

# CURRICULUM VITAE

Benjamin Lopez Ortiz

(June 2016)

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## A. Personal Details

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*Date of Birth:* May 6th, 1976

*Citizenship:* Mexican

*Marital status:* Single

## B. Current Posts

- **Tenure Track Professor of Economics and Mathematics**, Faculty of Economics, Universidad Nacional Autónoma de México, UNAM (August 2010 - )
- **Research Manager**, Consultancy Eco-Analysis, Mexico. January 2010 - 2016

## C. Past Posts

### (Academic)

- **Lecturer of Economics**, Faculty of Economics & Business, Universidad Anáhuac Norte (2011 - 2013 )
- **Researcher**; IDEARSE, Centre for Corporate Social Responsibility and Sustainability, Universidad Anáhuac Norte. (2012 - 2013)
- **Young researcher in professional training**. *Dept. Applied Economics, Universitat Autònoma de Barcelona, UAB.* (Barcelona, 2006 – 2010)
- **Research Assistant** of Blanca Heredia, Ph.D. Academic Dean and Professor-Researcher. *Centre for the Economics Research and Teaching, CIDE.* (Mexico, D.F., 2003)  
Advisor in today's topics for the television program Primer Plano and activities of the academic dean and research projects for Inter-American Development Bank, IADB and Hewlett Foundation.
- **Research Assistant** of Susan Parker, Ph.D. and MCs. John Scott, Professors-Researchers, *Centre for the Economics Research and Teaching, CIDE.* (Mexico, D.F., 2001)  
Creation of data base and statistical analysis of the project: "Evaluación de los indicadores de Seguimiento y Gestión del Programa de Educación, Salud y Alimentación, PROGRESA"
- **Research Assistant** of MSc. John Scott. Professor-Researcher. *Centre for the Economics Research and Teaching, CIDE.* (Mexico, D.F., 2001)  
Assistant in working papers and presentations in fiscal and social policy topics.
- **Research Assistant** of Martín Valdivia, Ph.D. Principal Researcher of the *Department of Health Economics. Centre for the Economics Research and Teaching, CIDE.* (Mexico, D.F., 2000)  
Assistant in research projects, working papers and presentations

### (Non-academic)

- **Statistical Analysis Manager**, State Department of Mexico, Mexico. 2016
- **Planning Manager**, Faculty of Law, National Autonomous University of Mexico, UNAM, Mexico. January 2014 – June 2014
- **Evaluation Manager**, Mexican Postal Service, SEPOMEX. Mexico, July 2012 - July 2013.
- **Professional Assistant and practices**. Assistant for MA. Francès Solbes Pons. Director of the Department of International Control business of **Gas Natural Spain**. Barcelona, 2004.  
Achievements: **Evaluation of the information system implementation (SAP-SEM)**
- **Project Technician**. Analysis of the evaluation and political implementations of education statistics of the Program Oportunidades in the *Consejo Nacional de Fomento Educativo, CONAFE (National Advisor of the Educational Foment)*. Mexico, D.F., 2003.  
Achievements: **Creation of the analysis information system**
- **Analyst**. Creation of a data base to evaluate a risk analyst model of credit risk of micro enterprises of financial institutions (no banking). In **Aplicaciones de Inteligencia Artificial AIS - España y Nacional Financiera, NAFIN**. México D.F., 1999-2000.
- **Trainer, Coordinator and Supervisor**. Several national fieldwork projects for Grupo de Asesores Unidos S.C. (GAUS S.C.), like coordinator, supervisor, trainer, logistic, analyst and encoder (coding data). **Electoral District Supervisor** in the exit poll for the Instituto Electoral del Distrito Federal (IEDF) on July, 2nd, 2000. Mexico D.F., 1999-2000.

