



PERSONAL
INFORMATION

Curriculum Vitae

Antonio F. Amores

 Arcos 7, 4^oC, 41011 Seville (Spain)
  afamores@gmail.com
 +34 656429229
  +34 954487187
  +34 954276661
  Skype [afamores](#)
 [EC Science Hub profile \(JRC\)](#)



 [JRC Competence Mapping profile](#)

Sex Male | Date of birth 06 July 1977 | Nationality Spanish

WORK EXPERIENCE
From 16 June 2012

Scientific/Project Officer

European Commission, Joint Research Centre, Inca Garcilaso st., 41092 Seville (Spain)

- **Create** Labour/Capital **productivity** indicators and **Competitiveness** framework (ESTAT) (i.e.: **QALI**)
- **Produce** national and **inter-country supply-use and input-output tables** (ESTAT) (i.e.: **FIGARO**)
- **Train** EC staff in **multi-regional input-output analysis** (JRC/ESTAT/ECFIN/TRADE)
- **Support policy-making** with input-output analysis, i.e. (supported DG, example output):
 - Effects of UN Framework Convention on Climate Change on EU sectors (GROW, under development)
 - Role of EU industries in global value chains and competitiveness (GROW, under development)
 - Employment and income supported by EU exports (TRADE, i.e.: **note, report**, app under development)
 - Clean Air Policy Package 2013 (ENV, i.e.: **impact assessment**, p. 156)
- **Develop** the **FIDELIO (Full Inter-regional Dynamic Econometric Long-term Input-Output)** model

From 05 October 2001

Associate Professor (from 10 June 2014, special leave while serving in the European Institutions)

Assistant Professor (05 October 2001–15 June 2012)

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

- **Teach:** Quantitative Methods: statistics-econometrics, algebra-calculus and financial math
- **Research:** Stochastic Input-Output, Operations Research, Agricultural Economics (CAP, Irrigation)

September–December 2007

Visiting Research Fellow

Tilburg University, CentER, PO Box 90153, 5000 LE Tilburg, The Netherlands

June 2004

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. Isla de La Cartuja 41092 Seville (Spain)

- **Manage** and **control** surveys, produce **software** and **estimations** of Tourism official statistics
- **Assess research projects** financed by the institution

January 2000–December 2000

Economic Information Advisor and IT Officer

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

- **Manage** Economic and Trade Databases and ICT systems
- **Report** on the economic trends in Chile to Spanish General Director for Trade Policy

October 1998–June 1999

Research assistant

University of Navarra, Department of Economics, Campus Universitario 31009 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, 36, Av Pío XII 31008 Pamplona (Spain)

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

September 1996–June 1998

Housekeeping manager and Economics tutor

Belagua - Torre 1 Residence Hall, University of Navarra, Campus Universit. 31009 Pamplona (Spain)

Tutoring the economics students living in the hall and **coordinating** all common tasks

EDUCATION AND TRAINING
2006–2011

European Doctorate of Philosophy in Economics

Pablo de Olavide University, Seville (Spain)

Dissertation: [Essays in Efficiency and Stochastic Input-Output Analysis](#)

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

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

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, didactics by competences, tutoring, semi-distance teaching; teaching applications

2001–2005 **Diploma of Advanced Studies in Applied Economics**

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, Faculty of Economics, Pamplona (Spain)

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

PERSONAL SKILLS

Mother tongue(s)

Spanish

OTHER LANGUAGE(S)

English C1

Communication skills

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). I am well trained in presentations and data visualizations to help non-expert audiences get familiarised easily

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 development: i.e. European Semester, Clear writing, presentation skills, data visualization and soft-skills. Versatility (experience in many 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 more than 10 years of cooperation with other lecturers of the same/complementary modules. Nowadays, I participate successfully in projects with other units, DGs (TRADE, GROW, ESTAT, etc.), institutions (i.e.: OECD), member states in task forces and official/technical working groups (i.e.: NAWG) and external contractors. Understanding and good adaptation to multicultural environments, such as the EU institutions or Latin-American countries like Chile or El Salvador
- **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
- **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

- **Competitiveness**, Efficiency and Productivity Analysis, labour and capital indicators
- Scenarios and **Impact Analysis**.
- **Macro-micro data linking, survey data**
- **Estimation** Supply-Use and Input-Output Tables, margins and net taxes. Data quality

Computer skills

- **Systems:** DOS, Windows, Mac
- **Software:** Very advanced command of MS-Office suite. MS-Visio, SPSS, Mathematica, Eviews
- **Programming:** GAMS, VBA, HTML, Cobol, L_AT_EX, R.
- **Webmaster:** **SHAO**. Wordpress.

