

Maria Llop Llop

Curriculum Vitae

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Department d'Economia
Facultat d'Economia i Empresa
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RESEARCHER ID: F-6858-2016

ORCID CODE: 0000-0001-6609-7528

CURRENT POSITION:

Full Professor of Economic Theory, Departament d'Economia, Universitat Rovira i Virgili.

PERSONAL DATA:

Born 14th March 1970, Spanish.

Married, two children (born in 2006 and 2008).

EDUCATION:

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

PhD in Economics. Universitat Rovira i Virgili, 2001. Dissertation title: *Un Análisis de Equilibrio General de la Economía Catalana*. Supervisor: Antonio Manresa (Universitat de Barcelona). Qualification: Cum Laude. Extraordinary Ph. D. Dissertation Award.

TEACHING POSITIONS:

Full Professor, Universitat Rovira i Virgili, 2018-present.

Associate Professor, Universitat Rovira i Virgili, 2008-2018.

Assistant Professor, Universitat Oberta de Catalunya, 2005-present.

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

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

TEACHING SUBJECTS:

Introduction to Microeconomics, Microeconomics, Advanced Microeconomics, Market Analysis, Market Regulation.

Introduction to Macroeconomics, Dynamic Macroeconomics.

Environmental and Energy Economics.

FELLOWSHIPS AND AWARDS:

Certificate of Full Professor in Economics (AQU, 2016).

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

Certificate of Associate Professor in Economics (ANECA, 2008).

Three positive evaluations of a research period (CNEAI 2011-2016, CNEAI 2005-2010, and CNEAI 1999-2004).

Extraordinary Ph. D. Dissertation Award (Universitat Rovira i Virgili, 2001).

Scholar of the EUS Educational Program ("Empresa-Universitat-Societat") (Universitat de Barcelona, 1992-1993). Work experience in the Generalitat de Catalunya (Gabinet Tècnic, Departament d'Agricultura, Ramaderia i Pesca).

POST-DOCTORAL PERIODS ABROAD:

2018: July. Environmental Research Institute (ERI), University College of Cork; Cork (IRELAND).

2017: July. Environmental Research Institute (ERI), University College of Cork; Cork (IRELAND).

2013: June-July. Dublin Institute of Technology (DIT); Dublin (IRELAND).

2012: June-July. Economic and Social Research Institute (ESRI); Dublin (IRELAND).

2011: April-July. Economic and Social Research Institute (ESRI); Dublin (IRELAND).

PUBLICATIONS:

1. Articles in Journals with Impact Factor:

"Energy import costs in a flexible input-output price model", *Resource and Energy Economics*, 2019, 59, 1-9.

"Decomposing the changes in water intensity in a Mediterranean region", *Water Resources Management*, 2019, 33 (9), 3057-3069.

"Measuring the influence of energy prices in the price formation mechanism", *Energy Policy*, 2018, 117, 39-48.

"A comparative analysis of substituting imported gas and coal for electricity with renewables: An input-output simulation", *Sustainable Energy Technologies and Assessments*, 2018, 30, 1-10 (with M. Kamidelivand, C. Cahill, F. Rogan and B. O'Gallachoir).

"Changes in energy output in a regional economy: A structural decomposition analysis", *Energy*, 2017, 128, 145-151.

"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 flow due to international trade: Multiregional input-output approach for Spain", *Greenhouse Gas Measurement and Management*,

2014, 4, 201-214 (with E. D. Gemechu, 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. D. Gemechu, I. Butnar and F. Castells).

“Decomposition of sectoral 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. D. Gemechu, 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).

“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).

“Decomposition of emission multipliers in a national accounting matrix including environmental accounts. The case of Catalonia”, *Journal of Industrial Ecology*, 2011, 15 (2) (with L. Pié).

“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).

2. Articles in Other International Journals:

“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-Carod).

“Capturing the multisectoral effects of environmental policies: A linear price model for Catalonia”, *Environmental Economics*, 2011, 2, 17-26 (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).

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

3. Articles in Spanish Journals:

“El sector energètic a la demarcació de Tarragona (2014): Aspectes geogràfics i socioeconòmics”, *Documents de Treball de la Càtedra d’Energia i Desenvolupament*, URV, 2017, 1 (with J. Mira) (in Catalan).

“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).

