

CURRICULUM VITAE

Prof. Dr. Carmen Arguedas

12 November 2020

Department of Economic Analysis: Economic Theory and Economic History
Autonomous University of Madrid
Campus de Cantoblanco, s/n, 29049 Madrid, Spain
Voice: (+34) 91 497 8615 E-Mail: carmen.arguedas@uam.es

PERSONAL

Born in Jaca (Spain) on 15 July 1969
Spanish citizen
Married, one child (Irene, 17 July 2011)

EDUCATION

Ph.D. Economics, Carlos III University, 1999
Degree in Economics (Economic Analysis), University of Zaragoza, 1992

WORKING EXPERIENCE

Present Appointments

Associate Professor (*Titular*), Autonomous University of Madrid, since April 2010
Holding Full Professor Qualification from ANECA, since February 2018.
Elected as Incoming President of the Spanish Portuguese Association of Environmental and Resource Economists (AERNA) (sept.2022- sept.2024)

Past Appointments

Head of the Department of Economic Analysis: Economic Theory and Economic History, Autonomous University of Madrid, March 2017- August 2019.
Associate Professor (*Contratado Doctor*), Autonomous University of Madrid, 2006-2010
Associate Professor, Universidad Europea de Madrid, 2005-2006.
Assistant Professor, Universidad Europea de Madrid, December 2000 – September 2005
Assistant Professor (part-time) ESIC, Madrid, September 2000 – February 2001
Assistant Professor (part-time), Saint Louis University, Madrid campus, September 1999- December 2000
Teaching Assistant, Universidad Carlos III, September 1993 – December 1998

Visiting Scholar

Department of Economics, K.U. Leuven. November 2019, February 2009, May 2008
Department of Public Finance, University of Innsbruck. October-December 2015
Department of Spatial Economics, VU Amsterdam. April 2009.
Department of Economics, Tilburg University. October 2004 – February 2005
Department of Economics, SUNY at Albany. September 2004, Sept – Dec 1998.
Les Roches Management School, Bluche, Switzerland. July - August 2002
Department of Economics, Duke University. September – December 1997

RESEARCH INTERESTS

Environmental Economics, Monitoring and Enforcement, Game Theory, Economics of Information, Industrial Organization, Public Economics

PUBLICATION LIST

17. C. Arguedas and S. Rousseau (2020), "Energy Efficient Design, Consumer Awareness, and Public Policy". **SERIEs (Journal of the Spanish Economic Association)**, *forthcoming*.

16. C. Arguedas, F. Cabo, and G. Martín-Herrán (2020), "Enforcing Regulatory Standards in Stock Pollution Problems". **Journal of Environmental Economics and Management** 100, 102297.

15. F. J. André and C. Arguedas (2018), "Technology Adoption in Emission Trading Programs with Market Power". **The Energy Journal** 39, S11, 145-174

14. C. Arguedas, F. Cabo, and G. Martín-Herrán (2017), "Optimal Pollution Standards and Non-Compliance in a Dynamic Framework". **Environmental and Resource Economics**, 68 (3), 537–567.

13. C. Arguedas, D. Earnhart, and S. Rousseau (2017), "Non-Uniform Implementation of Uniform Standards". **Journal of Regulatory Economics**, 51 (2), 159–183.

12. C. Arguedas and S. Rousseau (2015), "Emission Standards and Monitoring Strategies in a Hierarchical Setting". **Environmental and Resource Economics** 60 (3), 395-412.

11. C. Arguedas (2013), "Pollution Standards, Technology Investment and Fines for Non-Compliance". **Journal of Regulatory Economics** 44 (2), 156-176.

10. C. Arguedas and S. Rousseau (2012), "Learning about Compliance under Asymmetric Information". **Resource and Energy Economics** 34 (1), 55-73.

9. C. Arguedas and D. Van Soest (2011), "Optimal Conservation Programs, Asymmetric Information and the Role of Fixed Costs". **Environmental and Resource Economics** 50 (2), 305-323.

8. C. Arguedas, E. Camacho and J. L. Zofio (2010), "Environmental Policy Instruments: Technology Adoption Incentives with Imperfect Compliance". **Environmental and Resource Economics** 47 (2), 261-274.

7. C. Arguedas and D. Van Soest (2009), "On Reducing the Windfall Profits in Environmental Subsidy Programs". **Journal of Environmental Economics and Management** 58 (2), 192 – 205.

6. C. Arguedas (2008), "To Comply or Not To Comply? Pollution Standard Setting under Costly Monitoring and Sanctioning". **Environmental and Resource Economics** 41 (2), 155-168.

5. C. Arguedas and H. Hamoudi (2008), "A Note on Product Differentiation under Concave Transportation Costs". **Cuadernos de Economía** 31 (85), 91- 106.

