



Antonio F. AMORES

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 EC Science Hub profile JRC Competence Mapping Profile
Sex Male | Birth-year 1977 (44 years-old) | Nationality Spanish

WORK EXPERIENCE From March 2021

Economic Analyst. European Commission, Joint Research Centre (B2 Fiscal Policy), Seville (Spain)

- **EUROMOD (microsimulation model) Indirect Tax Tool and emissions**

- **Corporate Taxation**

- **Support policy-making**, i.e. (supported DG, example output):

 - **Debt-Equity Bias Reduction Allowance (TAXUD, Impact Assessment)**

June 2015 – March 2021
June 2012 – June 2015

Project Officer (Contractual Agent) B5 Circular Economy and Industrial Leadership

Scientific Officer (Post-doctoral Grantholder) Sustainable Production-Consumption

European Commission, Joint Research Centre, Seville (Spain)

- **Support policy-making**, i.e. (supported DG, example output):

 - Employment and income effects (JRC, Trade-SCAN user-friendly app), COVID19 crisis (SG, ECFIN, i.e. [Spring Forecast 2020](#), p. 71-72) and EU exports (TRADE, i.e.: [note](#), [report](#))

 - Environmental and Climate Change Policy: Effects of UN Framework Convention Climate Change on EU sectors (GROW); Clean Air Policy Package – Thematic Strategy Air Pollution 2013 (ENV, i.e.: [impact assessment](#), p. 156)

- **Design Productivity indicators and Competitiveness dashboard (ESTAT, QALI, metadata)**

- **Official Statistics:** Household Budget, Labour Force, Business, National Accounts, Trade, Digitalization

- **Compile** multi-country supply-use and input-output frameworks inc. valuation tables (ESTAT, [FIGARO](#); TRADE, [GTAP](#)) and, Labour and Environmental Accounts (GROW, [WIOD](#))

- **Develop** the [FIDELIO \(Full Inter-regional Dynamic Econometric Long-term Input-Output\)](#) model

- **Train** EC staff in **multi-regional input-output analysis** and **DataViz** (JRC/ESTAT/ECFIN/TRADE/EMPL)

- **Communicate** science to public, stakeholders and policy makers (presentations, discussion facilitation, **DataViz** and visual IT tools, knowledge management)

From October 2014

October 2001 – June 2012

Associate Professor (on special leave serving in the European Institutions)

Assistant Professor

Universidad Pablo de Olavide, Ctra. Utrera Km.1 41013 Seville (Spain)

- **Teach - Quantitative Methods:** statistics-econometrics, algebra-calculus and financial mathematics

- **Research** - Stochastic Input-Output, operations research, Monte-Carlo simulation, survey data

September – December 2007

June 2004

Visiting Research Fellow. Tilburg University, CentER, 5000 LE Tilburg (The Netherlands)

Visiting Professor. Catholic University of El Salvador, Ctra. San Salvador - Santa Ana (El Salvador)

May 2001 – September 2002

Statistical Fellow. Andalusian Statistical Office, 21, Leonardo Da Vinci St. 41092 Seville (Spain)

- **Manage project and surveys of official statistics:** **tourism** and manufacturing

- **Assess research projects** financed by the institution

January 2000 – December 2000

IT Officer and Economic Information Advisor

Trade & Economic Office, Embassy of Spain, 1901, Av. Nueva Providencia, Santiago (Chile)

- **Manage ICT systems and economic and trade databases**

- **Report on the economic trends in Chile to Spanish General Director for Trade Policy**

October 1998 – June 1999

Research assistant. University of Navarra, Dept. Economics, Pamplona (Spain)

Analyse the economic situation and trends (bi-monthly report) of Spain and the EU

November 1996 – June 1997

ICT assistant. University of Navarra, Clínica Universitaria de Navarra, Pamplona (Spain)

Install hardware and software, **manage** and repair ICT systems, train users

September 1997 – June 1998

Housekeeping manager and Economics tutor

Belagua - Torre 1 Residence Hall, University of Navarra, Pamplona (Spain)

Tutor the economics students living in the hall and **coordination** of all common tasks

EDUCATION AND TRAINING 2006 – 2011

European Doctorate in Economics. Pablo de Olavide University, Seville (Spain)

Supervisors: Thijs ten Raa (Tilburg Univ.) and Jose M. Rueda-Cantuche (JRC/Pablo de Olavide Univ.)

