MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES

Cofinanciado por la Unión Europea

AGENCIA ESTATAL DE INVESTIGACIÓN

CURRICULUM VITAE ABREVIADO (CVA)

Part A. PERSONAL INFORMATION

First name	Javier		
Family name	Carrillo Hermosilla		
Gender (*)	M	Birth date (dd/mm/yyyy)	15/09/1970
Social Security, Passport, ID number	08990610W		
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Open Researcher and Contributor ID (ORCID)		0000-0002-5566-8847	

A.1. Current position

Position	Full Professor (CU de Universidad)		
Initial date	24/06/2019		
Institution	Universidad de Alcalá (UAH)		
Department/Center	Economía y Dirección de Empresas		
Country	Spain	Teleph. number	+34 91 8855000
Key words	eco-innovation; circular economy; sustainability transitions		

A.2. Previous positions

Period	Position/Institution/Country/Interruption cause
2023-present	Lead Researcher, Research Group on Eco-innovation and Circular Economy, UAH
2022-2024	Strategic Planning Director, UAH
2018	Visiting Professor, Shanghai International Studies University, China
2017	Visiting Researcher, Spanish National Research Council (CSIC)
2016-2023	Lead Researcher, Complex Systems in Social Sciences Research Group, UAH
2012-2019	Associate Professor, UAH
2008-2012	Head of Department, Economic Environment of Business, IE Business School (IE B.S.).
2008	Visiting Researcher, University of Cambridge, UK
2005-2012	Associate Professor, IE B.S.
2003-2008	Co-founder and Director, Centre for Eco-Intelligent Management, IE B.S
2002-2005	Assistant Professor, IE B.S.
1997-2002	Teaching Fellow, IE B.S

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
PhD in Economics, Summa Cum Laude	Universidad de Alcalá, Spain	2003
MBA, with Honors	IE Business School, Spain	1996
BSc in Economic and Business Sciences	Universidad de Alcalá, Spain	1994

Part B. CV SUMMARY

I am a Full Professor in the Department of Economics and Business at the University of Alcalá (UAH), Spain. I hold a positive evaluation of four consecutive six-year research periods (2001–2024) awarded by Spain's national research assessment agency (CNEAI). At UAH, I am the founder and lead researcher of the Research Group on Eco-innovation and Circular Economy and a Research Associate of the UAH–Banco Santander Chair of Corporate Social Responsibility.

From 2008 to 2012, I served as Chair of the Economics Department at IE Business School, where in 2003 I co-founded, together with Prof. Gregory C. Unruh, the pioneering Center for Eco-Intelligent Management under the chairmanship of William McDonough, widely known as the "father of the Circular Economy." I have also been a Visiting Researcher at the University of Cambridge and at the Spanish National Research Council (CSIC), a Visiting Professor at Shanghai International Studies University, and an Independent Expert for the European Commission, the OECD, and the Spanish Government.

My research focuses on sustainable technological change and on new policy and management models addressing environmental challenges through eco-innovation and the circular economy. This work has been funded by three consecutive nationally competitive research projects—one as Principal Investigator (ECO2009-07237, ECO2012-30932, and CS02012-36170, AEI/ERDF, EU)—as well as by two European projects (H2020-770356 and FP7-044287).

I have contributed to defining the conceptual foundations of eco-innovation through works such as *Eco-Innovation: When Sustainability and Competitiveness Shake Hands* (Palgrave Macmillan, 2009) and "Diversity of Eco-Innovations" (*Journal of Cleaner Production*, 2010). Recent bibliometric studies (e.g., López-Pérez et al., 2023; Paipa-Sanabria et al., 2024; Gregán et al., 2025) position me among the most influential authors in this field. My scientific trajectory began to consolidate with the publication of the 2009 book—co-authored with Pablo del Río and Totti Könnölä—which offered an integrative conceptualization of eco-innovation at a time when the field was still emergent. The book has since been recognized as a key reference and is used as a textbook in universities such as Sussex (UK), Ferrara (Italy), CIECAS (Mexico), and the University of Tokyo (Japan). I later expanded this framework in my 2010 article, designated a "Highly Cited Paper" by ISI Web of Science.

