

## CONTACT INFORMATION

Institution  
Departament

Banco de España  
International Economics and Euro Area  
DG Economics, Statistics and Research.  
Madrid/Spain  
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Spanish  
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## WORKING EXPERIENCE

**Since June 2021.**

**Economist at Bank of Spain, DG Economics, Statistics and Research.** Madrid, Spain

- Department of International Economics and Euro Area. Unit of Advanced and Systemic Economics.

**Oct 2018- June 2021.**

**Assistant Professor of Economics (Profesor Ayudante Doctor). Faculty of Economics and Business. Universidad Autónoma de Madrid.** Madrid, Spain .

**Oct 2020- June 2021.**

**Senior Fellow. Esade Center for Economic Policy & Political Economy (Esade Ec-Pol).** Madrid, Spain .

**Nov 2017 -Oct 2018.**

**Postdoctoral Researcher. Department of Agricultural Economics. Universidad Politécnica de Madrid (UPM).** Madrid, Spain.

- Working for Madforwater (Horizon 2020 project, European Commission DG Research). PI in UPM partner: Professor Consuelo Varela Ortega

## VISITING POSITIONS

**University of California, Riverside, USA.** School of Public Policy. *Professor:* Ariel Dinar. October-December 2016.

**Memorial University of Newfoundland, Canada.** Department of Economics. *Professor:* Roberto Martínez-Espíñeira. September-December 2015.

## INTERESTS

**Research fields:** Environmental, Energy and Climate Economics, International Trade, Migration, Carbon pricing, Industrial Relocation, Firms' performance, Inequality, Applied econometrics.

**Teaching fields:** Applied Macroeconomics, International Economics, Behavioral Economics, Development Economics.

## EDUCATION

**January 2018. PhD in Economics.** University of Valencia, Spain.

**Prize to the best thesis in Economics awarded by the Spanish Royal Academy of Doctors** (Real Academia de Doctores, RADE).

**Premio Extraordinario de Doctorado (Universidad de Valencia).** Doctoral award to PhD dissertation considered outstanding among the ones defended in a particular faculty/university

- **Title:** Essays in Applied Microeconomics on Water Resources Management.

- **Advisors:** Professors Andrés J. Picazo-Tadeo and Juan Máñez Castillejo
- Awarded maximum qualification ("*Cum Laude*") and International Distinction ("*Mención Internacional*").
- **Doctoral Fellowship** from the *Spanish Ministry of Economics and Competitiveness* (FPI Scholarship)
- **Committee:** Celine Nauges, Salvador del Saz, Fernando Arbués, Jose María Labeaga, Giulia Romano, Mercedes Beltrán.

**2012-2013. MA in Economics.** University of Granada and SRH Hochschule Berlin (Germany).

- Distinguished by a **Mention of quality** awarded by the *Spanish Ministry of Education*.

**2007-2012. BA in Business Administration and Management.** University of Granada.

- **Outstanding Academic Award for the Degree.**

#### WORKING PAPERS

**Forced migrations and food crises.** Bank of Spain working paper series N.2227. *with Jordi Paniagua (University of Valencia) and Federico Carril-Caccia (Deusto University).*

- Related column in VoxEU  
<https://cepr.org/voxeu/columns/forced-migration-and-food-crises>
- Featured as SUEF Policy Brief <https://www.suerf.org/suerf-policy-brief/54607/forced-migration-and-food-crises>

**Carbon pricing and inflation volatility (with Daniel Santabábara).** Bank of Spain working paper series N.2231.

#### WORK IN PROGRESS

**The macroeconomic effects of energy shocks,** *with Irma Alonso, Marina Diakonova & Evi Pappa*

**Climate Clubs and Corporate Environmental Performance.,** *with Ernesto Rodríguez-Crespo & Pilar Velasco*

#### PUBLICATIONS

##### Papers in Journal Citation Report

**Peiró, J., Rodríguez-Crespo, E.; Suárez-Varela, M. 2022.** Do countries with higher institutional quality transition to cleaner trade?. *Ecological Economics*.

- Resumen en Nada es Gratis: <https://bit.ly/3WLdMrv>

**Suárez-Varela, M.; Rodríguez-Crespo, E. (2022).** Is dirty trade concentrating on more polluting countries? Evidence from African trade patterns. *Economic Analysis and Policy (JCR, Q1)*

**García-Valiñas, M.; Martínez-Espiñeira, R.; Suárez-Varela, M.; 2021** Price and consumption misperception profiles: The role of information in the residential water sector. *Environmental and Resource Economics. (JCR, Q1)*.

