

UPF Planetary Wellbeing initiative 3rd Call (2021)

TITLE: Food Sustainability Education (FSE) in Catalan Schools

Research team information

Department of the applicants: Department of Economics and Business

6 collaborating researchers from 5 different research teams*:

- 1) Sergi Jiménez Martín (DEE UPF)¹
- 2) Antonio Ladrón de Guevara (DEE UPF)²
- 3) Laura Batlle Bayer³
- 4) Mercè Roca i Puigvert^{2, 3, 4}
- 5) Pere Fullana i Palmer³
- 6) Christian Reynolds⁵

¹ Centre de Recerca en Economia i Salut (CRES-UPF) – DEE UPF

² Business Analytics Research Group (BARG-UPF) – DEE UPF

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*Other researchers from the abovementioned research groups may be eventually invited to participate in specific activities of the project.

DESCRIPTION OF THE ACTIVITY

Summary

Our proposal aims to contribute to the integration of Food Sustainability Education (FSE) in primary and secondary Catalan schools by analysing the present situation, identifying gaps and priorities, and developing teaching materials that promote this integration. The objective is to raise awareness and enhance critical thinking within educational institutions and agents as a trigger of the urgent required social change towards sustainable food systems and consumption habits. The initial scope of the project will be Catalonia, while we will collaborate with an external partner from the University of London (UK) and invite further international partners to extend the research to cross-country studies and generate research initiatives at the European level. A target call will be that on “Fair, healthy and

environmentally-friendly food systems from primary production to consumption” within the Horizon Europe Work Programme 2021-2022.

Proposal highlights:

- 1) Analysis of the impacts of FSE and setting priorities for its integration.
- 2) Analysis of existing FSE curricula, initiatives, and policies in Catalan schools.
- 3) Symposium and survey to raise awareness, assess, and generate knowledge regarding the development of FSE in Catalan schools.
- 4) Design and pilot testing of targeted FSE teaching activities and materials.
- 5) Research proposal to be submitted to Food-to-fork EU Horizon calls.

Motivation and background

In the last decades, **food habits** have been changing, with an increase of consumption of red and processed meat, saturated fat, sugar, refined and energy-dense foods, together with low physical activity¹. This type of eating habits, together with low physical activity, are related to overweight and obesity, which can cause non-communicable diseases. In Catalonia 35.4% of the adult population are **overweighed** and 16.7% has **obesity**. Concerning children (6-12 years old), 24.4% are overweighed and 13.8% have obesity². To tackle this, in 2006, the Health Department of the Catalan Government launched a 10-years Comprehensive **plan for health promotion** through physical activity and healthy eating (PAAS in Catalan³). Regarding education, PAAS established interventions that aimed at promoting a healthy food environment and physical activity for pupils in schools and encouraging health education. While a strong focus was placed on improving school meals and healthier food consumption in the published guidelines⁴, little has been done to integrate food education within the curricula.

This proposal focuses on **Food Sustainability Education** (FSE). Food production and consumption are essential elements for the wellbeing of the population, which are facing global and local challenges. These include the growing food demand (due to global rising population), food waste, biodiversity reduction, pesticide use, water scarcity, and malnutrition issues, such as undernourishment and obesity. To tackle these global issues, policy initiatives on shifting towards sustainable food systems have been created, such as the [Food Systems Summit 2021](#) (at the global scale), the [Farm to Fork strategy](#) (at the European Level), the Milan Urban Food Policy Pact ([MUFFP](#)) at the city level (in which Barcelona has signed the pact and this year hosts the 7th MUFFP Global Forum,); and other initiatives at more local scales, of which the UPF initiative on [Planetary menus](#) in the canteens is an

example.

Besides the nutritional and health-related reasons, the adoption of sustainable food consumption habits is an essential step to reduce **environmental** impacts, as reported by the IPCC⁵ and the EAT Lancet Commission⁶. Global food systems are responsible of 20-30% of the anthropogenic Greenhouse Gases (GHG) emissions and they are **resource intensive**: they consume 70% of the total global freshwater and 30% primary energy. In particular, an average Catalan adult emits about 2 tonnes of CO₂, consumes 146 m³ of blue water and uses 2,556 m² of land, related to the food she or he consumes in a year⁷. Moreover, **food losses and waste** contribute to 20% of these environmental impacts. Tackling the problematics related with food production and consumption is necessary and urgent, not only for environmental concerns, but also for economic and ethical reasons.

Individual Food choices depend on a range of socio-economic variables, including purchasing power^{8,9}, as well as on the information available to the consumer. Education is an essential transformative factor of the behavior of future generations¹⁰ that in turn has the potential to impact on present-day family behaviors¹¹ and to shape social food consumption patterns. Several studies show the importance of **Education Sustainable Development** (ESD) to enhance awareness and critical thinking among pupils. The UNESCO¹² explicitly states the importance of integrating ESD in all curricula of formal education as well as in teachers' education, as a powerful change agent. Moreover, UNESCO highlights that ESD should not only add new content, but educational centres should be spaces to learn and experience sustainable development. This is in line with the UPF Planetary Wellbeing initiative¹³ as a commitment of the university to *tackling the major challenges of society in the 21st Century*.

This proposal aims to contribute to a shift in educational programs and policies regarding FSE in Catalan schools. While there are numerous initiatives that integrate FSE at the individual school level and there are particular targeted programs for specific issues, such as school menus, we aim to contribute to integrate food related concerns to the educational system by **prioritizing, raising awareness, assessing, generating knowledge and developing information and teaching materials** targeted to Catalan schools. The specific areas that these materials shall cover will be determined in the exploratory phase. However, relevant topics such as nutrition and wellbeing; social, economic, and environmental impacts of food consumption and production; food ecolabeling literacy; food waste and loss; or, the impacts of food packaging, are foreseen as

key issues to be incorporated in FSE.

Objectives, work packages and associated activities

The key objectives of the project are: (1) to explore the present introduction of food sustainability concepts in the Catalan educational system; (2) to propose a priority of changes that need to be undertaken in educational curricula and policies; (3) to raise awareness regarding the need of FSE; and (4) to generate supporting educational material to promote a food consumption transformation based on the awareness of the younger generations. In addition, this project will serve as a framework to develop a proposal for the application for H2020 funding to develop a European cross-country study aimed at fostering educational policy changes that are aligned with the objectives of the UPF Planetary Wellbeing initiative.

Next follows a description of the different Work Packages (WP) to achieve these objectives:

WPO: Kickoff meeting, work coordination, and scope definition

Establishing the basis of the research activities and define the social, economic, environmental and health aspects that will be considered regarding food sustainability.

WP1: Analysis of FSE in Catalonia

- 1.1. Analysis of the curricula, regulatory framework, and policies with respect to FSE in the Catalan schools.
- 1.2. Inventory and analysis of existing pioneering initiatives regarding FSE in Catalonia.
- 1.3. Organization of an online Symposium on FSE to discuss current educational initiatives on food-sustainability and to identify development needs among key Catalan stakeholders.
- 1.4. Conducting a survey to Catalan primary and secondary schools, to gather information about the level of awareness, knowledge, incorporation, and interest regarding food sustainability contents in educational programs and policies. The questionnaire will consist of an email survey, addressed to the directors or heads of studies of educational institutions.

WP2: Diagnosis of the required changes in FSE in Catalonia

- 2.1. Identification of existing gaps. Based on the results of WP1, identifying the FSE-related topics that are (not) covered in the general educational

curricula of Catalan primary and secondary schools.

- 2.2. Prioritization of food sustainability related issues to be incorporated in the educational curriculum and identification of the optimal mechanisms for this effective incorporation.

WP3: Development of FSE packages

- 3.1. Development of information and educational packages to integrate FSE in the curriculum and institutional practices of primary and secondary schools. The pedagogical approach of the teaching packages will be that of participative *flipped-classrooms* where the process is to: 1) raise awareness of what lecturers and students do and do not know about food sustainability issues, (2) enhance curiosity, (3) encourage and accompany in the search and discrimination of relevant information, and (4) develop understanding and critical thinking that promote a behavioural change. Amongst others, the resources and insights of the [EDvolució](#) project at UPF will be taken into consideration to develop these packages, properly adapted at the primary and secondary school levels.
- 3.2. Development of an instrument to assess the integration of FSE in the schools' curriculum. Inspired by the FAO¹⁴ approach and methodology, a questionnaire will be developed to assess the integration of Food Sustainability considerations. This tool will identify the needs to be tackled in schools that aim to incorporate FSE in their curricula.
- 3.3. Pilot testing of FSE packages. One or two schools, involved in the SFE Symposium, will be invited to test the educational packages.

WP4: Dissemination and ensuring the continuity of the research line

- 4.1 Dissemination of the results and educational packages. The results of the research project will be shared with all the participant organizations of the WP2 Symposium and the survey.
- 4.2 Scientific publishing. The project aims at publishing the research conducted in refereed sustainability related journals of the highest academic standards.
- 4.3 International research calls. This research is aimed to act as a seed for cross-national studies to be proposed in the coming Farm-to-fork Horizon EC calls (for example, HORIZON-CL6-2022-FARM2FORK-01-07 and HORIZON-CL6-2021-FARM2FORK-01-15). These proposals will focus on estimating the health, economic, social, and environmental effects of further incorporating FSE concerns in the existing educational curricula and policies across European countries.

Multidisciplinary and expertise by the research group

This research proposal is **multidisciplinary in nature** since it involves an analysis of the degree of awareness and integration of considerations in terms of health, social, economic, and environmental impacts of Sustainable Food Consumption in the Catalan Education System and the need to establish priorities and develop teaching strategies to trigger the incorporation of food sustainability education to generate an urgently needed shift in consumption habits.

The research proposal involves areas of expertise and research techniques from different fields. To cover the needs that the proposal originates, the research group members are from different disciplines and include an expert in **Health Economics** from CRES UPF, experts on **data analytics** and **consumer behaviour** from BARG UPF and RISE ESCI-UPF, **environmentalists** and **food sustainability** experts from the UNESCO Chair in Life Cycle and Climate Change, and an expert in **food education, intervention design and policy impact** from the Centre for Food Policy of the University of London. The international researcher from the University of London, specialized in food consumption and education, will act as advisor in the research process as well as contribute in the development of cross-national research proposals to be presented in competitive international research calls.

WORKING PLAN

The proposal is composed of the following Work Packages:

WP0: Kickoff meeting, work coordination, and scope definition

WP1: Analysis of FSE in Catalonia

WP2: Diagnosis of the required changes in FSE in Catalonia

WP3: Development of FSE packages

WP4: Dissemination and ensuring the continuity of the research line

The following chronogram indicates the expected length of each of the different activities described in the proposal during the 2 years of its implementation.

CVs OF THE RESEARCH TEAM

Find in the following pages the Full-CV of the Project IP researchers and the One-page CVs of the research team members.

Index:

IP 1: [Sergi Jiménez](#) ¹

IP 2: [Antonio Ladrón de Guevara](#) ²

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Research Groups and Affiliations from collaborating researchers:

¹ Centre de Recerca en Economia i Salut (CRES-UPF) – DEE UPF

² Business Analytics Research Group (BARG-UPF) – DEE UPF

³ ESCI-UPF UNESCO Chair in Life Cycle and Climate Chair – ESCI-UPF

⁴ Research in International Studies and Economics (RISE) – ESCI-UPF

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CURRICULUM VITAE IP 1

Sergi Jiménez-Martín

PERSONAL DATA

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Research page: <http://ideas.repec.org/e/pji20.html>

EDUCATION

1987: B.A. in Economics. Universitat Autònoma de Barcelona (UAB.).

