

Maria Llop Llop

Curriculum Vitae

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Department of Economics
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CURRENT POSITION:

Associate professor, Departament d'Economia, Universitat Rovira i Virgili, Spain.

PERSONAL DATA:

Born 4th March 1970, Spanish (Catalan).

EDUCATION:

Degree in Economics, Faculty of Economics, University of Barcelona. Barcelona, 1993. EUS Educational Program ("Empresa-Universitat-Societat") with work experience in the regional government.

PhD in Economics. Rovira i Virgili University. Dissertation title: *A General Equilibrium Analysis of the Catalan Economy*. Supervisor: Antonio Manresa (Universitat de Barcelona). Qualification: Cum Laude, Extraordinary Ph. D. dissertation award, Rovira i Virgili University. Reus, 2001.

TEACHING POSITIONS:

Associate Professor of Economic Theory, Rovira i Virgili University, 2008-present.

Assistant Professor, Rovira i Virgili University, 1995-2008.

Part time Assistant Professor, Rovira i Virgili University, 1993-1995.

FELLOWSHIPS AND AWARDS:

Scholar of the EUS Program (“Empresa-Universidad-Societat”), Faculty of Economics, University of Barcelona, Barcelona, 1992-1993.

Extraordinary Ph. D dissertation award of the Rovira i Virgili University. Reus, 2001.

Two positive evaluations of a research period (CNEAI 1999-2004 and CNEAI 2005-2010).

Certificate of Full Professor in Economics (ANECA, 2012).

POST-DOCTORAL PERIODS ABROAD:

2011: April-July. Economic and Social Research Institute (ESRI), Dublin, Ireland.

2012: June-July. Economic and Social Research Institute (ESRI), Dublin, Ireland.

2013: June-July. Dublin Institute of Technology (DIT), Dublin, Ireland.

PUBLICATIONS:

1. Articles in International Journals:

“Water and agriculture in a Mediterranean region: The search for a sustainable water policy strategy”, *Water*, 2016, 8 (66) (with X. Ponce-Alifonso).

“Identifying strategies for mitigating the global warming impact of the EU-25 economy using a multi-objective input-output approach”, *Energy Policy*, 2015, 27, 21-30 (with D. Cortés-Borda, A. Ruiz-Hernández, G. Guillén-Gosálbez, R. Guimerà and M. Sales-Pardo).

“Identifying the role of final consumption in structural path analysis: An application to water uses”, *Ecological Economics*, 2015, 109, 203-210 (with X. Ponce-Alifonso).

“CO2 emissions embodied in international trade: A multiregional input-output model for Spain”, *Greenhouse Gas Measurement and Management*, 2014, 4, 201-214 (with E. D. Guemechu, I. Butnar, F. Castells and G. Sonnemann).

“Sectoral productivity gains in two regional economies: Key sectors from a supply-side perspective”, *The Annals of Regional Science*, 2014, 53 (3), 731-744 (with F. J. de Miguel and A. Manresa).

“Comparing the aggregation bias in the input-output model and the social accounting matrix model”, *Applied Economic Letters*, 2014, 21 (11), 795-800 (with A. Manresa).

“Disentangling water usage in the European Union: A decomposition analysis”, *Water Resources Management*, 2014, 28 (5), 1463-1479 (with V. di Cosmo and M. Hyland).

“Economic and environmental effects of the CO₂ taxation: an input-output analysis for Spain“, *Journal of Environmental Planning and Management*, 2014, 57, 751-768 (with E. Demisse, I. Butnar and F. Castells).

“Decomposition of sectorial greenhouse emissions: A subsystem input-output model for the Republic of Ireland”, *Journal of Environmental Planning and Management*, 2013, 56, 1316-1331 (with R. Tol).

“Water reallocation in the input-output model”, *Ecological Economics*, 2013, 86, 21-27.

“Environmental tax on products and services based on their carbon footprint: A case of study of the pulp and paper sector”, *Energy Policy*, 2012, 50 (C), 336-344 (with E. Demisse, I. Butnar and F. Castells).