“Composició de la demanda d’energia a Catalunya (2011)”, *Documents de Treball de la Càtedra d’Energia i Desenvolupament*, URV, 2016, 3 (in Catalan).

“Els costos energètics a Catalunya: Una anàlisi sectorial desagregada”, *Documents de Treball de la Càtedra d’Energia i Desenvolupament*, URV, 2015, 1 (in Catalan).

“Descomposició de los cambios de multiplicadores en una matriz de contabilidad social: Un ejemplo para la economía catalana”, *Estudios de Economía Aplicada*, 2007, 25 (3), 631-646 (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).

4. Books:

El grup SAGESSA: Activitat i impacte econòmic. 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).

5. Edited Books:

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

6. Selected Book Chapters:

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

“GHG emissions minimization at the macroeconomic level via a multi-objective optimization/Input-Output approach: A case study of the EU-25 economy”, in J. J. Klemes, P. S. Varbanov and P. Y. Liew (editors): *Computer Aided Chemical Engineering*, Elsevier, 2014, 33, 1069-1074 (with D. Cortés-Borda, A. Ruiz-Hernández, G. Guillén-Gosálbez, R. Guimerà and M. Sales-Pardo).

“Anàlisi sectorial: L’energia” in Generalitat de Catalunya: *Informe anual sobre la indústria a Catalunya 2010*, Departament d’Innovació, Universitats i Empresa, 2011, 261-270 (in Catalan).

“L’impacte sobre la producció i l’ocupació”, in A. Segarra (editor): *El poder de les idees. Impactes de la URV sobre la societat*, Publicacions URV, 2011, 87-116 (in Catalan).

“General equilibrium effects of policy measures applied to energy: The case of Catalonia”, in G. Liu (editor): *Greenhouse Gases/Book 2*, Intech, 2011, 277-298.

“Atmospheric emissions and structural path analysis in the Spanish economy”, in M. Llop (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 M. Llop (editor): *Air Pollution: Economic Modeling and Control Policies*, Bentham e-Books, 2011, 132-148 (with S. Sabena).

“Anàlisi sectorial: L’energia” in Generalitat de Catalunya: *Informe anual sobre la indústria a Catalunya 2009*, Departament d’Innovació, Universitats i Empresa, 2010, 245-257 (in Catalan).

“Modelling a reduction in greenhouse gas emissions in the Catalan economy: The NAMEA approach”, in C. P. Vasser (editor): *The Kyoto protocol: Economic assessments, implementation mechanisms and policy implications*, Nova Science Publishers, 2009, 57-85 (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, 141-142 (in Spanish).

“L’impacte econòmic”, in A. Segarra (editor): *L’impacte de la Universitat Rovira i Virgili sobre el territori*, Cossetània, 2002, 97-131 (in Catalan).

“La Terra Alta”, in *Anuari Econòmic Comarcal 2000*, Caixa de Catalunya, 2000, 303-337 (with M. A. Bové) (in Catalan).

“La productivitat en l’empresa industrial”, in A. Segarra and M. Oliva (editors): *Indústria i estratègies empresarials al Camp de Tarragona*, Universitat Rovira i Virgili and Autoritat Portuària de Tarragona, 1996, 155-167 (with J. Allepús) (in Catalan).

7. Work in Progress and Unpublished Research:

“Environmental taxation and international trade in a tax-distorted economy”, **Working Paper Department d’Economia i CREIP, Universitat Rovira i Virgili**, 2016, 19-2016.

“A second-best analysis of alternative instruments for the preservation of natural resources”, **Working Paper Department d’Economia i CREIP, Universitat Rovira i Virgili**, 2016, 5-2016.

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

8. Teaching Publications:

“Problemas Resueltos de Microeconomía Intermedia“, Ariel, 2019 (with J. M. Giménez and C. Manzano) (in Spanish).

“Microeconomía Avanzada“, **Material Docente de la UOC**, 2017 (with P. Cortadas, M. Oliva and J. Silvestre) (in Spanish).

“Microeconomía Avanzada”, *Material Docent de la UOC*, 2017 (with P. Cortadas, M. Oliva and J. Silvestre) (in Catalan).

PROJECTS:

1. Public Research Projects:

“Quantitative, Urban and Regional Economics (QURE)”, Catalan Government (2017SGR-159), 2018-2020 (main researcher).

