

David García-León

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CONTACT INFORMATION	European Commission - Joint Research Centre Edificio Expo - Inca Garcilaso, 3 41092 Seville (Spain)	+34 954488343 david.garcia-leon@ec.europa.eu www.davidgl.eu
PERSONAL INFORMATION	Born: Cabo de Palos, 9 June 1983	Nationality: Spanish
CURRENT APPOINTMENT	<i>Scientific Officer, European Commission, Joint Research Centre</i> (2020-) Climate Change Impact and Adaptation Policy Analyst Economics of Climate Change, Energy & Transport Unit	
EDUCATION	Ph.D., Quantitative Economics. University of Alicante , Spain (2017) Dissertation: Three Essays in Climate Change Economics M.Sc., Economics and Finance. CEMFI , Madrid, Spain (2009) M.Sc., Finance. ESCP-EAP, Madrid, Spain (2007) B.A., International Economics. Manchester Metropolitan University , United Kingdom (2006) B.A., Economics. University of Murcia , Spain (2006)	
PUBLICATIONS	<p>García-León, D., Masselot, P., Mistry, M.N., Gasparrini, A., Motta, C., Feyen, L., and J.C. Císcar (2024). Temperature-related mortality burden and projected change in 1368 European regions: a modelling study. <i>The Lancet Public Health</i> 9(9) [doi]</p> <p>Shahpari, G., Ashena, M., Martínez-Cruz A.L., and D. García-León (2023). Implications from agriculture based climate change scenarios on the Iranian economy - A computable general equilibrium approach. <i>Theoretical and Applied Climatology</i>. [doi]</p> <p>Matei, N.A., García-León, D., Dosio, A., Barranco, R, Batista e Silva, F., and J.C. Císcar (2023). Regional impact of climate change on European tourism demand. <i>JRC Technical Report</i>, 131508. [doi] [Data]</p> <p>Coverage: El País, TVE, BBC, Der Spiegel, Politico</p> <p>Masselot, P., Mistry, M.N., Vanoli, J., Schneider, R., lungman, T., García-León, D., Císcar, J.C., Feyen, L., Orru, H., Urban, A., Breittner, S., Huber, V., Schneider, A., Samoli, E., Stafoggia, M., Armstrong, B., Nieuwenhuijsen, M., Vicedo-Cabrera, A., Gasparrini, A., MCC Research Network, and EXHAUSTION project (2023). Excess mortality attributed to heat and cold: a health impact assessment study in 854 cities in Europe. <i>The Lancet Planetary Health</i> 7(4), e271-e281 [doi]</p> <p>Mistry, M.N., Schneider, R., Masselot, P., Royé, D., Armstrong, B., Kysely, J., Orru, H., Sera, F., Tong, S., Lavigne, E., Urban, A., Madureira, J., García-León, D., Ibarreta, D., Císcar, J.C., Feyen, L., de Schrijver, E., Coelho, M., Pascal, M., Tobias, A., MCC Research Network, Guo, Y., Vicedo-Cabrera, A., and A. Gasparrini (2022). Comparison of weather station and climate reanalysis data for modelling temperature-related mortality. <i>Scientific Reports</i> 12, 5178. [doi]</p> <p>Shahpari, G., Sadeghi, H., Ashena, M., and García-León, D. (2022). Drought effects on the Iranian economy: a computable general equilibrium approach. <i>Environment, Development and Sustainability</i> 24, 4110-4127. [doi]</p> <p>García-León, D., Casanueva, A., Standardi, G., Burgstall, A., Flouris, A.D., and L. Nybo (2021). Current and projected regional economic impacts of heatwaves in Europe. <i>Nature Communications</i> 12, 5807. [doi]</p> <p>Coverage: The Guardian, El Mundo, The New York Times, CNN, El País Altmetric: 99th percentile</p>	

García-León, D., Standardi, G., and A. Staccione (2021). An integrated approach for the estimation of agricultural drought costs. *Land Use Policy* 100, 104923. [\[doi\]](#)

García-León, D., López-Lozano, R., Toreti, A., and M. Zampieri (2020). Local-scale cereal yield forecasting in Italy: Lessons from different statistical models and spatial aggregations. *Agronomy* 10(6), 809. [\[doi\]](#)

García-León, D., Contreras, S., and J. Hunink (2019). Comparison of meteorological and satellite-based drought indices as yield predictors of Spanish cereals. *Agricultural Water Management* 213:388–396. [\[doi\]](#)

OTHER WRITINGS

(in Spanish):

