

HÉCTOR M. NÚÑEZ

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EDUCATION

- PhD. Agricultural and Applied Economics, University of Illinois at Urbana-Champaign. (Expected August 2012).
 - Academic Specialization: Environmental and Natural Resource Economics.
 - Dissertation project: A Prospective Analysis of Brazil and the U.S. Biofuel Trade: Direct and Indirect Land Use Changes. Chair: Hayri Önal.
- M.S. Economics. Universidad Nacional de Colombia. Bogotá, Colombia. (2004).
 - Academic Specialization: Theory and Political Economy.
 - Thesis: A Colombian Inflation Forecast Evaluation. Academic Advisors: Luis F. Melo and Enrique López.
- B.S. Economics. Universidad Nacional de Colombia. Bogotá, Colombia. (2002).

RESEARCH INTERESTS

- Primary: Energy and Environmental Economics
- Secondary: Optimization Modeling, Applied Econometrics, and Time Series Analysis.

PUBLICATIONS

- Núñez, H., L. Rodríguez, and M. Khanna, (2011). Agave for tequila and biofuels: an economic assessment and potential opportunities. *Global Change Biology Bioenergy*. 3. 43–57.
- Núñez, H., (2005). A Colombian Inflation Forecast Evaluation under Inflation Targeting (in Spanish). *Revista de Economía del Rosario*. Bogotá, Colombia. 8 (2). 151-185.

WORK IN PROGRESS

- A Prospective Analysis of Brazil and the U.S. Biofuel Policies: Impact on Land Use, Greenhouse Gas Emissions, and Social Welfare Using a Spatial Multi-Market Equilibrium Model. With Hayri Önal.
- Optimal Allocation of Land for Conservation: A General Equilibrium Analysis. With Sahan T. M. Dissanayake.
- Economic Impacts of Soybean Rust on the U.S. Soybean Sector. With Miguel Gómez and Hayri Önal.

WORKING PAPERS

- Núñez, H., and L.F. Melo, (2004). Inflation Forecast Combination under Structural Changes. (In Spanish). Working Papers. Central Bank of Colombia.

AWARDS, GRANTS, AND FELLOWSHIPS

- AAEA trust grant to support participation in the 2011 AAEA & NAREA Joint Annual Meeting (2011).
- Fellowship from Colombian Agency Colfuturo to study abroad given to selected Colombian students (2010).
- Graduate Research Assistantship. Department of Agricultural and Consumer Economics. University of Illinois at Urbana-Champaign (2008-2011).

RESEARCH EXPERIENCE

- Research Assistant to:
 - Hayri Önal. Projects: 1. U.S. and Brazil Biofuel trade policy and, 2. Economic Impact of Soybean Rust in the U.S. University of Illinois at Urbana- Champaign and Energy Bioscience Institute, Urbana, IL. (2008-2012).
 - Madhu Khanna. Project: Economic evaluation of Ethanol from Agave in Mexico. Energy Bioscience Institute, University of Illinois at Urbana- Champaign, IL. (Summer 2010).
 - Miguel I. Gomez. Project: Partial Equilibrium Model for Economic Impact of Soybean Rust in the U.S. University of Illinois at Urbana- Champaign, IL. (2008).
 - Luis F. Melo. Project: Inflation Forecast Combination under Structural Changes. Central Bank of Colombia. Bogotá, Colombia. (2003).
 - Jorge I. Gonzalez. Project: Network of Philosophy of Economics. Universidad Nacional de Colombia. Bogotá, Colombia. (2000-2002).

PROFESSIONAL EXPERIENCE

- Analyst. Treasury Department. Central Bank of Colombia. Bogotá, Colombia. (2004-2007).

TEACHING EXPERIENCE

- Instructor for
 - The Intensive Summer Math Camp for new incoming ACE Graduate Students. Department of Agricultural & Consumer Economics. University of Illinois at Urbana-Champaign. (August 2011).
 - Introductory Econometrics. Economics. Undergraduate Program. Department of Economics. Universidad del Rosario. Bogotá, Colombia. (Second Semester 2006 to Second Semester 2007).
 - Introductory Economics. Economics. Undergraduate Program. Department of Economics. Escuela Colombiana de Ingeniería. Bogotá, Colombia. (First Semester 2003).
- Teaching Assistant for
 - Econometrics I. Business Administration. PhD program. Department of Business Administration. Universidad de los Andes. Bogotá, Colombia. (Second Semester 2007).
 - Advanced Econometrics. Economics. Master Program. Department of Economics. Universidad del Rosario. Bogotá, Colombia. (Second Semester 2003 to Second Semester 2007).

CONFERENCE PRESENTATIONS

- Prospective Analysis of Brazil and the U.S. Biofuel Policies:
 - Agricultural and Applied Economics Association, AAEA & NAREA Joint Annual Meeting, Pittsburgh, PA (July 2011).
 - Association of Environmental and Resource Economists, AERE Meeting, Seattle, WA (June 2011).
- Optimal Allocation of Land for Conservation: A General Equilibrium Analysis:
 - Heartland Environmental and Resource Economics Workshop, University of Illinois at Urbana-Champaign, IL (October 2010).
 - Agricultural and Applied Economics Association, AAEA & ACCI Joint Annual Meeting, Denver, CO (July 2010).
- Impact of Public Policies for the Soybean Sector on the Deforestation of Brazilian Amazon:
 - Midwest Graduate Student Summit on Regional, Population and Health Economics. Purdue University, IN (April 2010).
- Economic Impacts of Soybean Rust on the U.S. Soybean Sector.
 - Agricultural and Applied Economics Association, AAEA & ACCI Joint Annual Meeting. Milwaukee, WI (July 2009).

OTHER INFORMATION

- Languages: Spanish (Native), English (Fluent), Portuguese (Good).
- Affiliations: Agricultural & Applied Economics Association (AAEA) and Association of Environmental & Resource Economists (AERE).
- Referee Services: Colombian Journal of Statistics.
- Computer & Software Skills:
 - Optimization and Simulation: GAMS (Good), STELLA (Good), MATLAB (Fair).
 - Econometrics: Stata (Good), SAS (Good), R (good), RATS (Good), EViews (Good), GeoDa (Fair).
 - Other: ArcGIS (Fair), LaTeX (Good), Microsoft Office (Good).

REFERENCES

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Información y datos personales eliminados con fundamento en los artículos 3, fracción II, 18, fracción II, 20, 21 y 42 de la LFTAIPG y 30 de su Reglamento