ADDITIONAL INFORMATION

Honours and awards

- **GTAP team Award 2017**, Center Global Trade Analysis, Dep. Agricultural Econ., **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**

Memberships
(period)

Hispalis Regional Economics Applications Laboratory (from 2017) Affiliate Research Professor

Icárea Research Centre (from 2010) Founding Researcher

International Input-Output Association (from 2008)

- **Certificate Coordinator International Input-Output School** (from 2016)
- Editor **Newsletter** (September 2013-December 2015)

Hispanic Input-Output Society (from 2008) **Council** member (from 2013)

Initial Response and Evacuation Team of JRC Seville Site (from 2015) Volunteer member

Publications
Articles in peer-reviewed
journals with Impact Factor

Bayesian Selection of Supply-Use Technology Assumptions. Economic Systems Research (forthcoming), 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 (2017) with José M. Rueda-Cantuche, Joerg Beutel and Isabelle Remond-Tiedrez

Curriculum Vitae

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 Raai

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

Peer-reviewed books

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)

Invited book chapters

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 (forthcoming), with Thijs ten Raai

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

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 M. Alejandro Cardenete and José M. Rueda-Cantuche). SHAI0 (forthcoming)

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

EC reports, legislation and documents

Full International and Global Accounts for Research in Input-Output Analysis (FIGARO). Eurostat (forthcoming) Working Paper with, Isabelle Remond-Tiedrez, Pedro Jorge Martins Ferreira, Pille Defense-Palojarv, Maaik Bouwmeester, Riina Kerner, Evangelos Pongas, Veijo Ritola, José Manuel Rueda Cantuche, Paola Rocchi, Juan Manuel Valderas Jaramillo, Agustín Velázquez Afonso, Alexis Bolivar, M^a Victoria Román de Lara

Environmental and Labour Accounts for an OECD-based ICIO. Joint Research Centre (forthcoming) Report with Richard Wood, Kirsten S. Wiebe, Moana Simas, Sara Y. Schmidt, Jeroen Kuenen and Teodora Corsatea

WIOD based Energy accounts: Update 2010-2014. Joint Research Centre (forthcoming) Report with Teodora Corsatea, Soeren Linder, José M. Rueda Cantuche, Agustín Velázquez and Frederik Neuwahl

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

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 Roman de Lara

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

EU Exports to the World: Effects on Employment and Income. Joint Research Centre (2015) Report with Iñaki Arto, José Manuel Rueda Cantuche, 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 Manuel 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 Manuel Rueda Cantuche and Valeria Andreoni

Official Statistics

Full International and Global Accounts for Research in input-Output analysis (Figaro). Eurostat (2018)

Quality Adjusted Labour Input. Eurostat (2002-2016)

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

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

Andalusian Tourism Situation Survey, Hotel Occupancy Survey, Campsites Occupancy Survey. Instituto de Estadística de Andalucía (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

Research Projects

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

- Competitive (Administrative Agreement, Eurostat and Joint Research Centre), 2019/2021
- Leader, 200.000 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, 650.000 eur

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

- Competitive (Administrative Agreement, DG GROW), 2016/2018
- Leader, 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, 2.939.343 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, 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, 504.000 eur

CREEA (*Compiling and Refining Economic and Environmental Accounts*)

- Competitive (EU 7th Framework-Programme), 2011/2014
- Researcher, 3.499.649 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, 14.285.05 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, 11.710 eur

Conferences Organization
(role)

- [8th Spanish Conference on Input-Output Analysis 2019](#) (Scientific Programme Committee)
- [5th Spanish Conference on Input-Output Analysis 2019](#) (Local Organizing Committee)
- [EcoMod2012](#) (Secretary Local Organizing Committee)
- [2nd SHAIOWorkshop 2010](#) (Chair Local Organizing Committee)
- [International Input-Output Meeting on Managing the Environment 2008](#) (Local Organiz. Committee)
- [Workshop on Tools for Environmentally Extended Input-Output Analysis EU 2007](#) (Local Org. Com.)

Refereeing
(since)

[Palgrave Macmillan Handbooks](#) (2017), [Investigaciones Regionales](#) (2012), [Environmental Engineering Management Journal](#) (2012), [European Journal Operational Research](#) (2011), [Journal Quantitative Methods Economics and Business Adminst.](#) (2011), [International Journal Production Economics](#) (2009)

Curriculum Vitae

- **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)
- **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 for the region (Competitive, 2003/04)

Teaching Innovation Projects

Presentations

Official meetings

- Eurostat National Accounts Working Group: 2013, 2015, 2016
- EU Supply-Use and Input-Output Tables Technical Group: 2013 - 2018
- European Commission Task Force on Growth and Productivity 2019

Conferences

- **International Input-Output Conferences:** 2007 - 2016, 2018
- **Hispanic Input-Output Conferences and workshops:** 2007 - 2018
- **Hispalis Regional Economics Applications Laboratory workshops:** 2018, 2019
- **World KLEMS Conference** 2016
- **Association of European Operational Research Societies Conferences:** 2006, 2007, 2010
- **Andalusian Association for Regional Science Congress** 2006

EU back to School and Career orientation

- **San José SS.CC. School** (Sevilla, Spain): 2012, 2014, 2016, 2017, 2019
- **Pablo de Olavide High School** (La Luisiana, Sevilla, Spain): 2017