David García-León

CONTACT
INFORMATION

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PERSONAL
INFORMATION

Born: Cabo de Palos, 9 June 1983 Nationality: Spanish

CURRENT
APPOINTMENT

Scientific Officer, **European Commission, Joint Research Centre** (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

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. ***Nature Communications*** 12, 5807. [doi]

Coverage: The Guardian | El Mundo

Shahpari, G., Sadeghi, H., Ashena, M., and García-León, D. (2021). Drought effects on the Iranian economy: a computable general equilibrium approach. *Environment, Development and Sustainability*. [doi]

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

VISITING POSITIONS	**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	2019-20 Statistics II [ET2022], Department of Economics, **Ca' Foscari University of Venice** 2019-20 Macroeconomics [ET2029], Department of Management, **Ca' Foscari University of Venice** 2018-19 Mathematical Methods for Climate Change Analysis [PHD087], Department of Environmental Sciences, Informatics and Statistics, **Ca' Foscari University of Venice** 2018-19 Statistics I [ET2022], Department of Economics, **Ca' Foscari University of Venice** 2018-19 Macroeconomics I-II [ET2017], Department of Economics, **Ca' Foscari University of Venice** 2016 Tools for Applied Statistical Analysis, Department of Economics, **UCAM University** 2013-14 Introduction to Statistics and Econometrics, Department of Economics, **University of Alicante** 2013 Introduction to GAUSS: An application for cointegrated variables detection, Department of Economics, **Technical University of Cartagena**
SEMINARS, CONFERENCES, AND INVITED PRESENTATIONS	2021 Integrated Assessment Modeling Consortium (online) 2020 Italian Association of Environmental and Resource Economists (Brescia, Italy); UK Network of Environmental Economists (London, UK) 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) 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)

2017 Fondazione Eni Enrico Mattei (2); Joint Research Centre (Ispra, Italy)
2016 Spanish Economic Association (Bilbao, Spain)
2015 European Association of Environmental and Resource Economists (Helsinki, Finland); University of Cardiff; International conference on drought: Research and science-policy interfacing (Valencia, Spain)
2013 Technical University of Cartagena (Spain)
2011 Bank of Spain (2); European Central Bank (Frankfurt, Germany)
2010 Bank of Spain
2009 CEMFI

THESIS SUPERVISED
Giada Povellato (Undergraduate, Ca' Foscari University of Venice, 2020)
Alessia Facincani (Undergraduate, Ca' Foscari University of Venice, 2020)

GRANTS AND AWARDS
Erasmus+ Teaching Fellowship (ICM), Ca'Foscari University of Venice, 2020
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

REFEREE SERVICE
Agricultural Water Management, Agriculture (2), Agronomy (3), Climatic Change (4), Economies (2), Environmental Research Communications (2), Environmental Research Letters (4), International Journal of Environmental Research and Public Health, IPCC AR6 (2), JRC Review Board (6), Science of the Total Environment (2), Sustainability (2), Theoretical and Applied Climatology

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