1989: MSc. in Economic Analysis, Department of Economics and Instituto de Análisis Económico.
UAB. 1994: Ph.D. in Economics. Universitat Pompeu Fabra (UPF).

POSITIONS

1994/96: Assistant professor. Dept. of Economics and Dept. of Statistics and Econometrics. UC3M.

1996/98: Assistant professor. Department of Economics. UC3M.

1998/04: Associate professor. Department of Economics. UC3M. 2002/04: Visiting Professor.
Department of Economics. UPF.

2004-2019: Associate Professor. Department of Economics. UPF.

2019-current: Full Professor of Economics. Department of Economics. UPF.

RESEARCH STAYS

1991: LSE/CEP, London (September-December)

1992: GSIA, Carnegie Mellon University (September-December)

1994: UCL, London (January-April).

2000: NBER, Cambridge (May-August).

2006: SUNY at Stony Brook, NY, February. 2007: IAE (CSIC), Barcelona (one year).

2009, 2010, 2011, 2012: SUNY at Stony Brook, NY (Up to one month each). 2016: UCL, London (May).

2019: UCL, London (September-December)

PROFESSIONAL AND EDITORIAL ACTIVITIES

2021-present. Editorial Board Journal of Applied Microeconometrics 2017-present. Associate Editor Empirical Economics.

2017-2021. Organizer. Policy Evaluation in Health. Barcelona GSE Summer Forum.

2015-2016. Guest associated editor of Health Economics for a Special Issue on Crisis and Health.

2015-2015. Member of the Scientific Committee of the Encuentro de Economía Aplicada.

2014-2019. Member of the Scientific Committee of the Simposio of the Spanish Economic Association 2013-present. Associate Editor of Revista de Evaluación de Programas y Políticas Públicas

2012-present. Associate Editor of Cogent Economics & Finance.

2012-2017. Member of the Editorial Board of Applied Economic Perspectives and Policy. 2010-2020. Member of the Scientific Board of *Cuadernos Económicos de ICE*.

2009-2011. Scientific Coordinator, Social Sciences calls and grants. (AGAUR, Generalitat de Catalunya). 2009-present. World Bank External Consultant.

2008-present. Director of the Barcelona Microeconometrics Summer School (BMiSS, Barcelona GSE). 2007-2015. Director of the FEDEA-LaCaixa *Economía de la Salud y Hábitos de Vida* Chair.

2008-2008. Scientific Committee of the Int. Institute of Public Finance 64th conference (Maastricht). 2008-present. Research Affiliate, CRES, Universitat Pompeu Fabra.

2006-2007. Scientific Committee of the XXXII Simposio de Análisis Económico (SAE). 2006-present. Research affiliate. HEDG, University of York.

2006-present. Associate Researcher FEDEA.

2005-2005. Organizer of the “Economics of Addiction and of Health inequality” workshop, Fundación Areces, Universitat Pompeu Fabra, Barcelona: May, 20-21th.

2003-2005. Research Affiliate, CENTRA, Sevilla.

2003-2005. Tutor. Graduate Program of Economics and Management. UPF

2002-2002. Scientific committee of the conference “Microeconomic Models and simulation tools for fiscal policy”, Instituto de Estudios Fiscales, Madrid

2002-2009. Director-Editor of *Cuadernos Económicos de ICE*. 2000-2003. Associate editor of the *Spanish Economic Review*

2001-2002. External researcher of the Instituto de Estudios Fiscales (Institute of Fiscal Studies).

2003-2003. Scientific Committee of the II Mediterranean Summer School, UIB, Mallorca, July 14-18. 1999-1999. Co-director of the 3rd PACO Workshop. Madrid.

1997-2002. Editor of volumes 63 to 67 of *Cuadernos Económicos de ICE*.

1998-1998. Scientific committee of the European Meeting of the Econometric Society, Berlin. 1997-2001. Master de Economía Industrial (UC3M). Master thesis Coordinator.

Referee for the following journals:

Review of Economics and Statistics, Journal of Econometrics, Journal of the European Economic Association, PloS ONE, Journal of Public Economics, Journal of Applied Econometrics, Journal of Health Economics, Health Economics, Labour Economics, Oxford Bulletin of Economics & Statistics, Review of Economic Dynamics, Oxford University Press, International Tax and Public Finance, Social Science & Medicine, Economica, Statistics and Probability Letters, Scandinavian Journal of Economics, Canadian

Journal of Economics, Journal of Population Economics, Journal of Labor Policy, CESifo Economic Studies, Oxford Economic Papers, Empirical Economics, Fiscal Studies, European Journal of Health Economics, European Journal of Political Economy, IZA Journal of Labor Policy, Geneva Papers on Risk and Insurance: issues and practice, Labour, Serie, Investigaciones Económicas, Spanish Economic Review, Hacienda Pública, Moneda y Crédito and Revista de Economía Aplicada.

Referee for the following agencies and institutions:

International agencies and institutions: *NSF, ERC, ISF, DFG, Università di Padova*

Spanish agencies and institutions: *ANECA, ANEP, AGAUR, Com. de Madrid, IVIE, CENTRA, Bde.*

Fields of interest:

Microeconometrics (Panel data and sample selection models), Labor Economics (Social Security and retirement, Education and Wage Skill Premium), Health Economics (Sin goods, pharmaceutical policy, Long Term Care, Health and Labor Supply).

ARTICLES IN ISI JOURNALS AND CONTRIBUTED CHAPTERS (with editorial referee)

1. “Minimum Working Age and the Gender Mortality Gap”, with Judit Vall and Cristina Bellés, *Journal of Population Economics*, forthcoming.
2. “Fatal Understaffing? COVID-19 Mortality in Spanish Nursing Homes”, with Joan Costa-Font and Analia Viola, *Journal of Aging and Health*, 2021.
3. “The effects of Social Security Incentives on Retirement in Spain”, with Pilar Garcia-Gomez, Silvia Garcia-Mandico and Judit Vall, mimeo, Chicago University Press volume for the NBER, 2021
4. “The effect of changing the number of elective hospital admissions on the levels of emergency provision”, with Catia Nicodemo and Stuart Reading, *Empirical Economics*, 2020
5. “Trends in Employment and Social Security Incentives in the Spanish Pension System: 1980-2016,” (with Pilar Garcia-Gómez, Silvia Garcia-Mandicó and Judit Vall-Castelló), NBER Chapters, in: Social Security Programs and Retirement around the World: Reforms and Retirement Incentives, 2020.
6. “Hiring subsidies for disabled individuals in Spain: Do they work?”, with Judit Vall and Arnau Juanmartí, *European Journal of Health Economics*, 2019.
7. “Disability transitions and the great recession”, with Judit Vall and Arnau Juanmartí, *Empirical Economics*, 56(5), 1623-1645, 2019.
8. “Trends in Labor Force Participation of Older Workers in Spain 1990-2015”, with Pilar Garcia-Gomez and Judit Vall-Castelló, Forthcoming in Coile, Milligan and Wise (eds) Social Security Programs and Retirement around the World: Working Longer, Chicago University Press for the NBER, 2019.
9. “Improving educational and labor outcomes through child labor regulation”, with Judit

- Vall and Elena del Rey, *Economics of Education Review*, 66, 51–66, 2018.
10. “Does Long-Term Care Subsidisation Reduce Hospital Admissions?”, with Joan Costa-Font and Cristina Vilaplana, *Journal of Health Economics*, 58, 43–66, 2018.
 11. “Trends in Labor Force Participation of Older Workers in Spain 1990-2015”, with Pilar Garcia-Gomez and Judit Vall-Castelló, mimeo. Forthcoming in Coile, Milligan and Wise (eds) *Social Security Programs and Retirement around the World: Working Longer*, Chicago University Press for the NBER, 2019.
 12. “Health Capacity to Work at Older Ages: Evidence from Spain,” with Pilar Garcia and Judit Vall-Castelló, in D. Wise (ed): *Social Security Programs and Retirement Around the World: The Capacity to Work at Older Ages*, 269-300, National Bureau of Economic Research, Inc. 2017.
 13. “Public long-term care reform and private insurance in Spain: how economic crisis has affected both of them?”, with JM Labeaga and C Vilaplana, *Health Economics*, 25(Suppl. 2): 159–179, 2016.
 14. “Bad times, slimmer children?”, with Judit Vall and Cristina Belles, *Health Economics*, 25(Suppl. 2): 93–112, 2016.
 15. “Financial incentives, health and retirement in Spain”, with Pilar Garcia and Judit Vall-Castelló, NBER WP 17048, in D. Wise *Social Security Programs and Retirement around the World: Disability Insurance Programs and Retirement*, Chicago University Press for the NBER, 2016.
 16. “The puzzling fall of the skill wage premium in Spain”, with F Felgueroso and M Hidalgo, *The Manchester School*, 84(3), 313–435, 2016.
 17. “Informal Care motivations and intergenerational transfers in European Countries”, with C. Vilaplana, *Health Economics*, March 2015, S1, 89-103.
 18. “How well do individuals predict the Selling prices of their Homes?”, (with H. Benítez-Silva, S. Eren and F. Heiland), *Journal of Housing Economics*, 29, 12-25, 2015
 19. “Unmet needs in formal care: kindling the spark for caregiving behavior”, with C Vilaplana, *Int. Journal of Health Care Finance and Economics*, 15(2), 153-184 , 2015.
 20. “Do Spanish informal caregivers come to the rescue of dependent people with formal care unmet needs?”, with C. Vilaplana, in *Applied Economic Perspectives & Policy*, 37 (2): 243-259, 2015.
 21. “Delaying the normal and early retirement ages in Spain: behavioural and welfare consequences for employed and unemployed workers”, with AR Sánchez-Martín and JI García-Pérez, *de Economist*, 162, 341-375, 2014.
 22. “Multimarket contact in pharmaceutical markets”, (with J. Coronado and P. Marín), *European Journal of Health Economics*, 15(6), 623-643, 2014.
 23. “The Determinants of Pricing in Pharmaceuticals: Are U.S. prices really so high?,” with A. Cabrales, *Health Economics*, 22(11), 1377-1397, 2013.
 24. “Retirement incentives, individual heterogeneity and labor transitions of employed and unemployed workers”, with A. Sánchez and Nacho García-Pérez, *Labour Economics*, 20, 106-120, 2013.