Dissertation: *Essays in Efficiency and Stochastic Input-Output Analysis*

Topics: Efficiency, Productivity: Data Envelopment Analysis (Oper. Research); Stochastic Input-Output: Surveys, Econometrics, modelling and simulation; European Agricultural Policy; Environmental Economics

2013 University Specialist Teaching Innovation in the European Higher Education Area

Pablo de Olavide University, Seville (Spain)

Topics: Teaching guide and assessment in the EU Higher Education Area, didactics by competences and skills, tutoring, semi-distance teaching; teaching applications

2001 – 2005 Diploma of Advanced Studies in Methodology, Techniques and Analysis of Regional Development. University of Seville, Seville (Spain)

Topics: Applied Economics: Input-Output Analysis, Regional Economics, Demographics, Territorial Analysis for Economic Development, EU policies for local development, Rural development

1995 – 1999 Bachelor in Economics (4-year degree) University of Navarra, Pamplona (Spain)

Topics: Applied Economics, Quantitative methods, Resource Economics, Development Economics

PERSONAL SKILLS

MOTHER TONGUE

Communication skills

Spanish

OTHER LANGUAGE(S) English C1, French B1

Excellent, gained during university years and further developed as a lecturer and as a researcher by presenting complex topics to large audiences of experts and non-experts (such as policy makers). Well trained in presentations and data visualization

Organisational/managerial skills

- **Analysis and problem-solving:** Comprehensive view and strong sense of anticipation: ability to foresee the second-round consequences of decisions
- **Delivering Quality and Results:** Delivering work to a high quality standard within set procedures, very proactive and able to perform a deep revision of work
- **Learning and Development:** Self initiative for personal/professional development: i.e. European Semester, presentations, data visualization and soft-skills. Versatility (experience in several domains)
- **Prioritizing and organizing:** Strong ability to efficiently coordinate tasks, schedules, people, etc. It was early discovered by my first degree university managers that entrusted me the coordination of the dorm tasks of 100 students (housekeeping manager)
- **Working with others:** gained during university years and further developed for a decade of cooperation with other lecturers of the same/complementary modules and another decade of successfully participation in projects with other units, DGs (TAXUD, TRADE, GROW, ECFIN, ESTAT, CNECT, etc.), institutions (i.e.: OECD, G20), member states in task forces and working/expert groups (i.e.: National Accounts; labour productivity, digital economy) and external contractors. Understanding and good adaptation to multicultural environments, such as the EU institutions or Latin-American countries like Chile or El Salvador. Good experience managing focus groups (ESTAT, students).
- **Resilience:** as accredited by having worked simultaneously and sequentially in many different projects, I am able to perform under stress and adapt easily to changes (versatility)
- **Leadership:** early gained as a housekeeping manager at my residence hall and further developed as a lecturer and project leader in the European Commission

Job-related skills

- **Official Statistics:** National Accounts, capital & labour, Taxes, Input-Output, ICT, Energy, Environmental
- **Macro-micro data linking, survey data, data quality** (firms, labour, consumption)
- **Scenarios and Impact Analysis. Data analysis. Framework design**

Computer skills

- **Systems:** DOS, Windows, Mac
- **Software:** Very advanced command of MS-Office. MS-Visio, SPSS, Mathematica, Eviews, Qlik, PowerBI
- **Programming:** GAMS, VBA, HTML, Cobol, L_AT_EX, Stata, DAX
- **Webmaster:** SHAIO (former initiator developer of the site). Wordpress