### D. Education

- Doctorate/Ph.D. degree: *Environmental Science and Technology* (thesis in review)  
Universitat Autònoma de Barcelona. (Barcelona, 2008 - )
- Master in Environmental Studies: *Ecological Economics and Environmental Management*  
Universitat Autònoma de Barcelona. (Barcelona, 2007 – 2008)
- Doctorate/Ph.D. degree: *Applied Economics* (thesis pending)  
Universitat Autònoma de Barcelona. (Barcelona, 2005 - )
- Master degree in *Regulatory Economics of Public Services of Network*  
Specialization in Energy Sector  
Universitat de Barcelona. (Barcelona, 2004)
- Bachelor of Science: *Mathematics*  
*Faculty of Sciences, Universidad Nacional Autónoma de México, UNAM*. (Mexico City, 2016 - )
- Bachelor of Arts: *Economics*  
*Faculty of Economics, Universidad Nacional Autónoma de México, UNAM*. (Mexico City, 1995 – 2002)

### **E. Other Education**

- (2014) University of Oxford  
*Ecological Economics*
- (2011- ) Universidad Anahuac Norte  
*Master in teaching training and abilities for university teaching*
- (2009) Norwegian School of Economics  
*Economics of cooperation: The case of climate change*  
10 ECTS points

### **F. Research interests**

- Environmental and resource economics
- Energy economics & Climate change
- Valuation methods and choice modelling
- Regulatory economics, industrial organization and game theory
- General applied economics

### **G. Editorial Services**

- Invited editor for Science and Technology Magazine of CONACYT

### **H. Publications**

- (2014) “An approximation to Laffer’s Curve for Income Tax in Mexico”, in Rodriguez M. (Editor), *Aspectos de La Política Fiscal en México*, UNAM.
- (2011). “Analysis of energy requirements with the input-output methodology for the Mexican case 1971-2007”. *Economía Informa*, noviembre-diciembre, 2011/Num. 371.
- (2002). "Impacto de los costos económicos y ambientales en el sector electric mexicano. Un modelo de simulación para la energía eólica y solar fotovoltaica". Memorias de la II Reunión estudiantil de la Asociación Mexicana para la Economía Energética: “La energía en México en el Nuevo milenio”. AMEE, UAM, IMP y UNAM.

#### *Work in review*

- “An econometric assessment of environmental regulation of energy sector in North America”
- “Valuing the Cost of Adaptation to Climate Change for Developing Countries: current efforts and future challenges for Mexico in that scenario”

#### *Work in progress*

- “Universal Service in the Mexican Postal Service”
- “CO<sub>2</sub> Emissions and energy consumption in Mexico for 1990-2011”

### **I. Research Projects**

- (February, 2012 - 2013) “Corporate responsibility and sustainability: towards international cooperation and economic valuation of environmental impacts”. *Centro*

*para la Responsabilidad y Sustentabilidad de la Empresa, IDEARSE/Universidad Anáhuac.*

## **J. Teaching experience**

- Tenure Professor of Globalization, Economic, Social and Politic Environment, Family Business & Business; at undergraduate level at Faculty of Economics & Business, Universidad Anahuac Norte.
- Tenure Professor of several courses: Quantitative Methods, Game Theory, Econometrics Linear Programming, Risk And Investment Portfolio Analysis, Microeconomics, Macroeconomics, Fiscal Policy, and Welfare Theory; at undergraduate level at the Faculty of Economics, UNAM.
- Tenure Professor of several courses like: World Economy II, World Economy & Applied Economics Instruments, Economic Policy & Public Sector, Spanish Economy, and Techniques of Valuation for Environmental Impacts II; at undergraduate level at Applied Economics Department, Universitat Autònoma de Barcelona, UAB. (Barcelona, 2007 – 2009)
- Tenure Professor of Microeconomics II at undergraduate level at Centre for the Economics Research and Teaching, CIDE. (Mexico, D.F., 2005)