25. “Health, disability and pathways into retirement in Spain”, with Pilar Garcia and Judit Vall-Castelló, NBER WP 17048, in D. Wise *Social Security and Retirement around the World: Historical Trends in Mortality and Health, Employment, Disability Insurance Participation and Reforms*, Chicago University Press for the NBER, 2012, p. 127-174.
26. “Trade-off between formal and Informal Care in Spain” (with C. Vilaplana), *European Journal of Health Economics*, 13(4), 461-490, DOI: 10.1007/s10198-011-0317-z, 2012.
27. “La atención a la dependencia en España. La interacción entre el sistema social y el sanitario”, with C Vilaplana, *Gaceta Sanitaria*, SESPAS report, 26(Supl.1):124-33, 2012.
28. “Trade-off entre cuidados formales e informales en Europa”, with Pilar Garcia-Gómez and C Vilaplana, *Gaceta Sanitaria*, 2011, 25(Supl.2) :115-24, 2011.
29. “Disability, Capacity for Work, and the Business Cycle: An International Perspective”, with Hugo Benítez-Silva and Richard Disney, *Economic Policy*, volume 25, issue 63, 486-513, July 2010.
30. “Initial offers and outcomes in wage bargaining: who wins?” (with J. Garcia), *Empirical Economics*, volume 39, number 3, 815-846, December 2010.
31. “Social security incentives, exit from the workforce and entry of the young”, (with M. Boldrin and P. García Gómez), 2010. in Jon Gruber and David Wise (eds) *Social Security Programs and Retirement around the World: The Relationship to Youth Employment*, Chicago University Press for the NBER, 262–294, February 2010.
32. “Inmigración y demanda de seguros sanitarios” (with N. Jorgensen), *Gaceta Sanitaria*, 2009, 23:19- 24.
33. “Hybrid consumption paths in the attribute space”, (with A. Ladrón de Guevara), *Investigaciones Económicas (Serie from 2010 on)*, 33(3), 347-383, September 2009.
34. “Assessing the Wellbeing of the Spanish elderly”, with M. Boldrin, 2006, DEE WP 939, forthcoming in a Chicago University Press volume, 2009.
35. “Modeling consumption patterns in the attribute space: theory and evidence of hybrid behavior” (with A. Ladrón de Guevara), *International Journal of Research in Marketing*, 24(3), 242-253, 2007.
36. “An evaluation of the life-cycle effects of minimum pensions on retirement behavior”, (with A. Sánchez-Martín), *Journal of Applied Econometrics*, 22(5), 923-950, 2007.
37. “Evaluating Spanish Pension Expenditure under Alternative Reform Scenarios”, (with M. Boldrin), in Gruber, J. and D. Wise, *Social Security programs and retirement around the World: Fiscal Implications*, Chicago University press, Autumn 2007.
38. “A sequential model for older workers’ labor transitions after a health shock”, (with J.M. Labeaga and C. Vilaplana), *Health Economics*, 15(9), 1033-1059, 2006.
39. “Strike Outcomes and Wage Settlements in Spain: One or Two (dynamic) Wage Equations?”, *Labour*, 20(4), 673-698, 2006.
40. “Micro-modeling of retirement in Spain” (with M. Boldrin and F. Peracchi), in Gruber, J.

- and D. Wise, *Social Security programs and retirement around the World: Micro estimation*, Chicago University press, Spring 2004. 499-578.
41. “An empirical analysis of the demand for physician services across the European Union” (with J.M. Labeaga and M. Martínez-Granado), *European Journal of Health Economics*, 2004. 5: 150-165.
 42. “Social Security Rules, monetary incentives and retirement behavior in Spain”, (with Alfonso Sánchez), *Hacienda Pública Española*, 169, 35-66, 2004.
 43. “Latent class versus two-part models in the demand for physician services across the European Union” (with J.M. Labeaga and M. Martínez-Granado), *Health Economics* 11, 2002. 301-321
 44. “Sample attrition and labor force dynamics: Evidence from the Spanish labor force survey” (with F. Peracchi), *Spanish Economic Review (Serie from 2010 on)*, 4(2), 2002
 45. “Controlling for endogeneity of strike variables in the estimation of wage settlement equations”, *Journal of Labor Economics*, 17(3), 585-606, 1999.
 46. “Social Security and Retirement in Spain” (with M. Boldrin and F. Peracchi), in Gruber, J. and D. Wise, *Social Security Programs and Retirement around the World*, Chicago University Press, 1999.
 47. “Indexation and Wage Change Settlements: Evidence from Spanish Manufacturing Firms”, *Oxford Bulletin of Economics and Statistics*, 60(4), 449-484, 1998.
 48. “Participation, heterogeneity and dynamics in tobacco Consumption: evidence from cohort data”(with JM Labeaga and A López), *Health Economics*, 7(5), 401-414, 1998.
 49. “On The Testing Of Heterogeneity Effects In Dynamic Unbalanced Panel Data Models”, *Economics Letters*, 58(2), 157-163, 1998.
 50. “El Conflicto en las relaciones laborales: Una revisión de la literatura”, 1997 (with M. Luz Marco) *Revista de Economía Aplicada*, 17, 1998.
 51. “Algunos Factores Explicativos de la Existencia de Huelgas durante la Negociación Colectiva en España” (with J.M. Labeaga and M.Luz Marco), *Investigaciones Económicas (Serie from 2010 on)*, XX, 217-242, 1996.
 52. “It is Possible to Reduce Tobacco Consumption via Alcohol Taxation?” (with J.M. Labeaga), *Health Economics*, 3(4), 231-242, 1994.

OTHER REFEREED ARTICLES

53. “Incentive Effects of Minimum Pensions”, *IZA World of Labor*, 84, 2014.
54. “Dropout trends and educational reforms: the role of the LOGSE in Spain”, with F. Felgueroso and M. Gutiérrez, *IZA Journal of Labor Policy*, 2014.
55. “Business cycle and spillover effects on pre-retirement behavior in Spain”, with Judit Vall-Castelló, *IZA Journal of European Labor Studies*, currently *IZA Journal of Labor Policy*, 2:8, 2013.
56. “Using the Health and Retirement Study to Analyze Housing Decisions, Housing

- Values, and Housing Prices", (with H. Benítez-Silva, S. Eren and F. Heiland), *Cityscape*, 12(2), 149-158, July 2010
57. "Evaluating the Labor Supply effects of Alternative Reforms of the Spanish Pension System", *Moneda y Crédito*. 222, 271-312, 2006.
58. "El Empleo Juvenil en las Comunidades Autónomas Españolas: Incidencia del Salario Mínimo", (with I. Güemes and C. Pérez), *Revista Asturiana de Economía*, 2003.
59. "Patterns of Work and Retirement of Older Workers in Spain and Portugal (with Juan Prieto), *Euro- pean Review of Economics and Finance*, 2002.
60. "La Incidencia y la Duración del Desempleo Masculino en España" (with J. Andrés and J. García), *Moneda y Crédito*, 189, 75-123, 1989.

BOOKS

61. *Perfilado Estadístico*, F Felgueroso, J.I. Garcia-Perez and S Jiménez-Martín (coord), Fundación Are- ces, 2018.
62. *Atención sanitaria y servicios sociales: ¿una cuestión de integración o sólo de coordinación?* (S Jiménez-Martín, J Oliva and C Vilaplana, coordinadores), CIRCULO DE SANIDAD, 2011.
63. *Diferencias de coste laboral por género y sus componentes para las empresas en Andalucía* / Sergi Jiménez-Martín, J.I. García Pérez, M.A. Hidalgo Pérez, C.M. Rubio Castaño, Consejería de Econo- mía, Innovación y Ciencia, Sevilla, 2010.
64. *Aspectos Económicos de la Dependencia y el Cuidado Informal*, Sergi Jiménez-Martín (editor). Fun- dación AstraZeneca, FEDEA and UPF, May 2008.
65. *Sistema de Pensiones y Mercado de Trabajo en España*, (with M. Boldrin and F. Peracchi), Fundación BBV, Madrid, 2001.

CHAPTERS IN MONOGRAPHS

66. "Los desafíos del envejecimiento para la protección social" con A. Viola, en *Digitalización y Protec- ción Social: 30 retos para 2030*", Tesorería de la Seguridad Social, 2021.
67. "Influyendo en el comportamiento: Nudges para mejorar la salud poblacional", Fundación Isys, 2021.
68. "Las Pensiones en España", coordinado por Guillem López, Colegio General de Economistas de España, 2018.
69. "Health status and retirement of older European couples" with JM Labeaga and M Martínez-Granado, in Garcia, Paramo y Matas A "Análisis Empíricos sobre la Economía Española. Ensayos en Homenaje a Josep Lluís Raymond Bara.". 2017.
70. "Reforming the U.S. Social Security system accounting for employment uncertainty"

- with Hugo Benitez-Silva and José I. Garcia, 2016 in Hairault O and Langot F. “Labor Market and Retirement Interactions”, Oxford University Press, 57–90, 2016.
71. “The Economic Crisis and the Reform of the Spanish Pension System” in a Metalrente volume edited by Christian Traxler, 2015.
 72. “Labor Income and the Design of Default Portfolios in Mandatory Pension Systems: An Application to Chile”, (with A Sánchez-Martín, D Robalino and F Todeschini), in Robalino et al. (eds) *Social Insurance and Labor Markets: How to Protect Workers While Creating Good Jobs*, IZA conference volume, Oxford University Press, forthcoming, 2014.
 73. “¿Por qué el abandono escolar se ha mantenido tan elevado en España en las últimas dos décadas? El papel de la ley de educación (LOGSE)”, con F. Felgueroso and M. Gutiérrez, in Antonio Ciccone and Antonio Cabrales (eds.) “La Educación en España: una visión académica”, 2013.
 74. “Balance y Retos de la Formación Profesional en España”, (with Florentino Felgueroso in *Reformas para potenciar el crecimiento en España*, CIVITAS, Madrid, 2011.
 75. “La Ley 39/2006 y la Convención desde un punto de vista económico”, (with C. Vilaplana) in *Situaciones de dependencia, discapacidad y derechos. Una mirada a la Ley 39/2006 de Promoción de la Autonomía Personal y atención a las personas en situación de dependencia desde la Convención Internacional de los Derechos de las Personas con Discapacidad*. Ed. Dykinson, pp. 343-408. 2011.
 76. “¿Por qué ha caído el premio salarial a la cualificación en España?”, (with Florentino Felgueroso and Manuel Hidalgo) in A. Cabrales and M. Celentani *Talento, Esfuerzo y Movilidad Social*, Monografías FEDEA, 2011.
 77. “Inmigración y Demanda de Servicios Sanitarios”, with JM Labeaga and N Jorgensen, in Boldrin M and Conde-Ruiz N *Efectos Económicos de la Inmigración en España*, Monografías FEDEA, Marcial Pons, 2009.
 78. “Incentive effects of Retirement Income Transfers”, with D Robalino & J Piggott in *Closing the Coverage Gap: the Role of Social Pensions and Other Retirement Income Transfers*. D Robalino, R Holzmann & N. Takayama Eds. World Bank 2009.
 79. “Dependencia y cuidados de larga duración en España: una panorámica general” with D. Casado in *Aspectos Económicos de la Dependencia y el Cuidado Informal*, Sergi Jiménez-Martín (ed). Fundación AstraZeneca, May 2008.
 80. “El Perfil de los Cuidadores Informales: Presente y Futuro” with C. Vilaplana in *Aspectos Económicos de la Dependencia y el Cuidado Informal*, Sergi Jiménez-Martín (ed). Fundación AstraZeneca, May 2008.
 81. “Los Servicios Sociales para Dependientes en España” with C. Vilaplana in *Aspectos Económicos de la Dependencia y el Cuidado Informal*, Sergi Jiménez-Martín (ed). Fundación AstraZeneca, May 2008.
 82. “La Calidad de Vida de los Cuidadores en España” with C. Vilaplana in *Aspectos Económicos de la Dependencia y el Cuidado Informal*, Sergi Jiménez-Martín (ed). Fundación AstraZeneca, May 2008.
 83. “Le système de retraite espagnol: bref historique, dispositifs et réformes”, with José M.

