

EUROPEAN
CURRICULUM
VITAE
FORMAT



PERSONAL INFORMATION

Name **Macário, Rosário (Maria do Rosário Mauricio Ribeiro Macário)**
Nationality **Portuguese**
Date and Place of Birth **24th October 1959, Lisboa, Portugal**

EDUCATION

- 2011** Habilitation (DSc, Doctor of Science) in Civil Engineering at Instituto Superior Técnico (IST), Technical University of Lisbon, July, Portugal
- 2005** PhD in Transportation Systems at Instituto Superior Técnico (IST), Technical University of Lisbon, November, Portugal
- 1995** Master Degree in Transportation at Instituto Superior Técnico (IST), Technical University of Lisbon, February, Portugal
- 1987** Graduation in Business Economics and Management in Instituto Superior de Ciências do Trabalho e da Empresa (ISCTE), July, Lisbon, Portugal
- 1987** Chartered Economist (Order of Economists, Portugal), July.
- 1983** Flight Operations Officer (License 344/OOV/1 ICAO-DGAC)

SCIENTIFIC IMPACT

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WORK EXPERIENCE

Main positions

- 2025/...** Coordinator of Scientific Area of Systems, Urbanism, Territory, Transport and Environment
- 2024/...** Vice-President of CITUA, Research Center for Innovation, Territory, Urbanism and Architecture, leading lab PPOL – Public Policies for Territorial Reestructuring
- 2024/...** Full Professor of Planning, Urbanism and Environment, Department of Civil Engineering, Architecture and Georesources of Instituto Superior Técnico, Universidade de Lisboa

2024/...	Joined CITUA - Research Center for Innovation, Territory, Urbanism and Architecture, leading the Transport Research Group
2023/...	Advisor to the Portuguese Bank of Development (Banco Português de Fomento)
2022/2024	Coordinator for airport planning and development in the technical independent commission for the enlargement of the aeronautical capacity of the region of Lisbon
2021/...	Advisor of the ART – Italian Regulatory Authority for Transport
2021/2024	Member of the Instituto Superior Técnico Faculty School Assembly.
2020 /...	Coordinator of EIT Urban Mobility for the University of Lisbon (core partner of EIT UM)
2019/...	Editorial board member of Journal of Engineering and Applied Science (JEAS), published by Springer
2018/ 2020	Director of the Research Group in Transport System at CERIS
2018/...	Founder and President of the Association “IASA – Institute for Advanced Studies and awareness”, an international non-profit entity, dedicated to transfer of knowledge professional capacitation and citizen awareness for sustainability
2018/...	Co-coordinator of RED-Move at the University of Lisboa (the Network gather 18 Schools within the University of Lisboa)
2018/2022	Editorial Board Member of Journal of Mega Infrastructure Projects and Sustainable Development published by Routledge
2017/...	Editorial Board Member of the Journal of Transportation and Health published by Elsevier
2016/...	Coordinator of the Industry – University collaboration agreement between Hitachi Rail (former THALES Group) and IST
2016 / 2022	Representative of the Council of Rectors of Portuguese Universities in the Advisory Board of Lisbon Airport, ANA.
2016/2018	Vice-President of CERIS – Civil Engineering Institute for Research and Innovation for Sustainability, at Instituto Superior Técnico, Universidade de Lisboa.
2015/2018	President of CESUR – Research Center for Urban and Regional Systems, at Instituto Superior Técnico, Universidade de Lisboa
2015/2024	Guest Full Professor of Air Transport and Research Methodologies, at Department of Transport and Regional Development of the Faculty of Applied Economics at the University of Antwerp, Belgium
2013/2024	Associate Professor (with Habilitation, DSc) of Transport Systems and Infrastructures - Department of Civil Engineering, Architecture and Georesources of Instituto Superior Técnico, Universidade de Lisboa
2014/...	Chair of Distance Learning Sub-Committee in the Steering Committee of the WCTRS – World Conference for Transportation Research Society
2013 /2018	Scientific Advisor of the program H2020 of the European Commission Chair of International Relations Sub-Committee in the Steering Committee, of the WCTRS –

	World Conference for Transportation Research Society
2013/...	Member of the Scientific and Steering Committee, of the WCTRS – World Conference for Transportation Research Society
2013/...	Board Member of TRANSPOR, a Fund for the Development of Advanced Education and Research on Transport Systems in Portugal, endowed by 8 companies in the transport sector;
2013/...	Editorial Board Member of the Scientific Journal “Proceedings of the Institution of Mechanical Engineers Part F: Journal of Rail and Rapid Transport”, published by SAGE.
2013/...	Editorial Board Member of the Scientific “Journal of Air Transport Management” published by Elsevier
2013/...	Editor-in-Chief of the Scientific Journal “Case Studies on Transport Policy”, published by Elsevier
2012/...	Chair of the Accreditation Committee of TRANSPORTNET, Network of leading University Groups involved in Transport Research and high-level Education (Univ. Aegean; Univ. Antwerp; Tech. Univ. Delft; Univ. Genoa; IWW – Un. Karlsruhe; ENAC – EPF Lausanne; I.S.Técnico, Lisboa; LET – Un. Lyon 2)
2012/...	Director of the Master in Transportation Planning and Operations, since 2021 designated Master in Transport Systems) Instituto Superior Técnico, Lisbon Technical University
2012/2017	Member of the Executive Board of Directors of the Center of Excellence “Bus Rapid Transit Across Latitudes and Cultures”, sponsored by VREF, with head office in Santiago do Chile and delegations in Boston, Washington, Sydney and Lisbon.
2011/2016	Member of Council of the AET Association of European Transport
2011/ 2015	Member of the Scientific Council of the following courses: Phd in Transportation (MIT-Portugal Program) and MSc in Complex Transport Infrastructure Systems (MIT Portugal Program) and MSc in Urban Planning and Land Use Management
2011 / 2015	Vice President of the Scientific Committee of the WCTRS – World Conference for Transportation Research Society
2010/2013	Member of the Scientific Committee of the BNP Paribas Fortis Chair on Transport, Logistics and Ports, at the University of Antwerp
2010/ 2013	Member of the Scientific Council of APDR – Portuguese Association for Regional Development
2009/2011	Deputy Chair of the Council of the AET Association of European Transport
2011/2013	Vice- President of the Council of AET – European Association of Transport
2007/2010	Member of the Steering and Scientific Committee of the WCTRS – World Conference for Transportation Research Society, responsible for Marketing and Membership
2008/2010	Member of the Board of Directors of ADFER (Association for Development of Rail Transport), responsible for publications;
2011/2013	Assistant Professor of Transportation with Habilitation - Department of Civil Engineering,