4. C. Arguedas, H. Hamoudi, and M. Sáez (2008), "Equilibrium non-existence in spatial competition with quadratic transportation costs". In: **New Public Finance, Monetary Policy and Market Issues (E. Shinnick, Ed.)**, 343- 356. LIT Verlag, Munich.
3. C. Arguedas and L. Kranich (2006), "The Linear Cost Equivalent Rule: A Solution Procedure for Heterogeneous Joint Production Problems". **Mathematical Social Sciences** 51 (1), 70-80.
2. C. Arguedas (2005), "Bargaining in Environmental Regulation Revisited". **Journal of Environmental Economics and Management** 50 (2), 422-433.
1. C. Arguedas and H. Hamoudi (2004), "Controlling Pollution with Relaxed Regulations". **Journal of Regulatory Economics** 26 (1), 85 – 104.

ONGOING WORK

- C. Arguedas and E. Blanco, "Credence Goods, Fraud, and Certification", *submitted*.
- L. Vidal, C. Arguedas, E. Camacho, and J.L. Zofío, "An Experimental Analysis of the Effects of Imperfect Compliance on Technology Adoption", *submitted*.
- C. Arguedas and J.L. Zofío, "Incentives for Green Technology Adoption, Imperfect Compliance, and Risk Aversion", *in progress*.
- C. Arguedas, D. Earnhart, and S. Rousseau, "The Role of Corporate Safety Departments in Avoiding Accidents", *in progress*.
- C. Arguedas, D. Earnhart, and S. Rousseau, "Control of Harmful Activities: Standards, Limits, Local Conditions, and Monitoring", *in progress*.
- C. Arguedas and Y. Pang, "Environmental Regulation under Scale Economies", *in progress*.
- C. Arguedas, H.J. Kiss, and A. Pintér, "Final Countdown? Threshold Public Good Games with Horizon Uncertainty", *in progress*.
- F. André, C. Arguedas, and S. Rousseau, "Incentives and Strategic Pricing in the Sharing Economy", *in progress*.

FUNDED RESEARCH PROJECTS

As Research Leader:

January 2018 – December 2021. Theoretical and experimental advances on norms, beliefs, games, and cibersecurity. Project ECO2017-82449-P, Spanish Ministry of Economy and Competitiveness. Amount: 33.880 euro.

January 2015 – December 2017. Theory and experiments on norm compliance and voluntary action: the role of agents' beliefs and non-selfish motivations. Project ECO2014-52372-P, Spanish Ministry of Economy and Competitiveness. Amount: 21.175 euro

January 2012 – December 2014. The Behavior of Economic Agents: New Developments in Environmental Economics and Behavioral Economics. Project number ECO2011-25349, Spanish Ministry of Economy and Competitiveness. Amount: 27.225 euro

January 2009-December 2011. Environmental Policy and Firms' Strategic Behavior. Project number ECO2008-00510/ECON, Spanish Ministry of Science and Innovation. Amount: 78.650 euro

June 2005-may 2006. Environmental policy, firms' location and asymmetric information. Project number 2005/15, Universidad Europea de Madrid. Amount: 5.700 euro

May 2005-April 2005. Environmental regulation and incentives for clean technology investment under alternative market structures. Project number 2004/06, Universidad Europea de Madrid. Amount: 3.300 euro

As a Member of the Research Team:

January 2018 – June 2019. Building an Academic Network in Environmental Economics between UAM and Asian Universities. Autonomous University of Madrid and Bank of Santander. Main researcher: Miguel Buñuel González.

June 2013 – December 2014. Academic cooperation in Economics between New York University and the Master in International Economics at UAM. Autonomous University of Madrid and Bank of Santander. Main researcher: Carlos Llano Verduras.

July 2009 – June 2011. Conservation, Development, and Knowledge and Traditional Resources Protection in Mexico. FONCICYT, N. 95255. Main researcher: Juan Carlos García Bermejo.

January 2008 - December 2011. Spatial Modelling Applied to Transportation of Goods and Persons in the Spanish International and Interregional Context. Autonomous Community of Madrid. Main researcher: José Luis Zofío Prieto.

January 2008 - June 2009. Experimental Analysis of Firms' Strategic Behavior in Response to Environmental Policy. Autonomous University of Madrid and Autonomous Community of Madrid. Main researcher: Eva Camacho Cuenca.

January 2006 - December 2008. Environmental Policy Analysis under Imperfect Competition. Project SEJ2005-05206/ECON, Spanish Ministry of Education. Main researcher: Nouridine Aliane.

