, Felipe & Rodríguez Anza, Daniel & Carrasco-Letelier, Leonidas & Hernández, José Ignacio & Buonomo, Mariela, 2019. "[Spatial Spillovers in the Implicit Market Price of Soil Erosion: An Estimation using a Spatio-temporal Hedonic Model](#)," [MPRA Paper](#) 93589, University Library of Munich, Germany.
- Caffera, M. y A. Lagomarsino (2014) “Under-reporting by industrial plants: empirical evidence”
- “¿Estudiar Economía te hace más egoísta?”, con Leandro Zipitría (2008)
- “Getting Polluters to Tell the Truth”, with Juan Dubra, 2007.
- “Effectiveness of the Enforcement of Industrial Emission Standards in Montevideo, Uruguay”, 2007.
- “Achieving an Environmental Target with an Emissions Tax under Incomplete Enforcement”, with Carlos Chávez, Universidad de Concepción – Chile (2007).
- “Imperfectly Enforceable Pollution Tax with Asymmetric Information”, with John Stranlund, University of Massachusetts, - Amherst, 2007.
- “The Implementation and Enforcement of Environmental Regulations in a Less Developed Market Economy: evidence from Uruguay”, Ph.D. Dissertation. Department of Resource Economics. University of Massachusetts – Amherst. 2004.
- “Economic Analysis of the Industrial Water Pollution Control Policy in Montevideo”, Comisión Sectorial de Investigación Científica (CSIC), University of the Republic, June 2002.

Grants

- Project: "Demand management for off-peak consumption of electric energy through smart meters: a randomized and controlled evaluation". Financing: Sectoral Fund for Energy 2016. Modality Research. (2017). \$ U 2,940,000. With researchers: José María Cabrera (University of Montevideo) and María Eugenia Sanin (University of Evry-Val-d'Essonne and Echole Polytechnique, Paris).
- Research Project: "The economic value of soil erosion in Uruguay". Financing Institution: Latin American and Caribbean Environmental Economics Program. US\$ 15,800. Co-researcher: Felipe Vásquez, Universidad del Desarrollo, Chile. (2017).
- Research Project: "The effect of short and intensive exposure to PM10 on birth outcomes in Montevideo". Financing institution: Inter-American Development Bank. US\$ 15.000. Co-researcher: Ana Balsa, Universidad de Montevideo.
- Research Project: "Testing the effectiveness of enforcing industrial pollution regulations in Montevideo, Uruguay". Financing institution: Latin American and Caribbean Environmental Economics Program. US\$ 12,000.
- Fulbright Grant, Fulbright Regional Network for Applied Research (NEXUS) Program. May 2011 – April 2012. \$30,000.
- Research Project: "Laboratory Experiments for the Analysis of the Compliance Behavior of Firms under Environmental Regulation". Financing Institution: National Agency of Research and Innovation - Fund "Prof. Clemente Estable" 2009. Co-researcher: Carlos Chavez, University of Concepción, Chile. US\$ 50,000.
- Research Project: "The Selection of Environmental Policy Instruments with Incomplete Compliance". Financing Institution: National Agency of Research and Innovation - Fund "Prof. Clemente Estable" 2007. Co-researcher: Carlos Chavez, University of Concepción, Chile.
- "Transfer of Knowledge Applied to Environmental Sustainability", Universidad de Montevideo – Universidad de Las Palmas de Gran Canaria. Project financed by: Agencia Española de Cooperación Internacional. Proyecto B/6959/06. Year 2007.
- Selected for the National Researchers Fund 2005. National Office of Science and Technology.
- National Fund "Prof. Clemente Estable" 2005, National Office of Science and Technology. Research Project: "The implementation of an emissions tax with asymmetric information and imperfect enforcement", with John Stranlund.

- Research Initiation Support Program, Comisión Sectorial de Investigación Científica (CSIC), University of the Republic, 2001.