- Labeaga, in Florence Legros (ed) *Les retraites: Libres opinions d'experts européens*, Paris, Economica, 2007.
84. "Redistribution and Solidarity in the Spanish Pension System", in Serge Allegrezza and Arun Muralidhar (eds), *Reforming European Pension Systems*, Dutch University Press, Spring 2007.
 85. "Benefit system and their interaction with active labor market policies", report for the EU, coordinated by M. Peters. http://europa.eu.int/comm/employment_social/news/2004/oct/benefit_systems_report_en.html.
 86. "Latent class versus two-part models in the demand for physician services across the European Union" (with J.M. Labeaga and M. Martínez), Reprint from *Health Economics*, in A. Jones and O. O'Donnell (eds.) *Innovations in Health Econometrics*, John Wiley & Sons, 2002.
 87. "Incentivos y pautas de retiro en España" in *100 Años de Seguridad Social Española*, Secretaria de Estado de la Seguridad Social, Ministerio de trabajo y Seguridad Social, 2002
 88. "Indiciación Salarial y Desempleo" (with J. Andrés and J. García), in *Empresas y Empresarios Españoles en la Encrucijada de los Noventa*, J. Velarde et al. (coord.), Ed. Civitas, Madrid, 1993.
 89. "Bargaining Structure and Unemployment" in *Disequilibrium on the Consumer Goods Market and the Labour-Market-Regional Analysis in Poland*, ACE report, NEI, Chapter II, 43-50, 1993.
 90. "Participación y Fecundidad de las Mujeres Casadas en España" (with J. García), in *Economía del Trabajo Femenino. Sector Mercantil y no Mercantil*, series *Debate*, 9, Instituto de la Mujer, 1989.

OTHER ARTICLES

91. "Jubilación Flexibe", with Yarine Fawaz, *Revista Economica de Catalunya*, 2019
92. "Consequences of the Economic Crisis on Health and Health Care Systems", foreword with P Garcia- Gomez and JM Labeaga, *Health Economics*, 25(Suppl. 2): 3–5, 2016.
93. "Recent developments in male disability take-up in Spain", *Regions Magazine*, 294, 18-20, 2014
94. "Ageing, the economic crisis, and the reform of the pension system", IEB report, 11-14, Barcelona, 2013.
95. "Evaluación de las Consecuencias Laborales de la Reforma de 2011 y de Reformas Alternativas", with H. Benítez and JI García-Pérez, *Revista Economía Española y Protección Social*, 5, 35–62, 2013.

96. “Introducción a la monografía sobre Reforma del Sistema de Dependencia, costes y financiación”, with J. Oliva, *Actas de Dependencia*, 6, 5-10, 2012.
97. “El sistema sanitario español: síntomas de una reforma anunciada”, with A Viola, *El Médico*, 1135, September 2012.
98. “Cuidados no profesionales y atención a la dependencia: los cuidados informales”, with P Garcia- Gómez, J Oliva, and C Vilaplana, *Papeles de Economía Española*, 129, 83-97, 2011
99. “Salud, Mortalidad y Participación Laboral en España”, with P Garcia-Gómez & J Vall-Castelló, *Revista Económica de Catalunya*, # 62, 2011.
100. “Incentivos, transiciones laborales y su incidencia en las carreras laborales”, *Revista de la Seguridad Social*, 217-234, 2010.
101. “Sobre la Propuesta para la Reactivación Laboral en España” (with Florentino Felgueroso), *Revista Circunstancia*, Septiembre 2009.
102. “Propuestas de reforma laboral en España”, (with Florentino Felgueroso), *ItalianiEuropeini*, 4/2009.
103. “Determinación de Ofertas Iniciales en la Negociación de Salarios en España” (with J. Garcia), *Cuadernos Económicos de ICE*, 2003.
104. “Incentivos a permanecer activo y pensiones mínimas: algunas propuestas de reforma”, (with A. Sánchez and M. Boldrin), *Hacienda Pública Española*, 2000.
105. “The Italian and Spanish Labor markets: Current situation and perspectives for the year 2001”, (with Franco Peracchi), *Boletín IPC*, April 2001.
106. “Spanish Labor market: Current situation and perspectives for the year 2000”, (con Franco Peracchi), *Boletín IPC*, July, 2000.
107. “Short-term forecasting of labor market indicators”, (with Franco Peracchi), *Boletín IPC*, Abril, 2000.
108. “Incentivos y pautas de jubilación en España” (with A. Sánchez), *Cuadernos Económicos de ICE*, 65, 48-65, 1999.
109. “El impacto de la reforma de 1997 en los incentivos de jubilación y la deuda implícita de la Seguridad Social”, *Economistas*, 1999.
110. “La Calidad de la EPA en la estimación de transiciones” (with Franco Peracchi), *Ekonomiaz*, 1999.
111. “El impacto de la reforma de las pensiones sobre los incentivos a la jubilación anticipada” (with Michele Boldrin, and Franco Peracchi), *Boletín IPC*, 42, 57-67, 1998.
112. “Hacia dos décadas de negociación colectiva: Antecedentes, estado y perspectivas.”, *Boletín IPC*, 22, 1996.
113. “El Sistema SAS: Revisión de sus Posibilidades de Aplicación en Economía” (with J.M.

- Labeaga),
Revista de Economía Aplicada, 2(4), 187-193, 1994.
114. “Evaluació del Creixement del PIB de Catalunya al Període 1988-1990” (with J.L. Raymond), *Nota d’Economia*, 40, 89-104, 1991.
115. “Algunas Consideraciones sobre el Mercado de Trabajo en Catalunya” (with J. Bosch, J. García and D. Vegara), *Revista Económica de Catalunya*, 15, 21-33, 1990.
116. “Creixement del Producte Interior Brut a Catalunya: Avaluació a Partir de Indicadors de Conjuntura” (with J. García, T. Garcia-Milà and J.L. Raymond), *Nota d’Economia*, 35, 29-44, 1989.

UNDER REVISION

- a. “An investigation on the effect of quitting smoking on the probability of becoming obese”, with FA Todeschini and JM Labeaga, R&R, Empirical Economics.
- b. “The Effects of Employment Uncertainty and Wealth Shocks on the Labor Supply and Claiming Behavior of Older American Workers”, with Hugo Benítez-Silva and Nacho Garcia-Pérez, 2015, R&R Labour Economics
- c. “Do Subsidies and Home Care Supports Alter the Supply of Care? ”, with Joan Costa-Font and Cristina Vilaplana, submitted,
- d. “Women’s Education, Fertility and Children’Health during a Gender Equalization Process: Evidence from a Child Labor Reform in Spain”, with Antonio Cabrales, Judit Vall and Cristina Belles, submitted.
- e. “Drug consumption and pharmaceutical copayment in Spain”, with A. Viola, submitted
- f. “Consistent estimation of panel data sample selection models”, with Majid al Sadoon and José M. Labeaga, 2019, submitted.
- g. “The Effect of Abortion Legalization on Fertility, Marriage and Long-term Outcomes for Women”, with L. González, Judit Vall and Natalia Nollenberger, submitted

WORK IN PROGRESS

- “Bank fraud and mental health”, with Yarine Faraz, Pedro Mira and Judit Vall, work in progress
- “Joint Retirement of Couples in Spain”, with Silvia Garcia-Mandico, mimeo.
- “The dynamics of fertility decisions in the UK”, with Catia Nicodemo and E. deCao, work in progress
- “Labor Force transitions and incentives to retire in recessionary times”, with J.I. Garcia-Perez, work in progress
- “Mental Health and Long term care reforms”, with Joan Costa-Font and Cristina Vilaplana,

work in progress

- “Can discontinuities kill?” with C Belles and H Ye.
- “The effect of minimum wage on early retirement behavior” with F Felgueroso
- “Flexible Retirement” with Y Fawaz and A Sánchez.

COMPETITIVE RESEARCH PROJECTS

2018/2020: ECO2017-83668-R, *Salud, Trabajo y Protección Social a lo Largo de la Vida* (PI). 2017/2019: *European project on Health and Immigration*. Judit Vall (PI)

2015/2017: *Salud, dependencia, trabajo, protección social y bienestar alrededor y después de la edad de retiro*. Spanish Ministry of Economía y Competitividad, Project ECO2014-52238-R(PI)

2014/2016: *Recercaixa competitive project “Promoting The Labour Market Integration of Disabled Workers: a Policy Evaluation Exercise for Spain”* (PI).

2012/2014: *Análisis Microeconómico de las Decisiones Individuales en el Mercado de Trabajo y de Salud: Métodos y Evaluación de Políticas*, Spanish Ministry of Science, project # ECO2011-30323-C03-02 (PI).

2012/2012: *Incertidumbre de Empleo y Jubilación en España. Analisis Comparado y Evaluación de Reformas*, Social Security Administration, FIPROS 2011 (PI).

2010/2010: *El papel del género en el futuro de la Seguridad Social*. Social Security FIPROS 2009 (PI). 2009/2011: *La dinámica en las decisiones individuales y sus efectos sobre el bienestar*, Spanish Ministry of Science, project # ECO2008-06395-C05-01 (PI and coordinator of 5 subprojects).

2009/2011: *EU Project on Long Term Care* (PI for the Spanish subproject, FEDEA).

2007/2008: *Incentivos implícitos en el Sistema de Protección Social* (PI). *Seguridad Social Española*. FIPROS 2007 (PI).

2007/2007: *The volume and geography of remittances across the EU*. EU-ECFIN. 2007/2007: *Las Huelgas en España: Una perspectiva histórica* (PI). IVIE.

2006/2007: *Dependencia y cuidado informal* (PI). *Fundación Astrazeneca*.

2006/2008: *Spanish Ministry of Education Project # SEJ 2005-08783-C04-01* (PI and Coordinator of 4 subprojects)

2004/2006: *FBBVA: “Salud, consumo e incentivos en la transición a la inactividad en las familias”* (PI). 2004/2005: *Member of the FINRET network*.

2003/2005: *Spanish Ministry of Science and Technology Project BEC2002-04294-C02-01* (PI). 2001/2004: *Member of the SHARE team*.

2000/2002: *DGES project PB98-1058-C03-03*. (PI).

2000/2002: *CHER: EU network project HPSE-CT-1999-00037* (PI).

2000/2009: *Associate researcher and member of the steering committee of the project*

“Pharmaceutical Policy in the light of the Social Sciences” financed by the Merck foundation. UPF and UC3M.

2000/2001: MEC Spanish-Italy integrated project HI1999-0027 (PI).

1997/2000: "Social Security and Retirement". FBBVA. Joint with M. Boldrin (PI) and F. Peracchi. 1996/1998: Member of Spanish DGES project PB95-0980. PI: J.García (UPF).

1996/1998: Member of Spanish DGES project PB95-0292. PI: Miguel Delgado (UC3M) 1993/1995: Member of DGYCIT project PB92-1036-C02-01. PI: J.García (UPF).

1993/1993: Participant in the ACE (EU): “Disequilibrium on the Consumer goods market and the labour market in the Lodz region”. University of Lodz, the Netherlands Economics Institute (NEI) and UPF.

MEETINGS (AS PAPER CONTRIBUTOR)

1993. II Health Economics and Econometrics Workshop, University of York, York. 1994. Applied Economics Association. Marseille III. Aix-en-Provence.

1994. European Association of Labour Economics. Warsaw. 1995. European Economic Association. Prague.

1996. North American Econometric Society. Iowa. 1996. Econometric Society European Meeting. Istanbul.

1997. NBER Conference on "Social Security Systems around the World", Burdeaux. 1999. NBER Conference on "Social Security Systems around the World", Paris.

1999. FBBV Conference on "Social Security", Madrid.

2000. NBER and CERP Conferences on Social Security, Sienna and Turin. 2002. NBER and IEF conferences.

2003. NBER (Napflío) and Maryland conferences on Social Security. MMC Conference, Madrid.

2004. NBER Well-being conference, Structural Econometrics Conference, ESEM conference, Madrid. EA- LE conference, Lisbon.

