

João-Pedro Ferreira, PhD

PostDoc Associate and Consultant,
Food and Resource Economics Department, University of Florida, USA.

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EDUCATION

Ph.D. in Sustainable Energy Systems (specialization in Urban and Regional Economics), University of Coimbra, Portugal and MIT-Portugal Program. July 2016.

- Dissertation Title: How commuting shapes urban economies and the environment. A Commuting Satellite Account applied in an Input-output framework.

Master in Local Economics. University of Coimbra, Portugal. February 2010.

- Dissertation Title: Parking in the UC Campus: Problems and solutions; published as a journal article in Cities – International Journal of Urban Policy and Planning.

B.A. in Economics, University of Coimbra, Portugal. July 2008.

EMPLOYMENT

PostDoc Associate – Food and Resource Economics Department, University of Florida, USA. August 2019 – Present.

Consultant – FXM Associates – April, 2019 – July, 2019.

Researcher – Edward J Bloustein School of Planning and Public Policy, Rutgers University, New Jersey, USA. August, 2018 – July, 2019.

Researcher – Unit on Governance, Competitiveness and Public Policies (GOVCOPP), University of Aveiro, Portugal. August, 2017– Present.

Assistant Professor – Faculty of Economics, University of Coimbra, Portugal. Macroeconomics, Introduction to Economics, International Political Economy. February 2015 – July 2018.

Researcher – CeBER – Centre of Business and Economics Research of the Faculty of Economics of the University of Coimbra, Portugal. January 2010 – July 2017.

Consultant – Clients including: Local authorities, Bewegen Bikesharing Systems, Planning the city, BXL, CONPROJUR. February 2012 – July 2017.

Researcher and Project Management Assistant – EMSURE – Energy and Mobility for Sustainable Regions, University of Coimbra, Portugal. April 2013 – October 2015.

FELLOWSHIPS

- Postdoctoral Research Fellow funded by the Portuguese Science and Technology Foundation. Geo2Eam (Geographic Economic Environment Assessment Model). 2017-2023.
- Doctoral Research Fellow funded by the Portuguese Science and Technology Foundation. PhD Thesis by the University of Coimbra and MIT-Portugal Program: “How commuting shapes urban economies and the environment: a Commuting Satellite Account applied in an Input-output framework”. 2011-2016.
- Research Fellow. “Economically Sustainable DEMOgraphy – ReverSing decline in Peripheral RegIoNs (DEMOSPIN)”. Joint research between University of Aveiro and University of Coimbra, Portugal.
- Luso-American Development Foundation. For two short stays and conference participations in the USA. 2014 and 2017.

RESEARCH PROJECTS

- Boosting Starter Cycling Cities: the economic value of bicycle use – BooST. Funded by the Portuguese Science and Technology Foundation. 2018-2020. Budget: 250,000 euros.
- FINHABIT: The Political Economy of Housing in Portuguese economy. Funded by the Portuguese Science and Technology Foundation. 2017-2019. Budget: 300,000 euros.
- Portuguese Housing market: key statistical insights - Portugal, Lisbon and Oporto. Funded by a private client. 2017. Budget: 25,000 euros.
- Assessing the economic impact of a biotech park. Funded by local authorities. 2016. Budget: 50,000 euros.
- Energy and Mobility for SUsustainable REgions – EMSURE. Funded by the European Commission. 2013 – 2015. Budget: 1,500,000 euros.
- Economically Sustainable DEMOgraphy – ReverSing decline in Peripheral RegIoNs - DEMOSPIN. Funded by the Portuguese Science and Technology Foundation. 2010-2013. Budget: 400,000 euros.

PRIVATE CONSULTANCY PROJECTS

- Implementation Strategies for a Lawrence Fabric Regional Innovation Center. 2019.
- Feasibility Study of a Nursing and Community Senior Facility. 2018
- Feasibility Study of Figueira da Foz Bikeshaing System. Local Municipality. 2017.
- Oporto Metropolitan Area mobility plan. Regional Transportation Authority. 2017.
- Feasibility Study of Park City, Utah Bikeshaing System. Bewegen Technologies. 2016.
- Economic analysis and perspectives and Land Use Planning. Local Authorities. 2016.

