

Dr. Luis SARMIENTO

Economist

🌐 luissarmiento.net
@ asarmiento@diw.de & luis.sarmiento@eiee.org
in [linkedin.com/in/luis-sarmiento-eco](https://www.linkedin.com/in/luis-sarmiento-eco)
☎ +49 030 897890
📍 Via Bergognone, 34, 20144 Milano MI, Italy

Environmental and energy economist with a focus on applied econometrics and energy modeling. Current research encompasses examining the effect of environmental externalities as air pollution, climate, and energy infrastructure in several realms of human affairs like labor supply, productivity, health, and well-being. Additionally, I also work in the analysis of public policies for the renewable transition of energy systems.

PROFESSIONAL EXPERIENCE

Present September 2020	Post-doctoral Researcher, RFF-CMCC : EUROPEAN INSTITUTE OF ECONOMICS AND THE ENVIRONMENT, Milano Office <ul style="list-style-type: none">> Development of Agent Based Models to explore households interaction effect on the adoption of photovoltaic technologies.> Applied econometric projects on air pollution, climate, and natural disasters.> Development of new research projects.> Scientific support on institutional projects. <p>Microeconometrics Data Science Analysis of Public Policies Agent Base Models</p>
Present April 2017	Research Associate, GERMAN INSTITUTE OF ECONOMIC RESEARCH (DIW, BERLIN), Department of Environment, Energy and Transportation <ul style="list-style-type: none">> Research and publication of scientific articles in the realm of energy and environmental economics.> Scientific support on departmental projects. <p>Microeconometrics Numerical models Renewable Transition Data Science Analysis of Public Policies</p>
August 2020 November 2019	Research Associate, HERTIE SCHOOL OF GOVERNANCE, Department of Economics <ul style="list-style-type: none">> Research on the effect of traffic on environmental pollution and health.> Development of new research projects. <p>Microeconometrics Data Science Analysis of Public Policies</p>
September 2012 September 2014	Small Business Executive, BANCO DEL BAJIO S.A., Commercial Branch <ul style="list-style-type: none">> Financial advice to small and medium-size companies,> Corporate and business loans, letters of credit, corporate leasing, financial factoring, International money transfers and exchange rate advisor. <p>Financial Platforms Client relations Financial Instruments</p>

EDUCATION

2017 — 2020	Doctor in Economics (Summa Cum Laude) — Berlin Institute of Technology — Germany <i>Dissertation</i> : An econometric analysis of environmental phenomena <i>Committee</i> : Prof. Dr. Axel Werwatz (chair), Prof. Dr. Christian Von Hirschhausen, Prof. Dr. Christian Traxler, and Dr. Aleksandar Zaklan
2014 — 2016	MSc. in Economics and Management — Humboldt University of Berlin — Germany – GPA (De) 1.7 <i>Dissertation</i> : Electricity production from renewable sources in Mexico : A time-series analysis <i>Supervisor</i> : Professor Dr. Franz Hubert
2007 — 2012	Bachelor in International Business — University of Lasalle Bajio — Mexico – GPA (Mx) 8.7 <i>Dissertation</i> : A project of foreign direct investment between Mexico and Colombia <i>Supervisor</i> : Professor Msc. Luis Villegas

RESEARCH INTERESTS

Environmental Economics	Environmental externalities like air pollution, extreme weather, and energy infrastructure
Energy Economics	Specialized in the transformation of energy systems towards renewable technologies
Econometrics	Application of econometric models to causality assessments.
Numeric Models of Energy Systems	Familiarity with Techno-economic bottom up numeric models of energy systems
Data Science	Construction of data sets and manipulation of big data

ACCEPTED MANUSCRIPTS

Waiting for my Sentence : Air Pollution and the Productivity of Court Rulings

Luis Sarmiento

Scandinavian Journal of Economics, 2021, In print

Mexico and U.S. Power Systems Under Variations in Natural Gas Prices

With Juan Rosellón, Sauleh Sidiqui, Max Brown, Avraam Charalampos, Anahi Molar,

Energy Policy, 2021, 151, 113378

The role of energy storage in the uptake of renewable energy : a model comparison approach

