

Sergio Colin-Castillo

Department of Agricultural Economics
Texas A&M University
TAMU 2124, 308B Blocker Building; College Station, TX 77843-2124

Phone: 979-693-5303 home, or 979-862-4398 office; Fax: 979-845-4261
scolin_mx@yahoo.com

EDUCATION

Ph.D. Agricultural Economics , Texas A&M University, USA	Aug 2011
M.S. Applied Economics , El Colegio de la Frontera Norte, México	1994
B.A. Agricultural Economics , A. University of Chapingo, México	1990

RESEARCH INTEREST

Environmental economics and policy, production economics and experimental economics

RESEARCH EXPERIENCE

Dissertation

"Measuring the potential of adopting the self governance for the fisheries management and the effect of the fisher's efficiency" Chair: Dr Richard T. Woodward.

The research evaluates the perception of individuals, users of a natural resource like a reservoir, towards the implementation of self governance for the management (SGM) of the fishery. The self governance is a system where the individuals organize to take decisions and actions for the conservation and use of the resource. The research contributes in the discussion that fisheries management needs a comprehensive analysis of economic efficiency and the type of governance. Specifically, it fills two gaps. First, it is an ex-ante assessment of the potential for self governance. Second, it helps to understand how technical efficiency relates to the likely adoption of self governance. Key findings indicate a positive relationship between technical efficiency and the self governance. The more efficient fisher will favor more the potential adoption of SGM. This research may support the environmental decision making process in the fisheries.

Research Assistant

August 2008 – May 2010

Department of Agricultural Economics, Texas A&M University

Working in the evaluation of a water quality credit trading (WQT) program. Under WQT, farmers and the big polluters (i.e. wastewater treatment plant owners) can trade the rights to emit nutrient loads to control pollution. My work with Dr. Woodward focused on a WQT program in the Great Miami River, the largest and successful nutrient trading program in the USA.

Researcher at INE

Feb 1995 – Nov 2003

Environmental Economics Office at the National Institute of Ecology (INE-SEMARNAT), Mexico.

- ⇒ *Sub Director of Economic Valuation and Indicators* (Mar 2003 - Nov 2003)
- ⇒ *Sub Director of Economic Instruments and Environmental Markets* (Sept 1998 – Mar 2003)
- ⇒ *Chief Department of Economic Analysis* (Feb 1995 - Aug 1998)

Making economic analysis of environmental projects and regulations in the Mexican government. Designing economic incentives to regulate the used lubricant oil, used tires, used batteries and marine parks of

Mexico, among other different resources and regulation projects. Developed some economic indicators, useful for the enforcement of the environmental policy in Mexico.

Researcher at COLEF

Sept 1994 – Dec 1994

Department of Economics at El Colegio de la Frontera Norte

Participating in the evaluation of the economic structure of the Mexican border

Consultant

- ⇒ *Pan-American Network of Residues Management (REPAMAR)* 2002
Making economic analysis in the evaluation of environmental policy for the used batteries in Latin America
- ⇒ *Urban Planning Area at the Government of the State of Mexico* 2004
Making the socio economic analysis for the Urban Development Plan of Tepetlixpa, Mex.

TEACHING EXPERIENCE

Conference-lecturer for

- ⇒ *UNEP and University of Litoral in Sta. Fe Argentina (Agricultural Sciences Faculty)* 1999
- ⇒ *Ministry of Environment of Ecuador,* 2000
- ⇒ *Coordinator of Short Courses of Introduction to Environmental Economics for Universities and Secretariat of Environment (CECADESU-SEMARNAP).* 1998 to 2003

Lecturer of

Statistics 1995
Universidad del Estado de Mexico (UAEM-Amecameca)

PROFESSIONAL EXPERIENCE

Supervisor

Mexican Governmental Food Distribution Program CONASUPO/DICONSA (Puebla) 1992

PUBLICATIONS

Book

Colin Castillo, Sergio; Sophie Ávila and Carlos M. Villareal, 1999. *Economics of Biodiversity*. International seminar (compilation). National Institute of Ecology. Edit. SEMARNAP-INE-CONABIO. Mexico.

