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Evaldo Costa

Integrated Researcher

DINÂMIA'CET-Iscte - Centre for Socioeconomic Change and Territorial Studies (ECSH)
[Innovation and Labour]



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Curriculum

Evaldo Costa embodies a rich tapestry of expertise as a professor and interdisciplinary postdoctoral researcher. With a solid foundation in Environmental Sciences and Environmental Engineering, he holds a dual Ph.D. in Climate Change and Sustainable Development Policies from NOVA University of Lisbon, Portugal, and a Ph.D. in Business Economics from Vrije Universiteit Brussel, Brussels, Belgium. At the core of Evaldo's professional journey lies a dedicated focus on sustainable transition pathways. His research delves into the intricacies of facilitating the decarbonization of the economy. This involves reinforcing renewable energy sources (RES), electric mobility, leveraging advanced industrial technologies, and orchestrating sustainable mechanisms and innovation processes. The ultimate goal is to expedite the decentralization, digitization, and democratization of the energy system. Evaldo's academic repertoire is marked by a diverse array of theories explored and a versatile toolkit of methods and techniques applied. His prior research has delved into renewable sources such as solar and wind, electric mobility, and industrial considerations. This encompasses nuanced aspects like business model innovation, CO2 emissions inventory, energy balance assessments, and the formulation of public policies to overcome socio-technical barriers. His international footprint is substantial, engaging in collaborative research endeavors across North America (USA), Europe (Belgium, Ireland, Portugal, United Kingdom), and South America (Brazil). This global perspective is further accentuated by his publications in top/peer-reviewed journals and presentations at international conferences spanning Europe, North America, South America, and Africa. Evaldo is not only a researcher but also a vital contributor to the academic community. His role as a European Commission Industry 5.0 project member, and a reviewer for esteemed journals, membership in a Ph.D. supervisory board, and the cultivation of a robust international scientific relationship network showcase his commitment to scholarly exchange. Before transitioning to the research domain, Evaldo's journey encompassed several years as a prominent role as an international automotive industry leader and consultant, and an invited university professor. This dual perspective uniquely positions him to bridge the gap between academia and practical industry insights. In every facet of his career, Evaldo Costa remains steadfast in his hope and commitment to contributing to a more sustainable and better world.

Research Interests

Energy Transition

Climate Change

Electric mobility

Energy Policy

Climate Policy

Business Model Innovation

Academic Qualifications

University/Institution	Type	Degree	Period
Universidade Nova de Lisboa - Faculdade de Ciências e Tecnologia	PhD	Climate Change and Sustainable Development Policies	2019
Vrije Universiteit Brussels (VUB)	PhD	Business Economics	2019
Fundação Getúlio Vargas (FGV)	M.Sc.	Business management	2000

External Professional Activities

Period	Employer	Country	Description
Since 2023	European Commission	Belgium	Research and innovation
Since 2020	Universidade Estadual de Campinas (UNICAMP)	Brazil	
Since 2019	NOVA University of Lisbon	Portugal	
2018 - 2018	Faculdade de Ciências e Tecnologia da Universidade de Lisboa	Portugal	
2017 - 2017	Environmental Research Institute (ERI)	Ireland	
2015 - 2016	Vrije Universiteit Brussel (VUB)	Belgium	
2014 - 2015	University Of California (UC Davis)	United States of America	
2004 - 2012	Instituto das Concessionarias do Brasil (ICBR)	Brazil	Consultant
2003 - 2004	Universidade Federal Fluminense (UFF)	Brazil	
2001 - 2002	Fundacao Getulio Vargas (FGV)	Brazil	

1999 - 2000	Universidade Candido Mendes	Afghanistan	
1999 - 1999	Centro Universitário (UniCarioca)	Afghanistan	
1998 - 1998	Pontifícia Universidade Católica do Paraná, Londrina (PUCPR)	Brazil	
1997 - 1997	Centro Universitario UNA	Afghanistan	
1996 - 1996	Universidade Estadual de Londrina	Brazil	
1995 - 1995	Fundacao Armando Alvares Penteado (FAAP)	Brazil	

