
Department of Agricultural Economics
206C Filley Hall
Lincoln, NE 68583-0922
(402) 472-1913 (Office)
(402) 730-2124 (Personal)
juampase@hotmail.com

Juan Pablo Sesmero
University of Nebraska, Lincoln

Education:

Ph.D. Candidate, Agricultural Economics. University of Nebraska – Lincoln.
Expected graduation date: Summer, 2009.

M.Sc. in Economic Theory (ABD). Universidad de San Andrés. 2003. Main
Fields: monetary economics and business cycles.

B.Sc. in Economics. Universidad Nacional del Nordeste, Argentina. 2001.

Research and Teaching Interests

Environmental and Resource Economics, Sustainable Development, Energy
Economics, Industrial Organization and Production Economics.

Dissertation:

Title: “*Equity-Efficiency Interdependence in Emission Allowances Markets and
Its Implications for Climate Policy*”

Chapter 1: “Income Effects and Efficient Allocation of Allowances in Carbon
Markets.” This chapter uses a two-sector general equilibrium model of a
country’s economy to investigate the relationship between wealth
distribution and optimal level of a cap shaped by income effects of
alternative permits allocations in the context of a carbon market. This result
is then used to identify the efficient distribution of permits given an overall
level of emissions established by the regulator.

Chapter 2: “International Environmental Agreements: Stability, Equity and
Efficiency.” This chapter analyzes International Environmental Agreements
(IEA) for greenhouse gases and applies coalitional game theory to depict
distributions of allowances across countries that render an IEA both optimal
(efficient) and stable (equitable).

Chapter 3: “Regional versus Global International Environmental Agreements
for CO₂ Emissions Reduction.” I conduct here a welfare evaluation and
comparison of global versus regional environmental agreements based on
the potential trade-off between stability and efficiency derived in Chapter 2.

Publications:

“Efficiency in Midwest US Corn Ethanol Plants: A Plant Survey.” (With
Richard Perrin and Nickolas Fretes), *Energy Policy*, Volume 37, Issue 4, April
2009, Pages 1309-1316.

“How Much Ethanol, Ultimately?” (With Richard Perrin), *Cornhusker
Economics Newsletter*, October, 2007.

Working Papers

“Technical, Environmental, and Allocative Efficiency in Midwest US Corn Ethanol Plants”, 2009, with Richard Perrin and Lilyan Fulginiti. *Accepted as selected presentation at the 2009 AAEA Meetings in Milwaukee, WI.*

“Chinese Regional Agricultural Productivity: 1994-2005”, 2009, with Haizhi Tong and Lilyan Fulginiti. *Accepted as selected presentation at the 2009 IAAE Meetings in Beijing, China.*

“The Role of Substitution and Biased Technological Progress in Sustainable Consumption with Resource Depletion”, 2008, with Lilyan Fulginiti. *Selected presentation at the 2008 AAEA Meetings in Orlando, FL.*

“Income Effects and Efficient Allocation of Allowances in Carbon Markets”, 2008, with Karina Schoengold.

Work in Progress:

“Electricity-Price Elasticity of Demand for Irrigation Water in Mexico”, with Karina Schoengold.

“Internal Pressures in Open Membership Cooperatives: Achieving Cooperation in Repeated Games Played by Overlapping Generations of Players”, with Konstantinos Giannakas and Murray Fulton.

“International Environmental Agreements: The Role of Allowances’ Distribution in Stability, Equity and Efficiency”.

“Welfare Comparison of Regional vs. Global International Environmental Agreements for CO2 Emissions Reduction”.

“Technology Diffusion, Transnational Spillovers and Pareto Optimality: the Case of GM Seeds”, with Konstantinos Giannakas.

“Ex Ante Multi-Market Analysis of Technological Change with a Logistic Technology Diffusion”, with Richard Perrin.

“A Real Options Approach to Explain Different Technology Diffusion Patterns in Less Developed Countries and Developed Countries”, with Lilyan Fulginiti.

“Crop Rotation and Investment in Soil Conservation”, with Lilyan Fulginiti and Richard Perrin.

Teaching experience:

University of Nebraska at Lincoln, Agricultural Economics Department:

Graduate Student Instructor: “Economics of Production and Supply” (AECN 901a), Fall 2009 (PhD Level). Responsibilities: Co-teaching the course with Dr. Lilyan Fulginiti and Dr Richard Perrin. Specifically, I was in charge of lecturing on technical aspects of production economics: theory and empirical implementation.

