

CV, JESSICA CORIA

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Date of Birth: 05/19/1979

Citizenships: Chilean / Swedish

Areas of Interest

Environmental economics, industrial organization, regulatory economics and applied microeconomics.

Current Research: My work lies on multi-governance of environmental issues, the effects of the choice of market-based policy instruments on the rate of compliance with environmental regulations and adoption of environmentally friendly technologies. I have paid special attention to the potential for using tradable permit approaches in economies in transition and developing countries. In this area, I have extensively analyzed the design, implementation and performance of emissions trading schemes in Santiago, Chile.

Education:

Ph.D. in Economics at Pontificia Universidad Católica de Chile, 2007
M.A. Public Policy, Pontificia Universidad Católica de Chile, 2003
BSc Economics, Pontificia Universidad Católica de Chile, 2002
BSc Business, Pontificia Universidad Católica de Chile, 2002

Academic and Professional Activities

April 2013 Associate Professor/ Docent, Department of Economics and Law, University of Gothenburg, Sweden.
Dec 2012 - Assistant Professor/ Biträde Lektor, Department of Economics and Law, University of Gothenburg, Sweden.
2008- 2012 Research Fellow, Department of Economics and Law, University of Gothenburg, Sweden.
2006-2007 Assistant Professor, Department of Business and Economics, Universidad Diego Portales, Santiago, Chile.
2002- 2005 Instructor, Department of Economics, Pontificia Universidad Católica de Chile.
Fall 2004 Visiting Fellow, Economics Department of the Graduate School of Arts and Sciences, Harvard University, United States.

1999- 2004 Research Assistance in many projects at the Economics Institute and School of Business, Pontificia Universidad Católica de Chile

Publications:

- Ambec, S. and J. Coria (2013). Prices vs. Quantities with Multiple Pollutants, *Journal of Environmental Economics and Management* 66(1): 123-140
- Coria, J. and C. Villegas-Palacio (2013). Regulatory Dealing in a Developing Country: Technology Adoption vs. Enforcement Stringency, forthcoming in *Contemporary Economic Policy*.
- Coria, J. and M. Hennlock (2012): “Taxes, permits and costly policy response to technological change”, *Environmental Economics and Policy Studies* 14(1):35-60.
- Coria, J. and E. Calfucura (2012): “Ecotourism and the development of indigenous communities: The good, the bad, and the ugly”, *Ecological Economics* 73(15): 47-55.
- Coria, J. and T. Sterner (2011): “Natural Resource Management: Challenges and Policy Options”, *Annual Review of Resource Economics* 3: 203-230.
- Coria, J. (2011): “Environmental Crises’ Regulations, Tradable Permits and the Adoption of New Technologies”, *Resource and Energy Economics* 33(3): 455-476.
- Villegas C. and J. Coria (2010): "On the Interaction between Imperfect Compliance and Technology Adoption: Taxes vs. Tradable Emissions Permits", *Journal of Regulatory Economics* 38(3): 274-291.
- Coria, J., Å. Löfgren and T. Sterner (2010). Trade or Not to Trade: An Analysis of Trading Schemes at the Firm Level, *Journal of Environmental Management* 91: 2126-2133.
- Coria, J. and T. Sterner (2010): “Tradable Permits in Developing Countries: Evidence from Air Pollution in Santiago, Chile”, *Journal of Environment and Development* 19(2), pp 145-170.
- Coria, J. (2009): “Environmental Policy, Fuel Prices and the Switching to Natural Gas in Santiago, Chile”. *Ecological Economics*, 68 (11): 2877-2884.
- Coria, J. (2009): “Taxes, Permits and the Diffusion of a New Technology”, *Resource and Energy Economics* 31 (4): 249-271.
- Sánchez, J.M. and Coria, J. (2003): “Using a Hypothetical – Efficient Firm to Benchmark Water Utilities”. *Latin American Journal of Economics*, December.

Other Publications (In Spanish)

- Calfucura, E.; Coria, J. and J.M. Sánchez (2009): “Permisos Transables De Emisión En Chile: Lecciones, Desafíos Y Oportunidades Para Países En Desarrollo”, *El Trimestre Económico* 304, pp. 1027-1069.
- Sánchez, J.M.; Coria, J. and G. Lagos (2005): “Metodología Para La Elaboración De Una Norma De Calidad Ambiental: El Caso De La Fundación Paipote”. *Minería y Desarrollo*, September.
- Coria, J. and P. Marshall. (2001): “Análisis Conjunto: Una Aplicación Al Caso de Ingenieros Comerciales en Chile”. *ABANTE*, May.