OTHER ACADEMIC ACTIVITIES

- Member of the Scientific Committee, Environmental Economics Workshop, Research Institute for Development, Growth and Economics (RIDGE), Montevideo, December 7h, 2016.
- Coordinator of the Cooperation Agreement between the University of Montevideo and the National Directorate of the Environment. The objective of the agreement is to develop tools for the economic analysis of the environmental policy and the building of capacity in environmental economics in this office. 2012.
- I collaborated together with a group of scholars in the translation to Spanish of the book “Microeconomics. Behavior, Institutions and Evolution”, Samuel Bowles. (Princeton University Press, 2004).
- Coordinator of the Project “Transfer of Knowledge Applied to the Environmental Sustainability”, between the University of Montevideo and the University of Las Palmas de Gran Canaria, Spain, financed by the Agencia Española de Cooperación Internacional. Proyecto B/6959/06. Año 2007.

PROFESSIONAL

Service

- RIDGE Environmental Economics Workshop Research Director. Since 2019.
- Latin American Association of Environmental and Resource Economists. Board member. Since 2018.
- Member of the Evaluation Committee for the Clemente Estable Grant, National Research and Innovation Agency, Uruguay. 2011 and 2013 calls.
- Founder of the Uruguayan Society of Ecological Economics. 2010.

- Member, Evaluation Committee, Fulbright Scholarship (Economics), Fulbright Commission Montevideo, Uruguay. Desde 2009.
- Regional Representative (Elected), *Latin American and Caribbean Association of Environmental and Natural Resource Economists* (ALEAR). 2007.
- Delegate of the National Chamber of Commerce to the Environmental Advisory Board, Ministry of the Environment, 2000 - 2002.
- Delegate of the National Chamber of Commerce to the Montevideo Environmental Group of the Municipal Government of Montevideo, 2000 – 2002.

Experience

- Consultant specialized in the Economics of Natural Resources. Support of the preparation of the Project Document URU / 19 / G31 - Consolidating policies for the conservation of biodiversity and lands as pillars of sustainable development. July - December 2019. United Nations.
- Consultant, “The Economics of Enforcing Environmental Policy”. National Environmental Directorate, Uruguay. March – August 2018.
- Consultant, “Consultancy to assist in the design and implementation of a registration mechanism and quantification of climate change impacts in Uruguay”, National System for Climate Change Response, Uruguay. 2018-2019.
- Consultant, Project “Towards a System of Sustainable Public Procurement in Uruguay”, Agencia de Compras y Contrataciones del Estado (ACCE) y Oficina de Naciones Unidas de Servicios para Proyectos (UNOPS). 01/12/16 – 26/06/17.
- Co-consultant in Project “Assessment of Industrial Pollution Instruments for Uruguay: the case of SMEs”, World Bank, December 2013 – June 2014. (With Mariana Conte Grand, UCEMA).
- Team Member and coordinator, Project “Socio-Economic and Environmental Evaluation of the start and possible scenarios of increased Operations of Bulk Cargo of Forest Products in the port of La Paloma”. December 2013 – June 2014.
- Consultant for the study of the values of biodiversity and the development of a proposal for the implementation of a financial mechanism for its conservation and sustainable use. GEF Project "Updating National Biodiversity Strategy and development of an action plan for implementation of the Strategic Plan of the Convention on Biological Diversity 2011-2020 '- 2013 to 2014.

- Member of consulting team in charge of the writing the proposal of decree for the implementation of national value capture regulation in the Department of Colonia, Uruguay. 2013.
- Member of CPA Ferrere Technical Team, Technical Report – Aratiri Project Impact in Uruguay, May – June 2010.
- Consultant, “*National System of Protected Areas*” Project, National Environmental Authority, Uruguay.
- Consultant, *Environmental Impact Assessment 2007*, Compañía Forestal Oriental, S.A., Paysandú, Uruguay. (2007).
- Consultant, “*Elaboration of the Environmental Quality Norms for Natural Waters*”, Panama Government, Loan Contract 1222-OC-PN BID, N° CONS57-L
- Consultant, “*Support for the Development of the National Implementation Plan for Persistent Organic Pollutants in Uruguay*” Project, URU/02/012. 08/2005 – 04/2006.
- Consultant, Environmental Protection of the Río de la Plata and its Maritime Front: Pollution Prevention and Control and Habitat Restoration (RLA/99/G31), 2004.
- Assistant consultant in private projects evaluations (2001)
- Assistant Economic Advisor, Department of Economic Studies, National Chamber of Commerce, April 20th 1994 – August 20th 1998.