## **K. Supervision and evaluation of thesis**

### *Current supervision*

1. N. Mercado – “Impuestos Ambientales en México: Un análisis para su implementación”
2. I. Cortés – “Las emisoras de la BMV del sector industrial y el crecimiento económico en México”
3. E. Alvarado – “Análisis del agua desde la economía ecológica”
4. R.A. Camargo – “La Política Monetaria de la FED y sus implicaciones para la economía de México 2007-2015”
5. A.L. Sandoval – “Análisis de la política agrícola de la comercialización y distribución del maíz en Sinaloa, 2000-2014”
6. K. Olvera – “Implicaciones económicas y ambientales de las pérdidas en la generación y transporte del sector eléctrico en México”
7. D. Núñez – “Impacto económico de la adopción de tecnologías amigables con el medio ambiente dentro de la industria automotriz en México”
8. I. Alonso – “El impuesto al valor agregado (IVA) y las políticas sociales encaminadas a disminuir la pobreza en México y sus efectos sobre el bienestar social del 2000 al 2014”
9. I. Hernández - “Impacto de la depreciación del peso mexicano, respecto al dólar en el saldo de la deuda externa 1995-2015”
10. D. Yeverino - “Liderazgo fiscal y monetario: Caso México”

### *Evaluation in Professional Exam*

- (Abril, 2016) “Efectos de la Llegada de Turistas Internacionales en el Crecimiento Económico y el Desempleo en México, 2005.1-2015.1”, Mariana Gutiérrez Boyd. Facultad de Ciencias, UNAM.

- (Abril, 2016) “Brecha de producción y desempleo en México, 2000.2 - 2014.3”, Rafael Palacio Rubio.  
**Presidente de Jurado**, Facultad de Ciencias, UNAM.
- (Febrero, 2015) “Análisis del costo de la democracia en la Ciudad de México, 2001-2012”, Gerardo N. Diaz Castellanos.  
Licenciatura en Economía, FE-UNAM
- (April, 2014) “Análisis económico y normativo del impuesto sobre la renta en México”, Carlos E. Medrano Barriga.
- (February, 2014) “Un portafolio de inversión de mayor rendimiento para una SIEFORE utilizando el método de valor en riesgo (VaR)”, Roberto Valdés Huerta
- (November, 2013) Sistema de evaluación del desempeño para el personal administrativo en el Instituto Electoral del Distrito Federal: Análisis comparativo y alcances”, Miguel A. Hernández Aldana

### *Evaluation*

- 7 thesis evaluated

### **L. Seminars, Courses & Conferences**

1. (June, 2016) 14th Biennial Conference of the International Society for Ecological Economics, U. of the District of Columbia, Washington, D.C.  
Conference: Environmental Regulation In Energy Sector In NAFTA: Diminishing Emissions Or Just A Market Instrument?
2. (June, 2016) **14th Biennial Conference of the International Society for Ecological Economics**, U. of the District of Columbia, Washington, D.C.  
Conference: "Energy Transitions In Energy Primary Consumption In NAFTA: A Markov'S Chains Analysis
3. (November, 2015) Universidad Autónoma del Estado de Morelos  
Conference: Value and economics valuation of environment  
(May, 2015) Universidad Técnica de Ambato, Ecuador  
Course given: Industrial Economics & Ecological Economics (40 hrs)
4. (September, 2014) Preparatoria José Guadalupe Posada, Mexico D.F.  
Conference: Renewable energy as Alternative for Climate Change
5. (August, 2014) **13th Biennial Conference of the International Society for Ecological Economics** in Reykjavik, Iceland.  
Conference: Is environmental regulation on energy sector diminishing emissions in NAFTA?
6. (February, 2014) Dirección General de Planeación, UNAM  
Course attended: Planeación Institucional 2014
7. (December, 2013) Science and Arts University of Chiapas, UNICACH  
Course attended: Tropical ecology sampling field techniques
8. (October, 2013) **Third National Congress of Climate Change Research 2013** in Mexico City  
Conference: “Social Responsibility and Corporate Sustainability”
9. (June, 2012) **12th Biennial Conference of the International Society for Ecological Economics** in Rio de Janeiro, Brazil.  
Conference: An econometric assessment of environmental regulation of energy sector in North America.