Working Papers

- Bonilla, J., J. Coria and T. Sterner. Synergies and Trade-offs between Climate and Local Air Pollution in Sweden.
- Coria, J., J. Bonilla, M. Grundström, and H. Pleijel. Air Pollution Dynamics and the Need for Temporarily Differentiated Policy Instruments.
- Coria, J. and K. Mohlin. Refunded Emissions Payment and Technological Diffusion.
- Coria, J., C. Villegas-Palacio and J.C. Cárdenas. Why Do Environmental Taxes Work Better in Developed Countries?
- Coria, J., C. Villegas-Palacio and J.C. Cárdenas. Should we tax or let firms to trade emissions? An experimental analysis with policy implications for developing countries.

Work in Progress

- Grundström, M., J. Bonilla, J. Coria, and H. Pleijel. El Niño – Southern Oscillation strongly influences air quality in Bogota, Colombia.
- Coria, J. Market-Based Environmental Regulations and Industrial Turnover.
- Ambec, S. and J. Coria. On the Governance of Multiple Pollutants.
- Coria, J. and E. Kyriakopoulou. Size Distribution of Firms and Environmental Regulations.
- Coria, J. and J. Jaraite. Transaction Costs and Tiering of Environmental Regulations
- Coria, J., M. Jaime and X. Liu. Synergies and Trade-offs between the Agricultural and the Environmental Pillar of the European Union Common Agricultural Policy.
- Coria J., M. Hennlock and T. Sterner. Climate Change, NOx emissions and the Effects of Using Policy Packages in Sweden.
- Coria, J. and X. Zhang. The Harrington Paradox Squared.
- Coria, J. and X. Zhang. Optimal Road Pricing and Integrated Daily Commuting Patterns
- Kasimir Klemetsson, Å., J. Coria, H. He, X. Liu and A. Nordén. An Ecological-Economic Analysis of Climate Mitigation through Rewetting of Drained Wetlands

Reports

Coria, J., M. Hennlock, Å. Löfgren, M. Persson, Patrik Söderholm, T. Sterner and M. Wråke. (2010): *“The Progress of GHG Markets: Opportunities and Risks”*, Report for the Swedish Environmental Protection Agency.

Books

Sterner, T. and J. Coria (2011), *“Policy Instruments for Environmental and Natural Resource Management”* (Second Edition). RFF Press.

Book Chapters

Coria, J. (2011), “Fuel Taxes in Europe”, in: *Cars and Carbon - Automobiles and European Climate Policy in a Global Context*, Zachariadis T. (ed.), Springer Science+Business Media, 2012. ISBN 978-94-007-2122-7.

Coria, J., E. Robinson, H.G. Smith, and T. Sterner (2012), “Biodiversity Conservation and Ecosystem Services Provision: A Tale of Confused Objectives, Multiple Market Failures and Policy Challenges”, forthcoming in: Handbook of the Economics of Biodiversity and Ecosystem Services.

Main Conferences

2013

Invited Guest Speaker Resources for the Future, Washington DC, United States.

Invited Guest Speaker Swedish University of Agricultural Sciences, Uppsala, Sweden.

2012

Invited Speaker Workshop on Congestion Charges and Air Pollution, Gothenburg Atmospheric Science Centre

Invited Guest Speaker Seminar Series Singapore University of Management.

Invited Guest Speaker Economics Seminar Series, Universitat de les Illes Balears, Spain.

Invited Guest Speaker Environmental and Resource Economics Seminar Series, INRA-LERNA, Toulouse School of Economics, France.

Invited Keynote Speaker Bergen Economics of Energy and Environment Research Conference, May 15-16, Norway.

EAERE 19th Annual Conference, Prague, Czech Republic.

2011

Invited Guest Speaker Centre for Environmental and Resource Economics Seminar Series, Umeå University.

EAERE 18th Annual Conference, Rome, Italy.

2010

Invited Speaker at the Beijing Forum, University of Beijing, China

Fourth World Congress of Environmental and Resource Economists, Montreal, Canada.

Guest Speaker at the Beijer Institute of Ecological Economics Seminar Series, Stockholm, Sweden

2009

Invited Guest Speaker UK Network of Environmental Economists 2009 Seminar Series: “Meeting Carbon Budgets – the need for a step change and the opportunity to use a mix of instruments”

EAERE 17th Annual Conference, Amsterdam, the Netherlands.

IV Congress of the Latin American and Caribbean Association of Environmental and Natural Resources Economists, Heredia, Costa Rica.