Graduate Student Instructor: “Microeconomic Models and Applications” (AECN 873), Fall 2008 (M.Sc. Level). Responsibilities: Co-teaching the Masters Microeconomic Theory course with Dr Richard Perrin, Dr Konstantinos Giannakas and Prof. Gibson Nene. Specifically, I was in charge of teaching production economics, profit maximization and supply, and uncertainty and risk.

Teaching Assistant: “Micro-foundations of Economic Growth and Development” (AECN 901e), Fall 2008 (Ph.D. level). Responsibilities: Collaboration in the updating of the course syllabus, improve accessibility of material referenced in the syllabus to students and proctoring of exams.

University of Nebraska at Lincoln, Undergraduate Honors Program:

Teaching Assistant: “Carbonomics: Can Bioenergy Save the World?” (UHON 395), Spring 2008 (undergraduate). This is a seminar course for seniors and juniors honors students. Responsibilities: lecturing on Cost-Benefit analysis of climate policies, discussion of the “Stern Review on the Economics of Climate Change” and evaluation of students’ presentations.

Teaching Assistant: “Energy & Environment: Economics & Policy”. (ENSC 230) Spring 2009 (undergraduate). This is one of three required core courses for the new Energy Science Minor at UNL. Responsibilities: lecturing on cap-and-trade design, carbon taxes and “green subsidies”.

Grants:

Co-Principal Investigator in the project *“The Great Plains Agro-ecosystem: Sustainability of Soil Carbon and Groundwater Ecosystem Services under Increasing Demands for Food and Ecologically Intensified Production Technology”*. This project was submitted under the Renewable Energy, Natural Resources, and Environment - Global and Climate Change program jointly offered by USDA and EPA. The project extends from October 1, 2009 to September 30, 2012 for a total budget of \$490,000

Conferences and Presentations

2009: “Chinese Regional Agricultural Productivity in the 1990’s”, 2009, with Haizhi Tong and Lilyan Fulginiti. *Selected presentation at the 2009 IAAE Meetings in Beijing, China.*

2009: “Allocative and Environmental Efficiency in Midwest US Corn Ethanol Plants”, 2009, with Richard Perrin and Lilyan Fulginiti. *Selected presentation at the 2009 AAEA Meetings in Milwaukee, WI.*

2008: “*Conservation Needs Assessment: Sustainability with Substitution and Biased Technical Change*”. Presented as a selected presentation at the AAEA & ACCI 2008 Joint Annual Meeting, Orlando, Florida.

2008: “*Corn Ethanol Production Costs: Results from a Survey of Seven Plants from the North Central Region, 2008*”. Presented at the AAEA Organized Symposium: Sustainable Biorefining Systems: Preliminary Findings from the NC506 Project, AAEA & ACCI 2008 Joint Annual Meeting, Orlando, Florida.

- 2008: “*Corn Ethanol Production Costs: Preliminary Results from a Survey of Plants in the North Central Region*”, with Richard Perrin and Nickolas Fretes. Presented at the 2008 NC506 Regional Project Meeting “Sustainable Biorefining Systems for Corn Ethanol in the North Central Region” in Des Moines, IA.
- 2006: “*Small Firms’ Financial Restrictions and Investment Behavior*”, with Lic. Susana de Gelman. 2005 “Jornadas Científicas y Tecnológicas, Secretaría Nacional de Ciencia y Tecnología”.
- 2004: “*Idiosyncratic Shocks and Evolution of Regional Economies*”, with Lic. Susana de Gelman. 2004 “Jornadas Científicas y Tecnológicas, Secretaría Nacional de Ciencia y Tecnología”.
- 2004: Presenter at the “First Seminar on Discrete Choice Models and Their Estimation using STATA” Universidad Nacional del Nordeste (March, 2004).
- 2004: Presenter at the “First Seminar on Game Theory and Its Applications” Universidad Nacional del Nordeste (March, 2004).

Work Experience:

Research Assistant to Professor R. Perrin. Department of Agricultural Economics, University of Nebraska-Lincoln, Fall 2007-present. Areas: Biofuels, Price Efficiency Analysis.