“Impactos y riesgos del cambio climático en España: Una breve panorámica”, with Juan Carlos Císcar, *Papeles de Energía* 16, February 2022. [\[link\]](#)

“Cambio Climático y Política Económica: Estado del arte y retos a corto plazo”, *Nada es Gratis*, May 2020. [\[link\]](#)

WORKING PAPERS

“Adapting to Climate Change: An Analysis under Uncertainty”, Nota di Lavoro 10.2016, Milan, Italy: Fondazione Eni Enrico Mattei, 2016. [\[link\]](#)

“Weather and Income: Lessons from the main European Regions”, Nota di Lavoro 39.2015, Milan, Italy: Fondazione Eni Enrico Mattei, 2015. [\[link\]](#)

“Stock accumulation in the euro area during the Great Recession”, (“La acumulación de existencias en el Área del Euro durante la Gran Recesión.”) with Pablo Burriel. Bank of Spain’s Economic Bulletin, February 2011. [\[link\]](#)

“Pension system reforms in some EMU countries”, (“Reformas de los sistemas de pensiones en algunos países de la UEM.”) with Esther Gordo and Marta Manrique. Bank of Spain’s Economic Bulletin, July-August 2011. [\[link\]](#)

“A state-space approach to the evolution of house prices in Spain”, 2009

BOOK CHAPTERS

“Thematic Factsheet: Human health”, with S. Dasgupta, J.C. Semenza, E.J.Z. Robinson, K. Johnson, J. Rocklöv, A. Alessandrini, R. Lowe, F. Natale, C. Caminade, in European Climate Risk Assessment, EEA Report 01/2024, [\[doi\]](#)

VISITING POSITIONS

DG CLIMA, European Commission, Adaptation & Resilience to Climate Change Unit. Brussels, Belgium (Mar 2023)

Joint Research Centre, European Commission, Food Security Unit. Ispra, Italy (Sep-Dec 2017, Jun 2019)

Bank of Spain, DG Research. Madrid, Spain (Jun-Jul 2008)

PREVIOUS APPOINTMENTS

2018-2020: *Marie Skłodowska-Curie Postdoctoral Research Associate*

Ca’ Foscari University and **Euro-Mediterranean Center on Climate Change**, Venice, Italy

Project: WATER DROP - Droughts and Water Scarcity in the EU: Economic Impacts, Adaptation, Policy Implications and Integrated Assessment Modelling

2016-2018: *Marie Skłodowska-Curie Postdoctoral Research Associate*

Fondazione Eni Enrico Mattei, Venice, Italy

Project: WATER DROP - Droughts and Water Scarcity in the EU: Economic Impacts, Adaptation, Policy Implications and Integrated Assessment Modelling

2009-2011: *Research Assistant*

Bank of Spain, DG Research, Madrid, Spain

Euro area real-time GDP forecast

Fiscal developments monitoring in the euro area
Pension system reforms assessment