	Architecture and Georesources of Instituto Superior Técnico, Lisbon Technical University
2005/2011	Assistant Professor of Transportation - Department of Civil Engineering, Architecture and Georesources of Instituto Superior Técnico, Lisbon Technical University
2005/...	Board Member and President of the Shareholders Assembly of TIS.PT – Consultores em Transportes, Inovação e Sistemas, S.A., Lisbon, Portugal
2005	Director of Development at TIS.PT – Consultores em Transportes, Inovação e Sistemas, S.A., Lisbon, Portugal
2005	Chair of the 9 th International Conference on Competition and Ownership in Land Passenger Transport (Thredbo Series)
2004/ 2011	Founder (2004), President (2005-2007), Vice-President (2007-2011) of the international Association “ELITE – European Logistics, Infrastructure and Transport Expertise Network”
2003/2005	Lecturer at the Section of Town Planning, Transports, Transport Infrastructures and Systems of the Department of Civil Engineer and Architecture of Instituto Superior Técnico, Technical University of Lisbon
2002/2007	Director of the branch “Management and Operation of Transport Systems” at the Masters Course on Transportation of the Department of Civil Engineer and Architecture of Instituto Superior Técnico, Technical University of Lisbon
2000/2005	Managing Director of TIS.PT – Consultores em Transportes, Inovação e Sistemas, S.A., Lisbon, Portugal
2003/...	Scientific and Management Committee of TRANSPORTNET, Network of leading University Groups involved in Transport Research and high-level Education (Univ. Aegean; Univ. Antwerp; Tech. Univ. Delft; Univ. Genoa; IWW – Un. Karlsruhe; ENAC – EPF Lausanne; I.S.Técnico, Lisboa; LET – Un. Lyon 2)
2002/2003	Invited Assistant Professor of the Department of Civil Engineering, Section of Geotechnics, Highways and Transportation of Instituto Superior Técnico, Technical University of Lisbon
2001/...	Member of the Steering and Scientific Committee of the International Conferences on Competition and Ownership in Land Passenger Transport (THREDO series)
2000/2005	Member of the Board of Directors of TIS.PT – Consultores em Transportes, Inovação e Sistemas, S.A., Lisbon, Portugal
1998/2002	Member of the Fiscal Council of TRANS-POR, a fund for the development of Advanced Education and Research on Transport Systems in Portugal, endowed by 8 companies in the transport sector;
1998/2018	Researcher at CESUR (Centre for Urban and Regional Systems of the Technical University of Lisbon);
1998/2005	Founder and Director of the Department of Transport Policy and Systems of TIS.PT – Consultores em Transportes, Inovação e Sistemas, S.A., Lisbon, Portugal
1998/ 2002	Responsible for the discipline “Quality in Transport Systems” at the Masters Course on Transportation of the Department of Civil Engineer and Architecture of Instituto Superior Técnico, Technical University of Lisbon
1995/1998	Transportation Economist at TIS - Transportes, Inovação e Sistemas, a.c.e, Lisbon, Portugal, responsible for execution, organisation and management of the European projects

1982/1997	Flight Operations Officer and Duty Station Manager, responsible for the planning and operational coordination of flights at VIASA – Venezuelana Internacional de Aviación with permanent position at the Airports of Lisbon and Oporto and occasionally in Paris (Orly Airport) and Frankfurt Airport
1979/1981	Handling Services Supervisor, at VIASA -Venezuelan International Airline, Lisbon Airport, Portugal
1977/1979	Passenger Services Supervisor, at VIASA -Venezuelan International Airline, Lisbon Airport, Portugal
SELECTED PROFESSIONAL EXPERIENCE	
2024	Mobility Study for decarbonization of Principe Island, Biosphere patrimony (done for ONG EFRIKAN)
2023	Advisor for Ex-post evaluation of Cohesion Policy programmes 2014-2020 financed by the ERDF and the Cohesion Fund
2022/...	Economic Evaluation of 17 Demos for Decarbonization of Airports (Schiphol, Oslo, Turin, Lanarka).incorporated in the EU research project TULIPS
2022	Development of the institutional and governance framework of the urban mobility system of Indonésia, financed by KIAT (Indonesia Australia Partnership for Infrastructure)
2021	Coordination of Urban Logistic Plans for the Metropolitan Areas of Denpasar, Semarang, Makassar in Indonesia, for KIAT (Indonesia Australia Partnership for Infrastructure)
2020	Coordination of Urban Logistic Plans for Porto, Funchal, and Lisbon Metropolitan area
2018	Creation of the international association “IASA – Institute for Advanced Studies and Awareness”, an international non-profit entity, dedicated to transfer of knowledge professional capacitation and citizen awareness for sustainability
2017	Consultant for OCDE, for Transport Decentralization in Ukraine.
2015/2017	Co- author of EU “Guidelines for Urban Logistics” produced for DG Move.
2013/2018	Advisor of the European Commission for the 'Smart, Green and Integrated Transport' Advisory Group for Horizon 2020 - The Framework Program for Research and Innovation.
2012/2013	Evaluator of European Commission RTD 7FP program Smart Cities
2012/2013	Consultant for World Bank IEG (Independent Evaluation Group) for Evaluation of the World Bank Group Support for Public Private Partnerships in Transport , Energy and Education for the period 2002-2012
2012/2013	External Advisor for the IEG Evaluation: Sustainable Provision of Infrastructure Services, and the World Group [An Evaluation of World Bank Group Support since 2002]
2011-2013	Consultant for the Asian Development Bank, for the production of Road Maps for urban