Research Assistant to Professor L Fulginiti. Department of Agricultural Economics, University of Nebraska-Lincoln, Fall 2005 to Spring 2007. Areas: Role of Institutions, Health (epidemics) and Risk in Productivity Growth.

Researcher for the National Office of Science and Technology. Universidad Nacional del Nordeste, Argentina, Fall 2004 to Spring 2006. Areas: Financial Restrictions Facing Small Firms and Investment Behavior.

Researcher for the National Office of Science and Technology. Universidad Nacional del Nordeste, Argentina, Fall 2002 to Spring 2004. Areas: Idiosyncratic Shocks and Regional Development.

Honors, Scholarships and Fellowships Awarded

- 2009: *Citation of Merit: In recognition of outstanding performance as a PhD student.* Department of Agricultural Economics, Institute of Agriculture and Natural Resources, University of Nebraska-Lincoln.
- 2008: David H. & Annie E. Larrick Student Research Travel Award for participating in the AAEA 2008 Annual Meeting. Agricultural Research Division, IANR, University of Nebraska-Lincoln.

- 2008: Graduate Student Travel Grant associated with participation in the 2008 AAEA & ACCI Joint Annual Meeting in Orlando. American Agricultural Economics Association Foundation.
- 2008: *J.B. Hassler Research Citation*. In recognition of outstanding research accomplishment as a graduate student in the Department of Agricultural Economics, Institute of Agriculture and Natural Resources, University of Nebraska-Lincoln.
- 2007: *Widaman Trust Distinguished Graduate Assistant Award*. In recognition of high merit and outstanding basic research potential in agriculture.
- 2006-2007: *Cooper-Sharpless Fellowship*. Recruitment of Exceptional Graduate Students. Institute of Agriculture and Natural Resources, University of Nebraska-Lincoln.
- 2005-2006: *Cooper-Sharpless Fellowship*. Recruitment of Exceptional Graduate Students. Institute of Agriculture and Natural Resources, University of Nebraska-Lincoln.
- 2005-2006: *William Tomek Fellowship*. Outstanding Graduate Student, Department of Agricultural Economics, University of Nebraska-Lincoln.
- 2004-2006: *Research Scholarship*: “Beca de Perfeccionamiento”, awarded by the Science and Technology National Secretary, Universidad Nacional del Nordeste, Argentina.
- 2002-2004: *Research Scholarship*: “Beca de Iniciación”, awarded by the Science and Technology National Secretary, Universidad Nacional del Nordeste, Argentina.
- 2001-2002: *Full Tuition Scholarship* 2001-2002, M.Sc. in Economics, Universidad de San Andrés; Buenos Aires-Argentina.

Referee:

Agricultural Economics, Journal of Agricultural and Food Industrial Organization.

Additional Information:

Language: English (fluent), Spanish (native).
 Experience in the following softwares: SAS, STATA, GAUSS, Shazam, Matlab and Microsoft Office.

Professional Affiliation:

American Agricultural Economics Association

References:

Dr Lilyan Fulginiti.
 Professor, Department of Agricultural Economics, University of Nebraska-Lincoln
 307C Filley Hall. Lincoln, NE 68583-0922, USA
 Email: lfulgini@unlnotes.unl.edu
 Phone: (402) 472-0651 (direct)
 (402) 472-0651 (secretary)
 (402) 472-3460 (fax)

Dr Richard Perrin.

Roberts Professor, Department of Agricultural Economics, University of
Nebraska-Lincoln

307C Filley Hall. Lincoln, NE 68583-0922, USA

Email: rperrin@unlnotes.unl.edu

Phone: (402) 472-9818 (direct)

Dr Karina Schoengold.

Assistant Professor, Department of Agricultural Economics, University of
Nebraska-Lincoln

307A Filley Hall. Lincoln, NE 68583-0922, USA

Email: kschoengold2@unlnotes.unl.edu

Phone: (402) 472-2304 (direct)

(402) 472-3460 (fax)

Dr Konstantinos Giannakas.

Professor, Department of Agricultural Economics, University of
Nebraska-Lincoln

216 HC Filley Hall. Lincoln, NE 68583-0922, USA

Email: kgiannak@unlnotes.unl.edu

Phone: (402) 472-2041 (direct)