- Environmental impacts of Bikesharing - Coimbra, Portugal. Bewegen Technologies. 2015.
- National, regional and local impact evaluation of the expansion of a Golf course in the Centro Region of Portugal. 2012.

MANAGEMENT AND ADMINISTRATION ACTIVITIES

- Vice-President of the Portuguese Young Researchers Association. March 2011 – July 2017.
- Project Manager Assistant of the Energy and Mobility for Sustainable Regions Project and member of the Steering Committee. April 2013 – October 2015.
- Member of the Committee for Pedagogical and Academic Affairs of the Sustainable Energy Initiative of the University of Coimbra. October 2012 – October 2015.

ORGANIZATION OF SCIENTIFIC EVENTS

- Responsible for the Local Committee of the 14th EU-REAL Conference in Coimbra – Regional Applications Laboratory network. Coimbra, Portugal. September 2017.

AWARDS

- Eng. António de Almeida Foundation Award for 2016 best dissertation - Faculty of Economics, University of Coimbra. December 2017.
- Bartolomeu Award for the best paper presented for a younger scholar. Portuguese Regional Development Association. July 2017.
- Flash session best presentation award at the 22nd International input-output association conference. July 2014.
- Best idea in Urban Environment, Life Quality and Sustainable Development. Park and Ride at Coimbra's Hospital Campus. March 2011.

PUBLICATIONS – ARTICLES IN INDEXED INTERNATIONAL JOURNALS

Ferreira J.-P., Lahr M., Ramos P. and Castro E. (2019). Migrant remittances flows within an Inter-Country Input-Output Framework. *Economic Systems Research*.

Ferreira J.-P., Ramos P. and Lahr M. (2019). The rise of the sharing economy: guesthouse boom and the crowding-out effects of tourism in Lisbon. *Tourism Economics*.

Cruz L., Imori D., Ferreira J.-P., Guilhoto J., Barata E. and Ramos P. (2019). Energy-economy-environment interactions: a comparative analysis of Lisbon and Sao Paulo metropolitan areas. *Journal of Environmental Assessment and Policy Management* 21(1), 1950002.

Ferreira J.-P., Ramos P., Cruz L., Barata E. and Lahr M. (2018). From the Douro Valley to Oporto Cellars: the Port wine value chain. *British Food Journal*, 121 (2), 466-478.

Soares N., Carvalho A., Garcia R., Rodrigues C., Caldeira C., Castanheira E., Rodrigues E., Oliveira G., Bastos J., Ferreira J.-P., Ribeiro L. and Martins A. (2018). The challenging paradigm of interrelated energy systems towards a more sustainable future. *Renewable and Sustainable Energy Reviews*, 95, 171-193.

Ferreira J.-P., Ramos P., Cruz L. and Barata E. (2018). The opportunity costs of commuting: the value of a commuting satellite account framework with an example from Lisbon Metropolitan Area. *Economic Systems Research*, 30(1), 105-119.

Ferreira J.-P., Ramos P., Cruz L. and Barata E. (2017). Modeling commuting patterns in an MRIO framework: impacts of an 'urban recentralization' scenario. *Journal of Geographical Systems*, 19(4), 301-317.

Cruz L., Barata E., Ferreira J.-P. and Freire F. (2017). Greening transportation and parking at University of Coimbra. *International Journal of Sustainability in Higher Education*. 18 (1), 23-38.

Soares N., Pereira L., Ferreira J.-P., Conceição P. and Silva, P. (2015). Energy efficiency of higher education buildings: a case study. *International Journal of Sustainability in Higher Education* 16(5), 669-691.

Ferreira J.-P., Ramos P., Cruz L. and Barata E. (2014). Economic, social, energy and environmental assessment of inter-municipality commuting: the case of Portugal. *Energy Policy*, 66, 411-418.