2004. Pension Conference in Toulouse.

2005. NBER well-being conference, Bellagio; Econometric Society World congress, London; European Economic Association, Amsterdam; XIV Health Economics and Econometrics Workshop, Dublin; Sympo- sium Moneda y Crédito, Madrid.

2006. NBER AGING GROUP conference, Barcelona, May 18th-20th. PANEL DATA CONFERENCE (Cambridge). ESEM (Viena), Panel Data Conference (Cambridge, UK), ESEM Conference (Viena)

2007 MCVL meeting FEDEA and MTAS (Madrid), SAE 2007 (GRANADA).

2008. Pharmaceutical Policy conference, Toulouse. Asociación Economía de la Salud, Salamanca. IIPF 64th conference (Maastricht, NL), XVIII Health Economics and

Econometrics Workshop, Coimbra (Portugal), Moneda y Crédito Simposium (Madrid, November).

2009. Disability in Spain. NBER AGING GROUP conference, Paris, March 6th. Summer Institute aging workshop. Cambridge, Boston.

2010. Simposio of the Spanish Economic Association. Madrid.

2011. IHEA World Congress, Toronto, July. Cepremap workshop on “labor market dynamics over the life-cycle”, September, Paris. Simposio of the Spanish Economic Association. Malaga.

2013. White Rose consortium Workshop, York. NBER Retirement, financial incentives and Wealth. September, Madrid. Simposio of the Spanish Economic Association. Santander. Jornadas de Economía de la Salud. Pamplona.

2014. Applied Econometric Association. Queens Mary university. June, London. 2015. Meeting aging group NBER, Paris.

2016. Jornadas de Economía de la Salud, Murcia.

2017. Meeting aging group NBER phase 9. Venice. April; LTC. Jornadas AES. Barcelona, September; Meeting aging group phase 9, Munich. November; SAE, Barcelona, December.

2018. ESPE, Antwerp. SAE, Madrid.

2019. Societat Catalana d’Economia; May. Panel Data Conference, Vilnius, July.

RECENT INVITED PRESENTATIONS AND DISCUSSIONS AT CONFERENCES AND WORKSHOPS

1999. Cursos de Verano de la UPV. San Sebastián.

1999. Simposium of Economic Analysis. UAB. Barcelona 2000. Incentivos y pautas de Retiro. IMP, Santander

2004. Pension Reform Conference in Schengen (in memoriam of Franco Modigliani). 2004. Ramon Areces Pension Conference in Sevilla (Centra).

2005. Pension Conference IZA in Lisbon.

2005. Equity workshop, IZA, Bonn. (discussion). 2005. Policy Evaluation workshop, UPO, SEVILLA. 2005. AIM workshop, FEDEA (Madrid)

2006. Pensions: Reforma del sistema Español. (Centro de Estudios Andaluces, SEVILLA)

2007: Centro de Estudios Andaluces (Sevilla), Jornadas de los Economistas (Barcelona, round table), Jornadas de Economía Pública (Zaragoza). CIDOB (Barcelona), December.

2008. Social Pensions (Tokyo, double discussion). Long Term Care, Universidad de Barcelona (UB) Pharmaceutical Policy: IESE, May. Immigration: ECSP, Barcelona, June. FEDEA Immigration conference, Madrid, October. Ramon Areces Conference, November (Madrid, discussion). November (Palma, Club Ultima Hora Immigration workshop).

2009. Invited Special session on Housing at the Royal Economic Society Conference, Surrey, April 2009. Incentivos, transiciones e historias laborales. UIMP, Santander, August.

2010. *La sostenibilidad de sistema de pensiones*, Centro de Estudios Andaluces, Sevilla. *The Spanish Labor Market Reform. VIII Trobada Barcelona Economics Roundtable*, October. »Educación y modelo productivo: ¿Qué cambios se necesitan?», Bajadoz, November. *La sostenibilidad de sistema de pensiones*, Conferencia Mayores y TIC, Granada. *Pensiones*, Sección Española del Club de Roma (Barcelona).

2011. *Invited Conference: La Reforma de les Pensions*, Institut d'Estudis Catalans, Barcelona, March. *Reformas de la Economía Española*, Congreso de Auditores y Censores, Sitges, July. *Propuestas para el crecimiento sostenido de la Economía Española*, EEF and FEDEA, September.

2012. *Round Table: Reforma laboral o canvi de model productiu?* UPF, Barcelona, March. *Plenary talk* at the Congreso Nacional Mercado de Trabajo y Relaciones laborales, April, Palencia. *Two Contributive invited sessions at the Conference of the Asociación Economía de la Salud*, May, Bilbao. *Presentation at the Conference in Honor of Sergio Perelman*, Liege, June. *Presentation at the Workshop of Education*, FEDEA, Madrid. *Presentation at Jornadas de la Dependencia, Caser & Expansión*, Madrid. *IV Jornada de Economía Española y Seguridad Social*, Madrid.

2013. *Jornada Europea, CIDOB, Tarragona*, May. *Roundtable: Pensions at the Barcelona Ateneu*, June. *International NEETs conference*, Ivalua, Barcelona, June, *Invited talk*. *International LTCP conference*, Universitat de Barcelona, July, *Invited talk*. *Workshop on the Economics of Long Term Care*, 16th-17th December 2013 Geneva.

2014. *International LTCP workshop*, Universitat de Barcelona, July, *Invited talk*. *Cursos de verano*, Ministry of Education, UIMP, July, *Invited contribution*.

2015. »*Quién teme al copago?* Facultad de Derecho. UAM. Febrero. Madrid. *Health at Work*, June, Paris. 2016. *Health Econometrics*. Bari July 2016. *Aging (NBER)*, Paris. *3rd EuHEA Student-Supervisor Conference*, Barcelona. *Disability Topics*, UPF, Barcelona.

2017. *Health*. Oxford. July; *LTC*. Albacete. June; 2018. *Health*. Bergamo, July.

2019. *Health and aging*. LSE, October.

PRESENTATIONS AT SEMINARS AND WORKSHOPS

1993. *Universidad de Valencia; UNED (Madrid); Universitat Pompeu Fabra and UAB*. Barcelona. 1994. *University College of London and UPF*.

1995. *UAB; Universidad de Valencia; Universidad Carlos III de Madrid. Fedea*. Madrid. 1996. *Universidad del País Vasco*. Bilbao; *Banco de España*. Madrid.

1998. *Universidad Complutense de Madrid, Universidad de Valladolid* 2000. *Universidad de Vigo, Univ. de Santiago de Compostela y FEDEA*. 2002. *UPV, Bilbao. CENTRA*, Sevilla

2003. *Universitat de Barcelona, CREB, and UPF*. 2005. *UPF*.

2006. *SUNY at Stony Brook, UPF, Oviedo and FEDEA*.

2007. *Universidad de Valencia, Valencia, Universidad de Alicante, Alicante*. 2008. *LaCaixa*, Barcelona, June. *CEMFI*, Madrid, November.

2009. *UPF, Barcelona. UAB, Barcelona. URL*, Tarragona.

2010. *OECD*, Paris. *Carmona (UPO)*, Sevilla. *La sostenibilidad de sistema de pensiones*,

Centro de Estudios Andaluces, Sevilla.

2011. Uncertainty and Pensions, Bank of Spain, October. Seminario de Pensiones, Fundación Ortega y Gasset, October, Madrid.

2012. Transitions to retirement, University of St Gallen. Retirement in the US and Spain, SUNY at Stony Brook.

2013. Formal Care and unmet needs, UCM, Madrid. Uncertainty, Wealth Shock and Retirement in the US, Zurich, October.

2014. Age of entry in the labor market and health outcomes, Murcia, April. University of Barcelona, May. 2015. Entry in the labor market and health outcomes, Nuffield College, March, Oxford. Informal Care Motivations, Paris Dauphine.

2016. LTC expansion and bed blocking, Nuffield College, May, Oxford.

2017. Disability policies, FEDEA, Madrid; Hiring subsidies, UNED, Madrid; Abortion, Brunel, May 2017, London; LTC, Oxford, May 2017.

2018. Sample selection, UPF, Barcelona; Sample Selection, UAB, Bellaterra. 2019. Abortion: U. of Essex; LSE; City University; Sample Selection: UCL. 2020. Early Exit and Mortality. UPF

GRANTS, AWARDS AND RECOGNITIONS

2018: Awarded with the fifth positive evaluation assessment of a research period: 2013-2018. 2015. Spanish Ministry of Education grant for a stay at UCL (London).

2012: Awarded with the fourth positive evaluation assessment of a research period: 2007-2012. 2011: 1st prize FIPROS awards. Secretaria de Estado de Seguridad Social.

2009: 3rd prize Dependencia awards. Obra Social Cajamadrid.

2009: 2nd prize FIPROS awards. Secretaria de Estado de Seguridad Social.

*2008: Awarded with the **Accreditation for Professor** (ANECA, Ministry of Education)*

*2008: Awarded with the **Accreditation of Advanced Research, Professor level** (AQU, Generalitat de Catalunya).*

2006: Awarded with the third positive evaluation assessment of a research period: 2001-2006. 2000: Awarded with two positive evaluation assessments of research periods: 1989-94 and 1995-00. 2000: Spanish Ministry of Education grant for a summer stay (May-August) at NBER.

1999: March and July. IRISS grant for a stay at CEPS (Luxembourg). 1994: January-April. CIRIT grant for a stay at UCL (London).

1992: October-December: CIRIT grant for a stay at GSIA, Carnegie Mellon University, Pittsburgh. 1991: October-December. CIRIT grant for a stay at the CEP (LSE), London.

1989: Award to the best research work of the Master in Economics Analysis. (UAB and IAE).

1988: FPI grant from the Spanish Ministry of Education.