Motivated by the academic interest generated by these early contributions, I and my team have further advanced this research agenda using diverse methodological approaches. Our publications analyze how firms incorporate eco-innovation and circularity into corporate strategy, how managers can identify the specific nature and demands of each eco-innovation, and how organizations can prioritize capability development and stakeholder involvement to ensure successful implementation. This expertise has led to consulting engagements for organizations such as Ernst & Young, PricewaterhouseCoopers, Nordic Energy Research, VTT Technical Research Centre of Finland, and the World Business Council for Sustainable Development.

My research has also informed public policy. Several of my publications formed the basis of my contribution to the Panel of Experts on Industrial Sustainability in Spain (2017), convened by the Spanish Ministry of Industry to support the Strategic Framework for Spanish Industry. Our work has also guided policy recommendations for institutions such as the Study Commission for the Recovery and Promotion of Economic and Social Activity of the Community of Madrid (2020) and the Inter-American Development Bank (2021).

In addition to my academic output, I actively contribute to public debate on sustainability, with more than one hundred media appearances, including articles, interviews, and quotations in the *Wall Street Journal*, *Financial Times*, BBC Radio, TVE, Antena 3, *Universia Knowledge@Wharton*, *Forbes*, *Actualidad Económica*, *Expansión*, and *Cinco Días*, among others. I am also a frequent speaker at conferences on corporate social responsibility, environmental management, and innovation management.

Part C. RELEVANT MERITS

C.1. Publications (selected)

- Rafael Mora-Contreras; Javier Carrillo-Hermosilla. 2025. Revealing the Effects of Circular Economy, Eco-Innovation and Industry 4.0 on Sustainability Performance and Competitive Advantage in Manufacturing Companies. Sustainable Development, 33 (S1): 1249-1270. 10.1002/sd.70075
- Rafael Mora-Contreras; Javier Carrillo-Hermosilla; Giovanni Hernández-Salazar; Luz Elba Torres-Guevara; Andrés Mejia-Villa; Marta Ormazabal. 2025. Eco-innovation for circular economy and sustainability performance: Insights and evidence from manufacturing firms. Business Strategy and the Environment, 34(1): 1231-1256. 10.1002/bse.4046
- Valery Chistov; Javier Carrillo-Hermosilla; Nekane Aramburu. 2023. Open eco-innovation: Aligning cooperation and external knowledge with the levels of eco-innovation radicalness. Journal of Open Innovation: Technology, Market, and Complexity. 9, pp. 1-15. 10.1016/j.joitmc.2023.100049
- Valery Chistov; Nekane Aramburu; Javier Carrillo-Hermosilla, 2021. Open eco-innovation: A bibliometric review of emerging research. Journal of Cleaner Production, 2021, 311. 10.1016/j.jclepro.2021.127627
- Pablo del Río; Christoph P. Kiefer; Javier Carrillo-Hermosilla; Totti Könnölä. 2021. The Circular Economy: Economic, Managerial and Policy Implications. (Swiss) Springer. ISBN 978-3-030-74791-6.
- Christoph P. Kiefer; Pablo del Río; Javier Carrillo-Hermosilla. 2019. Drivers and barriers of eco-innovation types for sustainable transitions: A quantitative perspective. Business Strategy and the Environment. 28, pp. 155-172. 10.1002/bse.2246
- Alberto Peralta; Javier Carrillo-Hermosilla; Fernando Crecente. Sustainable business model innovation and acceptance of its practices among Spanish entrepreneurs. Corporate Social Responsibility and Environmental Management, 2019, 26 (5): 1119-1134. 10.1002/csr.1790
- Christoph P. Kiefer; Javier Carrillo-Hermosilla; Pablo del Río; Francisco Javier Callealta Barroso. 2017. Diversity of eco-innovations: A quantitative approach. Journal of Cleaner Production. 166, pp. 1494-1506. 10.1016/j.jclepro.2017.07.241
- Pablo del Río; Javier Carrillo-Hermosilla; Totti Könnölä; Mercedes Bleda. 2016. Business strategies and capacities for successful eco-innovation. Technological and Economic Development of Economy. 22/2, pp. 274-292. 10.3846/20294913.2015.1070301
- Pablo del Río; Javier Carrillo-Hermosilla; Totti Könnölä. 2010. Policy strategies to promote eco-innovation: An integrated framework. Journal of Industrial Ecology. 4/14, pp. 541-557. 10.1111/j.1530-9290.2010.00259.x
- Javier Carrillo-Hermosilla; Pablo del Río; Totti Könnölä. Diversity of eco-innovations: Reflections from selected case studies. Journal of Cleaner Production. 10-11/18, pp. 1073-1083. 2010. 10.1016/j.jclepro.2010.02.014
- Gregory Unruh; Javier Carrillo Hermosilla. Globalizing Carbon Lock-in. 2006. Energy Policy. 10/34, pp. 1185-1197. 10.1016/j.enpol.2004.10.013
- Javier Carrillo-Hermosilla. 2006. A policy approach to the environmental impacts of technological lock-in. Ecological Economics. 4/58, pp. 717-742. 10.1016/j.ecolecon.2005.04.007
- Javier Carrillo-Hermosilla; Pablo del Río; Totti Könnölä. 2009. Eco-innovation: When Sustainability and Competitiveness Shake Hands. (UK) Palgrave Macmillan. ISBN 978-0-230-20206-1