Supervisions

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Sofia Miao Lin	Sustainability Analysis: Electric Vehicles versus Internal Combustion Vehicles	--	Developing	ISCTE-IUL
2	Carlos João Mendonça de Velosa	Future of transport	--	Developing	ISCTE-IUL

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Bárbara Mendes Tavares	Waste management of electric road vehicle batteries in the European context	Portuguese	ISCTE-IUL	2023

Total Citations

Web of Science®	104
Scopus	134

Publications

• Scientific Journals

- Scientific journal paper

1	Costa, E. (2024). Industry 5.0 and SDG 9: A symbiotic dance towards sustainable transformation. <i>Sustainable Earth Reviews</i> . 7 - Times Cited Google Scholar: 8
2	Costa, E., Fontes, M. & Bento, N. (2023). Transformative Business Models for decarbonization: Insights from prize-winning start-ups at the Web Summit . <i>Sustainability</i> . 15 (18) - Times Cited Web of Science®: 1 - Times Cited Scopus: 2 - Times Cited Google Scholar: 3
3	Sousa, C. & Costa, E. (2022). Types of policies for the joint diffusion of electric vehicles with renewable energies and their use worldwide. <i>Energies</i> . 15 (20) - Times Cited Web of Science®: 3 - Times Cited Scopus: 5 - Times Cited Google Scholar: 9
4	Costa, E., Teixeira, A. C. R., Costa, S. C. S. & Consoni, F. L. (2022). Influence of public policies on the diffusion of wind and solar PV sources in Brazil and the possible effects of COVID-19. <i>Renewable and Sustainable Energy Reviews</i> . 162 - Times Cited Web of Science®: 10 - Times Cited Scopus: 12 - Times Cited Google Scholar: 16
5	Costa, E., Wells, P., Wang, L. & Costa, G. (2022). The electric vehicle and renewable energy: Changes in boundary conditions that enhance business model innovations. <i>Journal of Cleaner Production</i> . 333 - Times Cited Web of Science®: 27 - Times Cited Scopus: 32 - Times Cited Google Scholar: 54
6	Costa, E., Horta, A., Correia, A., Seixas, J., Costa, G. & Sperling, D. (2021). Diffusion of electric vehicles in Brazil from the stakeholders' perspective. <i>International Journal of Sustainable Transportation</i> . 15 (11), 865-878 - Times Cited Web of Science®: 17 - Times Cited Scopus: 17 - Times Cited Google Scholar: 40
7	Costa, E., Arthur Paiva, Julia Seixas, Gustavo Costa, Patricia Baptista & Brian O Gallachoir (2018). Spatial Planning of Electric Vehicle Infrastructure for Belo Horizonte, Brazil. <i>Journal of Advanced Transportation</i> . 2018, 1-16 - Times Cited Web of Science®: 14 - Times Cited Scopus: 16 - Times Cited Google Scholar: 32
8	Costa, E., Julia Seixas, Patricia Baptista, Gustavo Costa & Thomas Turrentine (2018). CO2 emissions and mitigation policies for urban road transportation: Sao Paulo versus Shanghai. <i>urbe. Revista Brasileira de Gestão Urbana</i> . 10 (suppl 1), 143-158 - Times Cited Web of Science®: 9 - Times Cited Scopus: 9 - Times Cited Google Scholar: 16
9	Costa, E., Julia Seixas, Gustavo Costa & Thomas Turrentine (2017). Interplay between ethanol and electric vehicles as low carbon mobility options for passengers in the municipality of São Paulo. <i>International Journal of Sustainable Transportation</i> . 11 (7), 518-525 - Times Cited Web of Science®: 18 - Times Cited Scopus: 19 - Times Cited Google Scholar: 28

- Book author

1	Costa, E. (2011). Como Garantir Três Vendas Extras Por Dia. Rio de Janeiro. Elsevier.
2	Costa, E. (2005). Como Garantir Três Vendas Extras Por Dia. Rio de Janeiro. Elsevier.