HONORS AND AWARDS

- Winner of call for studies on “Strategies and measures for mitigation and adaptation to climate change”, Economic Commission for Latin America and the Caribbean (ECLAC), EUROCLIMA Program. 2017.
- Fulbright NEXUS Program Scholar, May 2011 – April 2012.
- Member of the National System of Researchers, National Agency for Research and Innovation. Since 2008.
- Award for the presentation “The Determinant of Irregular Settlements” (with Verónica Amarante) in the international Seminar on Land Economics “Prof. Dr. Patricio Rodé”. Competition organized by the Municipal Government of Montevideo and the Ministry of the Environment. Montevideo, October 2006.

- Second prize, for “Effectiveness of the Enforcement of Industrial Emission Standards in Montevideo, Uruguay”, second edition of the National Award in Economics "Prof. Raúl Trajtenberg", November de 2004
- *Carolyn Harper Fellow 1999*, Department of Resource Economics, University of Massachusetts – Amherst, October 1999.
- *Fulbright Scholar 1998 – 2000*.

SEMINAR PRESENTATIONS

- 2019:
 - o Environment for Development Annual Meeting, Bogotá, Colombia, November.
 - o Second Workshop on Environmental Economics, Universidad Católica Argentina, October.
 - o Annual Conference of the Central Bank of Uruguay Uruguay
 - o Annual Conference of the European Association of Environmental and Resource Economists, (University of Manchester). June.
 - o Office of Agricultural Policy, Ministry of Livestock, Agriculture and Fishery. May
 - o Annual meeting of the Society for Environmental Law and Economics. Universidad Diego Portales. Santiago. March 15th and 16th.
- 2018:
 - o 6th World Congress of Environmental and Resource Economists (University of Gothenburg, Sweden), First Climate Change Economics Workshop, Catholic University, Argentina, April 23.
- 2017:
 - o Annual Conference of the European Association of Environmental and Resource Economists, (Athens University, Greece), V Workshop in Environmental Economics and Natural Resource Economics – University of Concepción (Chile)
- 2016:
 - o Central Bank of Uruguay (Montevideo, Uruguay); Agronomic Engineers XI National Congress (Montevideo, Uruguay); Tenth Annual Meeting, Environment for Development Initiative (Pucón, Chile).
- 2015:

- Academic Seminars: Annual Conference of the European Association of Environmental and Resource Economists, June 24-27 2015, Helsinki, Society for Environmental Law and Economics (SELE) 2015 Conference 21-22 May 2015, at the University of Groningen, the Netherlands.
- 2014:
 - Academic seminars: World Congress of Environmental and Natural Resource Economists (Istanbul), III Environmental Economics Workshop, Universidad de Concepción (Chile), Latin American and Caribbean Environmental Economics Program XVII Workshop (Costa Rica), Dirección Nacional de Medio Ambiente (Uruguay), Seminar “Air Quality and impacts on education and health: evidence for Montevideo and Santiago de Chile”, Inter-American Development Bank / University of Montevideo. Economics Annual Conference of the Central Bank of Uruguay.
- 2013:
 - Academic Seminars: Annual Conference of the European Association of Environmental and Resource Economists, University of Valencia, Second Workshop in Environmental Economics of the University of Concepción, Annual Conference of the Central Bank of Uruguay.
- 2012:
 - Academic seminars: Resources for the Future, University of Massachusetts – Amherst, Universidad Católica del Uruguay, Universidad ORT Uruguay, Universidad de Montevideo,
 - Congresses and Meetings: First Workshop on Environmental and Natural Resource Economics (organized by the Universidad de Concepción, Chile), Jornadas de Economía del Banco Central del Uruguay, II Jornadas de Economía Ecológica del Uruguay.
 - Otros:
 - Mesa redonda: *Pagos por servicios ambientales en Uruguay: panorama y perspectivas para su implementación*, Segundas Jornadas Uruguayas de Economía Ecológica - SEEU.
 - Seminario “Tributación y Medio Ambiente”, Facultad de Derecho, Universidad de la República.
 - Comisión de Medio Ambiente de la Cámara de Diputados, Montevideo, 6 de junio de 2012.

