

<b>Part A. PERSONAL INFORMATION</b>		<b>CV date</b>	01/01/2022
First and Family name	ROCIO ROMAN COLLADO		
Researcher numbers	Researcher ID	K-1240-2014	
	Orcid code	0000-0001-8636-2093	

### A.1. Current position

Name of University/Institution	University of Seville		
Department	Análisis Económico y Economía Política		
Address and Country	Sevilla, Andalucía, España		
	E-mail	<a href="mailto:rroman@us.es">rroman@us.es</a>	
Current position	Titular de Universidad	From	03/02/2009
Espec. cód. UNESCO			
Palabras clave	Análisis de descomposición, eficiencia energética, política energética		

### A.2. Education

PhD	University	Year
Economics	Sevilla	2000

### A.3. JCR articles, h Index, thesis supervised...

- Six-year research: 1 (01/01/2007 to 31/12/2012) and 1 (01/01/2013 to 31/12/2018).
- Ph.D. supervisor: 1 (2011), 1 (2017), 1 (2019)
- Total citations: Web of Science de Thomson Reuters (441) / Google scholar (805)
- Average citation per year in the last 5 years: 36.8
- Papers published: (20\_Q1, 4\_Q2, 5\_Q3, 1\_Q4).
- h-Index: 13 (WOS), 14 (Scopus), 16 (Google Scholar).

### Part B. CV SUMMARY (max. 3500 characters, including spaces)

Rocío Román is Ph.D. in Economics and Associate professor at University of Seville since 2009. She teaches graduate and post-graduate courses at University of Seville in microeconomics and environmental economics. She belongs to the Doctoral Program in Economics, Administration and Social Sciences. She has been invited lecturer at St. John's University and in the Master "Programme in Environmental Management and Policy" at the International Institute of Industrial Environmental Economics (IIIEE) in Lund University (Sweden). She has been supervisor of two Ph.D. Thesis in 2011 and 2017. She has been supervisor of 17 Thesis Master at University of Seville and at Lund University. Actually, she is supervisor of five Ph.D. Thesis in progress.

In 2013 and 2016, she did two research stays at the IIIEE at Lund University (Sweden) and started collaboration with researchers at IIIEE in the environmental issues. She has published 2 JCRs with Mundaca (IIIEE member) and has participated in the project "Policy intervention for a competitive green energy economy" founded by the Swedish Energy Agency.

She has been member of the research group of two projects. One was named "*Claves para Desacoplar Crecimiento y Emisiones de CO<sub>2</sub> en España (ECO2014-56399-R)*" founded by the Spanish Economics and Competitiveness Ministry in 2015 and the other was named "*Hacia una economía competitiva baja en carbono. Análisis sectorial para la economía chilena*" founded by Education Ministry of Chile in 2015. She had a research stage in Universidad Autónoma de Chile in Santiago de Chile in 2016. She has published one international chapter book and one paper JCR in the topics analysed in Chile during her stage.

She is main researcher of three research projects financed by Ministerio de Ciencia, Innovación and Universidades (RTI2018-096725-B-I00), by Programa operativo FEDER Andalucía 2014-2020 (US-1260925) and VINNOVA - Sweden's Innovation Agency (BE-USE). She has participated in numerous prestigious international and national conferences on topics related with her research such as the International Academic Symposium (IEB), the Conference of the Spanish Association for Energy Economics (AEEE) the International and European IAEE Conferences and the International Conference on Regional Science.

She is a research founder of the Chair on Energy and Environmental Economics at University of Seville since 2011. Her research interests are the economic analysis of energy consumption issues, the energy efficiency, the renewable energies and the environmental problems. She is an expertise on decomposition analysis methodologies, concretely on decomposition based on index divisia analysis (IDA). In 2018, she signed an expertise contract with European Commission to supervise a research based on this methodology.

She has published 30 JCR and two international book chapters in the topics linked to the Environmental and Energy Economics and other papers indexed by SCOPUS. She got two six-year research periods in 2013 and 2018. Actually, she is working in similar research topics. She is reviewer of some international reputed journal such as Energy Economics, Renewable & Sustainable Energy Reviews, Sustainability, Climate and Development, Energy Efficiency, Applied Energy and Journal of the Air & Waste Management Association.