- Resumen en Nada es Gratis: <https://bit.ly/3VMAMV0>

**Picazo-Tadeo, A.J, González-Gómez, F.J., Suárez-Varela, M. 2020.** Electoral Opportunism with incomplete transfer of control rights. *Local Government Studies (JCR 2018, Q2)*.

- Resumen en Nada es Gratis: <https://bit.ly/38RNM1Z>
- Media coverage: La Vanguardia, EFE news agency.

**Suárez-Varela, M. 2020..** Modeling residential water demand: An approach based on household demand systems. *Journal of Environmental Management*. (JCR 2018, Q1).

**Suárez-Varela, M.; Martínez-Espiñeira, R. 2018.** A proposal for the analysis of price escalation within water tariffs. The impact of the Water Framework Directive in Spain. *Environment and Planning C: Politics and Space* 36 (4):726-749. (JCR 2017, Q1).

**Suárez-Varela, M.; García-Valiñas, M.A.; González-Gómez, F.; Picazo-Tadeo, A.J. 2017.** Ownership and performance in water services revisited: Do private management really outperform public one?. *Water Resources Management* 31(8): 2355-2373 .DOI: 10.1007/s11269-016-1495-3 (JCR 2017, Q1).

**Suárez-Varela, M.; Guardiola, J.; González-Gómez, F. 2016.** Do pro-environmental behaviors and awareness contribute to improve subjective well-being?. *Applied Research in Quality of Life* 11(2): 429-444. ISSN 1871-2584. DOI:10.1007/s11482-014-9372-9. (JCR 2016, Q2).

**Suárez-Varela, M.; Martínez-Espiñeira, R.; González-Gómez, F. 2015.** An analysis of the price escalation of non-linear water tariffs for domestic uses in Spain. *Utilities Policy* 34:82-93. DOI:10.1016/j.jup.2015.01.005. (JCR 2015, Q3).

#### POLICY PAPERS AND CONSULTANCY WORK

### Banco de España

**The EU economies' natural gas inventories in 2022 and 2023 under two hypothetical scenarios**, Banco de España Economic Bulletin *(with Irma Alonso, Lucía López y Daniel Santabárbara)*.

- Media coverage: Antena 3, La Vanguardia, El Periódico de la Energía

**The effect of food crises on international migrations**. Banco de España Analytical Article.

**An analysis of the global economic impact of the recent increase in energy commodity prices**. Banco de España Economic Bulletin, (with Irma Alonso).

**The EU-Mercosur trade agreement and its impact on CO2 emissions**. Banco de España Analytical Article, (with Rodolfo Campos and Jacopo Timini).

**Recent developments in Spanish retail electricity prices: the role played by the cost of CO2 emission allowances and higher gas prices**. Banco de España, Documento Ocasional. (with Matías Pacce and Isabel Sánchez).

- Media coverage: Antena 3, El Mundo, Expansión, Cinco Días, El Economista.

### Esade EcPol

**Evaluation of the distributional implications of the National Fund for the Sustainability of the Electricity System** (in Spanish). Esade EcPol, Policy Brief, *(with Pedro Linares y JC Romero)*.

**Reforms, governance and human capital: the major weaknesses of the recovery plan** (in Spanish), Esade EcPol, policy brief, *(with Toni Roldán, Lucas Gortázar, Manuel Hidalgo and others)*.

- Media coverage: El País.

**A green way out of the crisis. Proposals for the use of European funds in ecological transition** (in Spanish) Esade EcPol. Policy Brief, *(with Pedro Linares)*.

- Media coverage: El Economista, Europa Press.

## Horizon 2020, European Commission

**Review of the use of economic instruments in water management in Egypt, Morocco and Tunisia.** Technical Report for Madforwater (H2020 project)

**Effects of water stress on food security and socioeconomic development.** Technical Report for Madforwater (H2020, project).

## Otros

**Suárez-Varela, M. 2020.** Las políticas tarifarias de agua urbana en España. Fedea.

### TEACHING

**2018-2020 Autonomous University of Madrid (UAM).**

International Economics.