Cruz L., Barata E. and Ferreira J.-P. (2012). Performance in urban public transport systems: a critical analysis of the Portuguese case. *International Journal of Productivity and Performance Management*, 61(7), 730-751.

Barata E., Cruz L. and Ferreira J.-P. (2011). Parking at the UC Campus – Problems and solutions. *Cities*, 28(5), 406-413.

PUBLICATIONS – PORTUGUESE JOURNALS

Ferreira J.-P., Pina R. and Ramos P. (2012). Distances and Accessibility in Portuguese Central Region and in Portuguese Mainland. *Journal of the Commission for the Coordination and Development of Central Region*. April 2012.

Ferreira J.-P., Cruz L. and Barata E. (2010). Parking at UC: a problem for many, a cause for all. *Via Latina Ad Libitum*. March 2012.

Ferreira J.-P. and Cruz L. (2009). Urban Transit – promoting sustainability. *Industry & Environment Journal*, 55. July 2009.

PUBLICATIONS – BOOK CHAPTERS

Ferreira J.-P., Silva N. and Fontes da Costa, J. (*forthcoming*). Spatial Distribution of Housing Prices. FINHABIT: The Political Economy of Housing in Portuguese economy. Coimbra, Portugal.

Ramos P., Cruz L., Barata E., Parreiral A. and Ferreira J.-P. (2015). A Bi-regional (Rectangular) Input-Output model for Portugal: Centro and the Rest of the Country. In: Assessment Methodologies – energy, mobility and other real world applications, Godinho, P. and Costa J. (Eds.). Coimbra, Portugal.

Ramos P., Sargento A., Cruz L., Barata E. and Ferreira, J.-P. (2011). Deriving Regional Input-Output Matrices to Assess Impacts in Small Portuguese Peripheral Regions. In: Sectores estratégicos para un nuevo modelo económico, IV Jornadas Españolas de Análisis Input-Output. Universidad Rey Juan Carlos, Madrid, Spain.

CONFERENCE COMMUNICATIONS ^C AND PROCEEDINGS ^P

^{C,P} Beyond LQs: Estimating the Intra-regional Supply's Share of Local Demand via WIOD. 58th Southern Regional Science Association Conference. April, 2019. Washington D.C., USA.

^{C,P} Introducing remittances in an I-O framework. 65th Annual North American Meetings of the Regional Science Association International, November 2018. San Antonio, USA.

^C The impacts of tourism in Lisbon Metropolitan Area. 25th Portuguese Regional Development Association Conference. July 2018. Lisbon, Portugal.

^C The spatial distribution of rents in the Lisbon Metropolitan Area. Portuguese Association of Political Economy. February 2018. Lisbon, Portugal

^C Assessing the Port wine value chain: a Multi-regional input-output application. 14th EU-REAL Conference. September 2017. Coimbra, Portugal.

^C Housing rents determinants in a monocentric city. 14th EU-REAL Conference. September 2017. Coimbra, Portugal.

^P A value chain analysis of Port Wine production. 57th European Regional Science Association Conference. August 2017. Groningen, Netherlands.

^{C,P} A value chain analysis of Port Wine production. International Input-Output Association Conference. July 2017. Atlantic City, USA.