## Part C. RELEVANT MERITS

### C.1. Publications (including books)

1. Román-Collado, M Economidou. 2021. The role of energy efficiency in assessing the progress towards the EU energy efficiency targets of 2020: Evidence from the European productive sectors. *Energy Policy* 156, 112441
2. Román-Collado, MT Sanz-Díaz, CL Pacheco. 2021. Towards the decarbonisation of Ecuador: a multisectoral and multiregional analysis of its carbon footprint. *Environmental Science and Pollution Research*, 1-20
3. R Román-Collado, JM Cansino, MJ Colinet, V Dugo. 2020. A tool proposal to detect operating anomalies in the Spanish wholesale electricity market. *Energy Policy* 142, 111478
4. Román, Cansino, Merchán 2019. Do Spanish energy efficiency actions trigger JEVON'S paradox?. **Energy**, 181, 760-770
5. Román, Cansino, Molina 2019. Quality of Institutions, Technological Progress, and Pollution Havens in Latin America. An Analysis of the Environmental Kuznets Curve Hypothesis, **Sustainability**, 11 (13), 3708-1-20
6. Román-Collado R., Ordóñez M., Mundaca L. 2018. Has electricity turned green or black in Chile? A structural decomposition analysis of energy consumption, 2018, **Energy**, Volume 162, 1, 282-298
7. Román-Collado R., Colinet M.J. 2018a. Are labour productivity and residential living standards drivers of the energy consumption changes? **Energy Economics**, Volume 74, 746-756
8. Román-Collado R., Colinet M.J. 2018b. Is energy efficiency a driver or an inhibitor of energy consumption changes in Spain? Two decomposition approaches. **Energy Policy**. Volume 115, 409-417
9. Román-Collado R., Cansino J.M., Botia C. 2018. How far is Colombia from decoupling? Two-level decomposition analysis of energy consumption changes. **Energy**, Volume 148, 687-700.
10. Román-Collado R.; Morales A.V. 2018. Towards a sustainable growth in Latin America: A multiregional spatial decomposition analysis of the driving forces behind CO2 emissions changes. **Energy Policy**, 115, 273-280.
11. Román-Collado R.; Cansino J.M.; Rodas, José Alejandro. 2018. Analysis of the main drivers of CO2 emissions changes in Colombia (1990-2012) and its political implications. **Renewable Energy**. Volume 116, Part A, 402-411
12. Román-Collado R.; Sanz Díaz T. 2017. Analysis of energy end-use efficiency policy in Spain. **Energy Policy**. 101, 436 -446.

12. Cansino J.M., Román-Collado R, Ordóñez M. 2016. Main drivers of changes in CO2 emissions in the Spanish Economy. A Structural Decomposition Analysis. **Energy Policy**. 89, pp. 150 -159.
13. Román-Collado R.; Cansino J.M.; Rueda J.M. 2016. A Multi-regional input-output analysis of ozone precursor emissions embodied in Spanish International trade. **Journal of Cleaner Production**. 137, 1382 -1392.
14. Mundaca, Luis; Román-Collado R.; Cansino J.M. 2015. Towards a Green Economy? A Macroeconomic-Climate evaluation of Sweden's CO2 emissions. **Applied Energy**. 148, 196 -209.

## C.2. Research projects and grants

Project: Demanda de Electricidad y Calentamiento Global en España. Un Análisis Sectorial y Territorial Orientado a la Adaptación (RTI2018-096725-B-I00). Ministerio de Ciencia, Innovación y Universidades. 2019 – 2021. Funding Agency: Ministerio de Ciencia, Innovación y Universidades. Main Researchers: **Rocío Román Collado** and Antonio Sánchez Braza. Period: 2019-2021. Amount: 23.958 €.

Project: Calentamiento global y demanda de electricidad del sector residencial y de los sectores productivos en España y Andalucía (US-1260925). Funding Agency: Programa operativo FEDER Andalucía 2014-2020. Junta de Andalucía. Main Researchers: **Rocío Román Collado** and Antonio Sánchez Braza. Period: 2020-2022. Amount: 54.962,50 €

Project: Sharing Behaviour- Behavioural Economics to advance Urban Sharing-Economy initiatives in Sweden (BE-USE). Funding Agency: VINNOVA- Sweden's Innovation Agency. Main Researchers: **Rocío Román Collado** and Luis Mundaca Toro. Period: 2019 – 2021.

Project: Claves para Desacoplar Crecimiento y Emisiones de CO2 en España (ECO2014-56399-R). Funding Agency: Ministerio de Economía y Competitividad. Main Researchers: José Manuel Cansino Muñoz-Repiso and María Pablo-Romero Gil-Delgado. Period: 2015-2018. Amount: 25.410€. Role: Researcher participant

Project: Time series of supply-use tables for europe in nace rev.2, current and previous year prices (1995-2009), IPTS-2012-18-j05-rc-ami, internacional. Funding Agency: European Commission - Joint Research Center. Main researcher: Raul Brey Sanchez. Period: 01/01/2014- 3/11/2014. Amount (EUROS): 99.000. Role: Researcher participant.

Project: Policy intervention for a competitive green energy economy. Financiado por Swedish Energy Agency. Period: 2010-2014. Role: Researcher participant.