C.2. Congress (selected)

- Del Río, P.; Christoph, K.; Carrillo-Hermosilla, J. “Research on Firm Lock-in in the Circular Economy Transition.” XXXVI ISPIM Innovation Conference, 15-18 June 2025, Bergen, Norway. Oral presentation.

- De Oliveira, D.; Carrillo-Hermosilla, J.; Kiefer, C.P., Moyano-Fuentes, J. and Maqueira-Marín, J.M. “Antecedents of circular economy performance: Empirical evidence from Spanish supply chains.” *11th EurOMA Sustainable Operations and Supply Chains Forum*, 4-5 March 2024, KLU, Hamburg, Germany. Oral presentation.
- Valery Chistov; Javier Carrillo Hermosilla; Nekane Aramburu. “Open and Radical: How Cooperation and External Knowledge Affect the Radicalness of Eco-innovation.” *8th International Conference on New Business Models NBM2023*. Maastricht, Holland. 22/06/2023 - 23/06/2023. Oral presentation.
- Rafael Mora Contreras; Javier Carrillo Hermosilla; Laura Cristina Ramírez Rodríguez; Luz Elba Torres Guevara; Andrés Mejía Villa. “Circular economy, cleaner production, and environmental management: A longitudinal study to assess the companies' sustainability performance in an emerging economy.” *4th Symposium on Circular Economy and Sustainability*. Heraklion, Grecia. 09/06/2023-21/06/2023. Oral presentation.
- Alberto Andrés Peralta Bellmont; Luis Rubalcaba Bermejo; Javier Carrillo Hermosilla. “How governance paradigms and other drivers affect public managers acceptance of innovation practices.” *80th Annual Meeting of the Academy of Management*. Vancouver, Canadá. 07/08/2020 - 11/08/2020. Oral presentation.
- Christoph P. Kiefer; Javier Carrillo Hermosilla; Pablo del Río. “Building a taxonomy of eco-innovation types in firms: A quantitative perspective.” *European Society for Ecological Economics (ESEE) Conference*. Turku, Finlandia. 18/06/2019 - 21/06/2019. Oral presentation. Oral presentation.
- Alberto Peralta; Javier Carrillo Hermosilla; Fernando Javier Crecente Romero. “Triple bottom line goals and acceptance of business model eco-innovation methods: Factors from an empirical research on Spanish entrepreneurs.” *78th Annual Meeting of the Academy of Management (AOM)*. Chicago, Estados Unidos de América. 10/08/2018 - 14/08/2018. Oral presentation.
- Christoph P. Kiefer; Javier Carrillo Hermosilla; Pablo del Río. “Drivers and barriers of different eco-innovation types in firms: A quantitative, resource-based perspective.” *The 24th International Sustainable Development Research Society (ISDRS) Annual Conference*. Messina, Italia. 13/06/2018 - 15/06/2018. Oral presentation.
- Javier Carrillo Hermosilla; Pablo del Río; Christoph P. Kiefer; Francisco Javier Callealta Barroso. “Towards a better understanding of the concept of eco-innovation.” *22nd International Sustainable Development Research Society Conference (ISDRS)*. Lisboa, Portugal. 13/07/2016 - 15/07/2016. Oral presentation.