10. (April, 2012) Banamex National Prize 2012  
Member of the evaluation committee
11. (March, 2012) Engineering Institute, UNAM.  
Course attended: Workshop of CO2 Capture (March 28-30, 2012)
12. (March, 2012) Engineering Institute, UNAM.  
Course attended: Workshop of CO2 Geological Storage and Enhanced Oil Recovery (EOR) (March 21-23, 2012)
13. (December, 2011) Instituto Tecnológico de Sonora at Ciudad Obregón, Sonora.  
Course given: Industrial Organization (8 Hrs)
14. (November, 2011) Faculty of Economics, UNAM.  
Commentator of Master Conference: "La Nueva Escalada Matemática. El impacto reciente de la teoría de sistemas dinámicos en la economía"
15. (November, 2011) Universidad Autónoma del Estado de México, Centro Universitario Texcoco.  
Conference: Mexico and Emergent Economies.
16. (October, 2011) **National Congress of Climate Change Research 2011** in Mexico City.  
Conference: "Exportation of solar thin film electricity in North of Mexico. A Clean Development Mechanism approach"
17. (September, 2011) Faculty of Economics, UNAM.  
Permanent Seminar of Economic Theory  
Commentator: "United States. Debt and Economic Growth"
18. (August, 2011) Citizens Forum for Economic, Social and Urban Development of Distrito Federal.  
Conference: Transport and Mobility
19. (November, 2010) **1st Meeting of Mesoamerican Society of Ecological Economics** in Mexico City.  
Conference: "Exportation of solar thin film electricity in North of Mexico. ACDM approach". Universidad Autónoma Metropolitana, UAM.
20. (September, 2010) Dirección General de Divulgación de la Ciencia, UNAM in Mexico City  
Conference: "Environmental Economics" for the course *Science & environmental awareness*.
21. (May, 2010) International Relations - FCPYS - UNAM in Mexico City.  
Conference: "Environmental Economics, Ecological Economics and Climate Change Economics. Some Concepts"
22. (June, 2009) Bergen Summer Research School – Universiteteti Bergen, Norway.
23. *Climate, Environment and Energy*
24. (June, 2009) **IV Meeting of the Spanish Network of Ecological Economics** in Santiago de Compostela, Spain.  
Presentation: "Does Environmental Regulation Reduce CO2? An Empirical Test for Mexican Case"
25. (October, 2002) **II Reunión Estudiantil de la Asociación Mexicana para la Economía Energética: "La energía en México en el Nuevo milenio"** in México City.  
Presentation: "Impacto de los costos económicos y ambientales en el sector eléctrico mexicano. Un modelo de simulación para la energía eólica y solar fotovoltaica". Universidad Autónoma Metropolitana, 3 de Octubre del 2002

### **M. Awards, Prizes, Fellowships, Memberships**

- (2010 - ) Member of the **International Society for Ecological Economics**, ISEE.
- (2010 - ) Member of the **Mesoamerican Society for Ecological Economics**, SMEE.
- (2009 - ) Member of the **Spanish Network of Ecological Economics**, EEE.
- (2008 - ) Member of the **Grup de Recerca d'Economia i Polítiques Públiques**, XREPP.
- (2006 - 2010) Fellowship of **Generalitat de Catalunya** for *New Researchers Program*.
- (2005 - 2009) Scholarship of **Consejo Nacional de Ciencia y Tecnología**, CONACYT.
- (2004) Scholarship of **Fundación Carolina**. Member of Ex-BecariosFundación Carolina.
- (2002 & 2003) Scholarship of **Consorci Hospitalari de Catalunya (CHC)** for studies in Universitat Pompeu Fabra. (not used)
- (2002 - ) Member of **Asociación Mexicana para la Economía Energética**, AMEE.

### **N. Other Information**

- **Language Skills**  
Spanish – native speaker  
English – fluent (590 TOEFL)  
Catalan – good
- **Computer Skills: Software: Word 100%; Excel 100%; Power Point 100% and math software: Econometric Views 100%, SPSS 80%, Stata 80%, Limdep 90%**

## O. References

### **Dr. Montserrat Sarrà**

Coordinator of Doctorate Studies

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