“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).

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

“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 (2009SGR-322), 2010-2014.

“Mercado laboral, vivienda e inmigración: Un análisis empírico para el mercado español”, Spanish Ministry of Science and Education (SEJ2007-66318), 2007-2010.

“Mercados: Organización, información, contratos y estado”, Spanish Ministry of Science and Education (SEJ2004-07477), 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.

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

“Simulación y evaluación de políticas de gasto social y su financiación mediante impuestos: Un enfoque microeconómico integrado”, 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 Research Projects:

”Estudi d’impacte econòmic del desmantellament de la Central Nuclear d’Ascó”, Ajuntament d’Ascó (Tarragona), 2019.

”Impacte econòmic del Pla Director i Urbanístic del Complex Recreatiu i Turístic (CRT)”, Institut Català del Sòl, 2016.

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

”Els impactes de la Universitat Rovira i Virgili sobre el territori: El valor de les idees”, 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 del grup SAGESSA sobre el seu entorn més immediat”, SAGESSA, 2009.

”El Port de Tarragona: àrea d’influència i impacte econòmic”, Autoritat Portuària de Tarragona, 2007-2009.

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

”Cálculo del impacto económico de la construcción de un Almacén Temporal de Centralizado (ATC)”, ENRESA (Empresa Nacional de Residuos Radioactivos, S. A), 2006 (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).

“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).

“Avaluació de l'impacte econòmic de la planta d'incineració de residus especials de Constantí”, Incineradora de Residus Especials de Constantí, 2005.

“Estudi sobre l'avaluació i mesura de l'impacte econòmic per a l'economia de Reus de la Capsa Gaudí”, Ajuntament de Reus, 2005.

“Avaluació de l'impacte econòmic de la construcció i explotació de projectes 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.

3. Teaching Projects:

“Incorporació de noves metodologies docents a les assignatures de primer grau: Introducció a la Macroeconomia i Principis d'Economia”, Projectes d'Innovació Docent de l'ICE, Universitat Rovira i Virgili, 2010.

CONFERENCE CONTRIBUTIONS:

M. Llop: “Sectoral productivity increases in a regional economy: a multiplier evaluation”, 15th International Conference, Western Economic Association, Tokyo (JAPAN), 2019.

M. Llop: “Sectoral productivity increases in a regional economy: a multiplier evaluation”, Workshop de la Red Temática de Economía Computacional, Santiago de Compostela (ESPAÑA), 2018.

M. Llop: “Changes in energy output in a regional economy: A Structural Decomposition Analysis”, LVI ERSR Congress, Vienna (AUSTRIA), 2016.

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

M. Llop: “Fostering cross-disciplinary research to tackle the wide spectrum of issues in realising the transition to a low carbon energy society“, I UNI-SET Energy Clustering Event, Trondheim (NORWAY), 2016.

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

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

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

M. Llop and X. Ponce-Alifonso: “Agriculture, technological change and environmental sustainability. Looking for a win-win water policy strategy“, VI Workshop sobre Modelos Multiregionales para la Evaluación de Políticas Públicas, Granada (SPAIN), 2012.

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

F. J. De Miguel, M. Llop, and A. Manresa: “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.

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

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

M. Llop and L. Pié: “Modeling a reduction of greenhouse gases emissions in the Catalan economy: The NAMEA approach“, EcoMod2010 International Conference on Economic Modeling, Istanbul (TURKEY), 2010.

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

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

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

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

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

M. Llop and L. Pié: "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.

I. Butnar, M. Llop, B. Gallego, and F. Castells: "Analysis of Water Consumption in Spain using an IO-Based LCA Model", LCM2005 International Conference on Life Cycle Management, Barcelona (SPAIN), 2005.

M. Llop: "Comparing multipliers in the social accounting matrix framework", II Workshop de Economía Computacional, Lleida (SPAIN), 2004.

M. Llop and A. Manresa: "Analysis of linear multipliers in an open regional economy", XXVIII Simposio de Análisis Económico, Sevilla (SPAIN), 2003.

M. Llop and A. Manresa: "The economic effects of social security contributions under alternative tax incidence assumptions: A general equilibrium analysis for Catalonia", EcoMod2003 International Conference on Economic Modeling, Istanbul (TURKEY), 2003.