	development in Kazakhstan and Uzbekistan
2007-2012	Main author of three strategic documents for the European Parliament on “The Security of Air Cargo from Third countries” (2012) ; “Impact of the Financial Crisis in Air Transport Market, for the European Parliament” (2009); “The impact of low-cost airline strategies on infrastructure and passenger flows” (2007).
2010	Vice-Chair of the 12th World Conference on Transportation Research, Lisbon, July 2010
2010	Chair of the 16th Panamerican Congress on Transport, Transit and Logistics, Lisbon, July 2010
2010	Leader of the project “AIRDEV – Business Models for Airport Development and Management” for MIT Portugal Program.
2008/2010	Co-leader of the project “AirNets – Airlines and Airport Networks” for MIT Portugal Program
2009-2010	Responsible for the development of the National Transport Accounts for the Road Sector
2009-2010	Co-Leader of the Logistic Plan for Portugal , done for the Land Transport Regulator (IMTT)
2009	Leader of the study on compliance with air passenger rights – misleading advertising on the websites of airlines and on-line travel agents – General Directorate of Health and consumers – European Commission (DGSANCO-EC)
2009	Leader of the Strategic Plan for Land Transport in Portugal , done for the Land Transport Regulator (IMTT)
2005	Chair of the 9th International Conference on Competition and Ownership in Land Passenger Transport, Lisbon, September 2005
2005	Member of the strategic reflection group of UITP to the development of Public Transport in Latin America to the 20s horizon
2004	Study for the Development of Rail Freight Transport in Portugal, for the Rail Regulator INTF
2003-2007	Responsible for the design of the reform of urban mobility systems in Brazil and for the technical contents of the framework law on urban mobility, and technical Advisor of the Secretary of State of Urban Mobility and of the Minister of Cities. Also responsible for the public participation process that led to the approval of the law first at the Council of Cities, and later at the Senate.
2002	Responsible for the discussion of the reform in Urban Mobility Systems at the Irish Transport Forum
2003-2019	Project Director in a total of 73 R&D projects for the European Commission in the 5 th , 6 th and 7 th Framework programs (Transport and Research), on Public Transport Regulation, Institutional Design, Organisation and Change, Contractual Relationships, Intermodality and Energy in Public Transport, Citizens Education and Public Participation
2002	Assisted the creation of TRANSPORTNET, a group of 8 European University Research Groups in Transport Systems for mutual support in advanced research and education (Univ. Aegean; Univ. Antwerp; Tech. Univ. Delft; Univ. Genoa; IWW – Un. Karlsruhe; ENAC – EPF Lausanne; I.S.Técnico, Lisboa; LET – Un. Lyon 2)
2001-2003	Assisted SATA Airlines Board in the public tender for Air Transport, between Continental Portugal and Azores

2001	Responsible for the Quality Certification ISO 2001 of Macau Airport and Air Traffic System. This was the first Airport Quality Certification done worldwide under the framework of ISO2001.
2000-2014	Participant of the ECMT Round Tables on Airports as Multimodal Interfaces; Safety in Public Transports; Regulation of Rail Transports; Decentralisation of Transport Policies, Public Private Partnerships, Ex-ante appraisal of Transport Investments.
2000/...	Regularly invited for participation in high level meetings on strategy and policy for EC-DGTREN (European Commission, Directorate General for Transport and Energy), EC- DG Research and several other international organisations and agencies
1995-2008	Quality Auditor for Transport Systems, having audited a total of 22 companies (three audits each).
1995-2003	Executive Director in a total of 8 R&D projects for the European Commission in the 4th, 5th and 6th Framework programs (Transport), on Public Transport regulation, on Prices and their Acceptability in Transport Systems, on new models for management of Railways after separation of infrastructure and operations, on Motorway charges for Heavy Goods Vehicles in Europe
1989	Opening and development of the Oporto delegation of VIASA- Venezuelana Internacional de Aviación S.A.
1995/ ...	Supervisor of several professional trainees in research and consultancy both in professional and academic environment.
1994-1996	Leader of the negotiation of the labour contract common to 18 International Air Transport Companies operating in Portugal

**LIST OF MAIN PROJECTS
CARRIED OUT AS
GLOBAL PROJECT
DIRECTOR**

Within the thematic domain

TRANSPORT POLICY AND STRATEGIC DEVELOPMENT OF TRANSPORT SYSTEMS

2022/2024	Coordinator for airport development of the Technical Independent Commission for the Environmental Strategic Assessment of the options for development of Lisbon Airport
2021/2022	Sustainable Urban Mobility Plans for Indonesia Metropolitan Areas (Sarbagita, Kedungsepur, Maminasata), responsible for Urban Freight and Institutional framework and Governance, For KIAT (Indonesia-Australia partnership)
2019/2020	Supporting analysis for defining the future rail research and innovation partnership under the next multi-annual financial framework for European Commission DG MOVE/C4/2018- 368
2018/ 2022	Advisor of the Municipality of Cascais for Urban Mobility
2018/2019	Government Advisor for the Privatisation of Azores Airline and reestructuring of SATA Group
2018/2019	Urban Logistic Plan for the city of Funchal, Madeira