THESIS SUPERVISION AND COMMITTEES

1996: *Member of the thesis committee of Mariluz Marco, Valencia, September.*

1997–2002: **Supervisor of Alfonso Sánchez.** *Universidad Carlos III de Madrid. Thesis: Jubilación Endógena y Reforma del Sistema Público de Pensiones. UC3M, October 2002. Current placement: UPO (Sevilla)*

1999: *Member of the thesis committee of Ferdinando Regalia (UPF) and Florentino Felgueroso (UNIOVI). 2000: Member of the thesis committee of Ana Montes (UC3M), Ignacio Conde (UC3M) and Bernarda Zamora (UC3M).*

2001–2005: **Supervisor of Cristina Vilaplana.** *Universidad Carlos III de Madrid. Thesis: “Tres ensayos de economía de la salud”, Spring 2005. Current placement. Universidad de Murcia*

2003: *Member of the thesis committee of Rocio Sánchez (UC3M). 2004: Member of the thesis committee of Javier Alonso (UCM).*

2005-2008: **Supervisor of Catia Nicodemo (Università di Tor Vergata).** *Thesis: Disadvantage or discrimination: work and family life for married women in Mediterranean countries.” October 2008. Current placement. Oxford (UK).*

2005: *Member of the thesis committee of David Casado (UPF) and Jaime Delgadillo (UNED). 2007: Member of the thesis committee of Maria Navarro (Universidad de Zaragoza).*

2008: *Member of the thesis committee of Christina Felfe (UPF) and Manuel Hidalgo (UPF).*

2009: *Member of the thesis committee of Geir Godagers (University of Oslo) and Anna Nesterenko (State University of New York at Stony Brook).*

2007–2010: **Supervisor of Javier Coronado (UPF).** *Thesis: Market Structure and Regulation in Pharmaceutical Markets. March 2010. Current placement: NERA consulting.*

2007-2010: **Supervisor of Federico Todeschini (UPF).** *Thesis: Essay on the Health and Labor Consequences of Unhealthy Habits. June 2010. Current Placement: Ivalua.*

2007-2010: **Supervisor of Judit Vall-Castelló (Maastricht GSG).** *Thesis: The effects of social policy and business cycle conditions on labour market decisions of workers in Spain. July 2010. Current placement: UB.*

2011: *Chair of the thesis committee of Raquel Vegas (UC3M).*

2013-2017: **Supervisor of Marisa Martín (UCM).** *Thesis: Diseño de Políticas Sanitarias para la Reducción de la Mortalidad Infantil en Países en Desarrollo: el Caso en Angola. June 2017.*

2014: *Thesis committee Jieruo Liu (SUNY at Stony Brook), and Manuel Flores (U. de Santiago)*

2016-2021: **Supervisor of Analia Viola (UNED)**

2018: *Thesis committee Yiayi Wen (Cemfi)*

2021: *Chair Thesis committee Kyung Bum Kim (UNED)*

CURRICULUM VITAE IP 2

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voice: +34 935 421 656, fax: +34 935 421 746

1. EDUCATION AND JOB HISTORY

EDUCATION

- 1997** **PhD. in Economics**, Universidad Carlos III de Madrid, Spain. Dissertation: "Real Business Cycles and Long-run Growth in Models with Human Capital Accumulation". Advisor: Dr. Manuel Santos Santos. Economics Department, Universidad Carlos III de Madrid.
Extraordinary PhD. Award: "Premio Extraordinario de Doctorado" 1997.
- 1997** **Industrial Engineer**; Universidad Nacional de Educación a Distancia, UNED, Madrid, Spain.
- 1986** **Master in Business Administration (MBA)**; Instituto de Estudios Superiores de Administración (IESA), Caracas, Venezuela.
- 1984** **Mechanical Engineer**; Univ. Simón Bolívar, Caracas, Venezuela

PRESENT POSITION

- Since 2003** **Associate professor in Marketing**, Department of Economics and Business, Universitat Pompeu Fabra, C/Ramón Trias Fargas 25-27, 08005 Barcelona

PREVIOUS POSITIONS

- 1997-2003** **Assistant professor in Marketing**, Department of Business and Economics, Universitat Pompeu Fabra, C/Ramón Trias Fargas 25-27, 08005 Barcelona
- 1995-1997** **Visiting Professor in Economics**, Department of Business and Economics, Universitat Pompeu Fabra, C/Ramón Trias Fargas 25-27, 08005 Barcelona
- 1994-1995** **Visiting Professor in Economics**, Instituto Tecnológico Autónomo de México (ITAM).
- 1990-1994** **Teaching assistant in Economics**, Department of Business and Economics, Universidad Carlos III de Madrid, Economics Department.
- 1989-1990** **Marketing Group Manager**, Owens-Illinois, Caracas, Venezuela.
- 1987-1989** **Card-member Marketing Manager**, American Express, Caracas, Venezuela.
- 1986-1987** **Brand Assistant**, Procter & Gamble, Caracas, Venezuela

1985-1988 Assistant Professor in Marketing, Instituto de Estudios Superiores de Administración (IESA), Caracas, Venezuela.

SCIENTIFIC AND TEACHING MERITS:

- *Mèrits de Recerca* (Two Merits in Research) Catalan University Quality Assurance Agency, AQU Catalunya, Generalitat de Catalunya.
- *Accreditació de Recerca* (Accreditation in Research/Full Professor). Catalan University Quality Assurance Agency, AQU Catalunya, Generalitat de Catalunya.
- *Mèrits de Docència* (Six Merits in Teaching) Catalan University Quality Assurance Agency, AQU Catalunya, Generalitat de Catalunya.

2. RESEARCH

RESEARCH INTERESTS:

Consumer Choice Models, Attribute-based Utility Functions, Multi-market and International Diffusion Models, Technological Innovation and Communication Networks.

PUBLICATIONS:

Refereed Publications indexed in Web of Science and Scopus

“Maximum Cut-Clique Problem: ILS Heuristics and Data Analysis Application”, with Pedro Martins and Helena Ramalinho, *International Transactions in Operational Research*, Vol 22(2015/5) pp 775-809. WoS 2015 JCR 1.255 Q2.

“Please, talk about it! When popularity boosts preferences”, with Giampaolo Viglia and Roberto Furlan, *International Journal of Hospitality Management*, Vol. 42 (Sept. 2014) pp. 155-164. WoS 2015 JCR 1.939 Q1.

“Asymmetric Rivalry within and between Strategic Groups”, with Francisco Más Ruiz and Felipe Ruiz Moreno, *Strategic Management Journal*, Vol. 35 (2014/3) pp. 419-439. WoS 2014 JCR 3.341 Q1.

“Development of a Model of Price Competition in the Spanish Loans Market”, with Felipe Ruiz – Moreno and Francisco Mas-Ruiz”, *International Journal of Bank Marketing*, Vol. 28 (2010/6) pp. 479-496. WoS 2017 JCR 2.294 Q2.

“A State-Dependent Model of Hybrid Behavior with Rational Consumers in the Attribute Space”, with Sergi Jiménez-Martín. *Investigaciones Económicas*, Vol. 33 (2009/3), pp. 347-383. WoS 2009 JCR 0.370 Q4.

“Modeling consumption patterns in the attribute space: theory and evidence of hybrid behavior”, with Sergi Jiménez-Martín, *International Journal of Research in Marketing* 24 (2007/3) pp. 242-253. WoS 2007 JCR 1.071 Q2.

“Interacciones tecnológicas y efectos red: claves para predecir el impacto del VOIP sobre la industria de las telecomunicaciones”, with Veneta Andonova, *Universia Business Review*, N° 12, (2006/4), pp. 66-79. WoS 2010 JCR 0.228 Q4.

“A Two-Sector Model of Endogenous Growth with Leisure”, with Salvador Ortigueira and Manuel Santos, *Review of Economic Studies* 66 (1999/3), pp. 609-632. WoS 1999 JCR 1.597 Q1.

“Equilibrium Dynamics in Two-Sector Models of Endogenous Growth”, with Salvador Ortigueira and Manuel Santos. *Journal of Economic Dynamics and Control* 21 (1997), pp. 115-143. WoS 1997 JCR 0.312 Q2.

Other Refereed Journals:

“Multi-Market, Multi-Product New Product Diffusion: Decomposing Local, Foreign, and Indirect (Cross-Product) Effects”, with William P. Putsis, *Customer Needs and Solutions*, Vol 2 (2015/1) pp 57-70.

“Internet Interacted: 1991-2003”, with Veneta Andonova and Eric Bresseau, *Management Research: The Journal of the Iberoamerican Academy of Management*, Vol. 9 (2011/3) pp. 192-206.

“Competencia en el Mercado Español de Créditos Bancarios: Un Modelo de Variaciones Conjeturales”, with Felipe Ruiz Moreno and Francisco Más Ruiz, *Working Paper Series EC, Instituto Valenciano de Investigaciones Económicas*, (2006- Nº 07).

“Business Fluctuations in an Endogenous-Growth Framework”, *Working Paper Series*, Department of Business and Economics, Universitat Pompeu Fabra (1999)

“Dinámica de Equilibrio en Modelos de Crecimiento Endógeno con dos Sectores”, with Salvador Ortigueira and Manuel Santos, *Cuadernos Económicos ICE*, Nº 58 (1994/3) pp. 107-136.
Any: 1994/3

Publications from International Conferences with external evaluation:

“Asymmetric rivalry within and between strategic groups,” with Felipe Ruiz and Francisco Mas, *41th EMAC (European Marketing Academy) Conference Proceedings 2012*

“Do consumers value Honesty? Impact of CSR communication strategies on attitude change after a crisis” with Virginie Solelhac, *AMA (Academy of Management) Annual Meeting Proceedings, 2008*.

“Impact of CSR communication strategies on attitude change after a crisis” with Virginie Solelhac, *37th EMAC European Marketing Academy Conference, Brighton, UK, 2008*.

“Market Potential Evolution for Interacting Telecommunication Technologies in the Presence of Network Effects,” with Veneta Andonova, *Year’s best papers, AMA (Academy of Management) Annual Meeting Proceedings*, (2007/1), pp.1.6.

“Diffusion of Complementary Products with network effects: A Model and Application,” with Anita Elberse, i William Putsis, *36th EMAC (European Marketing Academy) Conference Proceedings, 2007*

“Technology Interactions in the Presence of Network Effects: Fixed Telephony, Mobile Telephony and the Internet,” with Veneta Andonova, *AMA (Academy of Management) Annual Meeting Proceedings 2006*

“Competition in the Spanish Bank Loans Market: A Conjectural Variation Model,” with Felipe Ruiz and Francisco Mas, *35th EMAC (European Marketing Academy) Conference Proceedings 2006*.

“Perceptual mapping of practical ethics along the value chain: A multiple correspondence analysis with industry and cultural indices as supplementary variables,” with Anna Torres and Josep Tribó, *35th EMAC (European Marketing Academy) Conference Proceedings 2006*.

“Modeling Consumption Patterns in the Attribute Space: Theory and Evidence of Hybrid Behavior,” with Sergi Jiménez-Martín, *34th EMAC (European Marketing Academy) Conference Proceedings 2005*.

“Modeling Consumption Patterns in the Attribute Space: Theory and Evidence of Hybrid Behavior,” with Sergi Jiménez-Martín, *Marketing Science Conference Proceedings, 2004*

“Evaluation of Brand Extensions: How Innovativeness degree of the Product Categories fit with congruence between Images,” with Elisabete de Magalhaes and Jose Manuel Carvalho, *32nd EMAC (European Marketing Academy) Conference Proceedings 2003*

“Diffusion of Complementary Products with Network Externalities in an International Context: PC and Internet Diffusion,” with Anita Elberse and William Putsis, *Marketing Science Conference, Annual Proceedings 2002*

“Diffusion of Complementary Products with Network Externalities in an International Context: PC and Internet Diffusion,” with Anita Elberse and William Putsis, *31st EMAC (European Marketing Academy) Conference Proceedings 2002*.

“A Choice Model of Hybrid Behavior in the Attribute Space, *30th EMAC (European Marketing Academy) Conference Proceedings 2001*.

Working Papers and other publications

“Perceptual mapping of practical ethics along the value chain: A multiple correspondence analysis with industry and cultural indices as supplementary variables, with Anna Torres and Josep Tribó, *Working Paper Series 951, Department of Economics and Business, Pompeu Fabra University, 2006*

“La Responsabilidad Social Corporativa desde la Perspectiva del Marketing: ¿Cómo y Cuánto valora el consumidor las actuaciones de RSC?”, *Documento de Trabajo Nº 24, Fundación Salud Innovación y Sociedad, Grupo Novartis, 2005 (nº 24)*

CONFERENCES AND SEMINARS:

41th EMAC European Marketing Academy Conference, Lisbon, Portugal 2012.

“*Asymmetric rivalry within and between strategic groups*”

8th Annual International Symposium on Marketing,

Athens Institute for Education and Research (ATINER), Athens, Greece 2010.

“*Direct, Cross-Product, and Cross-Country Effects in Multi-Market New Product Diffusion*”

XXIXI Congreso Nacional de Marketing AEMARK 09, Bilbao, Spain 2009.