ADDITIONAL INFORMATION

Honours and awards

- JRC Excellence Awards 2021 Special Prize, Joint Research Centre, European Commission
- **GTAP team Award 2017**, Global Trade Analysis Center, Dep. Agricultural Economics, [Purdue University](#)
- Award to the best Doctoral Thesis 2010/11 at Pablo de Olavide University
- Real Maestranza de Caballería de Sevilla-Universidad Pablo de Olavide Research Award 2011
- **Emilio Fontela Award in Input-Output Analysis 2009** by Hispanic Society for Input-Output Analysis
- **UNICAJA Research Award in Agricultural Economics 2006**
- **International Statistical Institute** (2021)
- **Hispalis Regional Economics Applications Laboratory (from 2017)** Affiliate Research Professor
- **Icárea Research Centre** (from 2010) Founding Researcher
- **International Input-Output Association** (from 2008)
 - Certification Coordinator International School of Input-Output Analysis (2016-2020)
 - Editor Newsletter (September 2013-December 2015)
- **Hispanic Input-Output Society** (from 2008) Council member (2013-2020)
- Initial Response and Evacuation Team of JRC Seville Site (from 2015) Volunteer member

Memberships and Services
(period)

Linking multisectoral economic models and consumption surveys for the European Union. *Economic Systems Research* (forthcoming) with Ignacio Cazcarro, Iñaki Arto and Kurt Kratena

Can Supply, Use and Input-Output Tables be converted to a different classification with aggregated information? *Economic Systems Research* (2020) with José M. Rueda and Isabelle Remond-Tiedrez

Bayesian Selection of Supply-Use Technology Assumptions. *Economic Systems Research* (2019) with Joao F.D. Rodrigues and Paulo Rui

Assessment of European Use tables at basic prices and valuation matrices in the absence of official data. *Economic Systems Research* (2018) with José M. Rueda, Joerg Beutel and Isabelle Remond-Tiedrez

Uncertainty in monthly GHI due to daily data gaps. *Solar Energy* (2017) with Carlos M. F. Peruchena

Firm Efficiency, Industry Performance and the Economy: Three-Way Decomposition with an Application to Andalusia. *Journal of Productivity Analysis* (2014) with Thijs ten Raaij

The bias of the multiplier matrix when supply and use tables are stochastic. *Economic Systems Research* (2013), with José M. Rueda Cantuche, Erik Dietzenbacher and Esteban Fernandez

Consistent and unbiased carbon dioxide emission multipliers: performance of Danish emission reductions via external trade. *Ecological Economics* (2010) with José M. Rueda-Cantuche

New approach for the assignment of new European agricultural subsidies using scores from data envelopment analysis: Application to olive-growing farms in Andalusia (Spain). *European Journal of Operational Research* (2009) with Ignacio Contreras

Improving the European Input-Output Database for Global Trade Analysis. *Journal of Economic Structures* (2020) with José Manuel Rueda-Cantuche, Tamas Revesz, Agustín A. Velázquez, Marian Mraz, Emanuele Ferrari, Alfredo José Mainar-Causapé, Letizia Montinari and Bert Saveyn

The employment content of EU exports: an application of FIGARO tables. *Eurostat Review on National Accounts and Macroeconomic Indicators* (2019) with Isabelle Remond-Tiedrez, Juan Manuel Valderas-Jaramillo and José M. Rueda-Cantuche

Estudio de la Eficiencia del Olivar Andaluz mediante Técnicas de Análisis Envolvente aplicadas a la nueva PAC (*Efficiency of Andalusian Olive-growing by means of Data Envelopment Analysis applied to new Common Agricultural Policy*). Fundación UNICAJA – Analistas Económicos de Andalucía (2007)

Tablas a Precios del Año Anterior (*Tables at Previous years' prices*) in *Manual de Tablas Input-Output y de Origen y Destino* (Handbook of Input-Output and Supply-Use Tables) edited by José M. Rueda-Cantuche, M. Alejandro Cardenete and Iñaki Arto, SHAI0 (forthcoming)