2016/2017	Funding and Financing solutions through Value Capture: Concept, Implementation” UITP (Union International des Transport Publics)
2015	Guidelines for implementation of urban mobility reforms; flexible transport and door to door services in Portugal as follow up of regulatory reform. (IMT)
2013/2014	Design and Organization of Portuguese Regulatory Agency for Mobility and Transport formally established to by Decree nr 78/2014, 14 May.
2013/2014	Concession model for public transport in Portuguese metropolitan areas of Lisbon and Oporto, for IMT / Secretary of Transport and Public Works, Minister of Economy, Portugal
2013	Definition of public service policy and its operationalisation for mobility in metropolitan areas, urban and rural areas in Portugal
2011/2012	Organization of Urban Freight Distribution in Down Town Lisbon, Municipality of Lisbon, Portugal
2012/2013	Leader, The security issue in the air cargo sector, including freight from third countries and express delivery services, European Parliament, Commission of Tourism and Transport
2011/2015	Leader, “Exploring the complexity of policy design (LS2)” in the Center of Excellence BRT-ALC Bus Rapid Transit-Across Latitudes and Cultures, Financed by the VREF Volvo Research and Education Fund.
2010/2011	Leader, “TUNRAIL - TUNing Transatlantic Cooperation in Rail Higher Education”, ATLANTIS Program (USA-EU)
2010 /2011	Leader, “TURBLOG – Transferability of urban logistics concepts and practices”, 6 th RTD program European Commission
2009/2013	Leader, AIRDEV – Business Models for Airport Development and Management (program MIT-Portugal)
2007	Leader, Application of RFDIS technology to containers monitoring in intermodal chains s (Contract with private Logistic Operator Grupo Luis Simões)
2007	Leader, Application of RFDIS to transport systems through VIA VERDE, user control system. (Contract with BRISA)
2008/2010	Leader, “ENACT- Design Appropriate Contractual Relationships (PPP’s), 6 th RTD program European Commission
2007/2009	Leader, “TOOLQIT - Tools for the assessment of level and quality of service across different transport market segments” 6 th RTD program European Commission
2005/2008	Leader, “ELOFRET - Elements for the optimisation of intermodal freight chains, for National Science Foundation
2005/2007	Leader, “ESTRADA – Estimation of real cost and benefits for the valorisation of transport investment”, for National Science Foundation.
2005/2007	Leader, “LOGURB - Optimisation of logistic systems for the urban distribution of goods” for National Science Foundation
2003/2005	Leader, “BEACON – Building Environmental Assessment Consensus” 5 th RTD program European Commission

2003/2005	Development of studies and framework law for urban mobility in Brasil, covering 27 States, for the Ministry of Cities
2001/2004	Co-leader, "VOYAGER – Thematic Network on Urban Public Transport", 5th RTD program European Commission
2000/2003	Executive Director, "DESIRE - Designs for Interurban road pricing schemes in Europe", 5th RTD - Transport Programme EC DGTREN;
2000/2003	Executive Director, "IMPROVERAIL – Improved Tools for Railway Capacity and Access Management", 5th RTD - Transport Programme EC DGTREN;
2000/2003	Leader, "MARETOPE - Managing and Assessing Regulatory Evolution in local public Transport Operations in Europe", 5th RTD - Transport Programme EC DGTREN;
2001	Leader, "TAXUD - Vehicle Taxation Study", EC, DG Taxation;
1997/2000	Executive Director, "FISCUS – Cost evaluation and financing schemes for urban transport", EC –DGVII;
1999/2000	Executive Director, "PATs – Pricing acceptability in the transport sector", 4th RTD - Transport Programme, EC – DGVII;
2000/2004	Executive Director, "CUPID - Co-ordinating Urban Pricing Integrated Demonstrations", 5th RTD - Transport Programme EC DGTREN;
1996/1997	Executive Director, "ISOTOPE – Improved Structure and Organisation for Urban Transport Operations of Passengers in Europe", EC-DGVII;
TRANSPORT SYSTEM PLANNING AND OPERATIONS	
2022/...	TULIPS - Demonstrating lower polluting solutions for sustainable airports across Europe, H2020 framework program. (17 demonstrations in European Airports)
2022	INNOCAP, Promoting Innovation Capacity in RIS countries, EIT Urban Mobility.
2021/2022	e-ULTIMATE, EIT Urban Mobility
2021/2022	SMART HUBS, Intermodal solutions at different urban scales, EIT Urban Mobility
2021	CES4KIDS, Citizens and Youth Empowerment through DECIDIM digital Platform, EIT Urban Mobility
2020/2021	Strategic Logistic Plan for the Metropolitan Area of Lisbon, Portugal
2020	DECIDIUM, Citizens Engagement in Urban Mobility, EIT Urban Mobility
2020	Urban logistic plan for Porto, Portugal
2019	Urban logistic plan for Funchal, Portugal
2018/2019	SMART CITY SENSE, research project Portugal 2020

2018/2019	Preparation of the tender for public transport in the city of Cascais and analysis of candidates.
2017/2019	Reestructuring of Group SATA Air Açores, composed of Airlines, Ground Handling, Airport Management, Travel Agencies)
2014/2015	Shipperline – performance monitoring for intermodal freight transport operations, MAEIL, Nacional reference framework for development, Portugal
2013	Road Map for Portuguese airports to update and comply with technological requirements of SESAR (Single European Sky ATM Research)
2013/2018	Conception and development of an airship vehicle (and respective prototypes) for urban logistics (Project developed in partnership between IST and UBI, with patent submission for invention. Team of inventors led by Prof Rosário Macário. Patent registered
2010/2012	Executive Director, “HERMES High Efficient and Reliable arrangements for Crossmodal Transport”, 7th RTD Programme, European Commission, DG Move
2002/2004	Leader, BESTRANS - Benchmarking of Energy and Emission Performance in Urban Public Transport Operations, programa SAVE Comissão Europeia, DGTREN
2001/2004	Executive Director, “IMPROVERAIL – Improved Tools for Railway Infrastructure Capacity and Access Management”, 5º Programa Quadro de I&D - Transportes, Comissão Europeia, DGTREN
2000/2002	Leader, RUBENS - RUE (Rational use of energy) best practice guide for urban public transport in European cities“, programa SAVE Comissão Europeia, DGTREN
2000	Leader, “Study of the Economic and Social Impacts of the Lisbon Airport for ANA”, S.A;
1998 (and three following tenders)	Advise to SATA Board of Directors (Regional Airline of Azores) for the preparation of the bid for the tender regarding regular services from the Portuguese mainland to the Azores;
1997/1998	Leader, “Restructuring of air transport network in Azores and optimisation of crews and fleets management”, SATA, Azores Airline;
TRAINING, EDUCATION AND RESEARCH METHODS	
2012/...	Coordinator of the MSc in Transport Operations and Planning at the University of Lisbon.
2014/2018	Coordinator of Advanced Executive Management Course on Transport at Universidade Católica Portuguesa.
2014	Capacitation course on “Project Management and Leadership of Research Teams” for ITF, International Transport Forum – OECD.
2011/2012	“PACTS Policy Analysis for Complex Transport Systems EU-US ATLANTIS PROGRAMME COOPERATION IN HIGHER EDUCATION AND VOCATIONAL TRAINING
2011/2013	Leader, “EDUCAIR - Assessing the EDUCational Gaps in Aeronautics and AIR Transport”, 7º Programa Quadro de I&D, DG Aeronautics, Comissão Europeia (2011-2013)