- Conferencia "La Economía Verde En Conferencia Rio+20". Organizada por el Consejo Uruguayo para las Relaciones Internacionales, la Fundación Konrad Adenauer y la Cámara Mercantil de Productos del País, Montevideo, 30 de mayo de 2012.
- Presentación informes final del proyecto financiado por el Programa Fulbright "Red Regional para Investigación Aplicada" (NEXUS), Washington DC, April 2012.
- World Congress of Environmental and Resource Economists, Montreal, Canada, June 28 – July 2, 2010.
- XXIV Annual Seminar of Economics, Central Bank of Uruguay, Montevideo, October 6th 2009.
- IAE Business School, Universidad Austral, Buenos Aires, Argentina, December 2008.
- XXIII Annual Seminar of Economics, Central Bank of Uruguay, Montevideo, August 5th 2008.
- 16th Annual Conference, European Association of Environmental and Resource Economists, Gothenburg, Sweden, June 2008.
- III Congress of the Latin American and Caribbean Association of Environmental and Natural Resource Economists, Talca, Chile, September 2007
- Universidad de Concepción, Chile, June 2006
- Universidad Torcuato di Tella, Buenos Aires, Junio 2005.
- II Congress of the Latin American and Caribbean Association of Environmental and Natural Resource Economists, Oaxaca, México, March 2005.
- I Congress of the Latin American and Caribbean Association of Environmental and Natural Resource Economists, Cartagena de Indias, Colombia, July 9 - 11 2003.
- "Economic Instruments in Environmental Policy. The Case of the General Law of Environmental Protection"; University of Montevideo, May 2001.

REFEREEING

2020: *Resource and Energy Economics*

2019: *Climatic Change*

2017: LACEA-LAMES Annual Meeting, Buenos Aires.

2015: Fondo Clemente Estable, Agencia Nacional de Innovación e Investigación (Uruguay).

2014: Latin American and Caribbean Environmental Economics Program, Agencia Nacional de Innovación e Investigación (Uruguay).

2013: 4to Encuentro Latinoamericano de Economía de la Energía

2012: *Environment and Development Economics*, Agencia Nacional de Investigación e Innovación de Uruguay – Fondo Clemente Estable y Becas de Posdoctorado Nacional Fondo Prof. Dr. Caldeyro Barcia

Pre-2012: *Environment and Development Economics*, *Journal of Applied Economics*, *Latin American Environmental Economics Program*, Agencia Nacional de Investigación e Innovación de Uruguay, *Latin American and Caribbean Economic Association*, *Asociación Latino Americana y del Caribe de Economistas Ambientales y de Recursos Naturales*.

MEDIA

- [Entrevista Radio Uruguay](#), 17 de enero de 2020.
- Entrevista central en Suplemento Economía y Mercado del El País, Montevideo, 16 de setiembre de 2019. (<https://www.elpais.com.uy/economia-y-mercado/amazonia-economia-ambiental.html>).
- [Entrevista en “La Canoa” de Radiomundo](#). 15 de julio de 2019
- [“Grupo de investigadores comprobó que la erosión reduce un poco más de US\\$ 1.000 el precio de un campo promedio”](#), Búsqueda, 10 de julio de 2019
- [“Se necesita que los votantes demanden calidad ambiental”](#), El Observador, 12/3/2018.
- [“El impacto contaminante de UPM II en un río Negro muy dañado”](#), Suplemento Economía y Mercado del diario El País, Montevideo, Uruguay, 18/12/2017.
- [Entrevista en Suena Tremendo](#), Radio El Espectador. Montevideo, Uruguay - 2 de junio del 2017.
- [Entrevista en Rompkbzaz: "El que rompe tiene que paga"](#), Radio El Espectador. Montevideo, Uruguay - 9 de Febrero 2017.
- [“Pros y contras del acuerdo sobre cambio climático”](#), Suplemento Economía y Mercado del diario El País, Montevideo, Uruguay, 28/12/2015.
- [“La Economía Ambiental no se toma en cuenta para el diseño de políticas”](#), Suplemento Economía y Mercado del diario El País, Montevideo, Uruguay, 05/08/2013.
- Entrevistas en Diario El País, Suplemento Economía y Mercado, 06/12/10, 22/01/04 y 29/07/02.
- Entrevista Semanario Búsqueda, 26 de febrero de 2009.
- Entrevista Diario La Diaria, abril 2006
- Entrevista Semanario Búsqueda, 11/11/04 (nota Diario El País el mismo día).
- Columna Diario El Observador, Suplemento Café y Negocios, 01/07/01