“Identifying the economic impact behind a cultural asset: An input-output subsystems analysis”, *The Annals of Regional Science*, 2012, 49 (3), 861-877 (with J. M. Arauzo-Carod).

“A never ending debate: Demand versus supply water policies. A CGE analysis for Catalonia”, *Water Policy*, 2012, 14, 694-708 (with X. Ponce-Alifonso).

“Economic impact of a new museum on the local economy: “the Gaudí Centre””, *Letters in Spatial and Resource Sciences*, 2012, 5, 17-23 (with J. M. Arauzo).

“The role of saving and investment in a SAM price model”, *The Annals of Regional Science*, 2012, 48 (1), 339-357.

“Structural decomposition analysis and input-output subsystems: Changes in CO₂ emissions of Spanish service sectors (2000-2005)”, *Ecological Economics*, 2011, 70, 2012-2019 (with I. Butnar).

“Capturing the multisectorial effects of environmental policies: a linear price model for Catalonia”, *Environmental Economics*, 2011, 2, 17-26 (with L. Pié).

“Decomposition of emission multipliers in a NAMEA: The case of Catalonia”, *Journal of Industrial Ecology*, 2011, 15 (2) (with L. Pié).

“Economic impact of a healthcare institution: An input-output model”, *The Empirical Economics Letters*, 2010, 9 (9), 883-888 (with M. Carles, B. López, M. J. Pérez and J. Sardà).

“Economic impact of alternative water policy scenarios in the Spanish production system: An input-output analysis”, *Ecological Economics*, 2008, 68, 288-294.

“Input-output analysis of alternative policies implemented on the energy activities: An application for Catalonia”, *Energy Policy*, 2008, 36 (5), 1642-1648 (with L. Pié).

“Comparing multipliers in the social accounting matrix framework”, *Environment and Planning A*, 2007, 39 (8), 2020-2029.

“Analysis of linear multipliers in an open regional economy”, *Regional Studies*, 2007, 41 (4), 421-428 (with A. Manresa).

“Composition of greenhouse gas emissions in Spain: An input-output analysis”, *Ecological Economics*, 2007, 61 (2-3), 388-395 (with I. Butnar).

“Economic structure and pollution intensity within the environmental input-output framework”, *Energy Policy*, 2007, 35 (6), 3410-3417.

“Income distribution in a regional economy: a SAM model”, *Journal of Policy Modeling*, 2004, 26 (6), 689-702 (with A. Manresa).

“The general equilibrium effects of social security contributions under alternative incidence assumptions”, *Applied Economics Letters*, 2004, 11 (13), 847-850 (with A. Manresa).

“Capturing the economic impact of a public institution: the Rovira i Virgili University”, *Journal of Applied Input Output Analysis*, 2004, 10, 65-79.

2. Articles in Spanish Journals:

“Campeonato mundial de patinaje artístico Reus 2014: opinión de los participantes y legado económico”, *Revista Euroamericana de Ciencias del Deporte*, 2016, 5 (1), 107-118 (with C. Murillo, M. Carles, X. Moya and D. Planas) (in Spanish).

“Descomposición de los cambios de multiplicadores en una matriz de contabilidad social: un ejemplo para la economía catalana”, *Estudios de Economía Aplicada*, 2007, 25 (3) (in Spanish).

“Anàlisi comparativa temporal dels multiplicadors input-output de l’economia catalana: 1987 versus 2001”, *Nota d’Economia*, 2007, 87, 133-144 (in Catalan).

“Modelos multisectoriales de equilibrio general aplicado en España: una revisión”, *Estudios de Economía Aplicada*, 2005, 23 (2), 1-21 (with A. Cardenete) (in Spanish).

“Influencia de los precios de los factores y de las importaciones en la economía catalana (1994)”, *Investigaciones Regionales*, 2004, 4 (1), 115-129 (with A. Manresa) (in Spanish).

“Comparación de Cataluña y Extremadura a través de una matriz de contabilidad social”, *Investigaciones Económicas*, 2002, 26 (3), 573-587, (with A. Manresa and F. J. de Miguel) (in Spanish).