**LIST OF MOST RELEVANT
PROJECTS CARRIED OUT
AS CO-DIRECTOR**

2010/2015	Leader, "Assessment of needs in Training and Educational Gaps (E1)", in the Center of Excellence BRT-ALC Bus Rapid Transit-Across Latitudes and Cultures, Financed by the VREF Volvo Research and Education Fund.
2009/2010	Leader, TUNRAIL - Transatlantic Cooperation in Rail Higher Education EU-US ATLANTIS PROGRAMME COOPERATION IN HIGHER EDUCATION AND VOCATIONAL TRAINING
TRANSPORT POLICY AND STRATEGIC DEVELOPMENT OF TRANSPORT SYSTEMS	
2024	Economic and functional evaluation of mobility solutions for decarbonization of Principe Island, Biosphere patrimony (done for ONG EFRIKAN)
2022/...	TULIPS – Decarbonization of Airports (European Commission)
2018/2019	Fare regulation for public transport in Portugal, for AMT (National Transport Regulator)
2017	Guidelines for Transport Decentralisation in Ukraine, OCDE Regional Development Policy Division
2016/2018	Strategic Plan for the Port of Leixões, Portugal
2015/2018	SusCity: Urban data driven models for creative and resourceful urban transitions, 2013 Call for Test-bed Proposals under the MIT Portugal Program.
2015	Strategic Plan for the Port of Sines, Portugal
2015	Innovation in Port Infrastructure, research project for BNP Paribas
2014/2016	Co-Leader of the study for the Preparation of EU guidelines for urban logistics, EC DG MOVE – 2014/370
2014/2017	Co-leader of BENEFIT – Business Models for Enhancing Funding and Enabling Financing of infrastructure in Europe
2012/2014	Co-leader, Public Private Partnerships: Theory and Practice (COST TU1001), European Commission, COST office.
2011/2014	Co-leader, STRAIGHTSOL - STRAtegies and measures for smarter urban freIGHT SOLutions, 7th Framework Program, European Commission
2011/2012	Co-leader, RoadMaps for Strategic Development of Kazakhstan and Uzbekistan, for Asean Development Bank
2010/2011	Co-Leader, "SKILLRAIL – Education and Training Actions for high skilled job opportunities in the railway sector". 7th RTD program European Commission
2009/2010	Partner, "FUTURAIL - Job opportunities for the railway community of tomorrow", 7th RTD program European Commission

2008/2011	Co-leader, "AIRNETS – Airlines and Airport Networks" for MIT Portugal Program
2008/2011	Co-Leader, "SOTUR Strategic Options for Integrating Transportation Innovations and Urban Revitalization" " for MIT Portugal Program
2008/ 2011	Partner, "SCUSSE Smart Combination of passenger transport modes and services in Urban areas for maximum System Sustainability and Efficiency" for MIT Portugal Program
2007/2011	Partner, "RAILENERGY - Innovative Integrated Energy Efficiency Solutions for Railway Rolling Stock, Rail Infrastructure and Train Operation", 6 th RTD program, European Commission
2004/2007	Partner, " EURNEX – European Rail research Network of Excellence, 6 th RTD, European Commission
2003/2006	Co-leader, "STEPS - Scenarios for the Transport System and Energy Supply and their Potential Effects", 6 ^o RTD program European Commission
2003/2005	Partner, " EXTRA@WEB -Development of a Web Based Transport RTD Knowledge Centre, ", 5 th RTD program European Commission
2002/2004	Co-leader, "PROVIDER Implementation European on line services for mobility education to save energy", RTD program European Commission
2003/2005	Co-leader, "REVENUE - Use of revenues from transport pricing, ", 5 ^o RTD program European Commission
2003/2005	Co-leader , "PLUME – Planning and Urban Mobility in Europe", 5 ^o RTD program European Commission
2002/2004	Co-leader , "REALISE – Regional Action for Logistical Integration of Shipping across Europe", 5 ^o RTD program European Commission
2002/2003	Partner, "CO-ACT - Creating Viable Concepts for Combined Air/Rail Cargo Transport", 5 ^o RTD program European Commission
2002/2006	Co-leader, "METEOR -Monitoring and Evaluation of Transport and Energy Oriented Radical Strategies for clean urban transport", 5 ^o RTD program European Commission
2001/2003	Partner, "ASTRAL – Achieving Sustainability in Transport and Land-use", Programme City of Tomorrow – Comissão Europeia
2000/2004	Co-leader, "TRANSPLUS - Transport Planning, land use and sustainability", 5 ^o RTD program European Commission
2000/2004	Co-leader, "UNITE-UNification of accounts and marginal costs for Transport Efficiency", 5 ^o RTD program European Commission
2000/2002	Co-Leader , "SULOGTRA - Supply Chain Management logistics and their effects on transport", ", 5 ^o RTD program European Commission
2000/2002	Co-leader, "PRISMATICA - Pro-active Integrated Systems for Security Management by Technological, Institutional and Communication Assistance", 5 th RTD program European Commission
2001/2004	Co-leader, " VOYAGER – Thematic Network on Urban Public Transport", ", 5 th RTD program European Commission