Book Chapters

Saad, Laura; Enrique Salinas and **Sergio C. Castillo**. 1996. "Deposit Refund System for residues classified as special management". National Institute of Ecology, Mexico, Edit. INE-SEMARNAP. Mexico.

Journal Articles

Colin-Castillo, Sergio; 1998. "Consumption of oil lubricant, fuel oil and the environmental regulation in Mexico". December 1998. *Revista de Comercio Exterior*, Mexico.

Journal Articles under Review

Yanhong Jin, **Sergio C. Castillo**, and V. Salin. "The Impacts of Food Scares on U.S. Meat Demand" (In 2nd review by the *Journal of Agricultural and Resource Economics*).

Journal Articles in Preparation

- i. **Sergio C. Castillo**. "Evaluating the likely adoption of self governance for the fisheries management.
- ii. **Sergio C. Castillo**. "Measuring the technical efficiency in a small-scale fishery: A causality analysis".
- iii. **Sergio C. Castillo**. "Assessing the relationship between technical efficiency and the likely adoption of self governance: A study case in Mexico".
- iv. **Castillo, Sergio C**; Sunil Dhouhadel and Oral Capps Jr. "The marketing margins analysis under food recalls and BSE outbreaks in the US beef industry".
- v. **Castillo, Sergio C**; Manuel Hernández and Oral Capps Jr. "The food scares effect on the USA red meat marketing margins".

Conference Presentations

(Presenting author in bold)

- i. **Colin-Castillo, Sergio**. "Measuring the Potential of Adopting the Self Governance for Fisheries Management: The effect of technical efficiency". Dissertation Proposal. IX Workshop of Latin American and Caribbean Environmental Economics Program (LACEEP). Cuzco, Peru, 2009.
- ii. **Colin-Castillo, Sergio, Sunil Dhouhadel** and Oral Capps Jr. "The Marketing Margins Analysis under Food Recalls and BSE Outbreaks in the US Beef Industry". Agricultural and Applied Economic Association (AAEA) Annual Meeting in Milwaukee, WI, July 26–28, 2009.
- iii. **Yanhong Jin, Sergio C. Castillo, and V. Salin**. "The Impacts of Food Scares on U.S. Meat Demand." Western Agricultural Economics Association, Hawaii, June 2009.
- iv. **Colin-Castillo, Sergio** and Anabel Martinez. 2003. "The environmental certification of Mexican forest". In the 1st International Congress of Latin-American Association of Environmental Economics (ALEAR). Cartagena, Colombia. Jul 2003.
- v. **Colin-Castillo, Sergio** "The environmental services and the economic valuation". International Seminar and Workshop of environmental services. Veracruz 2003. May 11-12th 2003.
- vi. **Colin-Castillo, Sergio** "The use of economic instruments". Regional course of management of solid and hazardous waste. Organized by the national centre for environmental research and training (CENICA) and the Japan International Cooperation Agency (JICA). Jan to Feb 2003.

Conference Posters

- i. Saad, Laura; Enrique Salinas and **Sergio C. Castillo**. 1996. "Reuse of scrap tires". First National Symposia of Dangerous Residues. UNAM (National A University of Mexico)
- ii. Saad, Laura; Enrique Salinas and **Sergio C. Castillo**. 1996. "Generation of scrap tires in Mexico". First National Symposia of Dangerous Residues. UNAM (National A University of Mexico)
- iii. Saad, Laura; Enrique Salinas and **Sergio C. Castillo**. 1996. "Generation of used lubricate oil in Mexico". First National Symposia of Dangerous Residues. UNAM (National A University of Mexico)
- iv. Saad, Laura; Enrique Salinas and **Sergio C. Castillo**. 1996. "The management of lubricate used oil in Mexico". First National Symposia of Dangerous Residues. UNAM (National A University of Mexico)

Articles in Popular Press (Not Refereed)