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Costa, E., Lieselot Vanhaverbeke, Thierry Coosemans, Julia Seixas, Maarten Messagie & Gustavo Costa (2019). Optimizing The Location Of Charging Infrastructure For Future Expansion Of ElectricVehicle In Sao Paulo, Brazil. In 2019 IEEE International Smart Cities Conference (ISC2). (pp. 632-637). Casablanca, Morocco: IEEE. - Times Cited Web of Science®: 5 - Times Cited Scopus: 5 - Times Cited Google Scholar: 7
2	Costa, E., Arthur Paiva, Julia Seixas, Patricia Baptista, Gustavo Costa & Brian O Gallachoir (2017). Suitable Locations for Electric Vehicles Charging Infrastructure in Rio De Janeiro, Brazil. In 2017 IEEE Vehicle Power and Propulsion Conference (VPPC). (pp. 1-7). Belfort: IEEE. - Times Cited Google Scholar: 13
3	Costa, E. & Seixas, J. (2014). Contribution of electric cars to the mitigation of CO2 emissions in the city of São Paulo. In IEEE Xplore (Ed.), 2014 IEEE Vehicle Power and Propulsion Conference (VPPC). (pp. 1-5). Coimbra: IEEE. - Times Cited Scopus: 17 - Times Cited Google Scholar: 30

- Talk

1	Costa, E., Bento, N. & Fontes, M. (2023). Elementos-chave dos modelos de negócio transformadores para a sustentabilidade. Terceiro encontro dos bolseiros.
2	Costa, E., Bento, N. & Fontes, M. (2023). Transformative business models for decarbonization—The case of Web Summit award-winning start-ups. ECIE, European Conference on Innovation & Entrepreneurship, Porto, Portugal, September 21-22, 2023.
3	Bento, N., Fontes, M. & Costa, E. (2023). From sustainability transitions to system transformations—Towards a theory of transformative change. 6º Encontro Anual de Economia Política, Universidade de Trás-os-Montes e Alto Douro, Vila Real, January 26-28, 2023.
4	Bento, N., Fontes, M. & Costa, E. (2023). How innovations lead to structural change: Elements for a theory of system transformation. DRUID23 NOVA School of Business and Economics, Lisbon, June 10- 12, 2023.
5	Bento, N., Fontes, M. & Costa, E. (2023). How innovations lead to structural change—Elements for a theory of system transformation. 7th Workshop of DINÂMIA’CET-IUL “Dinâmicas Socioeconómicas e Territoriais Contemporâneas – Rumos da Investigação Num Mundo em Transformação, Lisbon, May 22-23, 2023.
6	Costa, E., Fontes, M. & Bento, N. (2023). Towards Sustainable Business Models: Exploring Transformative Pathways for Decarbonization. 7a Edição workshop Dinâmia ´Cet: rumos da investigação num mundo em transformação .

7	Costa, E., Bento, N. & Fontes, M. (2023). Transformative Business Models for Decarbonization: The Case of Web Summit Award-Winning Start-ups. Sus2Trans.
8	Costa, E. (2022). The challenges and contributions of transport electrification to accelerate sustainability transitions. 3rd Asia Pacific Conference on Industrial Engineering and Operations Management.
9	Costa, E. (2022). The electric vehicle and renewable energy: Changes in boundary conditions that enhance business model innovations. 2nd GLOBAL SUMMIT ON ADVANCES IN EARTH SCIENCE & CLIMATE CHANGE.
10	Costa, E., Bento, N. & Fontes, M. (2022). From sustainability transition to system transformation: Elements for a conceptual framework of transformative change. Workshop Sus2Trans.

- Conference paper not in proceedings

1	Costa, E., Fontes, M. & Bento, N. (2023). Transformative Business Models for Decarbonization. 18th European Conference on Innovation and Entrepreneurship.
2	Bento, N., Fontes, M. & Costa, E. (2022). From sustainability transitions to system transformations—Towards a theory of transformative change. 13th International Sustainability Transitions Conference 2021, online, November 21-25.