2000/2003	Co-leader " CUPID - Co-ordinating Urban Pricing Integrated Demonstrations", , 5th RTD program European Commission
2000 / 2003	Partner in "TEST - Technologies for European Surveys of Travel Behaviour", , 4th RTD program European Commission
2002	Partner, PROTRANS – The Role of Third Party Logistics Service Providers and their Impact on Transport, , 5th RTD program European Commission
2002/2004	Partner, "STELLA – Sustainable Transport in Europe and Links and Liasons with America, ", 5th RTD program European Commission
2000/2002	Invited expert in "TRANSTALK - Thematic Network on Policy and Project Evaluation Methodologies ", 5th RTD - European Commission
2000/2002	Co-leader, "TAPESTRY – "Travel awareness publicity and education supporting a sustainable transport strategy ", 5th RTD - European Commission
2000/2002	Partner, "MOTIF – Market Oriented Transport in Focus", 4th RTD program European Commission
2000/2001	Partner, "SORT-IT - Strategic Organisation and Regulation in Transport – Interurban Travel, Case Study Portugal and Spain ", 4th RTD program European Commission
2000/2002	Partner, "MEST - Methods for European Surveys of Travel Behaviour", 4th RTD program European Commission
1998/2000	Partner, "SCENES- European Transport Scenarios", 4th RTD program European Commission
1997/1999	Partner, "CATRIV - Conception analysis for transportation on rivers", , 4th RTD program European Commission
1998/2000	Co-leader, "HERITAGE – Historic environment for integrated telematics application programs in Europe", , 4th RTD program European Commission
1996/1998	Subcontracted, PETS - Pricing European Transport System, Caso de estudo: Travessia do Tejo , 4th RTD program European Commission
2000/2004	Co-Director Executive Director, " CUPID - Co-ordinating Urban Pricing Integrated Demonstrations", 5th RTD - Transport Programme EC DGTREN;
2000	Invited expert in Project "TRANSTALK - Thematic Network on Policy and Project Evaluation Methodologies ", 5th RTD – Transport Programme EC DGTREN;
1998/1999	Co-Director , "Strategic and Restructuring plan , BUS Company of Porto", STCP;
1996/1998	Partner, "PETS - Pricing European Transport System", 4th RTD - Transport Programme, EC - DGVII;
1996	Partner "SCENARIOS – Scenarios on External developments affecting European transport", EC – DGVII;
1997/1998	Co-leader, "Examination of Community law relating to the public service obligations and contracts in the field of inland passenger transport", EC-DGVII;

TRANSPORT SYSTEMS PLANNING AND OPERATION

2017/2019	Coordinator of design and implementation of quality management system at public transport company of Barreiro.
2016/ 2019	Co-Leader “Smart City Sense”, projecto de ID&T em co-promoção, Portugal 2020, com parceria com Thales, Policia Municipal, e Faculdade de Motricidade Humana.
2014/2018	Co-Leader, “DAISY - Impact Analysis and Cost Benefit Analysis of Countermeasures on Airport infrastructure”, DG HOME/2013/CIPS/AG/4000005001
2013/2016	Co-Leader, “PRO E-Bike, Promoting electrical bicycles and scooters for delivery of goods and passengers in urban areas”, Intelligent Energy Europe, European Commission
2011/2012	Production of the Urban Logistics matrix for the S.Paulo City, Brazil
1999	Partner, “Study of the impacts of introducing light rail in the urban transport system of Fortaleza/Brazil” – Metrofor”
1998/1999	Partner, “SOFTTRIP – Soft quality features in the area of public transport, project for the Hamburger Verkehrsverbund”, together with TRANSTEC, Germany;
1998 (and three following tenders)	Advise to SATA Board of Directors (Regional Airline of Azores) for the preparation of the bid for the tender regarding regular services from the Portuguese mainland to the Azores;
1997	Partner, “Transport demand of modes not covered by international transport statistics”, study by the UITP for the European Commission;
1996/1998	Co-Director, QUATTRO - Quality Approach in Tendering/Contracting Urban Public Transport Operations, 4th RTD - Transport Programme, EC - DGVII;
1996/1998	Partner, “MEST - Methods for European Surveys of Travel Behaviour”, EC-DGVII;

TRAINING EDUCATION AND RESEARCH METHODS

2014	Co-leader of capacitation program for the Mozambique Railways
2011/2012	Co-Leader, “PACTS Policy Analysis for Complex Transport Systems EU-US ATLANTIS PROGRAMME COOPERATION IN HIGHER EDUCATION AND VOCATIONAL TRAINING
2011	Partner, “Assessment of Training Needs in the Area of Infrastructure, among Brazilian Federal Civil Servants” (United Nations)

ACADEMIC ACTIVITIES

Academic Awards

2010	Education Innovation Award - MIT Portugal “Award for outstanding contribution to innovative teaching and for providing inspiration to
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students and colleagues”
<http://www.mitportugal.org/latest/2010-education-innovation-awards.html>

- 1992 Award “Aníbal Cavaco Silva”**
 Awarded by the Lisbon Technical University for the research work "Critical analysis of airport taxes"

PATENTS

- 2017** Co-inventor of multipurpose chair for reduced mobility people in air transport (registered patent) - WO2019083384
- 2015** Co- inventor and coordinator of the team for an invention concerning a multifunctional air transport system made by a manoeuvrable modular hybrid airship, and a berthing tower, and the related mooring mechanism. (Registered patent) WO2016195520

Academic Supervisions

Since 2005/....

PhD Supervisions on the following topics (at IST Universidade Lisboa, Universidade Nova, FEUP and University of Antwerp):

1. “Strategies and instruments for the development of air cargo” (Finished 2011 by Vasco Reis, Portuguese, University of Lisbon);
2. Modelling the Vulnerability of Complex Transport Network Systems: An Application to Natural Risks in Urban Environment” (Finished 2012, by Gonalo Caiado, Portuguese, University of Lisbon);
3. “Strategies for transition of the transport sector to the hydrogen economy through technology transfer” (Finished 2013, by Ayfer Veziroglu, Turkish, University of Lisbon);
4. “Strategic Evaluation of Multimodal Networks in Urban Mobility Systems: Conciliation of the User and Service Provider Perspectives” (Finished 2016 by Camila Garcia, Brazilian, University of Lisbon);
5. “Institutional Design as a Performance Factor in Urban Mobility Systems” [Finished 2016, Student Maria Spandou, Greek, University of Lisbon]
6. "Rail Industry Supply Chain Technology Assessment" (co-supervisor at Universidade Nova, student is hosted during 2 years at Tonji University) [Finished 2017, Student: Susana Moretto, Portuguese, New University of Lisbon]
7. “Defining integrated policies to reduce road congestion based on shared responsibility between land-use and mobility”[Finished 2017, student: Paulo Martins (Professor at Polytechnic School of Engineering), Portuguese, University of Lisbon]
8. “Influence of Funding and Financing sources in the Transport Investment decisions”(Finished 2017, Student: Matheus Oliveira, Brazilian, University of Lisbon)
9. “A Decision Support Tool for Flexible Airport Passenger Terminals” [Finished 2018, student: Liliana Magalhães, Portuguese, University of Lisbon] (co-supervisor)