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

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

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

M. Llop: "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), Sevilla (SPAIN), 2002.

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

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

M. Llop and A. Manresa: "Impacto sectorial sobre la economía de Cataluña ante cambios en los precios de los factores y de las importaciones", III Encuentro de Economía Aplicada, Valencia (SPAIN), 2000.

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

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

M. Llop and A. Manresa: "Multiplicadores contables en una matriz de contabilidad social de la economía catalana", I Workshop de Economía Computacional, Reus (SPAIN), 1999.

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

INVITED SEMINARS, CONFERENCES AND COURSES:

"Taula Rodona 'Transició energètica sostenible'", Diari de Tarragona (SPAIN), 2017.

"La importància econòmica, social i mediambiental de l'energia", Consell Comarcal del Tarragonès (SPAIN), 2017.

"Economia Verda", V Congrés Mediterrani d'Eficiència Energètica i Smart Green Cities (SPAIN), 2016.

"Taula Rodona 'L'impacte de la Unió Energètica a les empreses de Tarragona'", Europe Direct Tarragona (SPAIN), 2016.

“Taula rodona ‘Energia pel Futur’”, Jornada de la Mesa d’Alcaldes en Defensa de l’Energia de Catalunya (MADE) (SPAIN), 2016.

“Taula Rodona ‘Anàlisi i perspectives del preu de l’electricitat’”, Jornada PIMEC: L’Energia com a factor de competitivitat (SPAIN), 2015.

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

“Producció energètica i impacte econòmic”, Jornada de la Mesa d’Alcaldes en Defensa de l’Energia de Catalunya (MADE) (SPAIN), 2014.

“Economia”, Màster en Gestió d’Empreses MBA, Universitat Rovira i Virgili, (SPAIN), 2011.

“Economic structure and pollution intensity within the environmental input-output framework”, Universidad Pablo de Olavide (SPAIN), 2007.

“Impacte econòmic de la construcció i explotació d’un Parc Eòlic”, SIMPPLE and Fundació URV (SPAIN), 2006.

“Impacte de la URV”, Setmana de la Ciència, Universitat Rovira i Virgili (SPAIN), 2005.

“The economic effect of social security contributions under alternative tax incidence assumptions: A general equilibrium analysis for Catalonia”, Universidad de Valencia (SPAIN), 2004.

“Distribución de la renta en un modelo de multiplicadores de la economía catalana”, Universitat Rovira i Virgili (SPAIN), 2002.

“Presentacions d’orientació universitària”, Institut d’Educació Secundària Terra Alta and Institut d’Educació Secundària Julio Antonio, (SPAIN), 2002.

“Mòdul d’actualització científica i didàctica de l’economia”, Institut de Ciències de l’Educació, Universitat Rovira i Virgili (SPAIN), 1999.

“L’euro i la Unió Monetària Europea”, Centre de Lectura de La Fatarella (SPAIN), 1998.

“Polítiques i fons comunitaris per a la inversió”, Màster en Gestió d’Empreses Cooperatives, Universitat Rovira i Virgili (SPAIN), 1998.

“La Unió Europea: aspectes jurídics i econòmics”, Universitat Rovira i Virgili (SPAIN), 1996.

“Comptabilitat Bàsica i Pla General Comptable”, Departament de Treball de la Generalitat de Catalunya, La Fatarella (SPAIN), 1995.

SUPERVISION OF PH. D THESES:

1. Defended:

L. Pié: “Multisectorial models applied to the environment: An analysis for Catalonia”.

Universitat Rovira i Virgili (SPAIN).

Qualification: Cum Laude.

Date: January 2010.

Supervisor: M. Llop.

S. Sabena: “The value of environmental Input-output analysis for the estimation and assessment of tourism development impacts”.

Politecnico di Torino University (ITALY).

Qualification: Cum Laude.

Date: May 2009.

Supervisors: M. Llop and G. Mondini.

I. Butnar: “Input-output analysis for use in life cycle assessment: introduction to regional modelling”.

Universitat Rovira i Virgili (SPAIN).

Qualification: Cum Laude.

Date: June 2007.

Supervisors: F. Castells and M. Llop.

2. Under Elaboration:

L. Fernández: “Tres assaigs empírics sobre les relacions entre economia i medi ambient”, Universitat Rovira i Virgili. Supervisors: J. A. Duro and M. Llop.