Invited Guest Speaker Kiel Institute for the World Economy Seminar Series, Germany.

Invited Guest Speaker Norwegian University of Life Sciences Seminar Series, Ås, Norway.

2008

EAERE 16th Annual Conference, Gothenburg, Sweden.

2007

III Congress of the Latin American and Caribbean Association of Environmental and Natural Resources Economists, Talca, Chile.

12th Annual Meeting of the Latin American and Caribbean Economic Association, Bogotá, Colombia.

2006

11th Annual Meeting of the Latin American and Caribbean Economic Association, Mexico City, Mexico.

Annual Meeting of the Chilean Association of Economists (SECHI), La Serena, Chile.

Research Visits

Spring 2013 Visiting Scholar, Resources for the Future, United States.

Autumn 2012 Visiting Researcher, Singapore University of Management.

Fall 2010 Visiting Researcher, Universidad Nacional de Colombia, Sede Medellín.

Spring 2009 Visiting Scholar, Resources for the Future, United States.

Teaching Experience: (U: undergraduate, G: graduate)

Environmental Economics (U, G)

Econometrics (G)

Microeconomics (U)

Industrial Organization (U, G).

Teaching hours (in front of desk):

Undergraduate level: 314 hours

Graduate level: 229 hours

Total: 543 hours

I have taught at the Department of Economics at the University of Gothenburg and Physical Resource Theory at Chalmers University of Technology in Sweden and at Pontificia Universidad Católica de Chile and Universidad Diego Portales in Santiago, Chile.

Supervisions of PhD Candidates, Master and Undergraduate Students

Department of Economics, University of Gothenburg, Sweden.

Undergraduate Level

Annica Ingeman: "Environmental tax revenues and emissions in Europe".

Oskar Falk: "Nonpoint pollution and the Baltic Sea Action Plan".

Jonas Wannefors och Sabina Eliasson: "Är miljövänliga företag en bra investering? – en portföljstudie av företags finansiella- och miljömässiga prestanda".

Emma Hammarsten and Peter Röhr: "The effects of different policies affecting the composition of the district heating in Sweden".

Master Level

Haben Tekie: "Parking Taxes as an Instrument for Traffic Restraint in Gothenburg, Sweden".

Ida Muz: Why the attitude? An analysis of attitudes towards the congestion charge in Gothenburg prior to implementation

PhD Level

Marcela Jaime:

Xiao-Bing Zhang: “Policies to reduce air pollution in China”

Kristina Mohlin: “Essays of the Effects of Environmental Taxes”.

Jorge Bonilla: “Essays on the Economics of Air Quality”

Universidad Diego Portales, Santiago, Chile.

Undergraduate Level

Nicolas Ricardi (“Efectos de la Educación Pre-Escolar en el Desempeño Escolar y la Superación de la Pobreza”).

External Opponent and Examiner Licentiate and PhD Theses

Martin Lindqvist (Licentiate Thesis). Cost effective abatement of the Baltic Sea – climate change and technological development. Swedish University of Agricultural Sciences, Uppsala, Sweden.

Claudine Uwera (PhD Thesis). Water Demand and Financing in Rwanda: An Empirical Analysis. University of Gothenburg, Sweden.

Niklas Arvidsson (PhD Thesis). Essays on operational freight transport efficiency and sustainability. University of Gothenburg, Sweden.

Professional Services and Associations

- Member of the evaluation panel for Evaluation panel for natural resources and environment U-Forsk, Swedish Research Council 2013.
- Member of the Program Committee of the EAREE conference 2008, 2009, 2011, 2012 and 2013.
- Member of the Program Committee of the IV Congress of the Latin American and Caribbean Association of Environmental and Natural Resources Economists, Heredia, Costa Rica, 2009
- Member American Economics Association (AEA)
- Member Latin American and Caribbean Economic Association (LACEA)
- Member Association of European Environmental and Resource Economists (EAERE)

Referee

Journal of Environmental Economics and Management, Journal of Public Economic Theory, Journal of Environment and Development, Resources and Energy Economics, Ecological Economics, Environmental and Resource Economics, International Tax and Public Finance, Journal of Applied Economics, Energy Policy, Latin American Journal of Economics, AMBIO.

Administrative Activities

Coordinator at the Department of Economics, University of Gothenburg of the BECC (Biodiversity, Ecosystems and Climate Change) Research Program funded by the Swedish Research Council Vetenskapsrådet (VR) 2010-2014.

In charge of the seminar series at the Environmental Economic Unit, Department of Economics, University of Gothenburg from 2009 to 2011.