“La influència del preu dels factors i de les importacions sobre els preus de l’economia catalana”, *Nota d’Economia*, 2001, 69-70, 191-193 (with A. Manresa) (in Catalan).

“Multiplicadors lineals en una matriu de comptabilitat social. Una aplicació a l’economia de Catalunya”, *Revista Econòmica de Catalunya*, 2000, 39, 169-170 (with A. Manresa) (in Catalan).

“Análisis de la economía de Cataluña (1994) a través de una matriz de contabilidad social”, *Estadística Española*, 1999, 144, 241-268 (with A. Manresa) (in Spanish).

“Crecimiento y estructura industrial en las regiones españolas, 1978-1994”, *Información Comercial Española*, 1997, 762, 125-139 (with A. Segarra) (in Spanish).

3. Books:

El grup SAGESSA: activitat i impacte economic. Grup SAGESSA, 2010 (with M. Carles, B. López, M. J. Pérez and J. Sardà) (in Catalan).

Propuesta metodológica para evaluar el impacto económico del desmantelamiento de la Central Nuclear de Zorita (Guadalajara). Informe final, Documentos Internos de Enresa, 01/2007 (with J. Sardà) (in Spanish).

Impacto económico del desmantelamiento de la central nuclear Vandellòs I, Publicaciones Técnicas 08/2005, Enresa, 2005 (in Spanish).

4. Edited Books:

Air Pollution: Economic Modeling and Control Policies, Bentham e-Books, 2011. ISBN: 978-1-60805-217-2.

5. Selected Book Chapters:

“Environmentally extended input-output analysis for sustainable regional development”, in Massari, Sonnemann and Balkau (editors): *Life cycle approaches to regional development*, Routledge, 2017, 53-59 (with E. Guemechu, I. Butnar, F. Castells and G. Sonnemann).

“Anàlisi sectorial: L’energia” in Generalitat de Catalunya: *Informe anual sobre la indústria a Catalunya 2010*, Departament d’Innovació, Universitats i Empresa, 2011 (in Catalan).

“L’impacte sobre la producció i l’ocupació”, in Segarra, A. (director): *El poder de les idees. Impactes de la URV sobre la societat*, Publicacions URV, 2011 (in Catalan).

“General equilibrium effects of policy measures applied to energy: The case of Catalonia”, in Guoxiang Liu (editor): *Greenhouse Gases/Book 2*, Intech, ISBN: 979-953-307-143-4, 2011.

“Anàlisi sectorial: L’energia” in Generalitat de Catalunya: *Informe anual sobre la indústria a Catalunya 2009*, Departament d’Innovació, Universitats i Empresa, 2010 (in Catalan).

“Atmospheric emissions and structural path analysis in the Spanish economy”, in Llop, M. (editor): *Air Pollution: Economic Modeling and Control Policies*, Bentham e-Books, 2011, 31-45 (with I. Butnar, B. Gallego and F. Castells).

“Measuring the air pollution of tourism: An input-output model for the Campania region”, in Llop, M. (editor): *Air Pollution: Economic Modeling and Control Policies*, Bentham e-Books, 2011, 132-148 (with S. Sabena).

“Modelling a reduction in greenhouse gas emissions in the Catalan economy: The NAMEA approach”, in Vasser, C. P. (editor): *The Kyoto protocol: Economic assessments, implementation mechanisms and policy implications*, Nova Science Publishers, 2009 (with L. Pié).

“El impacto económico de la Universitat Rovira i Virgili” in *Informe Fundación Conocimiento y Desarrollo 2004: la contribución de las universidades españolas al desarrollo*, Fundación CYD, 2004 (in Spanish).

“L’impacte econòmic”, in A. Segarra (editor): *L’impacte de la Universitat Rovira i Virgili sobre el territori*, Cossetània, 2002 (in Catalan).

“La Terra Alta”, in *Anuari Econòmic Comarcal 2000*, Caixa de Catalunya, 2000 (with M. A. Bové) (in Catalan).