10. "Flexible airport capacity and fleet composition", [finished 2021, Student Sera Cavuoglu, Turkish, Turkish, University of Lisbon]
11. Usability evaluation of multimodal transit maps: preference, performance and route planning" [Finished 2022, student: Bernardo Garcia, Brazilian, University of Lisbon]
12. "Implementation and evaluation of compensatory security measures applied to airports of small and medium dimension" (PhD hosted by the Airport of Ponta Delgada, Azores) [student: Duarte Cunha, Portuguese, University of Lisbon]
13. "The role of residual value in contractual models for transport infrastructure", [student Luis Miguel Reis Silva, Portuguese, University of Lisbon.]]
14. "Decarbonisation impacts on fiscal reform", [Student Carlos Marques, Portuguese, University of Antwerp]
15. "The risk classification for Airline Management" (Student: Jooris de Meeurs, Belgium, University of Antwerp)
16. "A collaborative design framework for adaptive policy roadmaps in sustainable urban mobility" (student Juliana Silva, Brasileira, Faculdade de Engenharia da Universidade do Porto)
17. "Machine learning for customised airline offer management"(Student Daniel Schubert, Belgium, University of Antwerp, in cooperation with Lufthansa Group (LHG)
18. "How can airport sustainability performance be accounted and assessed? (Student Xibei Jia, China, Double PhD University of Antwerp and University of Lisboa)
19. Voluntary Carbon Credits in Aviation (Student Fabiana Mello, Brazilian, University of Lisboa)
20. "Airport Metabolism Model: Application of Circular Economy Principles to Airport Decarbonisation Policies" (Student Maria Santos Alfageme, Spanish, University of Lisbon)
21. "Port Metabolism as a contributor for strategic design" (Student, Mariana Aguiar, Portuguese, University of Lisboa)
22. Independence of EU Slot Coordinators: a regulatory perspective (Student Valdino Simas, Angolan, University of Lisboa)
23. "Sustainable Urban Regeneration" (Student Joana Santos, PhD in Architecture, Co-Supervisor)

Since 2002/...

More than 80 supervisions of MSc (Master) Dissertations on several transportation topics, at IST and at University of Antwerp

Juris

Participation in Academic Juris in several universities, namely:

University of Antwerp (Belgium) , Lyon Lumiere II (France), MIT (USA) , Rio de Janeiro Federal University (Brasil), Fortaleza Ceará Federal University (Brasil), NWO (Netherlands),

IIT Guwahati (India), Perth University (Australia).
In Portugal IST, Univ Aveiro, Univ Porto, Univ Coimbra, Univ Beira Interior (Portugal).

**Courses
Since 1998 /--**

Courses lectured with responsibility of overall coordination (all in Portuguese and English)

1. Information and Management (MSc Level),
2. Management of Transport Infrastructure (MSc Level);
3. Quality in Transport Systems (MSc level);
4. Quality in Construction and Services (MSc level)
5. Public Transport (MSc Level);
6. Urban Logistics (MSc Level);
7. Transport Policy and Financing (MSc Level);
8. Integration of Transport in Logistics (MSc Level) ;
9. Exploitation of Infrastructure and Transport Systems (MSc Level)
10. Urban Mobility Management (MSc level)
11. Freight Transport and Logistic Processes (MSc level);
12. Transport (MSc Level, and Graduation in Civil Engineering)
13. Transport Production and Physical Distribution (MSc level);
14. Transport Economics (MSc level);
15. Air and Maritime Transport (MSc level);
16. Intelligent Transport Systems (MSc level) ;
17. How to develop and deliver a MSc dissertation (MSc level open to all Engineering Courses)
18. Public Transport (MSc of the University of Essen);
19. MSc course in Airport Management for Peruvian University Alas Peruanas (Airport Infrastructure and Airport Operations) in Distance Learning
20. Transport Economics and Project Evaluation (MSc level, MIT Portugal);
21. Structured Financing of Transport Projects (MSc level, MIT Portugal) ;
22. Transport Policy and Institutions (PhD level, MIT Portugal) ;
23. Research Methodologies in Natural and Social Sciences (PhD level, MIT Portugal);
24. Business Models and Contracts (PhD Level, MIT Portugal).
25. Air Transport Pricing Strategies (PhD Level, University of Antwerp)
26. PhD courses for TRANSPORTNET network (Urban Mobility, Policy Analysis for Decision Makers, Freight Distribution and Research Methodologies) ;
27. PhD Courses for C-MAT (University of Antwerp), Research Methodologies, Air Transport Pricing Strategies, Airport Management.

**INTERNATIONAL
EVALUATIONS**
Since 1998/...

Acting as evaluator for the following organisations

- ANR (Agence Nationale de la Recherche), France 2021 e 2022
- Research Council of Norway, 2017 and 2019
- Advisory Panel - World Bank – Independent Evaluation Group - Evaluation of Sustainable Provision of Infrastructure Services, 2012-2013
- Advisory Panel - World Bank – Independent Evaluation Group Evaluation of the World Bank Group's Support for Public-Private Partnerships, 2012-2013
- National Research Program of Kazaquistão, from 2011 to 2015
- Excellence Centres of Flandres , from 2011 to 2016
- European Commission, in Air Transport, Urban Mobility, Transport Policy, Cross Cutting areas, RTD programs 4th, 5th, 6th, 7th , from 2002 to 2013
- Research program of the Dutch Govern (Sustainable Accessibility of the Randstad program (DBR), 2008, 2012, 2016, 2019

Acting as member of the Jury for accreditation agencies

- French National Research Program “Investissement de l’avenir”, National Research , 2010.
- European Research Program H2020 from 2013 up to present;

Acting as member of Advisory Boards

- PTV – Transport and Logistics Software House, 2016/...
- Lisbon Airport, 2017/...
- ART – Italien Regulator for Transport, 2021 /...