GRANTS AND AWARDS

Best publication in the field of Environmental & Resource Economics in the period 2009-2011, for the paper "On Reducing the Windfall Profits in Environmental Subsidy Programs", Journal of Environmental Economics and Management 58 (2), 192 – 205, 2009 (joint with D. Van Soest), awarded by the Spanish-Portuguese Association of Environmental and Resource Economists (AERNA).

January 1995- December 1998, Research Grant under the Research Training Program (FPI), Spanish Ministry of Education and Culture.

PRESENTATIONS IN CONFERENCES AND WORKSHOPS

- 2019 24th EAERE Annual Conference, Manchester
Third AERNA Workshop on Game Theory and the Environment, Valencia
- 2018 Workshop on Developments in Energy Economics, Fundación Ramón Areces, Madrid
6th World Congress of Environmental and Resource Economists, Gothenburg
VIII Conference of AERNA, Madrid
- 2017 XXIV Public Economics Meeting, Toledo
First Workshop on Economic Theories and Low-carbon Transformation Policies, Cambridge, UK
23th EAERE Annual Conference, Athens
Second AERNA Workshop on Game Theory and the Environment, Madrid
42nd Simposio of the Spanish Economic Association, Barcelona
- 2016 22th EAERE Annual Conference, Zurich
V Meeting on International Economics, Vila-Real
VII Conference of AERNA, Aveiro
- 2015 21th EAERE Annual Conference, Helsinki
First AERNA Workshop on Game Theory and the Environment, Madrid
- 2014 Jornadas de Docencia en Economía, Bilbao
5th World Conference of Environmental and Resource Economists, Istanbul
VI Conference of AERNA, Girona
The 2014 ASSET Annual Meeting, Aix-en-Provence
39th Simposio of the Spanish Economic Association, Palma de Mallorca
- 2013 Annual Conference of the Austrian Association of Economics, Innsbruck
Jornadas de Docencia en Economía, Toledo
20th EAERE Annual Conference, Toulouse
XXXVIII Simposio of the Spanish Economic Association, Santander
- 2012 V Conference of AERNA, Faro
19th EAERE Annual Conference, Prague
The 2012 ASSET Annual Meeting, Limassol
- 2011 XVIII Encuentro de Economía Pública, Málaga
- 2010 XVII Encuentro de Economía Pública, Murcia
IV Conference of AERNA, Gran Canaria
4th World Conference of Environmental and Resource Economists, Montreal
International Workshop on the Law & Economics of Environmental Sanctioning, Leuven
XXXV Simposio of the Spanish Economic Association, Madrid
- 2009 XVI Encuentro de Economía Pública, Granada
XXXIV Simposio of the Spanish Economic Association, Valencia
- 2008 XV Encuentro de Economía Pública, Salamanca
III Congreso de AERNA, Palma de Mallorca

- 16th EAERE Annual Conference, Gothenburg
XXXIII Simposio de Análisis Económico, Zaragoza
- 2007 X Encuentro de Economía Aplicada, Logroño
15th EAERE Annual Conference, Thessaloniki
XXXII Simposio de Análisis Económico, Granada
- 2006 XIII Encuentro de Economía Pública, Almería
8th Annual Conference of INFER, Cork
XXXI Simposio de Análisis Económico, Oviedo
- 2005 14th EAERE Annual Conference, Bremen
VIII Encuentro de Economía Aplicada, Murcia
XXX Simposio de Análisis Económico, Murcia
- 2004 XI Encuentro de Economía Pública, Barcelona
VII Encuentro de Economía Aplicada, Vigo
I Congreso de AERNA, Vigo
13th EAERE Annual Conference, Budapest
XXIX Simposio de Análisis Económico, Pamplona
- 2003 X Encuentro de Economía Pública, Santa Cruz de Tenerife
12th EAERE Annual Conference, Bilbao
VI Toulon-Verona Conference, Oviedo
XXVIII Simposio de Análisis Económico, Sevilla
- 2002 IX Encuentro de Economía Pública, Vigo
- 2001 I Encuentro de Economía Industrial, Barcelona
- 1999 The 1999 ASSET Annual Meeting, Tel Aviv
V Encontro de Novos Investigadores, La Coruña
3rd Seminar on Environmental and Resource Economics, Girona
4th Spring Meeting of Young Economists, Amsterdam
- 1998 IV Encontro de Novos Investigadores, Santiago de Compostela
- 1997 Southeastern Economic Theory Conference, Chapel Hill, North Carolina