“La productivitat en l’empresa industrial”, in Segarra, A. and Oliva, M. (editors): *Indústria i estratègies empresarials en el Camp de Tarragona*,

Universitat Rovira i Virgili and Autoritat Portuària de Tarragona, 1996 (with J. Allepús) (in Catalan).

6. Work in Progress, Unpublished Research and Working Papers:

“Measuring the influence of energy prices in the price formation mechanism”, mimeo, 2017.

“Environmental taxation and international trade in a tax-distorted economy”, *Working Paper 19-2016*, Department of Economics and CREIP, Rovira i Virgili University, 2016.

“A second-best analysis of alternative instruments for the preservation of natural resources”, *Working Paper 5-2016*, Department of Economics and CREIP, Rovira i Virgili University, 2016.

“Changes in energy output in a regional economy: A Structural Decomposition Analysis”, *Working Paper 6-2016*, Department of Economics and CREIP, Rovira i Virgili University, 2016.

“Supply multipliers in two regional economies”, *Working Paper 18-2013*, Department of Economics and CREIP, Rovira i Virgili University, 2013 (with F. J. de Miguel and A. Manresa).

RESEARCH PROJECTS:

1. Public Projects:

“Economía, medio ambiente y políticas correctoras: Un enfoque multidisciplinar de equilibrio general”, Spanish Ministry of Economy and Competitiveness (ECO2016-75204-P), 2017-2019 (main researcher).

“Las políticas ambientales europeas en España: Una evaluación a través de un análisis económico-tecnológico multidisciplinar”, Spanish Ministry of Economy and Competitiveness (ECO2013-41917-P), 2014-2016 (main researcher).

“Análisis de equilibrio general de impuestos ambientales definidos en función de la huella de carbono de productos y servicios”, Spanish Ministry of Science and Education (ECO2010-17728), 2011-2013 (main researcher).

“Quantitative, Urban and Regional Economics (QURE)”, Catalan Government (2014SGR-299), 2014-2017.

“Quantitative, Urban and Regional Economics (QURE)”, Catalan Government (2009SGR-322), 2010-2014.

“Mercado laboral, vivienda e inmigración: un análisis empírico para el mercado español”, Spanish Ministry of Science and Education (SEJ2007-66318), 2008-2010.

“Mercados: organización, información, contratos y estado”, Spanish Ministry of Science and Education (SEC2004-07477), 2004-2007.

“Group of Computational Economy”, Catalan Government (XT2004-0095), 2004-2006.

“Modelos de microsimulación de impuestos y transferencias: un enfoque dinámico”, Spanish Ministry of Science and Education (SEC2003-06630), 2003-2006.

“Un estudi de viabilitat per elaborar la Matriu de Comptabilitat Social en el marc de les Taules Input-Output de Catalunya 2001”, Statistical Institute of Catalonia (IDESCAT), 2002.

“Fiscalidad y modelos multisectoriales”, Centra (Centro de Estudios Andaluces), 2002-2004.

“Group of Computational Economy”, Catalan Government (XT2002-0037), 2002-2004.

“Evaluación de políticas sociales y gasto público. Un análisis microeconómico de simulación”, Spanish Ministry of Science and Education (SEC2000-0834), 2000-2003.

“Group of Computational Economy”, Catalan Government (XT2000-0033), 2000-2002.

“Group of Computational Economy”, Catalan Government (XT1998-0011), 1998-2000.

2. Other Projects:

”Impacte econòmic del Pla Director i Urbanístic del Complex Recreatiu i Turístic (CRT)”, Generalitat de Catalunya, 2016.

“Impacte econòmic del Campionat de Patinatge Artístic Reus 2014”, Ajuntament de Reus, 2015.

“Impacte econòmic de la Universitat Rovira i Virgili”, Universitat Rovira i Virgili, 2010-2011.

“Impacto económico de las centrales nucleares de Vandellòs II, Ascó I y Ascó II”, ANAV (Asociación Nuclear Ascó y Vandellós), 2009-2010 (main researcher).