Economics of the European Union.

Applied Macroeconomic Analysis.

Analysis of the Economic Environment.

Development Economics.

Behavioral Economics.

**2018 Fall Semester. Polytechnique University of Madrid (UPM).**

Module on Environmental and Resource Economics (Master degree).

**2015, 2016 and 2017 Spring Semesters. Universidad de Valencia**

Macroeconomics Analysis applied to the Spanish Economy

- **Teaching Award to the best lecturer 2015 (based on student evaluations). Department of Applied Economics.**

### CONSULTANCY WORK

**2021. Bebartlet.** I collaborated with the company as an external expert in economic policy for the Green Transition, working with some main Spanish energy companies relevant to the international landscape.

### REVIEWER ACTIVITY

*Ecological Economics (JCR, Q1), Economic Modelling (Q2), Journal of Environmental Management (JCR, Q1), PLOS One (JCR, Q1), Water Resources and Economics (JCR, Q1); Water Resources Management (JCR, Q1); Utilities Policy (JCR, Q3); Revista de Economía Aplicada (JCR, Q4); Water Policy (JCR, Q4); Water (JCR, Q2) (2); Water Economics and Policy.*

### EVALUATION ACTIVITY

**National Expert and Evaluator for the Spanish National Research Agency (ANEP, Agencia Estatal de Investigación) .**

### OTHER PUBLICATIONS

#### Other journals

**Suárez-Varela, M. (2020).** Patrones migratorios entre África y Europa: el rol de la inseguridad alimentaria. Revista ICE 914 (ÁFRICA: Integración económica y transformaciones estructurales). <https://doi.org/10.32796/ice.2020.914.7026>.

<http://www.revistasice.com/index.php/ICE/article/view/7026>

**Suárez-Varela, M. (2015).** ¿Está relacionada la eficiencia en el servicio urbano de agua con la titularidad del gestor?. Agua y territorio 6, 108-122. ISSN 2340-8472.

**Suárez-Varela, M. (2014).** Degradación Medioambiental: Una perspectiva desde el bienestar subjetivo. Revista de Estudios Empresariales Segunda Época 1, 28-39. ISSN 1988-9046

## Book chapters

**Suárez-Varela, M.** "Water supplier's ownership and efficiency in urban water services". In Matés-Barco, Juan Manuel y Rojas-Ramírez, José Juan Pablo (coords.) (2018): Agua y Servicios Públicos en España y México, Jaén, UJA Editorial y Universidad de Guadalajara. ISBN: 978-84-9159-125-2 (en prensa).

## SCHOLARSHIP AND AWARDS

**2022** INFER policy research award in the 24th INFER 2022 Annual Conference

**2018 Prize to the best thesis in Economics** awarded by the Spanish Royal Academy of Doctors (Real Academia de Doctores, RADE).

**2017 Ramón Areces Conference Grant** . Simposio de la Asociación Española de Economía 2017.

**2015 Award to the best lecturer** according to evaluation from students. Department of Applied Economics II. University of Valencia.

**2014 Asociacion Libre de Economía (ALDE) Conference Grant** Applied Economics Meeting

**2014 Spanish Ministry of Economics and Competitiveness** Doctoral Fellowship.

**2013 Award for Excellent Academic Record** (Outstanding academic award for the Degree). Universidad de Granada and Caja Rural de Granada.

**2013 Erasmus** European Scholarship.

**2011/2012** Research Assistant Scholarship for Excellent University Students from **Spanish Ministry of Education (Beca de colaboración)**. Departamento de Economía Aplicada. Universidad de Granada.

**2007** Extraordinary prize in high school (Bachillerato)

## INVITED CONFERENCES

**2019. La política económica española frente a la crisis del coronavirus..** With Rafael Domenech (President of BBVA Research) and Alain Cuenca (President of Instituto Estudios Fiscales, IEF). XXXV Jornadas de Alicante de Economía Española.

## SEMINARS AND PRESENTATIONS

**Summary: Participation in around 40 scientific events. Organizing committee in 4 conferences, scientific committee in other 3 events**

## As speaker:

**2022:** G4 meeting 2022 of 4 largest EU's countries central banks: Spain, France, Germany and Italy (online); I BdE Conference on the Spanish Economy (Madrid, Spain), Applied Economic Meetings (Palma de Mallorca, Spain); 1st Annual ECB workshop of Cluster on Climate Change  
**2021:** AMENET Ghana conference (online), Universidad Pablo de Olavide Seminar series (online).