“*The Impact of Direct and Indirect Network Effects in Multi-Market New Product Diffusion*”

Academy of Management (AMA) Annual meeting, Philadelphia, USA 2007.

"Market Potential Evolution for Interacting Telecommunication Technologies in the Presence of Network Effects"

36th EMAC European Marketing Academy Conference, Reykjavík, Iceland 2007.
"Diffusion of Complementary Products with network effects: A Model and Application"

Academy of Management (AMA) Annual meeting, Atlanta, USA, 2006
"Technology Interactions in the Presence of Network Effects: Fixed Telephony, Mobile Telephony and the Internet"

35th EMAC European Marketing Academy Conference, Athenes, Greece 2006
"Competition in the Spanish Bank Loans Market: A Conjectural Variation Model"

35th EMAC European Marketing Academy Conference, Athenes, Greece 2006
"Perceptual mapping of practical ethics along the value chain: A multiple correspondence analysis with industry and cultural indices as supplementary variables"

14th International Symposium on Ethics, Business, and Society, Barcelona, Spain 2006
"Perceptual mapping of practical ethics along the value chain: A multiple correspondence analysis with industry and cultural indices as supplementary variables"

34th EMAC European Marketing Academy Conference, Milano, Italy 2005
"Modeling Consumption Patterns in the Attribute Space: Theory and Evidence of Hybrid Behavior"

Marketing Science Conference, Rotterdam, Netherlands 2004
"Modeling Consumption Patterns in the Attribute Space: Theory and Evidence of Hybrid Behavior"

32nd EMAC European Marketing Academy Conference, Glasgow, Scotland 2003
"Evaluation of Brand Extensions: How Innovativeness defree of the Product Categories fit with congruence between Images"

Marketing Science Conference, Alberta, Canada, May 2002.
"Diffusion of Complementary Products with Network Externalities in an International Context: PC and Internet Diffusion."

31st EMAC (European Marketing Academy Conference) Braga, Portugal, May 2002.
"Diffusion of Complementary Products with Network Externalities in an International Context: PC and Internet Diffusion."

2001 AMA Summer Marketing Educators Conference, Washington, August 2001.
"A Consumer Choice Model of Hybrid Behavior in the Attribute Space."

30th EMAC (European Marketing Academy Conference) Bergen, Norway, May 2001.
"A Consumer Choice Model of Hybrid Behavior in the Attribute Space."

Meeting of the Society for Economic Dynamics, Oxford, July 1997.
"A Two-Sector Model of Endogenous Growth with Leisure."

Seminaire "Production et Utilisation des Connaissances", Bordeaux, Sept. 1995
"A Two-Sector Model of Endogenous Growth with Leisure."

XIX Simposio de Análisis Económico, Dec. 1994, Universidad Autónoma de Barcelona
"Growth Models with Human Capital: a RBC Approach."

International Conference on Asymmetries and Nonlinearities in Dynamic Economic Models,
Madrid, January 1994.

"Equilibrium Dynamics in Two-Sector Models of Endogenous Growth."

XVIII Simposio de Análisis Económico, Dec. 1993, Universidad Autónoma de Barcelona

"Equilibrium Dynamics in Two-Sector Models of Endogenous Growth."

Invited Seminars in Marketing:

"Consumption Patterns in the Attribute Space, a Multinomial Logit Analysis," Business Seminars,
Business Department, Universidad Pública de Navarra, Barcelona, March 2001.

"A Consumer Choice Model of Hybrid Behavior in the Attribute Space," Seminar Series of the
Department of Statistics and Operation Research, Universitat Politècnica de Catalunya, Barcelona,
December 2000.

"A Consumer Choice Model of Hybrid Behavior in the Attribute Space," Business, Finance and
Management Seminar Series, Department of Business and Economics, Universitat Pompeu Fabra,
Barcelona, November 2000.

Research grants:

Project Title: Estrategias de Marketing y Nevos Productos: Impacto en el Valor de le Empresa

Supported by: Ministerio de Ciencia e Innovación. Project Reference: ECO2011 - 27942. Period:
January 2012 – December 2014. Main researcher: Nora Lado Cousté, Univ. Carlos III de Madrid

***Project Title: Medición de la eficiencia de las prácticas de marketing en la creación de valor de
marca y de mercado***

Supported by: Ministerio de Educación y Ciencia. Project Reference: SEJ 2007 – 65897/ECON.
Period: January 2008 – December 2010. Main researcher: Nora Lado Cousté, Univ. Carlos III de
Madrid

***Project Title: Efectos entre los distintos tipos de relaciones entre las empresas y sus mercados:
Practicas de Marketing, orientación al mercado y resultados empresariales.***

Supported by: Ministerio de Educación y Ciencia. Project Reference: SEJ 2004 – 00672/ECON.
Period: January 2005 – December 2007. Main Researcher: Nora Lado Cousté, Univ. Carlos III de
Madrid

***Project Title: Rivalidad en Precios entre grupos estratégicos: El mercado Español de Créditos
Bancarios.***

Supported by: Direcció General d'Universitats i Investigació, Conselleria de Cultura, Educació i
Sport. Generalitat Valenciana. Project Reference: GV04B-577. Period: January 2004 - December
2005. Investigador/a principal: Francisco Mas Ruiz, Universidad de Alicante

Beca Batista i Roca (BBR)

Comissionat per a Universitats I Recerca, Generalitat de Catalunya. January-July 2000.

Center for Marketing Research, London Business School

THESIS ADVISOR

Ph.D.'s Dissertations

- November 2008 Mitja Pirc
Customer Exit, Switching and Customer Value Department Economics and Business, Universitat Pompeu Fabra, Spain (co-adviser with Prof. Robin Hogarth)
- June 2007 Felipe Ruiz Moreno
Rivalidad a Través de un Enfoque de Variaciones Conjeturales: Evidencias en la Banca Española, Facultad de Económicas y Empresariales, Universidad de Alicante, Spain (co-adviser with Prof. Francisco Mas Ruiz)

VISITING FELLOWSHIPS:

Binus Business School International (Binus University), Jakarta, Indonesia. May 2019

Center for Marketing Research, London Business School, January-September 2000.

London Business School, Marketing Department, April-August 2001.

3. TEACHING EXPERIENCE

Graduate courses in Marketing:

- **Identification of market opportunities**, MSc. in Marketing, Barcelona School of Management, Universitat Pompeu Fabra, Barcelona, Spain. (40-hour Course) since Jan-March 2014.
- **Marketing**, Master in Business Administration (MBA), Universitat Pompeu Fabra, Barcelona, Spain. (40-hour Course) Jan-March 2003 – Jan-March 2012..
- **Product Management**, Master in Business Administration (MBA), Universitat Pompeu Fabra, Barcelona, Spain. (20-hour course) Oct- Dec 2004 – Oct-Dec 2007.
- **Marketing Management**, Graduate Program in Economics and Management, Universitat Pompeu Fabra, Barcelona, Spain. (40-hour course) Jan-March 2002 – Sept.-Dec. 2011.
- **Marketing Management**, Master in Management, Barcelona School of Management, Barcelona, Spain. (30-hour course) Sept.-Dec. 2011.
- **Marketing**, 2nd. Year course, Graduate Program in Economics and Management, Universitat Pompeu Fabra, Barcelona, Spain. (40-hour course) Sept-Dic.1999 and Sept-Dec. 2000.
- **Economics for Marketing**, Graduate program in Management, Universidad de Alicante, Spain. (20 hour) May 2002.
- **Economics for Marketing**, Graduate Program in Economics, Universidad de Vigo, Spain. (10 hours) April 2001.

Undergraduate courses in Marketing: Marketing Research, Marketing Principles, Marketing Management II, Product Management.

Undergraduate courses in Economics: Introduction to Economics, Microeconomics, Macroeconomics, Game and Decision Theory, Quantitative Techniques (Statistics).

4. ACADEMIC SERVICE AT THE UPF:

Director of the MSc. In Marketing. Barcelona School of Management, Pompeu Fabra University
Since 2017

Director of the “Master Universitario en Marketing”. Barcelona School of Management, Since 2014

Marketing Area Head. Department of Economics and Business, Pompeu Fabra University. September
1012 – July 2019

Dean Assistant for Academic Affairs. Faculty of Business and Economics, Pompeu Fabra University,
September 2007 – June 2011

Secretary of the Faculty of Business and Economics. Pompeu Fabra University, Academic year 2006-
2007.

Secretary of the Recruiting Committee, Department of Economics and Business. Pompeu Fabra
University, Years 2001-2009

Director of the Master in Business. Department of Economics and Business, Pompeu Fabra University
Years 2001-2004

CURRICULUM VITAE

Laura Batlle Bayer

Researcher at the UNESCO Chair in Life Cycle and Climate Change at ESCI-UPF
laura.batlle@esci.upf.edu

MSc in Plant Science, specialization in Natural Resources Management, Wageningen University (2008)
PhD Program in Chemical and Engineering, Energy and Processes at the University of Cantabria (expected October 2021)

Expertise: analysis of the sustainability of food systems, sustainable diets, life cycle assessment and circularity

Selection of indexed articles related with Planetary Wellbeing:

1. Fernández-Ríos, ... , **Batlle-Bayer, L.**, et al. (2021). Towards a Water-Energy-Food (WEF) nexus index: A review of nutrient profile models as a fundamental pillar of food and nutrition security. Science of the Total Environment, in press.
2. **Batlle-Bayer, L.**, et al. (2021). An explorative assessment of environmental and nutritional benefits of introducing low-carbon meals to Barcelona schools. Sci. Total Environ. 756, 143879.
3. Abejón, R., **Batlle-Bayer, L.** et al. (2020). Multi-Objective Optimization of Nutritional, Environmental and Economic Aspects of Diets Applied to the Spanish Context. Foods 9, 1677.
4. **Batlle-Bayer, L.**, Bala, A., Roca, M., Lemaire, E., Aldaco, R., Fullana-i-Palmer, P., (2020). Nutritional and environmental co-benefits of shifting to “Planetary Health” Spanish tapas. J. Clean. Prod., 271.
5. **Batlle-Bayer, L.**, Bala, A., Albertí, J., Xifré, R., Aldaco, R., (2020). Food affordability and nutritional values within the functional unit of a food LCA. An application on regional diets in Spain. Resour. Conserv. Recycl. 160.
6. **Batlle-Bayer, L., et al.** (2020). Environmental and nutritional impacts of dietary changes in Spain during the COVID-19 lockdown. Sci. Total Environ. 748, 1–6.
7. Aldaco, R., ..., **Batlle-Bayer, L.**, et al. (2020). Food waste management during the COVID-19 outbreak : a holistic climate , economic and nutritional approach. Sci. Total Environ. 742
8. **Batlle-Bayer, L.**, Aldaco, R., Bala, A., Fullana-i-Palmer, P., (2020). Toward sustainable dietary patterns under a water-energy-food nexus life cycle thinking approach. Curr. Opin. Environ. Sci. Heal. 13, 61–67.
9. García-Herrero I., Margallo M., Laso J., **Batlle-Bayer L.**, ..Aldaco R (2019). Nutritional data management of food losses and waste under a life cycle approach: Case study of the Spanish agri-food system. Journal of food composition and analysis, 82, September.
10. **Batlle-Bayer L.**, Bala A., Lemaire E., Albertí, J., García-Herrero I., Aldaco R. and Fullana-i-Palmer, P (2019). An energy- and nutrient-corrected functional unit to compare LCAs of diets. Sci. Total Environ. 23, 175–179.
11. **Batlle-Bayer, L.**, et al. (2019) The Spanish Dietary Guidelines : A potential tool to reduce greenhouse gas emissions of current dietary patterns. J. Clean. Prod. 213, 588–598.
12. Laso J.,..., **Batlle-Bayer L.**, ... and Aldaco R. (2018) Assessing Energy and Environmental Efficiency of the Spanish Agri-Food System Using the LCA/DEA Methodology. Energies, 11 (12),3395.