With Sara Giarola, Kathleen Vaillancourt, Max Brown, Anahi Molar, Ivan Garcia Kerdan

Energy Policy, 2021, 151, 112159

The effects of the 2013 floods on Germany's road freight traffic

With Julio Fournier

Transportation Research Part D : Transport and Environment, 2021, S. 102274

Analyzing Scenarios for the Integration of Renewable Energy Sources in the Mexican Energy System

With Thorsten Burandt, Konstantin Löffler, and Pao-yu Oei

Energies 12.17 (2019) : 3270

WORKING PAPERS

Make Sure the Kids are OK : Indirect Effects of Ground-Level Ozone on Well-Being

With Aleksandar Zaklan, and Julia Rechliz

DIW Discussion Paper Series No 1877 , 2020

I am Innocent : The Effect of Urban Pollution on Crime Behavior

Luis Sarmiento

Journal of Environmental Economics and Management : Revise and Resubmit, 01-2021

The Effect of Extreme Temperatures on Mortality : Heterogenous Effects Across Different Labor Groups

With Thomas Longden

Effectiveness, Spillovers, and Well-Being Effects of Driving Restriction Policies

With Aleksandar Zaklan, Nicole Waegner

The effect of changing marginal-cost to physical-order dispatch in the power sector

With Juan Rosellón, and Raúl Gutierrez

ONGOING PROJECTS

Air quality alerts and school absences : Evidence from New York City

Luis Sarmiento

The Impact of Electricity Transmission Infrastructure on Households' Well-Being

With Aleksandar Zaklan, Alexander Zerrah, and Alexander Roth

Google It, Broadband Infrastructure and Economic Activity — the Case of Senegal

With Maximilian Schaefer

The air quality effects of Uber

With *Young-yaе Kim*

Kurzarbeit and the 2013 European floods :

How effective are short-time working allowances in avoiding unemployment?

With *Julio Fournier*

Journals Referee

- > Economics of Energy and Environmental Policy (EEEP)
- > Energy Policy (EP)
- > Energy Economics (EE)

Teaching Experience

- > Teaching assistant of applied econometrics : Infratrain 2019, Berlin Institute of Technology 2019
- > Teaching assistant in instrumental variables design : Infratrain 2018, Berlin Institute of Technology 2018

Conferences and Presentations

- > EAERE 2020 Annual Conference : Berlin, Germany 2020
- > Verein für socialpolitik, annual conference : Leipzig, Germany 2019
- > EAERE 2019 Annual Conference : Manchester, U.K. 2019
- > 7th Latin American Energy Economics Meeting : Buenos Aires, Argentina 2019
- > 6th World Congress of environmental and resource economists : Göteborg, Sweden 2018
- > The annual meeting of the Latin American and Caribbean Economic Association : Guayaquil, Ecuador 2018
- > Essen Health Conference 2017 : Essen, Germany 2017
- > 7th Mannheim Energy Conference : Mannheim, Germany 2017
- > 15th IAEE European Conference : Vienna, Austria 2017

LANGUAGES

Spanish ●●●●●
English ●●●●●
German ●●●○○
Italian ●●●○○

SOFTWARE

R ●●●●●
Latex ●●●●●
GAMS ●●●●○
WordPress ●●●●○
STATA ●●●●○
Python ●●●○○

REFERENCES

Prof. Dr. Christian Von Hirschhausen

Berlin University of Technology

HEAD OF THE GROUP FOR ECONOMICS AND INFRASTRUCTURE

@ cvh@wip.tu-berlin.de

☎ +49-(0)30-314-25048

Prof. Dr. Claudia Kemfert

German Institute of Economic Research (DIW Berlin)

HEAD OF THE DEPARTMENT FOR ENERGY, TRANSPORTATION, AND ENVIRONMENT

@ sekretariat-evu@diw.de

☎ +49 (0)30 89789 - 663

Prof. Dr. Juan Rosellón

Centro de Investigación y Docencia Económicas (CIDE)

TENURED PROFESSOR AT THE DEPARTMENT OF ECONOMICS

@ juan.rosellon@cide.edu

☎ +52 57 27 9800