**2020:** Workshop Instituto Estudios Fiscales (IEF)- Fedea (online); Jornadas de Alicante de Economía Española (online).

**2019:** MEDCR Water pricing expert workshop. Invited talk (Larnaca, Cyprus); World Water Day Forum, Canal de Isabel II y Fundación Canal. Round table on access to water and sanitation. Invited talk (Madrid, Spain); Applied Economic Meetings 2019 (Cartagena, Spain)

**2018:** EBC Conference 2018 (Chania, Greece); VIII AERNA Conference of the Spanish-Portuguese Association of Natural Resources and Environmental Economics (Madrid, Spain); XXXIII Jornadas de Economía Española (Alicante, Spain)

**2017:** Simposio de Análisis Económico 2017 (Barcelona, Spain); European Association of Environmental and Resource Economics. EAERE Conference 2017. (Athens, Greece); XVIII Applied Economics Meeting. ALDE (Asociación Libre de Economía) (Valencia, Spain); IWA Conference on Water Challenges in the XXI Century: Role of Economics, Statistics and Asset Management (Livorno, Italy); I YWP Spain National Conference (Bilbao, Spain); XXXII Jornadas de Economía Española (Alicante, Spain); YWP Spain National Meeting. SIGA Madrid. (Madrid, Spain).

**2016:** European Association of Environmental and Resource Economics. (ETH Zurich, Switzerland); XXIII Public Economics Meeting 2016 (Orense, Spain); 2nd International Seminar on Water Resources Management (Oviedo, Spain); Water Economics Seminar. School of Public Policy (University of California, Riverside, USA); 8th Eastern European YWP Conference 2016. (Gdansk, Poland).

**2015:** 1st International Conference on Redrafting Water Governance. (Lisbon, Portugal); International Seminar on European Water Utility Management: Promoting Efficiency, Innovation and Knowledge in the Water Industry (Pisa, Italy); Invited seminar in the Department of Applied Economics II (Valencia, Spain); XXII Public Economics Meeting 2015 (Santander, Spain).

**2014:** XI INTECO Workshop on Economic Integration 2014 (Valencia, Spain); XVII Applied Economics Meeting (Gran Canaria, Spain); XXXIX Workshop on Spanish Economy (Alicante, Spain); IWA World Water Congress and Exhibition (Lisbon, Portugal).

**2013:** XVI Applied Economics Meeting (Granada, Spain); XII Spanish Congress of Environmental Health (Granada, Spain).

### *As organising committee:*

**June 2016.** 2nd International Seminar on Water Resources Management. University of Oviedo. 28-29th June 2016.

**April 2015.** I Workshop in Water Economics. University of Granada.

**June 2013.** XVI Applied Economics Meeting. ALDE (Asociación Libre de Economía). Universidad de Granada.

### *As Scientific Committee:*

**October 2019.** YWP Spain 2019 (Madrid);

**September 2017.:** IWA Conference on Water Challenges in the XXI Century: Role of Economics, Statistics and Asset Management. University of Livorno. 11-13 September 2017.

**January 2017.:** 3rd International Seminar on WRM. University of Pisa. 27-January 2017.

**June 2016.:** 2nd International Seminar on WRM. University of Oviedo. 28-29th June 2016.

## RESEARCH PROJECTS

**Researcher:** The European Union, Mediterranean and Africa Integration in the global age (AMENET). **European Commission.** November 2018-Currently. Main researcher: Professor Jose María Mella.

**Postdoctoral Fellow:** Development and Application of Integrated and Management Solutions

for Wastewater Treatment and Efficient Reuse in Agriculture Tailored to the Needs of Mediterranean African Countries (MADFORWATER). **European Commission H2020**. *November 2017-November 2018*. Main researcher: Professor Consuelo Varela Ortega.

**Researcher:** Economic Growth and Environmental Performance. **Ministerio de Economía y Competitividad**. *January 2017-December 2019*. Main researcher: Professor Andrés Picazo Tadeo.

**Researcher:** An analysis of the economic impact of privatization processes in urban water sector in Andalucía, Spain. **Junta de Andalucía**. *December 2014- Currently*. Main researcher: Professor Francisco González Gómez.