TEACHING EXPERIENCE	<p>2019-20 Statistics II [ET2022], Department of Economics, Ca' Foscari University of Venice</p> <p>2019-20 Macroeconomics [ET2029], Department of Management, Ca' Foscari University of Venice</p> <p>2018-19 Mathematical Methods for Climate Change Analysis [PHD087], Department of Environmental Sciences, Informatics and Statistics, Ca' Foscari University of Venice</p> <p>2018-19 Statistics I [ET2022], Department of Economics, Ca' Foscari University of Venice</p> <p>2018-19 Macroeconomics I-II [ET2017], Department of Economics, Ca' Foscari University of Venice</p> <p>2016 Tools for Applied Statistical Analysis, Department of Economics, UCAM University</p> <p>2013-14 Introduction to Statistics and Econometrics, Department of Economics, University of Alicante</p> <p>2013 Introduction to GAUSS: An application for cointegrated variables detection, Department of Economics, Technical University of Cartagena</p>
SEMINARS, CONFERENCES, AND INVITED PRESENTATIONS	<p>2024 European Climate and Health Observatory (Brussels, Belgium), Oficina Andaluza Cambio Climático (Seville, Spain)</p> <p>2023 International Labour Organization's International Conference on Occupational Heat Stress (Doha, Qatar); Cross-sectoral ISIMIP-PROCLIAS Workshop (Prague, Czechia); Workshop on migration, climate change and economic growth (Zaragoza, Spain); I Jornadas Economía y Cambio Climático (Oviedo, Spain); ¿Qué hace la UE por la ciencia? (Seville, Spain); European Commission's Tourism Advisory Committee</p> <p>2022 Joint Research Centre (Seville, Spain); Future, Risks and Impacts of Intense Mediterranean Cyclones (Baeza, Spain); Cross-sectoral ISIMIP-PROCLIAS Workshop (Potsdam, Germany); European Regional Science Association (Pécs, Hungary); Universidad Loyola (Seville, Spain); Asociación Española de Climatología (Santiago de Compostela, Spain)</p> <p>2021 Integrated Assessment Modeling Consortium (online)</p> <p>2020 Italian Association of Environmental and Resource Economists (Brescia, Italy); UK Network of Environmental Economists (London, UK)</p> <p>2019 Italian Association of Environmental and Resource Economists (Udine, Italy); JRC Alumni Association (Brussels, Belgium); Marie Curie Alumni Association (Vienna, Austria); CMCC - Euro-Mediterranean Center on Climate Change (Bologna, Italy); Drought and Water Scarcity: Addressing current and future challenges (Oxford, UK); Leibniz-Institut für Ost- und Südosteuropaforschung Summer Academy (Tutzing, Germany); BC3 - Basque Centre for Climate Change (Bilbao, Spain); Joint Research Centre, European Commission (Seville, Spain)</p> <p>2018 Italian Association of Environmental and Resource Economists (Turin, Italy); Euro-Mediterranean Center on Climate Change (Venice, Italy); European Society for Agronomy (Geneva, Switzerland); Spanish-Portuguese Association of Natural and Environmental Resource Economics (Madrid, Spain); Conference on Econometric Models of Climate Change (Rome, Italy); X Jornadas de Usuarios de R (Murcia, Spain)</p> <p>2017 Fondazione Eni Enrico Mattei (2); Joint Research Centre (Ispra, Italy)</p> <p>2016 Spanish Economic Association (Bilbao, Spain)</p> <p>2015 European Association of Environmental and Resource Economists (Helsinki, Finland); University of Cardiff; International conference on drought: Research and science-policy interfacing (Valencia, Spain)</p> <p>2013 Technical University of Cartagena (Spain)</p> <p>2011 Bank of Spain (2); European Central Bank (Frankfurt, Germany)</p> <p>2010 Bank of Spain</p> <p>2009 CEMFI</p>
THESIS SUPERVISED	<p>Giada Povellato (Undergraduate, Ca' Foscari University of Venice, 2020)</p> <p>Alessia Facincani (Undergraduate, Ca' Foscari University of Venice, 2020)</p>
GRANTS AND AWARDS	<p>Erasmus+ Teaching Fellowship (ICM), Ca' Foscari University of Venice, 2020</p>

Assistant Professorship Positive Evaluation (PEP, ANECA), 2019
Marie Curie Alumni Association, Micro Media Grant, 2017
Marie Skłodowska-Curie European Fellowship, Individual Fellowship, 2016 (168.277€)
Exemption of tuition fees, CEMFI, Madrid, 2007
Stephen Jones' Memorial prize for excellence, Manchester Metropolitan University, UK, 2006
Premio Extraordinario Fin de Carrera (Excellence Award), University of Murcia, 2006
Fellowship member, Socrates-Erasmus programme, Manchester, United Kingdom, 2005
Grant for living expenses abroad, Fundación Cajamurcia, 2005

SERVICE

Referee for: *Agricultural Water Management*, *Agriculture* (2), *Agronomy* (3), *Climatic Change* (4), *Economies* (2), *Environmental Research Communications* (2), *Environmental Research Letters* (4), *European Environment Agency*, *International Journal of Environmental Research and Public Health*, *IPCC AR6* (2), *JRC Review Board* (6), *Nature*, *Nature Communications: Medicine*, *Science of the Total Environment* (2), *Science Advances*, *Sustainability* (2), *Theoretical and Applied Climatology*, *UCL Open: Environment*

Organiser: JRC.C6 Seminar Series (2021-2022, 2022-2023, 2023-2024)

LANGUAGES

Spanish: Native
English: Advanced (C2). CPE, University of Cambridge (2013)
Italian: Advanced (C1)
German: Intermediate (B1). Zertifikat Deutsch (2011)

COMPUTER SKILLS

Coding: R, Matlab, Stata, Python, GEMPACK, Google Earth Engine
Data: NetCDF, HDF, GeoTIFF, GeoJSON, GIS, ENVI, IDL
Web: Jekyll, HTML5, CSS, Javascript, d3.js
Text: \LaTeX , Markdown, Knitr