- i. "Some Aspects of Environmental Certification in the Forest of Mexico". 2003. First Congress Report of Latin-American Association of Environmental Economics (ALEAR). Colombia.
- ii. "The Environmental Certification in the Mexican Forest: Preliminary report". 2003. La Gaceta Ecologica. Journal of the National Institute of Ecology (INE). 67 (2003). México.
- iii. "Proposal for the Deposit Refund System for the control of used batteries of cellular phones". Symposia: Economic Implications in the Management of Dangerous Residues. UNAM (National Autonomous University of Mexico). September 07 and 08 of 1999.
- iv. "Proposal for the application of the Deposit Refund System for the control of used oils in Mexico". (1996). In Memories of the First National Symposia of Dangerous Residues. UNAM (National Autonomous University of Mexico).

- v. "Proposal for the application of the Deposit Refund System for the control of scrap tires in Mexico". (1996). In Memories of the First National Symposia of Dangerous Residues. UNAM (National Autonomous University of Mexico).
- vi. "Reuse of scrap tires". (1996). In Memories of the First National Symposia of Dangerous Residues. UNAM (National Autonomous University of Mexico).
- vii. "Generation of scrap tires in Mexico". (1996). In Memories of the First National Symposia of Dangerous Residues. UNAM (National Autonomous University of Mexico).
- viii. "Generation of used lubricate oil in Mexico". (1996). In Memories of the First National Symposia of Dangerous Residues. UNAM (National Autonomous University of Mexico).
- ix. "The management of used lubricates oil in Mexico". (1996). In Memories of the First National Symposia of Dangerous Residues. UNAM (National Autonomous University of Mexico).
- x. "The protection cost of natural resources in agriculture: The case of the mix lettuce in the Mexicali, BC and Imperial, Ca." El Colegio de la Frontera Norte (COLEF), 1994.
- xi. "Income in the maize under *conservation farming system* in Tulancingo, Hidalgo". Economics Department, University Autonomous of Chapingo. 1991.

PROJECT REPORTS

- i. **Colin-Castillo, Sergio** and Abel Rodríguez. 2004. "Urban Development Plan of Tepetlixpa, Estado de Mexico". Document for the Government of the State of Mexico and Municipality of Tepetlixpa. URL: http://seduv.edomexico.gob.mx/planes_municipales/Tepetlixpa/dgau_planes_muni_Tepetlixpa.htm
- ii. **Colin-Castillo, Sergio**, 2004. "Indicators for the Sustainable Management and Enforcement". Document for Secretaria del Medio Ambiente y Recursos Naturales (SEMARNAT), Subsecretaria de Gestión.

SEMINARS, WORKSHOOPS AND INVITED TALKS

- i. Presentation of progress report at X Workshop of Latin American and Caribbean Environmental Economics Program (LACEEP). Quito, Ecuador, 20010.
- ii. VIII Workshop of Latin American and Caribbean Environmental Economics Program (LACEEP). Cuzco, Peru, 20010. Applicant.
- iii. 4st International Congress of Latin-American Association of Environmental Economics (ALEAR). San Jose, Costa Rica, 2009. Participant.
- iv. Seminar (Organizer): Incentives and markets for the biodiversity conservation, in collaboration with World Bank, OECD and the Commission for the Environmental Cooperation of North America (CEC). Oaxaca, Mexico. 10th to 14th June 2002.
- v. Workshop (organizer) on economic instruments and environmental fiscal reform, in collaboration of OCDE. Mexico DF, February 2002.
- vi. Workshop presentation: Economic valuation of good and services of the aquatic ecosystems. Mexican Institute of Water Technology (IMTA). Nov 2001.
- vii. Workshop presentation: The economic analysis in the environmental policy. Quito, Ecuador. Sept. 2000.
- viii. Seminar presentation: The economic valuation of the environment. SEMARNAP-INE. México. Sept. 2000.
- ix. Conference presentation: Economic analysis and the sustainability indicators. Education Centre for Sustainable Development (CECADESU/SEMARNAP). México. Jun. 2000.
- x. Conference presentation: Introduction to environmental economics. Environmental university program (PUMA-UNAM). Jul. 2000. Mexico.
- xi. Conference presentation: Introduction to environmental economics and sustainable indicators. Faculty of Agricultural Sciences, National of Litoral. Sta Fe Argentina. Nov. 1999. México.
- xii. IV International Symposia about Sustainable Agriculture. Post Graduate College and Chapingo University. Morelia, Mich. 24-27 Oct. 1999.

