

Óscar Páramo-Telle

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EDUCATION

PhD in Economics and Business (Industrial Doctorate)

University of Santiago de Compostela (USC) | October 2022 – Present

- **Funding:** Recipient of the competitive Industrial PhD Fellowship awarded by the Regional Government (Xunta de Galicia - GAIN) in collaboration with Adegas Moure S.A.
- **Thesis Topic:** *Industrial Symbiosis in the wine sector value chain: The case of DOP Ribeira Sacra.*
- **Advisor:** Prof. Xavier Vence Deza

MSc in Data Science

Universitat Oberta de Catalunya (UOC) | September 2025 – Present

- **Funding:** Adegas Moure S.A.
- Focus on advanced data analytics and machine learning.

Preparatory Coursework in Data Science Engineering

Universitat Oberta de Catalunya (UOC) | February 2025 – June 2025

- **Focus:** Intensive Computer Science training (24 ECTS) accessing the MSc in Data Science.
- **Average Grade:** 9.05/10 (Distinction).
- **Key Modules:** Fundamentals of Programming (9.7/10); Programming for Data Science (9.2/10); Databases for Data Warehousing (9.0/10); Network Fundamentals (8.3/10).

MSc in Economic Development and Innovation

University of Santiago de Compostela (USC) | September 2021 – September 2022

- **Specialization:** Sustainable development and Circular Economy.
- **Final Grade:** 8.98/10 (Distinction)
- **MSc Dissertation:** *“Waste Electrical and Electronic Equipment (WEEE) from a Circular Economy perspective: Analysis of regulation and evolution in Galicia, Spain, and the European Union” (Grade: 9.5/10 - Distinction)*
- **Honours (*Matrículas de Honor*):** Awarded highest possible honors (top 5% of class) in:
 - o Resources & Sustainable Development (10.0/10)
 - o Applied Research Methods (9.8/10)
 - o Sectoral Structure & Productive System Dynamics (9.4/10)
 - o Accumulation Models & Structural Change (9.2/10)
- **Awards:** Recipient of the *María del Carmen Lorenzo Díaz Award (USC) for the best Dissertation in Natural Resource and Environmental Economics.*

BSc in Economics

University of Santiago de Compostela (USC) | Sept 2017 – Jul 2021

- **BSc Dissertation:** *“Municipal Solid Waste (MSW) in Galicia: Analysis from a Circular Economy perspective” (Grade: 9.4/10 - Honours - Matrícula de Honor)*
- **Awards:** Received the *University-wide Award for Linguistic Quality* (Best dissertation writing in Galician across the University of Santiago de Compostela)

FELLOWSHIPS, GRANTS & FUNDING

Total competitive funding secured: €159,000

Industrial PhD Fellowship (2025 – 2027)

- **Funding Body:** Galician Innovation Agency (GAIN - Xunta de Galicia).
- **Scheme:** Competitive call for Industrial Doctorates in the University System of Galicia.
- **Project:** "An industrial symbiosis model for the Galician wine sector"
- **Amount Awarded:** €124,000.

Travel Grant for International Mobility (2024)

- **Funding Body:** José Otero-Carmela Martínez Foundation.
- **Purpose:** Competitive travel award to present research at the *12th International Conference on Industrial Ecology* in Singapore.
- **Amount Awarded:** €1,000.

Research Grant in Social Sciences (2024)

- **Funding Body:** Provincial Council of A Coruña (Deputación da Coruña).
- **Scheme:** Competitive Research Grants 2024.
- **Project:** "Municipal waste generation in A Coruña municipalities: Key socioeconomic factors for reduction"
- **Amount Awarded:** €10,000.

Postgraduate Research Fellowship (2023 – 2024)

- **Funding Body:** Segundo Gil Dávila Foundation.
- **Scheme:** Competitive aid for postgraduate studies.
- **Project:** "Generation and collection of municipal waste in Galicia".
- **Amount Awarded:** €24,000.

RESEARCH EXPERIENCE

Industrial Predoctoral Researcher | January 2025 – Present

Adegas Moure S.A. & ICEDE Research Group - University of Santiago de Compostela

- **Topic:** Industrial Symbiosis in the Wine Sector (Industrial PhD).
- Leading the field research on by-product valorisation in the Ribeira Sacra region.
- Developing a model to optimize material flows between wineries and auxiliary industries.

Researcher | 2024

Provincial Council of A Coruña & University of Santiago de Compostela (USC)

- **Topic:** Municipal Waste generation and collection in A Coruña (Deputación Grant).
- Conducted regression and random forest analysis to identify socioeconomic drivers of waste generation.
- Authored technical reports proposing reduction strategies for local municipalities.

Economic Researcher | October 2023 (1-month contract)

ICEDE Research Group - University of Santiago de Compostela (USC)

- **Project:** "Analysis of energy-intensive industry in Galicia and design of decarbonization strategies".
- Performed intensive data collection and statistical analysis of industrial waste streams.
- Mapped energy-intensive industries to identify circularity opportunities.

Predocctoral Fellow | 2023 – 2024

ICEDE Research Group - University of Santiago de Compostela (USC)

- **Topic:** Municipal Waste Generation in Galicia (Segundo Gil Dávila Grant).
- Harmonized waste data from different municipal sources for comparative analysis.
- Initiated the doctoral research line on circular economy indicators and econometric analysis.