C.3. Research projects

- H2020-2017-CULT-COOP-Co-VAL-770356 “Understanding Value Co-creation In Public Services for Transforming European Public Administrations (Co-VAL).” Commission of The European Communities Joint Research Centre. H2020. PI: Luis Rubalcaba Bermejo, Universidad de Alcalá. 2017 – 2021. Cuantía total: 467.500 €. Researcher.
- CSO2016-74888-C4-4-R “Atracción de talento, innovación y creatividad para el desarrollo inteligente de la ciudad-región de Madrid.” Ministerio de Economía, Industria y Competitividad. Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad. PI: Simón Guillermo Sánchez Moral, Universidad Complutense. 30/12/2016 - 29/12/2020. 14.520 €. Researcher.
- ECO2012-30932 “Incertidumbre, Innovación y Entrepreneurship.” Ministerio de Economía y Competitividad. Convocatoria de ayudas de Proyectos de Investigación Fundamental no orientada. PI: Julio O. de Castro Campbell, IE University. 01/01/2013 - 31/12/2015. 40.500 €. Researcher.
- ECO2009-07237/ECON “Competitividad y Sostenibilidad a través de la Eco-Innovación: Caracterización, Barreras, Políticas y Estrategias Empresariales.” Ministerio de Ciencia e Innovación. Convocatoria de ayudas de Proyectos de Investigación Fundamental no orientada. PI: Javier Carrillo Hermosilla. 01/01/2010 - 31/12/2012. 27.225 €. PI.
- 044287 “Technology-Oriented Cooperation and Strategies in India and China: Reinforcing the EU dialogue with Developing Countries on Climate Change Mitigation

(TOCSIN)." 6th EU Research Framework Programme. PI: Philippe Thalmann, University of Cambridge. 01/01/2007 – 31/19/2009. 1.069.000 €. Researcher.

C.4. Contracts, technological or transfer merits

- "Estudio sobre las áreas clave en el desarrollo del vehículo autónomo." REPSOL ENERGY VENTURES SA. PI: Javier Carrillo Hermosilla, Universidad de Alcalá. 07/02/2019, 3 years. 152.460 €.
- "El sector Retail como motor de cambio hacia la sostenibilidad de la producción y el consumo." Ernst & Young. PI: Javier Carrillo Hermosilla, Universidad de Alcalá. 1/04/2012, 7 months. 7.000 €.
- "Hacia una Empresa Baja en Carbono." Gas Natural Fenosa. PI: Javier Carrillo Hermosilla, IE Business School. 17/05/2010, 10 months. 51.259 €.
- "Hacia una Economía Sostenible: Concepto, Vectores de Cambio y Experiencias." PRICEWATERHOUSE COOPERS. PI: Javier Carrillo Hermosilla, IE Business School. 01/10/2009, 2 months. 10.800 €.
- "Governance and Research of Nordic Energy System Transition (GoReNEST)." Nordic Energy Research. PI: Javier Carrillo Hermosilla, IE Business School. 01/10/2007, 1 year. 85.800 €
- "Experiencias de Éxito en la Internacionalización de la Empresa Española." INSTITUTO ESPAÑOL DE COMERCIO EXTERIOR (ICEX). PI: Javier Carrillo Hermosilla, IE Business School. 15/11/2006, 5 months. 15.000 €.
- "El Papel de la Ingeniería como Motor de la Eco-Innovación en Europa." Fundación Ingeniería y Sostenibilidad. PI: Javier Carrillo Hermosilla, IE Business School. 01/10/2006, 6 months. 18.000 €.
- "El Entorno Competitivo del Sector Eléctrico Europeo en los Escenarios Post-Kioto." PRICEWATERHOUSE COOPERS. PI: Javier Carrillo Hermosilla, IE Business School. 15/03/2006, 8 months. 14.000 €.