- xiii. Coordinator and Professor in the introductory course to environmental economics. CECADESU, Patzcuaro, Michoacan. Mexico. 29th Oct. to 1st Sept. 1999.
- xiv. Seminar (Organizer): Sustainability and applied policy. Development an Environment. National College of Economist. August 5 and 6 of 1999.
- xv. National Symposia: Economic implications in management of hazardous waste residuals. PUMA-UNAM. Sept. 7th y August 8th 1999.
- xvi. Workshop participant of environmental indicators. University of Guadalajara-SEMARNAP. Jun 28th 1999.
- xvii. Organizer of the "International seminar on economic aspects of biodiversity", La Paz, BCS, Mexico. 1998.
- xviii. "Conferences about the farming production system in Cuba ". Superior Institute of Agricultural Sciences of Havana (ISCAH). Havana, Cuba. 1989.

SHORT COURSES TAKEN

- o X Biannual Short Course; Quito, Ecuador. Sept 24 – 26, 2010. "Climate change, biodiversity and social capital" Prof Salvatore Di Falco. London School of Economics, UK
- o VIII Biannual Short Course; Papallacta, Peru. Sept 23 – 26, 2009. "Behavioral and experimental economics with environmental applications" Prof Peter Martinsson. University of Gothenburg, Sweden
- o Environmental Policy Course. Universidad de Alcalá and INAP (National Institute of Public Administration), Spain. Oct-Dec 2002
- o Applied Geography, CEPEIGE (Pan-American Center for Studies and Research in Geography), Ecuador. May-Aug 1997. Honorific mention.

RESEARCH FUNDING

Grants and contracts received

- PI.** "Measuring the Potential of Adopting the Self Governance for Fisheries Management: The effect of technical efficiency". Latin American and Caribbean Environmental Economics Program (LACEEP). 2009.
- PI.** "Indicators for the Sustainable Management and Enforcement". Secretaria del Medio Ambiente y Recursos Naturales (SEMARNAT), Subsecretaria de Gestión. 2004.
- Co PI.** "Urban Development Plan of Tepetlixpa, Estado de Mexico". Government of the State of Mexico and Municipality of Tepetlixpa. 2004

PROFESSIONAL SERVICE

Involvement of professional service

- President of the Municipal Commission for the Preservation of the Cultural, Historic and Natural Heritage of Tepetlixpa, from 1999-2004.
- Coordinator of Ecology of the Municipal Commission for the Preservation of the Cultural, Historic and Natural Heritage of Tepetlixpa, from 1996 to 1999.

Professional associations

- Member of Latin American Association of Environmental and Natural Resources Economist (ALEAR)
- Member of American Agricultural Economics Association
- Member of sustainability indicators group. Virtual community affiliate of the International Sustainability Indicators Network (ISIN)
- Member of Fulbright Students Association at Texas A&M
- Member of Fulbright fraternity US network

HONORS, AWARDS AND OTHER ACTIVITIES

- **LACEEP Grant.** Latin American and Caribbean Environmental Economics Program. 2009-2010
- **Fulbright Scholarship.** Aug 2004 to Aug 2007
- **Conacyt Scholarship.** Aug 2004 to Aug 2008
- **Graduate Student Travel Grant.** Graduate Association, Texas A&M University, 2009
- **Honors.** Best student in CEPEIGE, Ecuador, 1997
- **Honors.** Autonomous University of Chapingo, Mexico 1990
- **Best runner and captain.** Long distance (track and field). Autonomous University of Chapingo, Mexico 1990

OTHER SKILLS

Language.

Native in Spanish; Fluent in English

Computer.

Stata, SAS, R, E-Views, Simetar, V-Basic

MS Office