**Predoctoral Fellow:** Water Tariffs for Residential Uses in Spain in the context of the Water Framework Directive: Economic, environmental and political analysis. **Ministry of Economics and Competitiveness**. *January 2014- December 2017*. Main researcher: Andrés Picazo Tadeo.

#### TEACHING PROJECTS (FUNDED)

**October 2020- June 2021: Programme for learning innovation..** Evaluación de trabajos grupales: Experimentando con la economía. Lead of the project: Laura García Pérez

**October 2020- June 2021: Programme for learning innovation.** Introduciendo el aprendizaje por proyectos en Estructura Económica Mundial y de España: el informe económico. Lead of the project: Ernesto Rodríguez Crespo

**October 2011- May 2014: Programme for learning innovation.** Application of Ultra-media to the content of a subject taught in the Degree in Economics to promote online learning, bilingual teaching and integration of students with special needs. University of Granada. Lead of the project: Francisco Jose González Gómez and Miguel Ángel García Rubio.

**October 2011- October 2012: Project for learning innovation.** Development of a Personal Learning Environment (PLE) 2.0.: An experience in accountancy. University of Granada. Lead of the project: Esteban Romero Frías.

**October 2011- May 2012: Programme to adapt learning to the Bologna Process** Economics, Solidarity and Humanism. University of Granada. Lead of the project: Francisco Jose González Gómez and Jorge Guardiola WandenBerghe.

#### TEACHING CONFERENCES AND TRAINING.

**2019:** XV Jornadas de Docencia en Economía Aplicada, ALDE (Madrid, Spain).

**2018:** XIV Jornadas de Docencia en Economía Aplicada, ALDE (Madrid, Spain).

**2017:** XIII Jornadas de Docencia en Economía Aplicada, ALDE (Madrid, Spain).

#### OTHER RELEVANT INFORMATION

**Member of the Steering Committee of Asociación Libre de Economía (ALDE).** *2018- Currently*.

#### OTHER TRAINING EXPERIENCES

Fall 2021 **Macroeconometric Forecasting**. Barcelona Graduate School of Economics

May 2021 **Time Series Models for Macroeconomic Analysis**. Barcelona Graduate School of Economics

May 2019 **Introduction to Computer Science and Programming Using Python**. Massachusetts Institute of Technology. Edx Online Course.

March 2018. **GAMS applied to hidroeconomic modelling.** Professor **Kamel Louichi (Joint Research Center, Seville, Spain)**. AgroMediterranean Institute of Bari (CIHEAM IAMB). Bari, Italy.

June 2017. **Research Course in International Economics.** Universidad Católica de Valencia. **Jeffrey Bergstrand (Notre Dame University) and Gianmarco Ottaviano (London School of Economics)**.

June 2015. **Model-based imputation methods in poverty analysis: Poverty mapping and beyond.** Valencia Summer School in Business and Economics. **Peter Lanjouw and Roy Van der Weide (World Bank)**.

June 2015. **Survival models and policy evaluation** (Diff-in-diff, regression discontinuity and others). University of Valencia.

December 2014. **Exploratory Data Analysis.** Johns Hopkins University. Coursera Online Course.

December 2014. **R Programming.** Johns Hopkins University. Coursera Online Course.

November 2014. Intensive Course in **European Financial Integration.** Professor **Dr. Michael G. Arghyrou (Cardiff Bussines School, UK)**. University of Valencia. Valencia, Spain.

June 2014. **Dynamic Panel Data Models.** Professor **Arthur Van Soest (Tilburg University)**. Valencia Summer School in Business and Economics. University of Valencia. Valencia, Spain.

February 2013. **Advanced Structural Equations Modelling** with LISREL: Advanced topics. University of Granada. Granada, Spain.

October 2012- January 2013. **Economic Analysis in Water Management.** University of Salamanca. Salamanca, Spain.

September 2012. **Introduction to Structural Equations Modelling** with LISREL. University of Granada. Granada, Spain.

Julio 2012. **Macroeconomics.** London School of Economics and Political Sciencies. Summer School.

#### MISCELLANEA

**Languages** Spanish (mother tongue), English (fluent, C1 Cambridge Certificate in Advanced English).

**Scientific Software** Stata, LaTeX, R, GAMS.