“Impacte econòmic de SAGESSA sobre el territori”, SAGESSA, 2009.

“El Port de Tarragona: àrea d’influència i impacte econòmic”, Autoritat Portuària de Tarragona, 2007-2008.

“Estudio Tarifario”, Remolcadores de Barcelona S.A. and Sociedad Anónima de Remolcadores, 2007 (main researcher).

“Propuesta metodológica para evaluar el impacto económico del desmantelamiento de la Central Nuclear de Zorita” ENRESA (Empresa Nacional de Residuos Radioactivos, S.A), 2006 (main researcher).

“Impacto económico de la construcción del Almacén Temporal de Centralizado (ATC)”, ENRESA (Empresa Nacional de Residuos Radioactivos, S.A), 2006 (main researcher).

“Elaboración de los contenidos y documentos necesarios para la edición de un libro sobre valoración económica y ambiental, basada en la evaluación del ciclo de vida, actuaciones y hábitos domésticos que influyen en el consumo de energía”, Fundació Gas Natural, 2006.

“Impacto económico del desmantelamiento de la Central Nuclear Vandellòs I”, ENRESA (Empresa Nacional de Residuos Radioactivos, S.A), 2005 (main researcher).

“Impacte econòmic de la incineradora de residus especials de Constantí”, Incineradora de Residus de Constantí, 2005.

“Impacte econòmic de la construcció de la Capsa Gaudí a l’economia de Reus”, Ajuntament de Reus, 2004.

“Avaluació de l’impacte econòmic de la construcció i explotació de parcs eòlics per als Estudis d’Impacte Ambiental”, Tarraco Eòlica SA, 2004-2005.

“Contrato para la realización de un estudio de impacto socioeconómico entre la FURV y Gas Natural S. A.”, Gas Natural S. A., 2001.

CONFERENCE CONTRIBUTIONS:

Llop, M.: ‘Changes in energy output in a regional economy: A Structural Decomposition Analysis’, 56 th ERSA Congress, Vienna (Austria), 2016.

Llop, M.: ‘Changes in energy output in a regional economy: A Structural Decomposition Analysis’, XVII INFER Annual Conference, Reus (SPAIN), 2016.

Llop, M.: 'Identifying the role of final consumption in structural path analysis: An application to water uses', VII Workshop on Energy Economics and Public Policies Evaluation, Sevilla (SPAIN), 2015.

Llop, M.: "A second-best analysis of alternative instruments for the preservation of natural resources", Workshop en Modelización Económica Multisectorial, Baeza, Jaén (SPAIN), 2014.

Di Cosmo, V., Hyland, M. and Llop, M.: "Disentangling water usage in the European Union: An input-output subsystem decomposition analysis", V Jornadas de Análisis Input-Output, Sevilla (SPAIN), 2013.

Llop, M. and Ponce-Alifonso X.: "Agriculture, technological change and environmental sustainability. Looking for a win-win water policy strategy", Workshop en Modelización Económica Multisectorial, Granada (SPAIN), 2012.

Llop, M. and Ponce-Alifonso, X.: "A never-ending debate: Demand versus supply water policies. A CGE analysis for Catalonia", IV Spanish Conference on Input-Output Analysis, Madrid (SPAIN), 2011.

Demisse, E., Butnar, I., Llop, M. and Castells, F.: "Environmental tax of products and services based on life cycle assessment", 9th International Conference on EcoBalance, Tokyo (JAPAN), 2010.

De Miguel, F. J., Llop, M. and Manresa, A.: "Ganancias de productividad sectoriales y determinación de sectores clave: un análisis mediante modelos de equilibrio general computable", International Meeting on Regional Science, Badajoz (SPAIN), 2010.

De Miguel, F. J., Llop, M. and Manresa, A.: "Ganancias de productividad sectoriales y determinación de sectores clave: un análisis mediante modelos de equilibrio general computable", Workshop en Modelización Económica Multisectorial, Madrid (SPAIN), 2010.