Firm Efficiency, Industry Performance and the Economy: Three-Way Decomposition with an Application to Andalusia. *Efficiency and Input-Output Analyses*, pp. 67-89, World Scientific (2021) with Thijs ten Raaij

Firm Efficiency, Industry Performance and the Economy: Three-Way Decomposition with an Application to Andalusia in *Recent developments in Input-Output Analysis*, edited by Erik Dietzenbacher, Michael L. Lahr and Manfred Lenzen (2020), with Thijs ten Raaij

What does value chain upgrading mean for (female) job opportunities in the EU? in *Understanding Value Chains*. Nova Science Publishers, with M^a Victoria Román de Lara and José M. Rueda-Cantuche (2020)

Handbook of Supply-Use and Input-Output Analysis, edited by Sanjiv Mahajan. United Nations (2018)

Measuring Intra-EU Employment Driven by EU Exports to Rest of the World (*in The Sustainability Practitioner's Guide to Social Analysis and Assessment* edited by Joy Murray, Darian Mcbain and Thomas Wiedmann). Common Ground Publishing (2015) with Iñaki Arto and José M. Rueda-Cantuche

EU competitiveness: recent trends, drivers, and links to economic policy: A Synthesis Report. Joint Research Centre (2021) Report with Robert Marschinski, Sara Amoroso, Peter Bauer, Roberta Cardani, Zoltan Csefalvay, Aurélien Genty, Petros Gkotsis, Wildmer Gregori, Nicola Grassano, Hector Hernández, David Martínez Turégano, Michela Nardo, Beatrice Pataracchia, Lesley Potters, Marco Ratto, M^a Victoria Roman, José M. Rueda, Miguel Sanchez, Andrea Tacchella, Alexander Tübke and Antonio Vezzani

Labour Productivity Indicators of the Digital Economy. Joint Research Centre (2020) Report with Juan Manuel Valderas-Jaramillo, José Manuel Rueda-Cantuche

A roadmap toward a common framework for measuring the Digital Economy. Reports for the G20 Digital Economy Task Force (2020) Saudi Arabia

Spring 2020 Economic Forecast: A deep and uneven recession, an uncertain recovery. Directorate General for Economic and Financial Affairs (2020) Institutional Paper 125

Trade-SCAN v2: A user-friendly tool for global value chains analysis (2020) User Guide with María Victoria Román de Lara, José M. Rueda-Cantuche and Pablo Florencio.

EU Trade in Value Added. Joint Research Centre (2020) Report with Iñaki Arto, José M. Rueda-Cantuche, María Victoria Román de Lara, Ignacio Cazcarro and Erik Dietzenbacher

EU Trade in Employment. Joint Research Centre (2020) Report with Iñaki Arto, José M. Rueda-Cantuche, María Victoria Román de Lara, Ignacio Cazcarro and Erik Dietzenbacher

EU Trade in CO₂ Emissions. Joint Research Centre (2020) Report with Iñaki Arto, José M. Rueda-Cantuche, María Victoria Román de Lara, Ignacio Cazcarro and Erik Dietzenbacher

Extension and publication of Labour Productivity Indicators, including QALI. Joint Research Centre (2019) Report with Mattia Cai and José M. Rueda-Cantuche

Trade-SCAN: a tool for Trade Supply Chain Analysis. Joint Research Centre (2019) User Guide with María Victoria Román de Lara, José M. Rueda-Cantuche, Iñaki Arto and Miguel Pérez

WIOD based Energy and Emission accounts: Update 2010-2016. Joint Research Centre (2019) Report with Teodora Corsatea, M^a Victoria Román de Lara, Soeren Linder, José M. Rueda-Cantuche, Agustín Velázquez, Frederik Neuwahl and Iñaki Arto