REFeree SERVICES:

1. Research Agencies:

European Commission (European Union): Projects of the H2020.

Agencia Estatal de Investigación (Spanish Government): Projects of the Spanish National Plan of Research.

2. Academic Journals:

Annals of Regional Science, Applied Economics, Bulletin of Economic Research, Carbon Management, Climate Policy, Conservation and Recycling, Ecological Economics, Economic Modeling, Economic Systems Research, Energy Economics, Energy Journal, Energy Policy, Estudios de Economía Aplicada, International Regional Science Review,

Investigaciones Económicas, Journal of Cleaner Production, Journal of Environmental Planning and Management, Papers in Regional Science, Regional Studies, Resources, Revista de Economía Aplicada, Sustainability, Telecommunications Policy, Water, Water Policy, Water Economics and Policy, Water Resources and Economics.

THESIS COMMITTEES:

Maria José Colinet Carmona. Universidad de Sevilla, 2017.
Yusof Saari. University of Groningen, 2015.
Alberto Franco Solís. Universidad de Extremadura, 2014.
Eskinder Demisse Gemechu. Universitat Rovira i Virgili, 2013.
Ana Medina López. Universidad Rey Juan Carlos, 2012.
Manuel Ordóñez Ríos. Universidad de Sevilla, 2011.
Ana Isabel Guerra Hernández. Universitat Autònoma de Barcelona, 2009.
Patricia Fuentes Saguar. Universidad de Sevilla, 2008.
Francisco Javier de Miguel Vélez. Universidad de Extremadura, 2003.

MASTER COMMITTEES:

Alexandre García. Universitat Rovira i Virgili, 2017.
Jenny Carolina Cárdenas. Universitat Rovira i Virgili, 2017.
Víctor Sabaté. Universitat Rovira i Virgili, 2017.
Patricia Sanz. Universitat Rovira i Virgili, 2014.
Elisenda Jové. Universitat Rovira i Virgili, 2014.
Eva Coll. Universitat Rovira i Virgili, 2014.
Judith Turrion. Universitat Rovira i Virgili, 2014.
Shirley Yolinia Triana Bautista. Universitat Rovira i Virgili, 2010.
Noemí Morral. Universitat Autònoma de Barcelona, 2003.

UNIVERSITY MANAGEMENT POSITIONS:

Director of the Chair of Energy and Development. Universitat Rovira i Virgili (2014-2017).

Director of the Research Centre in Industrial and Public Economics. Universitat Rovira i Virgili (2010-2013).

Secretary of the Department of Economics. Universitat Rovira i Virgili (2003-2006).

OTHER PROFESSIONAL ACTIVITIES:

1. Conference Organization:

Organizer of the Course “Energia: Economia, medi ambient i política”, Universitat d’Estiu de la Universitat Rovira i Virgili, 2018.

Member of the Organising Committee of the “IX Workshop de Economía Computacional”, Universitat Rovira i Virgili and Universidad de Santiago de Compostela, 2018.

Member of the Scientific Committee of the “IX Workshop de Economía Computacional”, Universitat Rovira i Virgili and Universidad de Santiago de Compostela, 2018.

Organizer of the Course “Energia: Economia, medi ambient i política”, Universitat d’Estiu de la Universitat Rovira i Virgili, 2017.

Member of the Scientific Committee of the “VI Jornadas de Análisis Input-Output”, Universitat de Barcelona, 2015.

Member of the Organizing Committee of the “II PhD Workshop in Industrial and Public Economics”, CREIP, Universitat Rovira i Virgili, 2014.

Member of the Scientific Committee of the “II PhD Workshop in Industrial and Public Economics”, CREIP, Universitat Rovira i Virgili, 2014.

Member of the Organizing Committee of the “I PhD Workshop in Industrial and Public Economics”, CREIP, Universitat Rovira i Virgili, 2013.

Member of the Scientific Committee of the “I PhD Workshop in Industrial and Public Economics”, CREIP, Universitat Rovira i Virgili, 2013.

Member of the Scientific Committee of the “Workshop on Economics of Energy Efficiency”, Universitat Rovira i Virgili, 2013.

Organizer of “III Fòrum d’Economia: Nous Tòpics de Macroeconomia”, Universitat Rovira i Virgili, 2004.