Llop, M., Butnar, I.: "Structural decomposition analysis and input-output subsystems: an application to Spanish CO₂ emissions", Workshop en Modelización Económica Multisectorial, Madrid (SPAIN), 2010.

Llop, M. and Pié, L.: "Modeling a reduction of greenhouse gases in the Catalan economy: the NAMEA approach", EcoMod2010, Istanbul (TURKEY), 2010.

Llop, M. and Pié, L.: "Exogenous income determination in a SAM model: the Catalan economy towards the "20-20-20 European Directive", EcoMod2010, Istanbul (TURKEY), 2010.

Llop, M.: "The role of saving and investment in a SAM price model", XXII EUNIP Conference, Reus (SPAIN), 2010.

Llop, M. and Sabena, S.: "Measuring air pollution of tourism: An Input-Output model for the Campania region", XXII EUNIP Conference, Reus (SPAIN), 2010.

Llop, M. and Pié, L.: "Analysis of accounting multipliers in a NAMEA: An application to the case of Catalonia", III Jornadas Españolas de Análisis Input-Output, Albacete (SPAIN), 2009.

Llop, M. and Pié, L.: "Economic impact of alternative policy measures implemented on the energy activities of the Catalan production system: An Input-Output analysis", II Jornadas Españolas de Análisis Input-Output, Zaragoza (SPAIN), 2007.

Llop, M. and Pié, L.: "Economic impact of alternative policy measures implemented on the energy activities of the Catalan production system: An Input-output analysis", EcoMod Conference on Energy and Environmental Modeling, Moscow (RUSSIAN FEDERATION), 2007.

Butnar, I; Llop, M.; Gallego, B. and Castells, F.: "LCI boundary selection using input-output techniques", SETAC North America, 27th Annual Meeting, Montreal (CANADÁ), 2006.

Butnar, I; Llop, M.; Gallego, B. and Castells, F.: "Analysis of Water Consumption in Spain using an IO-Based LCA Model", 2nd International Conference on Life Cycle Management, Barcelona (ESPAÑA), 2005.

Llop, M.: "The economic effects of Social Security contributions under alternative tax incidence assumptions: A general equilibrium analysis for Catalonia", Seminar in Departament d'Estructura Econòmica (University of Valencia), Valencia (SPAIN), 2004.

Llop, M. and Manresa, A.: "Análisis de multiplicadores lineales en una economía regional abierta", XXVIII Simposio de Análisis Económico, Seville (SPAIN), 2003.

Llop, M. and Manresa, A.: "The economic effects of social security contributions under alternative tax incidence assumptions: a general equilibrium analysis for Catalonia", International Conference on Policy Modeling, Istanbul (TURKEY), 2003.

Llop, M.: "Capturing the economic impact of a non-profit institution: The Rovira i Virgili University", Workshop on Spatial Networks and Clusters, Rovira i Virgili University, Reus (SPAIN), 2003.

Llop, M. and Manresa, A.: "Distribución de la renta en un modelo de multiplicadores de la economía catalana", V Encuentro de Economía Aplicada, Oviedo (SPAIN), 2002.

Llop, M. and Manresa, A.: "Income distribution in a regional economy: A SAM model", XXVII Simposio de Análisis Económico, Salamanca (SPAIN), 2002.

Llop, M.: "Impacto económico de las cotizaciones empresariales a la Seguridad Social bajo supuestos alternativos de incidencia", Workshop 'Fiscalidad y Modelos Multisectoriales', Centra, Fundación Centro de Estudios Andaluces, Seville (SPAIN), 2002.

Llop, M. and Manresa, A.: "Un análisis de equilibrio general de la reforma del IRPF sobre la economía catalana", IV Encuentro de Economía Aplicada, Reus (SPAIN), 2001.

Llop, M. and Manresa, A.: "Impacto económico de las cotizaciones empresariales a la Seguridad Social bajo supuestos alternativos de incidencia", XXVI Simposio de Análisis Económico, Alacant (SPAIN), 2001.

Llop, M. and Manresa, A.: "Influencia de los precios de los inputs y las importaciones sobre los precios de la economía catalana", III Encuentro de Economía Aplicada, Valencia (SPAIN), 2000.