How important are EU exports for jobs in the EU? DG TRADE (2018) Chief Economist Note Issue 4 November, with Zornitsa Kutlina-Dimitrova, José M. Rueda-Cantuche and M^a Victoria Román de Lara

FIDELIO 3 manual: Equations and data sources. Joint Research Centre (2019) Report with Paola Rocchi, Simone Salotti, Frederik Reynès, Jinxue Hu, Tanya Bulavskaya, José M. Rueda-Cantuche, Juan Manuel Valderas-Jaramillo, Agustín Velázquez and Teodora Corsatea

European Union inter-country supply, use and input-output tables - Full international and global accounts for research in input-output analysis (FIGARO). Eurostat (2019) Statistical Working Paper with Isabelle Rémond-Tiedrez, Pedro Martins-Ferreira, Maaïke Bouwmeester, Robert Stehrer, José M. Rueda, Paola Rocchi, Juan Manuel Valderas-Jaramillo, Agustín Velázquez, Alexis Bolívar, M^a Victoria Román de Lara

Environmental and Labour accounts for OECD Inter-Country Input-Output Tables 2010-2013. Joint Research Centre (2019) Report with Richard Wood, Kirsten S. Wiebe, Moana Simas, Sara Y. Schmidt, Jeroen Kuenen and Teodora Corsatea

EU Exports to the World: Effects on Employment. Joint Research Centre (2018) Report with Iñaki Arto, José M. Rueda-Cantuche, Ignacio Cazcarro, Erik Dietzenbacher, María Victoria Román de Lara and Zornitsa Kutlina-Dimitrova

EU Exports to the World: Effects on Income. Joint Research Centre (2018) Report with Iñaki Arto, José M. Rueda, Ignacio Cazcarro, Erik Dietzenbacher, M^a Victoria Román de Lara and Zornitsa Kutlina-Dimitrova

EU Exports to the EU: Effects on Employment and Income. Joint Research Centre (2018) Report with Iñaki Arto, José M. Rueda-Cantuche, Ignacio Cazcarro, Erik Dietzenbacher, M^a Victoria Román de Lara

EU Exports to the World: Effects on Employment and Income. Joint Research Centre (2015) Report with Iñaki Arto, José M. Rueda, Erik Dietzenbacher, Nuno Sousa, Letizia Montinari and Anil Markandya

Market-based instruments to reduce air emissions from household heating appliances: Analysis of scrappage policy scenarios. Joint Research Centre (2015) Report with Iñaki Arto, Kurt Kratena, Umed Temurshoev and Gerhard Streicher

Total expenditure elasticity of non-durable consumption of European households. Joint Research Centre (2015) Report with Simone Salotti, Letizia Montinari and José M. Rueda-Cantuche

Impact Assessment Clean Air Quality Package COM(2013)917, COM(2013)918, COM(2013)919, COM(2013)920) European Commission Staff Working Document SWD(2013)531, p. 156

FIDELIO 1: Fully Interregional Dynamic Econometric Long-term Input-Output Model for the EU27. Joint Research Centre (2013), with Kurt Kratena, Gerhard Streicher, Umed Temurshoev, Iñaki Arto, Ignazio Mongelli, Frederik Neuwahl, José M. Rueda-Cantuche and Valeria Andreoni

Official Statistics

Full International and Global Accounts for Research in input-Output analysis (Figaro). Eurostat (2021)

Eurostat's Labour Productivity Indicators (LPis) Methodological note and quality aspects. Eurostat (2021)
Quality Adjusted Labour Input. Eurostat (2018)

European System of Accounts 2010 Supply, Use and Input-Output tables. Eurostat (yearly, 2015-2019)

European System of Accounts 1995 Supply, Use and Input-Output tables. Eurostat (yearly, 2012-2015)

Andalusian Tourism Situation Survey, Hotel Occupancy Survey, Campsites Occupancy Survey. Instituto de Estadística de Andalucía (monthly, May 2001-Sep. 2002)