Recent related projects:

- KAIROS BIOCIR - PID2019-104925RB (AEO/FEDER, UE) - Enhancing the nexus water energy food to improve the agri-food sector in Spain: Opportunities based on circular bioeconomy and sustainable consumption. (2021–23)
- ARECO Post-graduate fellowship (2021-23)

CURRICULUM VITAE

Mercè Roca i Puigvert

Associate Professor at ESCI-UPF – Professora Agregada AQU / Titular ANECA
merce.roca@esci.upf.edu

PhD Leeds University Business School, The University of Leeds (2016)

Expertise: application of qualitative and quantitative market research techniques in the domain of consumer/citizen behaviour and decision making; sustainability, recycling and behaviour.

Selection of indexed articles related with Planetary Wellbeing

1. **Roca, M.**, Ayuso, S., Bala, A., Fullana-i-Palmer (2020). What factors determine attitudes towards the implementation of a packaging deposit and refund system? A qualitative study of the perception of Spanish consumers. *Journal of Environmental Management*, 270, 15.
2. Batlle-Bayer, L., Bala, A., **Roca, M.**, Lemaire, E., Aldaco, R., Fullana-i-Palmer, P. (2020) Nutritional and environmental co-benefits of shifting to “Planetary Health” Spanish tapas. *Journal of Cleaner Production*, 271, 20.
3. Blanca-Alcubilla, G., **Roca, M.**, Bala, A., Sanz, N., De Castro, N., Fullana-i-Palmer, P. (2019). *Airplane cabin waste characterization: Knowing the waste for sustainable management and future recommendations*. *Waste management*, 91, 1.
4. Albertí, J., **Roca, M.**, Brodhag, C., Fullana-i-Palmer, P. (2019). *Allocation and system boundary in life cycle assessments of cities*. *Habitat International*, 83.
5. Ayuso, S., **Roca, M.**, Arebalo, J.A., Arabind, D. (2016). *What determines principle-based standards implementation? Reporting on Global Compact adoption in Spanish firms*. *Journal of Business Ethics*, 133 (3).
6. Ayuso, S., **Roca, M.**, Colomé, R. (2013). *SMEs as “transmitters” of CSR requirements in the supply chain*. *Supply Chain Management: an International Journal*, 18, 5.

Recent related competitive projects

1. KAIROS BIOCIR - PID2019-104925RB (AEO/FEDER, UE) - Enhancing the nexus water energy food to improve the agri-food sector in Spain: Opportunities based on circular bioeconomy and sustainable consumption.
2. CERES – CTM2016-76176-C2-2-R - Food Consumption Strategies for the mitigation of Climate Change towards an environmentally sustainable diet. I+D+I - Ministerio de Ciencia Innovación y Universidades.
3. Creative Europe Programme Call EACEA-34-2018. Analysis of Opera sets eco-design and circular practices among European opera houses and festivals.
4. Zero Cabin Waste. LIFE15/ENV/ES/000209- Co-financed by the European Commission. Senior researcher.
5. BUSINESSCOOP subproject of GREEN COOP - Métodos Híbridos para la Cooperación Horizontal en Transporte y Logística Sostenibles). Ministerio de Economía y Competitividad.
6. Ministerio de Ciencia e Innovación (ECO2009-11307). Métodos cuantitativos de decisión en entornos logísticos y productivos (2009-2013).
7. European Commission (FENIX LIFE 08 ENV/E/000135). Finding environmental life cycle assessment information on packaging waste management through flexible software tools and databases.

Member of UPF Research groups: RISE ESCI-UPF; Mango CSR Chair. ESCI-UPF; UNESCO Chair in Life Cycle and Climate Change ESCI-UPF; UPF BARG; UPF BESLab; Observatori de Sostenibilitat BSM-UPF

CURRICULUM VITAE

Pere Fullana-i-Palmer

pere.fullana@esci.upf.edu

Director of the UNESCO Chair in Life Cycle and Climate Change at ESCI-UPF
PhD in Industrial Engineering, Ramon Llull University (1994)
Accredited Full-professor (Catedràtic – Recerca Avançada) by AQU Catalunya

Education: Doctorate in Industrial Engineering (URL), 6-year Chemical Engineer (IQS, URL) and Industrial Engineer (UAB) degrees, Postgraduate studies in Chemical Informatics (IQS, URL) and Business Administration (IQS, URL).

Positions: Dr. Fullana is currently the Director of the UNESCO Chair in Life Cycle and Climate Change and Full Professor (Sustainability) at ESCI-UPF (Universitat Pompeu Fabra, Barcelona). He is well-known as international expert in LCA Critical Review, Spanish delegate for the ISO 14000 series of standards, editor for the International Journal of LCA (IJLCA), member of the International Expert Group for Life Cycle Assessment for Integrated Waste Management and former Board Member of the UNEP/SETAC Life Cycle Initiative. He is former Chair of the SETAC Europe LCA Steering Committee and first LCA practitioner to be a SETAC Europe Council member.

Experience: Dr. Fullana has participated in more than 25 European research projects and 250 national research studies in environmental management, LCA, carbon footprint, ecodesign, environmental labeling and clean technologies. Current projects include: “Zero Cabin Waste in airlines” funded by the LIFE Program; “Food production and consumption strategies against climate change (CERES) funded by the Spanish Government; or “Opera Sceneries Circularity and Resource efficiency (OSCAR), funded by the Creative Europe Program. He was chosen to represent the academic world at Chile/Madrid COP25 closing plenary.

Publications:

He has published books in Catalan, Spanish and English, such as the one published by UNEP: “Communication of Life Cycle Information in the Building and Energy sectors”. He is a known LCA author in scientific journals. Dr. Fullana has participated as co-author for the WRI/WBCSD Green House Gases Protocol for Products.

With an h-index of 21, he has published 55 scientific papers in indexed journals in the last 5 years, 35 of which in the first quartile. He has been or is supervising 19 PhD thesis.

Awards (solo or co-awarded). P. Salvador Gil Award to the Best Final Project in Chemical Engineering 1988. Caja Madrid Award 1994 for his PhD thesis. Most Relevant Contribution Award by the International Society for Industrial Ecology at the 2009 Life Cycle Management Congress in Cape Town. Catalan Government Environmental Award in 2008. Finalist to the Europa Innova Award by the European Commission. Nominated to the Sustainable Energy Europe & managEnergy Awards 2013 by the European Commission. Mention in the Energy Excellence Awards 2014 by the Catalan Government. Best Poster Award (Nutritional and Environmental Food Data Management under a Life Cycle Approach: Toward a more Sustainable Food Production and Consumption) at 12th International Food Data Conference. Best presentation award (“Diet matters: the case of Spain”) and Best poster award (“A fair comparison of GHG emissions and nutritional quality of 4 ready-to-eat meals”) by Springer at LCAFood 2018. Alfonso Mañillo Award to the best innovative study on waste management (“LIFE Zero Cabin Waste project: Aviation catering waste management. Environmental impacts through LCA perspective) at RECUWaste 2018. Finalist to the Smart Logistics & Packaging Awards at PickPack 2020, in the “Excellence in sustainability and industrial ecodevelopment” category, for the project “Packaging recyclability label”. ODS12 (Responsible production and consumption) award winner at the go!ODS Awards for the Project LIFE Zero Cabin Waste by UN Global Compact (Spanish Chapter).

CURRICULUM VITAE

Christian Reynolds

Senior Lecturer at the City, University of London, Centre for Food Policy
Christian.Reynolds@city.ac.uk

PhD in Applied Mathematics (2010-2014) Centre for Industrial and Applied Mathematics, School of Information Technology and Mathematical Sciences, University of South Australia. Conferred March 12th 2014, Graduated March 17th 2014. Dissertation title: "Quantification of Australian food wastage with Input-Output analysis"

Main areas of research: Supporting interdisciplinary food research/policy with citizen science and living labs, digital humanities (using NLP), and mixed method analysis. Quantifying the impacts of shifting to a healthy, sustainable diet. Modelling the economic, environmental, health, and social impacts of 1) technological innovations, and 2) behaviour change (related to shopping, cooking, and food waste). Food systems education.

List of Selected Publications:

1. Kluczkowski, A., ... **Reynolds, C.**, et al. "Learning in lockdown: Using the COVID-19 crisis to teach children about food and climate change." Nutrition Bulletin. 2021
2. Larner, E... **Reynolds, C.**. "Reaction to a low-carbon footprint food logo and other sustainable diet promotions in a UK University's Student Union 'Living Lab'". Future of Food: Journal on Food, Agriculture and Society, 9(1). 2021
3. Kluczkowski, A... **Reynolds, C** et al. 2020. "How to engage schools with food sustainability? An analysis of environmental impacts of school menus and development of educational materials in Bahia, Brazil." Paper presented at the The 8th World Sustainability Forum, 15-17 Sep 2020, Online
4. Armstrong, Beth, ... **Reynolds, C.** et al. "Piloting citizen science methods to measure perceptions of carbon footprint and energy content of food." Frontiers in Sustainable Food Systems 4 (2020): 120.
5. de Grave, RB., ... **Reynolds, C.** et al. "A catalogue of UK household datasets to monitor transitions to sustainable diets." Global Food Security 24 (2020): 100344.
6. Lead editor of the Routledge Handbook of Food Waste. January 2020
7. **Reynolds C**, et al. (2019) Review: Consumption-stage food waste reduction interventions – what works and how to design better interventions. Food Policy.
8. **Reynolds C**, et.al. I (2018) Healthy and sustainable diets that meet GHGE reduction targets and are affordable for different income groups in the UK . Public Health Nutr.
9. **Reynolds, C.** (2017) Energy embodied in household cookery: the missing part of a sustainable food system? A method to survey and calculate representative recipes, Energy Procedia.
10. **Reynolds C**, et al (2015) "Greenhouse gas emissions associated with sustainable diets in relation to climate change and health". Proc Nutr Soc.
11. **Reynolds, C**; et al (2015) "Evaluation of the environmental impact of weekly food consumption in different socio-economic households in Australia using environmentally extended input–output analysis." Ecological Economics.
12. **Reynolds, C**, et al (2014) "Are dietary guidelines appropriate for environmental sustainability? A review of the literature" Nutrients.

Recent related competitive projects:

- Healthy soil, Healthy food, Healthy people (H3) (2021-2025) £7,496,467 BBSRC Co-I
- Reducing plastic packaging and food waste through product innovation simulation. (2021-2023) £803,510 NERC. PI
- STFC Food Network+ Extension (2019-2023) £1,200,000, STFC Co-I
- Trends in greenhouse gas emissions from Brazilian foods using GGDOT (2019-2021), £317,229 STFC GCRF Co-I
- AHRC US-UK Food Digital Scholarship network (2019), £59,594 AHRC PI
- Communicating the environmental impact of plant based recipes (2021, PI) €49,858
- Do play with your food: Piloting game-based tools to enhance learning about water footprints and greenhouse gas emissions from food in India (2019-2020, Co-I) Amount awarded: £ 40,000