- ^P Quem exporta verdadeiramente em Portugal? Reanalizando as exportações portuguesas por recurso a um modelo IO multi-regional (in Portuguese only). Portuguese Regional Development Association Conference. July 2017. Covilhã, Portugal.
- ^{C,P} Port wine production – an MRIO value chain analysis. Input-Output-Workshop. February 2017. Osnabruck, Germany.
- ^P Energy-Economy-Environment assessment of energy efficiency scenarios: a MULTI2C application. IX Jornadas de Economia e Medio Ambiente. November 2016. Seville, Spain.
- ^C Assessing the economic and environmental impacts of an electrical bike-sharing system. The Scientists for Cycling Colloquium. November 2016. Aveiro, Portugal.
- ^{C,P} A MULTI2C application to assess the sustainability of energy efficiency scenarios. 22nd Conference of the International Sustainable Development Research Society (ISDRS). July 2016. Lisbon, Portugal.
- ^{C,P} Análise comparativa das Áreas Metropolitanas de Lisboa e São Paulo: Contributos dos Modelos Input-Output com extensões ambientais (in Portuguese only). 22nd Conference of the International Sustainable Development Research Society (ISDRS). July 2016. Lisbon, Portugal.
- ^{C,P} Beyond commuting: a study of the commuting embodied in urban areas production. 6th Spanish Conference on Input-Output Analysis. September 2015. Barcelona, Spain.
- ^{C,P} The impacts of an ‘urban recentralization’ scenario – a commuting satellite account in a MRIO framework. 6th Spanish Conference on Input-Output Analysis. September 2015. Barcelona, Spain.
- ^P Flows associated with travel-to-work patterns in Metropolitan regions. EcoMod - International Conference on Economic Modelling. July 2015. Boston, USA.
- ^{C,P} Commuting ‘embodied’ in urban areas production – who contributes to exacerbate the phenomenon? 2nd Conference Energy for Sustainability. May 2015. Coimbra, Portugal
- ^{C,P} Shaping Urban Economies: a commuting satellite account in an I/O framework. 61th Conference of North American Regional Science Association Council. November 2014. Washington D.C., USA.
- ^{C,P} Inter-Regional trade in the Lisbon Metropolitan Area: a Multi-Regional Input-output model. 20th Portuguese Regional Development Association Conference. July 2014. Évora, Portugal.
- ^P MULTI2C - Multi-Sectoral, Multi-Regional Coimbra Model: a Bi-Regional Input-Output model for Centro Region and Rest of Portugal. 20th Portuguese Regional Development Association Conference. July 2014. Évora, Portugal.
- ^P A bi-regional Input-Output model for Portugal: Centro Region and Rest of the Country. 22nd International Input-Output Association Conference. July 2014. Lisbon, Portugal.

- ^{C,P} Spill-over effects in the Portuguese economy: Lisbon Metropolitan Area vs. Rest of the Country. 22nd International Input-Output Association Conference. July 2014. Lisbon, Portugal.
- ^{C,P} Urban forms and commuting patterns: Metropolitan Multiregional Input-Output. 1st Energy for Sustainability Multidisciplinary Conference. September 2013. Coimbra, Portugal.
- ^{C,P} Metropolitan Multi-Regional Input-Output Modelling Framework. 53rd European Regional Science Association Conference. August 2013. Palermo, Italy.
- ^{C,P} Metropolitan multiregional input-output modelling framework. 19th Portuguese Regional Development Association Conference. July 2013. Braga, Portugal.
- ^P An integrated modeling approach for greening commuters' transportation and parking. 1st International Congress on Energy & Environment. June 2013. Porto, Portugal.
- ^{C,P} Economic, social, energy and environmental assessment of inter municipality commuting. 1st International Congress on Energy & Environment. June 2013. Porto, Portugal.
- ^{C,P} Commuting in Portugal: an Environmental Input-Output Application. 3rd Workshop of the Spanish-American Input-Output Society. October 2012. Santiago de Compostela, Spain.
- ^P Energy Efficiency of the Faculty of Economics of University of Coimbra: energy auditory and measures to reduce the consumption of energy". Conference on Inovation on Sustainable Construction. September 2012. Aveiro, Portugal.
- ^{C,P} Assessing changes in inter-municipality commuting: the Portuguese case. 20th International Input-Output Association Conference. June 2012. Bratislava, Slovakia.
- ^{C,P} The economic costs of inter-municipality commuting in Portugal. Portuguese Conference for an Energy Efficient Economy. June 2012. Coimbra, Portugal.
- ^C Assessing changes in inter-municipality commuting: The Portuguese case. 13th workshop of Portuguese Association of Regional Development. June 2012. Azores, Portugal
- ^P Trade Balance Estimation (International and Inter-regional) of two Portuguese Regions: Cova da Beira and Pinhal Interior Sul. 18th Conference of Portuguese Association of Regional Development. June 2012. Faro, Portugal.
- ^P Greening commuters transportation and parking at the university of Coimbra campus. Conference of International Society for Ecological Economics. June, 2012. Rio de Janeiro, Brazil.
- ^C Demography and Economy: how they interact in Portuguese peripheral regions. 12th Workshop of Portuguese Association of Regional Development. February 2012. Leiria, Portugal.
- ^{C,P} Parking management at UC Campus – A Case of Tragedy of the Commons? 17th Portuguese Regional Development Association Conference. June 2011. Bragança, Portugal.