INVITED RESEARCH SEMINARS

DIW Berlin (2019), Beijing Normal University (2019), Waseda University (2018), NOVA School of Business and Economics (2017), Toulouse School of Economics (2016), Innsbruck University (2015, 2011), University of Vigo (2014), Basque Center for Climate Change (2014), University of Valladolid (2012), Autonomous University of Madrid (2011, 2007, 2006), KU Leuven (2009, 2008), University of Murcia (2008), University of Castilla la Mancha (2008, 2007, 2006), Universitat Jaume I (2007, 1999), University of the Basque Country (2006), Tilburg University (2004), Public University of Navarra (2004, 1999), Universidad Complutense de Madrid (2003), Universidad Europea de Madrid (2003, 2002), University of Edinburgh (1999), University of Málaga (1999), Carlos III University (1999, 1998), State University of New York at Albany (1998)

ORGANIZATION OF ACADEMIC EVENTS

Co-organizer of the Summer School on "Economic Foundations for Energy and Climate Policies", Berlin, in collaboration with DIW Berlin, EUI-Florence School of Regulation, Technical University Berlin, Autonomous University of Madrid, University College London and Université Libre de Bruxelles (September 2019)

Co-chair of the Scientific Committee of the VIII Conference of the Spanish – Portuguese Association of Environmental and Resource Economists (AERNA), Madrid (September 2018)

Co-organizer of the AERNA Workshops on Game Theory and the Environment (three editions so far, in 2015, 2017 and 2019)

Programme Committee Member of the World Conference of Environmental and Resource Economics (2014, 2018).

Programme Committee Member of the Annual Meeting of the European Association of Environmental and Resource Economics (every year since 2009).

Programme Committee Member of the Annual Conference of the Spanish Economic Association (2005, 2006, 2020).

REFEREEING ACTIVITIES

Editorial work: Associate Editor of Environment & Development Economics (since 2020)

Referee reports for academic journals (2 per month, on average): American Journal of Agricultural Economics, Asia Pacific Management Review, Canadian Journal of Economics, Ecological Economics, Environment & Development Economics, Environmental & Resource Economics, Environmental Economics & Policy Studies, International Review of Law & Economics, Journal of Agricultural Economics, Journal of Economic Dynamics and Control, Journal of Economic Surveys, Journal of Economics & Management Strategy, Journal of Environmental Economics and Management, Journal of Environmental Planning & Management, Journal of International Trade & Economic Development, Journal of Regulatory Economics, Management Science, Natural Resource Modelling, Regulation & Governance, Resource & Energy Economics, SERIEs Spanish Economic Review, The Manchester School.

Referee reports for research projects: Agencia Nacional de Evaluación y Prospectiva (ANEP), Research Council of Canada

Member of committee awards: Best Environmental and Resource Economist under the Age of 40 (WCERE Gothenburg, 2018; EAERE Manchester, 2019); Best Publication in the Field of Environmental and Resource Economics (AERNA Madrid, 2018); Best Poster Presented at the Conference (WCERE Istanbul, 2014)

MEMBERSHIP

Member of the European Association of Environmental and Resource Economists, since 2003.

Member of the Spanish-Portuguese Association of Environmental and Resource Economists, since 2004

Council Member of the Spanish-Portuguese Association of Environmental and Resource Economists, 2012-2014, 2015-2017.

TEACHING EXPERIENCE

I have a broad teaching experience of more than 25 years in several institutions. I have taught both in private and public places, in Spain and abroad, in Spanish and English, and at undergraduate and graduate students. I have taught in the following institutions:

Autonomous University of Madrid (2006-2020): Microeconomics (principles, intermediate, advanced, and master level) and Environmental Economics (for the Degree in Environmental Sciences)

The University of Innsbruck (2015): Environmental Economics (master level)

Universidad Rey Juan Carlos (2014): Environmental Economics (master level)

Universidad Europea de Madrid (2001-2006): Mainly Microeconomics at different levels.

Les Roches Management School (2003): Introduction to Economics and Statistics for Business (master level)

ESIC (2000): Intermediate Microeconomics (undergraduate level)

Saint Louis University (1999-2000): Principles of Economics, International Business (undergraduate level)

Carlos III University (1993-1998): Several courses of Microeconomics, International Economics, Principles of Economics,... as Teaching Assistant

PhD THESIS SUPERVISION

ADRIAN CABALLERO CASTILLEJO. “Behavioral Aspects of Environmental Voluntary Practices”, in progress (co-supervised with R. López-Pérez)
Year of defense and place: 2021, Universidad Autónoma de Madrid

EMMANUELLE LAVAINÉ “Social Inequalities Linked to the Effect of Pollution on Health” (co-supervised with M. Chiroleu Assouline).
Defense date and place: 12/09/2013, Paris School of Economics
Job placement: University of Montpellier

MASTER AND DEGREE THESIS SUPERVISION

Several supervised thesis at the master and degree levels, at several institutions including Universidad Europea de Madrid, Autonomous University of Madrid, Universidad Rey Juan Carlos, and Toulouse School of Economics.

LANGUAGES

Spanish (mother tongue) and English (fluent)