Sardà, J.; Pérez, M. J. and Llop, M.: "Real exchange rate and long-run equilibrium in transition economies", 49 International Atlantic Economic Conference, Munich (GERMANY), 2000.

Llop, M.; Manresa, A. and De Miguel, F. J.: "Una comparación de las economías de Cataluña y Extremadura a partir de matrices de contabilidad social y multiplicaciones lineales", Reunión ASEPELT, Burgos (SPAIN), 1999.

Llop, M. and Manresa, A.: "Un modelo lineal de equilibrio general para la economía de Cataluña", V Encuentro Gallego de Nuevos Investigadores de Análisis Económico, A Coruña (SPAIN), 1999.

Allepús, J. and Llop, M.: "La productividad industrial. Un análisis macroeconómico", X Reunión ASEPELT-ESPAÑA, Albacete (SPAIN), 1996.

Segarra, A. and Llop, M.: "Crecimiento y estructura industrial en las regiones españolas: 1978-1992", XXII Reunión Estudios Regionales, Pamplona (SPAIN), 1996.

INVITED SEMINARS:

Llop, M.: 'Identifying the role of final consumption in structural path analysis: An application to water uses', University of Groningen (HOLLAND), 2015.

Llop, M.: 'Economic structure and pollution intensity in the environmental input-output framework', Universidad Pablo de Olavide (SPAIN), 2007.

Llop, M.: 'The general equilibrium effects of social security contributions under alternative incidence assumptions' Universidad de Valencia (SPAIN), 2004.

Llop, M.: 'Un análisis de equilibrio general de una reducción de las cotizaciones empresariales a la seguridad social', Universidad Pablo de Olavide (SPAIN), 2002.

Llop, M.: 'Income distribution in a regional economy: A SAM model', Universitat Rovira i Virgili (SPAIN), 2002.

SUPERVISION OF PH. D THESES:

Butnar, I.: "Input-output analysis for use in life cycle assessment: introduction to regional modelling", Rovira i Virgili University, Qualification: Cum Laude, June 2007.

Sabena, S.: "The value of environmental Input-output analysis for the estimation and assessment of tourism development impacts", Politecnico di Torino University. Qualification: Cum Laude, May 2009.

Pié, L.: "Multisectorial models applied to the environment: An analysis for Catalonia", Rovira i Virgili University, Qualification: Cum Laude, January 2010.

REFEREE SERVICES:

Agencia Nacional de Evaluación de Proyectos (ANEP), Annals of Regional Science, Applied Economics, Bulletin of Economic Research, Climate Policy, Ecological Economics, Economic Modeling, Economic Systems Research, Energy Economics, Energy Journal, Energy Policy, Estudios de Economía Aplicada, Investigaciones Económicas, International Regional Science Review, Journal of Cleaner Production, Journal of Environmental Planning and Management, Regional Studies, Revista de Economía Aplicada, Telecommunications Policy, Water, Water Policy, Water Economics and Policy, Water Resources and Economics.

THESIS COMMITTEES:

Yusof Saari, University of Groningen, 2015.
Alberto Franco Solís, Universidad de Extremadura, 2014.
Eskinder Demisse Guemetchu, Universitat Rovira i Virgili, 2013.
Ana Medina, Universidad Rey Juan Carlos, 2012.
Manuel Ordóñez Ríos, Universidad de Sevilla, 2011.
Ana Isabel Guerra, Universitat Autònoma de Barcelona, 2009.
Patricia Fuentes Saguar, Universidad de Sevilla, 2008.
Francisco Javier de Miguel, Universidad de Extremadura, 2003.

EDITORIAL BOARD:

Open Environmental Science (2008-present).

OTHER POSITIONS:

Secretary of the Department of Economics, Universitat Rovira i Virgili (2002-2006).
Director of the Research Centre in Industrial and Public Economics (2011-2013).
Director of the Chair of Energy and Development of the Universitat Rovira i Virgili (from 2014).