Member of the Organizing Committee of “IV Encuentro de Economía Aplicada”, Universitat Rovira i Virgili, 2001.

Member of the Organizing Committee of “I Workshop de Economía Computacional”, Universitat Rovira i Virgili, 1999.

2. Academic Responsibilities:

Main researcher of the “Quantitative, Urban and Regional Economics (QURE)” research group, Universitat Rovira i Virgili, from 2015.

Member of the Committee of Users of the Library of Facultat de Ciències Econòmiques i Empresariales, Universitat Rovira i Virgili, 2004-2008.

Member of the Committee of Quality of Departament d'Economia, Universitat Rovira i Virgili, 2004-2006.

Coordinator of Economics in Enginyeria Tècnica Agrícola, Universitat Rovira i Virgili, 2002-2003.

Member of the Internal Committee of Evaluation of the Diplomatura en Ciències Empresarials, Universitat Rovira i Virgili, 2002.

Member of the Committee of the Library of Escola Superior d'Enginyeria, Universitat Rovira i Virgili, 1998-2001.

Member of the Committee to Reform the Studies of Enginyeria Tècnica Agrícola, Universitat Rovira i Virgili, 1997-1998.

TEACHING FORMATION:

Attendance to the Course "How to teach in English", Universitat Rovira i Virgili, 2018.

Certificate of "Proficient English-C1", Universitat Rovira i Virgili, 2017.

Attendance to the Course "General English Language Training", Cork English Academy, 2016.

Attendance to the Course "Advanced Conversation Course", Universitat Rovira i Virgili, 2015.

Attendance to the Course "Els grups a Moodle", Universitat Rovira i Virgili, 2014.

Attendance to the Course "Advanced Conversation Course", Universitat Rovira i Virgili, 2014.

Attendance to the Course "Jornada de reflexió sobre els MOOCs", Universitat Rovira i Virgili, 2013.

Certificate of "Advanced English", Generalitat de Catalunya, 2013.

Attendance to the Course "Taller e-tutories FEE 2012-2013", Universitat Rovira i Virgili, 2012.

Attendance to the International Conference "Noves tendències en la formació permanent del professorat", Universitat de Barcelona, 2011.

Attendance to the Course "Objectius i objectius per competències i planificació ECTS i guia docent", Universitat Rovira i Virgili, 2006.

RESEARCH FORMATION:

Attendance to the Course “Seminar and Workshop Series on Recent Development in Economics”, Universitat Rovira i Virgili, 2016.

Attendance to the Course “Introducción al Programa Latex”, Universitat Rovira i Virgili, 2015.

Attendance to the Course “Taller de preparación de propuestas: Starting Grants y Consolidator Grants”, Agència de Gestió d’Ajuts Universitaris i de Recerca (AGAUR), 2012.

Attendance to the Course “Projectes Europeus”, Universitat Rovira i Virgili, 2012.

Attendance to the Seminar “Environmental Economics”, Economic and Social Research Institute, 2011.

Attendance to the Seminar “Immigration, conflict and distribution”, Universitat Rovira i Virgili, 2011.

Attendance to the Seminar “Immigration, Wages and Education: A Labor Market Equilibrium Structural Model”, Universitat Rovira i Virgili, 2011.

Attendance to the Seminar “The increase in college premium and the decline of college wages: A signalling story”, Universitat Rovira i Virgili, 2011.

Attendance to the Seminar “Public expenditure distribution, voting and growth”, Universitat Rovira i Virgili, 2011.

Attendance to the Course “Seminaris del Departament d’Economia. 1r semestre”, Universitat Rovira i Virgili, 2010.

Attendance to the Course “Seminari d’Investigació: Comptabilitat Ambiental”, Universitat Rovira i Virgili, 2010.

Attendance to the Course “Evaluación de políticas económicas con modelos de equilibrio general aplicado”, Universidad Internacional Menéndez Pelayo, 2001.

Attendance to the Course “Magistral Corporate Finance”, (by J. Tirole and B. Biais), Universidad Internacional Menéndez Pelayo, 1998.

Attendance to the Course “Econometria de Dades de Panell”, Universitat Rovira i Virgili, 1995.

Attendance to the Course “Teoria de Jocs”, Universitat Rovira i Virgili, 1995.

Attendance to the Course “Seminari d’Economia Industrial”, Universitat Rovira i Virgili, 1994.