• Other Publications

- Working Papers

1	Costa, E. (2017). Carros Elétricos. Working Paper. - Times Cited Google Scholar: 3
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- Other publications

1	Costa, E. (2022). RENEWABLES 2022: GLOBAL STATUS REPORT. REN21. 01-312
2	Costa, E. (2022). A Escalada do Clima. A Escalada do Clima - Ed. 40.
3	Costa, E., Julia Seixas, Patricia Baptista, Gustavo Costa & Thomas Turrentine (2018). CO2 emissions and mitigation policies for urban road transportation: Sao Paulo versus Shanghai. Abstract This paper compares the energy consumption, CO2 emissions and public policies of two mega-cities, Sao Paulo (SP) and Shanghai (SH), in order to identify their GHG emissions mitigation policies. Both cities have experienced rapid growth of the automotive sectors resulting in sizable pollution and CO2 emission challenges. SP has successfully implemented the ethanol and encouraged the growth.

- Master's Dissertation

1	Costa, E. (2001). Os impactos da internet no varejo automobilístico brasileiro.
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- Doctoral Thesis

1	Costa, E. (2019). Mass Introduction of Electric Passenger Vehicles in Brazil: Impact Assessment on Energy Use,
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	Climate Mitigation and on Charging Infrastructure Needs for Several Case Studies. - Times Cited Google Scholar: 11
2	Costa, E. (2019). Mass introduction of electric passenger vehicles in Brazil: impact assessment on energy use, climate mitigation and on charging infrastructure needs for several case studies. - Times Cited Google Scholar: 8

Research Projects

Project Title	Role in Project	Partners	Period
Supporting European R&I Through stakeholder collaboration and institutional reform	Researcher	BRU-Iscte (Data Analytics), ISTAR-Iscte (IS), DINAMIA'CET-Iscte (IL)	2024 - 2027
2024	Sustainable Transformative Transitions (Sus2Trans)—Conciliate Accelerated Low Carbon Transitions with System Transformations	Researcher	DINAMIA'CET-Iscte (IL) - Leader, IGOT - (Portugal), IESCIDL - (Portugal), IPV - (Portugal), LNEG - (Portugal)

Awards

IEOM Society of Malaysia: Sustainability Awards (2022)

Organization/Coordination of Events

Type of Organization/Coordination	Event Title	Organizer	Year
Member of scientific event committee	18th European Conference on Innovation and Entrepreneurship	ECIE 2023	2023
Member of scientific event's organizing committee	Consulting day with Ron Boschma: Presentation of works on decarbonization	Dinâmia ' Cet-Iscte Sus2Trans project	2023
Member of scientific event's organizing committee	Fifth meeting of fellows Sus2Trans project	Dinâmia ' Cet-Iscte Sus2Trans project	2023
Member of scientific event's organizing committee	Fourth meeting of Sus2Trans project fellows	Dinâmia ' Cet-Iscte Sus2Trans project	2023
Member of scientific event's organizing committee	Third meeting of Sus2Trans project fellows	Dinâmia ' Cet-Iscte Sus2Trans project	2023

Member of scientific event's organizing committee	Second meeting of Sus2Trans project fellows	Dinâmia ´ Cet-Iscte Sus2Trans project	2022
Member of scientific event's organizing committee	First meeting of Sus2Trans project fellows	Dinâmia ´ Cet-Iscte Sus2Trans project	2022
Member of scientific event's organizing committee	Workshop Sus2Trans	Dinâmia ´ Cet-Iscte Sus2Trans project	2022

Diffusion Activities

Activity Type	Event Title	Activity Description	Year
Talk/Conference in public diffusion event	18th European Conference on Innovation and Entrepreneurship ECIE 2023	Presentation of work from the Sus2Trans project on business models for decarbonization.	2023
Member of organizing committee of knowledge diffusion event	18th European Conference on Innovation and Entrepreneurship (ECIE 2023)	Conference Chair (Entrepreneurship Panel)	2023
Talk/Conference in public diffusion event	3rd Asia Pacific Conference on Industrial Engineering and Operations Management (IEOM), Johor Bahru, Malaysia	Speaker at Technoprenurship Panel under the title of "The challenges and contributions of transport electrification to accelerate sustainability transitions"	2022
Talk/Conference in public diffusion event	GLOBAL SUMMIT ON ADVANCES IN EARTH SCIENCE AND CLIMATE CHANGE	Distinguished Speaker Talks under the title "The electric vehicle and renewable energy: Changes in boundary conditions that enhance business model innovations"	2022