Interviews

Entre Olivos (*Among Olive Trees*). Radio Andalucía Información (14 May 2012) by Marga Reig

Hay que reinventar el olivar y crear oportunidades para la investigación (*We need to reinvent the olivegrowing and to create opportunities for research*) ABC Sevilla (7 May 2012) by Felix Machuca

Conferences Organization (role)

• **ECFIN-JRC Annual Research Conference (2022)** (Scientific & Organizing Committee)

• **Fiscal and distributional consequences of global tax avoidance and tax evasion (2021)** Org. Committee

• **Hispanic Input-Output Society conferences and workshops** (Scientific Programme and Local Organizing Committees, as council member) 2013-2020, besides:

◦ **7th Spanish Workshop on Input-Output Analysis 2020** (Scientific & Organizing Committee)

◦ **8th Spanish Conference on Input-Output Analysis 2019** (Scientific Programme Committee)

◦ **5th Spanish Conference on Input-Output Analysis 2013** (Local Organizing Committee)

◦ **2nd Spanish Workshop on Input-Output Analysis 2010** (Local Organizing Committee, Chair)

• **21st International Input-Output Conference 2013** (Scientific Programme Committee)

• **EcoMod2012** (Secretary Local Organizing Committee)

• **International Input-Output Meeting on Managing the Environment 2008** (Local Organizing Committee)

• **Workshop on Tools for Environmentally Extended Input-Output Analysis EU 2007** (Local Org. Comm.)
JRC (2021), Palgrave (2017), *Investigaciones Regionales* (2012), *Environmental Engineering Management Journal* (2012), *European Journal Operational Research* (2011), *Journal Quantitative Methods Economics and Business Administration* (2011), *International Journal Production Economics* (2009)

Refereeing (since)

Events participation

Official fora

- Experts Group of Structures of the Taxation Systems 2021
- Inter Service Steering Group DEBRA initiative 2021
- G20 Digital Economy Task Force: 2020, 2021
- OECD Expert Group on Extended Supply-Use and Input-Output Tables 2020
- OECD Regional TIVA2020
- European [Trade Economists Network](#) 2013, 2020
- European Task Force on Fixed Assets and consumption of fixed capital under ESA2010: 2020
- European Task Force on Productivity Indicators: 2019 – 2021
- Eurostat National Accounts Working Group: 2013, 2015, 2016, 2020
- EU Supply-Use and Input-Output Tables Technical Group: 2013 – 2018, 2020

Conferences

- ISI World Statistics Congress 2021
- New Techniques and Technologies for Statistics 2021
- International Input-Output Conferences: 2007 – 2016, 2019
- Hispanic Input-Output Conferences and workshops: 2007 – 2019
- Hispalis Regional Economics Applications Laboratory workshops: 2018, 2019
- World KLEMS Conferences: 2016, 2021
- Association of European Operational Research Societies Conferences: 2006, 2007, 2010
- Andalusian Association for Regional Science Congress 2006

Courses taught

- Directorate General for Economic and Financial Affairs, European Commission, 2018
- International School of Input-Output Analysis 2019
- Spanish School of Input-Output Analysis 2019

Lectures

- Andalusian Regional Statistical Institute 2020
- School of Economics and Business, University of Castilla – La Mancha, Opening Lecture Course 2019
- GEAR research group, University of Castilla – La Mancha, Seminar 2019

EU back to School and Career orientation

- San José SS.CC. School (Sevilla, Spain): 2012, 2014, 2016, 2017
- Pablo de Olavide High School (La Luisiana, Sevilla, Spain): 2017

Research Projects

GPA-LPI (Growth and Productivity Accounts – Labour Productivity Indicators)

- Competitive (Administrative Agreement, Eurostat and Joint Research Centre), 2019/2021
- Leader and researcher, 200.000 eur

FIGARO Act II (Full International and Global Accounts for Research in Input-Output Analysis)