PUBLICATIONS

Journal Articles:

Páramo-Telle, Ó., & Vence, X. (2025). Socioeconomic factors explaining municipal solid waste generation in Galicia. Similarities and differences between aggregate magnitudes and fractions. *Waste Management*, 201, 114794. <https://doi.org/10.1016/j.wasman.2025.114794>

Manuscripts Under Review & Work in Progress:

Páramo-Telle, Ó., & Vence, X. Circular Economy adoption in the international wine industry: Determinants, drivers, and barriers based on a survey of 103 wineries". [Manuscript in preparation. To be submitted to *Sustainable Futures*, Special Issue: "Unveiling the Technological, Strategic, and Organisational Dimensions of CE in the Wine Industry", Submission expected: January 2026].

Páramo-Telle, Ó., & Vence, X. Industrial symbiosis in the wine value chain: A systematic review of research trends, barriers, and drivers. *Journal of Industrial Ecology* (Special Issue: 2025 ISIE Conference). [Status: Under 2nd Review]

Edited Volumes:

Páramo-Telle, Ó. (Ed.) (2024). [*Libro de actas XIX Jornadas de Economía Crítica: ¿Postcapitalismo, colapso...? Alternativas ante el fin de un modelo de acumulación*](#) [Proceedings of the XIX Critical Economy Conference: Postcapitalism, collapse...? Alternatives to the end of an accumulation model]. Published by Asociación de Economía Crítica (AEC). ISBN: 978-84-09-63503-0.

Working Papers & Monographs:

Páramo-Telle, Ó. (2021). [*Municipal waste and its recycling in Galicia. Analysis from a Circular Economy perspective*](#) (in Galician). *ICEDE Working Paper Series*, 35. [Derived from the award-winning [BSc Dissertation](#)]

Datasets:

Páramo-Telle, Ó., & Devesa Carretero, L. (2025). Dataset of Exhibitors from Wine Paris 2026 [Data set]. *Zenodo*. <https://doi.org/10.5281/zenodo.17581355>

PRESENTATIONS

12th International Conference on Industrial Ecology Singapore, 2025

- "How can Industrial Symbiosis contribute to the Wine Sector? A Systematic Literature Review." [[Oral presentation, page 388](#)]

XIX Critical Economy Conference (Jornadas de Economía Crítica) Santiago de Compostela, 2024

- "Municipal Solid Waste in Galicia: Determinant factors of its generation" (in Galician). [[Oral presentation, 180-182](#)]

XI Meeting of Young Researchers (Encontro da Mocidade Investigadora) Santiago de Compostela, 2024

- "Economic growth and e-waste generation: Dismantling the Environmental Kuznets Curve hypothesis" (in Galician) [[Oral presentation, 267-268](#)]

XXIV World Economy Meeting (Reunión de Economía Mundial) Seville, 2024

- "E-waste generation and economic growth: Analysis of their relationship across 193 countries" (in Spanish). [Oral presentation].

XIV Agri-Food Economics Congress (Congreso de Economía Agroalimentaria) Zaragoza, 2023

- "Beef in the world: Current situation and environmental issues derived from its production and consumption" (in Galician) [[Oral presentation, 307-310](#)]

TEACHING EXPERIENCE

Graduate Teaching Assistant | *University of Santiago de Compostela (USC)*
Academic Year 2025 – 2026

MSc in Economic Development and Innovation:

- Circular Economy (Fall term).
- Economics of Innovation (Fall term).
- Accumulation Models and Structural Change (Fall term).
- Circular and Sustainable Business Models (Scheduled spring term).
- Policies for Circular Economy: Taxation and Finance (Scheduled spring term).

BSc in Business Administration and Management:

- World and European Economic Structure (Fall term).

BSc in Business and Technology:

- New Economy and Technology (Fall term).

ACADEMIC SERVICE & CONFERENCE ORGANISATION

Member of the Organising Committee | XIX Critical Economy Conference
University of Santiago de Compostela, June 2024

- Coordinated logistical organisation and academic scheduling

Career Advisor and Student Mentor | MSc in Economic Development and Innovation
University of Santiago de Compostela, October 2022 - Present

- Provided professional guidance and academic mentoring to graduate students regarding career paths, PhD opportunities, and labor market insertion.

SKILLS & TECHNICAL TRAINING

Technical Skills & Methodologies

- **Data Collection:** Extraction of unstructured data via Web Scraping and APIs.
Design and management of quantitative surveys
- **Data Analysis:** Proficiency in data cleaning and processing. Application of Multiple Regression, Panel Data analysis, Hypothesis Testing, and Machine Learning techniques (e.g. Random Forest).
- **Software:** R, Python, Excel, VOSviewer, SQL

Specialized Training (International Doctoral School - EDIUS)

- Causal inference with machine learning: applications to climate change economics and financial risks, 2024
- Econometric impact evaluation techniques, 2024
- Systematic literature review & bibliometric analysis with VOSviewer, 2024
- Statistics and visualization with R, 2024
- Spatial analysis and spatial econometrics with R, 2024
- Research and getting it published, 2023
- How to prepare an academic career, 2023

OTHER EXPERIENCE & VOLUNTEERING

- **Volunteer**, Emmaus Cambridge, UK (August 2024)
Social services and community support.
- **Coordinator of Leisure Activities**, Federación MarCha Compostela (2019 – 2023)
Team coordination and event management.
- **Private Tutor**, Cáritas Española (2018 – 2019)
Academic support for primary and secondary education.

LANGUAGES:

- **Spanish:** Native
- **Galician:** Native (Award for University-wide Best BSc Dissertation)
- **English:** Advanced (C1 Level)
- **Portuguese:** Professional Working Proficiency