Project: Hacia una economía competitiva baja en carbono. Análisis sectorial para la economía chilena (1150025). Funding Agency: FONDECYT Ministerio de Educación de Chile. Main Researcher: José Manuel Cansino Muñoz-Repiso. Period 2015-2018. Amount: 71.000 euros €. Role: Researcher participant.

## C.3. Contracts

Contract: Expert Contract H2020 number CT-EX2018D333651-101. European Commission-JRC. Coordinator: Rocío Román-Collado. Dates: 19/07/2018-29/09/2018. Amount: 5,400€. Role: Research expert.

Contract: Evaluator Contract H2020 number CT-EX2018D333651-101. European Commission. Dates: 01/03/2019 – 31/03/2020. Role: Evaluator Expert.

Contract: Cátedra de Economía de la Energía y del Medio Ambiente (cod. 1394/0103). Coordinator: Cansino-Muñoz-Repiso, Jose Manuel. Universidad de Sevilla\_Fundació Roger Torné. Dates: 02/01/2012 - 01/01/2017. Amount: 60,000€. Role: Participant

Contract: Impacto socio-económico de las energías renovables en Andalucía (cod. 0439/0103). Coordinator: Cansino-Muñoz-Repiso, Jose Manuel. Dates: 02/06/2009-30/07/2009. Amount: 20,822€. Role: Participant

Contract: Agencia Andaluza de la Energía (cod. 0162/0103). Coordinator: Cansino-Muñoz-Repiso, Jose Manuel. Dates: 01/10/2008- 31/12/2008. Amount: 5,000€. Role: Participant

## C.4. Patents

## C.5. Supervisor of Thesis Master

Title: Factores clave del cambio del consumo de energía en España y su desacoplamiento con el crecimiento económico. Un análisis sectorial. Student: José Luis Merchán Huanga. Supervisors: Dra. Rocío Román Collado/Dr. José Manuel Cansino Muñoz-Repiso. **Results: Román, Cansino, Merchán (2019).**

Title: Impacto de la calidad de gobierno, la renta y el progreso tecnológico sobre las emisiones de CO<sub>2</sub>. Un análisis para Latinoamérica. Student: Juan Camilo Molina Parrado. Supervisors: Dra. Rocío Román Collado/Dr. José Manuel Cansino Muñoz-Repiso. **Results: Román, Cansino, Molina (2019).**

Title: Análisis LMDI multiregional del cambio en las emisiones de CO<sub>2</sub> en Latinoamérica. Doctoral student: Any Viviana Morales Carrión. Supervisor: Román-Collado, R. Year: 2016. Score: 9 out of 10. **Results: Román-Collado, R., Morales V. (2018).**

Title: Análisis LMDI sectorial del consumo energético en Colombia. Doctoral student: Christian Camilo Botia Bociga. Supervisors: Román Collado, R. and Cansino Muñoz-Repiso, JM. Year: 2016. Score: 9 out of 10. **Results: Román-Collado R., Cansino J.M., Botia C. (2018).**

Title: Análisis LMDI de las Emisiones de CO<sub>2</sub> en Colombia (1990-2012) y sus Implicaciones Políticas. Doctoral Student: Alejandro Rodas Usuga. Supervisors: Román-Collado, R. and Cansino Muñoz-Repiso, J.M. Year: 2015. Score: 9. Results: **Román-Collado, R., Cansino J.M.; Rodas A. (2018).**

Title: Una valoración económica de las externalidades de las energías renovables en el ámbito del sector eléctrico español. Doctoral student: García Redondo, A. Supervisor: Román, R. Year: 2012. Score: 10 out of 10. **Results: García-Redondo A.; Román-Collado R. (2014).**

## C.6. Ph.D. Supervisor.

Title: Análisis de los determinantes del uso de la demanda energía en España y Andalucía. Doctoral Student: Colinet Carmona, M.J. Supervisor: Román-Collado, R. Date: 13/09/2017. Score: 10 out of 10. Results: **Colinet and Román-Collado (2015), Román-Collado and Colinet (2018a, 2018b).**

Title: Análisis de políticas medioambientales a partir de modelos multisectoriales: el caso de España. Doctoral Student: Ordóñez M. Supervisors: Cansino J.M., Cardenete M.A. and Román-Collado, R. Date: 2011. Score: 10 out of 10. Results: **Cansino J.M., Cardenete M.A., Román-Collado R., Ordóñez M. (2012, 2016).**

Title: Cambios contextuales en el sector eléctrico. Perspectivas del Consumidor, del Regulador y de la Sociedad. Doctoral Student: Arcos, A. Supervisors: Cansino J.M., Núñez, F.; Román-Collado, R. Date: 2019. Score: 10 out of 10. Results: **Arcos, Cansino, Román- Collado R. (2018).**

## C.6, C.7... (e. g., Institutional responsibilities, memberships of scientific societies...)