- Competitive (Administrative Agreement, Eurostat and Joint Research Centre), 2020/2022
- Researcher and work package leader, 1.050.000 eur

FIGARO Act I (Full International and Global Accounts for Research in Input-Output Analysis)

- Competitive (Administrative Agreement, Eurostat and Joint Research Centre), 2018/2020
- Researcher and work package leader, 650.000 eur

ELIOD (Environmental and Labour Accounts linked to a Global Input-Output Database)

- Competitive (Administrative Agreement, DG GROW), 2016/2018
- Leader and researcher, 360.000 eur

FIGARO (Full International and Global Accounts for Research in Input-Output Analysis)

- Competitive (Administrative Agreement, Eurostat and Joint Research Centre), 2015/2017
- Researcher, 500.000 eur

Carbon-CAP (Carbon emission mitigation by Consumption-based Accounting and Policy)

- Competitive (EU 7th Framework-Programme), 2014/2017
- Researcher, 3.000.000 eur (consortium), 228.692 eur (institution)

EU-GTAP (Improving European Input-Output Database for Global Trade Analysis)

- Competitive (Administrative Agreement, DG TRADE and Joint Research Centre), 2014-2016
- Researcher, 300.000 eur

TIMESUT3 (The European consolidated Input-Output Framework integrated into a Statistical Reference Framework on Competitiveness)

- Competitive (Administrative Agreement, Eurostat and Joint Research Centre), 2014/2016
- Leader and researcher, 1.165.000 eur

TIMESUT2 (European and Euro Area Times Series of Supply, Use and Input-Output Tables in NACE Rev.2, current and previous year prices 2000-2009)

- Competitive (Administrative Agreement, Eurostat and Joint Research Centre), 2012/2014
- Leader and researcher, 500.000 eur

CREEA (Compiling and Refining Economic and Environmental Accounts)

- Competitive (EU 7th Framework-Programme), 2011/2014
- Researcher, 3.500.000 eur (consortium), 122.000 eur (institution)

Estimation of Trade and Transport Margins Matrices and Matrices of net Taxes over products and VAT for the Input-Output framework of Andalusia 2005

- Competitive (Call for Tender Statistical Institute of Andalusia), 2006/2007
- Researcher, 36.000 eur

Small and Medium sized firms in Santa Ana (El Salvador)

- Catholic University of El Salvador, 2004
- Advisor Researcher

Quantitative Methods in Business and Economics

- Competitive (Regional Government of Andalusia), 2002/2004
- Researcher, 15.000 eur

Building a decision model to optimally locate biomass generation centres in Andalusia

- Competitive (Regional Government of Andalusia), 2002
- Researcher, 7.356 eur

Building a model to locate incineration plants to the disposal of solid animal waste in Andalusia

- Competitive (Regional Government of Andalusia), 2001
- Researcher, 11.700 eur

Teaching Innovation Projects

- **Leader:** *Statistics in English* (Competitive, 2009/10) and *Statistics in real jobs* (Competitive, 2007/08)
- **Member:** Coordination of the implementation of new European Credit Transfer System (ECTS) degrees (Competitive, 2009/10) and *Elaboration of ECTS Guide for Statistics and Introduction to Econometrics for the Degree in Business Administration and Management*. Pilot project (Competitive, 2003/04)

Teaching Publications

- **Paper:** *E-Learning de las Matemáticas en las Universidades Españolas: tendencias tecnológicas emergentes y adaptación al EEES*. Universitat Oberta Catalunya (2008), with Alfredo García Hdez-Díaz, Raúl Brey, M. Dolores Caro, Ana F. Carazo, Antonio M. Márquez-Durán and Manuela Segovia
- **Teaching guides:** *Introduction to Statistics* (Pablo de Olavide University) for bachelor degrees in Economic Analysis (2011/12), Finance and Accounting (2010-2012), Business Administration (2009-2012) and Joint Degree in Law and Business Administration and Management (2009-2011)