C.P Distances and Accessibilities in Portugal mainland. 17th Portuguese Regional Development Association Conference. June 2011. Bragança, Portugal.

P Performance in Urban Transport Systems: a critical analysis of the Portuguese case. 15th International Research Society for Public Management. April 2011. Dublin, Ireland.

P Deriving Input-Output Matrices for small regions: an application to two Portuguese regions (Cova da Beira and Pinhal Interior Sul). XXXVI Reunion de Estudios Regionales. November 2010. Badajoz, Spain.

P Public Sector involvement in Urban Transportation: a critical and comparative analysis. XXXVI Reunion de Estudios Regionales. November 2010. Badajoz, Spain.

P Parking Problems at the UC Campus: Setting the research agenda. 12th World Conference on Transport Research Society. July 2010. Lisbon, Portugal

C.P Portuguese public sector involvement in urban transportation: a comparative and critical assessment. 12th World Conference on Transport Research Society. July 2010. Lisbon, Portugal

C.P How important are indirect effects in a Local Economy? – A product classification proposal. Portuguese Regional Development Association Conference. July 2010. Funchal, Portugal.

C.P Traffic and Parking at UC. Portuguese Regional Development Association Conference. July 2010. Funchal, Portugal.

C.P Financial crisis – Understanding the past, raising the future. 9th Conference of the European Sociological Association. September 2009. Lisbon, Portugal

TEACHING EXPERIENCE

Macroeconomics I and II

Production vs. Income. Potential vs. Effective Product. Short term vs. Long Term. Open and closed economies. IS-LM basic model. Fiscal policy and monetary policy. Crowding-out effect. Fiscal deficits and state revenues. Budgetary restrictions of Public sectors. Trade balance. Exchange Rate and exchange market. Actual exchange rate. External debts. Arbitration mechanisms in exchange markets. Interest rate parity equation. Optimal monetary zones. Asymmetric shocks in non-optimal monetary zones. Unemployment and inflation. Deflation and its consequences.

Introduction to Economics

Economics as a social science: different methods and assumptions. The “economic challenge”: scarcity and choice. Individual behavior and interdependence. Economic rationality. Production function. Market, State and Community. Competitiveness vs. cooperation. Supply and Demand.

Equilibrium conditions. Perfect Demand. Currency and Debt. Monetary Policies and Financial Markets. National Accounts. Unemployment and Inflation. Budget Deficits and Debts. Tax Policy.

International Political Economy II

International Political Economy: different approaches, methods and schools. International trade and the foreign policy. International Monetary System. Global interdependencies and international disequilibrium. The exchange market. Different exchange rate regimes. Flexible vs. Fixed. Classic golden standard. The instability between WWI and WWII. Bretton-Woods. Globalization and International mobility of capitals. Multi-national enterprises. European integration. Euro crisis. The rise of China and other global producers. Monetary wars.

MEMBERSHIPS

International Input-Output Association, Portuguese Association of Regional Development, Portuguese Association of Political Economy, World Conference on Transport Research.

ACADEMIC REVIEWS

Economic Systems Research (4), Portuguese Journal of Regional Studies (3), Journal of Cleaner Production (1), Energy Economics (1), International Journal of Sustainable Cities and Society (1), Journal of Building Engineering (1), Journal of Public Administration and Policy Research (1).

LANGUAGE AND OTHER SKILLS

- Portuguese (*native language*) and Fluent in: English, Spanish, French.
- Computer skills: R-studio; ArcGIS; QuantumGIS; SPSS; MATLAB.