**SELECTED
PUBLICATIONS**

(conferences without refereeing and communications are not referred)

BOOKS AND SPECIAL ISSUES IN SCIENTIFIC JOURNALS

AUTHOR OF BOOKS

1. Macário R., Reis V., 2024, Managing Urban Logistics, ISBN: 978012814462, published by Elsevier
2. Reis V., Macário R., 2019 “Intermodal Freight Transportation”, ISBN ISBN-13: 978-0128144640, published by Elsevier
3. Macário R., 2011, “Managing Urban Mobility Systems”, ISBN 9780857246110, EMERALD Group Publishing Limited

EDITOR OF BOOKS

1. Macário R., Van de Voorde E (Eds), 2022 “The air transport industry: economic conflict and competition”, ISBN: 9780323915229 published by Elsevier
2. Macário R., Van de Voorde E. (Eds), 2010, “Critical Issues in Air Transport Economics and Business”, ISBN-10: 0415570557, ISBN-13: 978-0415570558,

Routledge

3. Macário R., (Editor) (2005) "Port Management and Marketing", Publication of the Port of Leixões, ISBN 972-9044-85-6

SPECIAL ISSUES IN SCIENTIFIC JOURNALS with REFEREING

1. Macário R, Reis V., (eds) 2021 (eds)), "Transport Systems for Sustainability: Policy, Planning and Exploitation" a Special Issue of Sustainability – Volume I (ISSN 2071-1050). This Special Issue belongs to the Section "Sustainable Engineering and Science" published by MDPI
2. Roumboutsos A., Macário R., (eds), 2013, "Public Private Partnerships in Transport: Theory & Practice" in Special Issue of Journal "Built Environment Project and Asset Management (BEPAM)" Published by Built Environment Project and Asset Management, Vol. 3 Iss: 2
3. Brown M., Macário R., Rothengatter W., (Eds), 2012, "Green and Efficient Logistics", Volume 4, Numbers 3-4 (2012), 83-86, DOI: 10.1007/s12159-012-0075-z in Journal of Logistics Research (LORE), Logist. Res. (2012) 4:83–86 DOI 10.1007/s12159-012-0075-z, published by Springer
4. Macário R. (Ed), 2010, "Economics of contractual relationships in the provision of transport infrastructure", Research in Transportation Economics 30 (2010) 1e5 , doi:10.1016/j.retrec.2010.10.001 ELSEVIER

EDITION OF CONFERENCE PROCEEDINGS

1. Macário R., (Eds), 2015, Proceedings of the TRANSED 2015 – 14th International Conference on Mobility and Transport for Elderly and Disabled persons, Lisboa, Portugal.
2. Macário R., (Eds), 2012, Proceedings of the AIRDEV 2012 – 1st International Conference on Airport Development, Lisbon, Portugal
3. Viegas J., Macário R. (Eds) , 2010, Selected Proceedings 12th World Conference on Transportation Research, Lisbon, Portugal, ISBN 978 989 96986 11 (e-book)
4. Viegas J., Macário R., 2010, (Eds) General Proceedings 12th World Conference on Transportation Research, Lisbon, Portugal, ISBN 978 989 96986 0 4 (e-book)
5. Macário R., Viegas J., (Eds), 2010, General Proceedings of the 16th Panamerican Congress on Transport, Traffic and Logistics, Lisbon, Portugal, ISBN 978 989 96986 0 5 (e-book)
6. Macário R., Viegas J., Hensher D. (Editors), (2007) Competition and Ownership in Land Passenger Transport, Selected papers from the 9th International Conference (Thredbo 9, held 2005), Eds., Hardbound, 986 pages, ISBN-13: 978-0-08-045095-7, ISBN-10: 0-08-045095-4, ELSEVIER

AUTHOR OF BOOKS CHAPTER

1. Lajas R., Macário R. 2024 "Transport policy and the policy cycle: from theory to practice" (chapter 13) in Pearl A., Ray R.Reardon L., "Handbook of Transportation and Public Policy", ISBN 9781800888777, <https://doi.org/10.4337/9781800888784>
2. Macário R., van de Voorde E., (2022) How strategy can influence the market: recommendations and conclusions", in The Air Transportation Industry, pp 1-25, <https://doi.org/10.1016/B978-0-323-91522-9.00006-3>
3. Macário R., van de Voorde E., (2022) Airline pricing, incumbents, and new entrants", in The Air Transportation Industry, pp 1-25, <https://doi.org/10.1016/B978-0-323-91522-9.00006-3>
4. Macário R., van de Voorde E., (2022) Economic structure of the air transport business, in The Air Transportation Industry, pp 1-25, <https://doi.org/10.1016/B978-0-323-91522-9.00001-4>
5. Macario, Rosario, (2021) Home Deliveries and their Impact on Planning and Policy. In: Vickerman, Roger (eds.) International Encyclopedia of Transportation vol 6. pp. 413-417 .United Kingdom: Elsevier Ltd.
6. Macário R.,, 2019, "Tracing factors for quality of decision in Transport Infrastructure Investment", in Venezia E. (Ed) "The decision-making process for infrastructural investment choices", Franco Angeli Publish, Italy, ISBN 9788891790811.
7. Macário R., Meersman H., Van de Voorde E., 2019, "European Union and UK: research roadmap for transport policy" in "Stanley J., and Hensher D. (Eds), 2019, "A Research Agenda for Transport Policy ",ISBN: 978-1788970198, Edward Elgar Publisher
8. Macário R., Meersman, H, Van de Voorde E., 2019, Competition among European airlines: pricing strategies, yields and profits, in Cullimane K. (Editor), Airline Economics, ISBN:9781789732825
9. Hensher, D.A., Balbontin, C., Ho, C. and Mulley, C., Macário, R. and Stewart, A. (2019) "Evaluating BRT and LRT on a level playing field in developed economies: A cross cultural comparison", Chapter 5 in Ferbrache F., "Developing Bus Rapid Transit: The Value of BRT in Urban Spaces". ISBN 978-1788110907, Edward Elgar Publisher.
10. Macário R., Spandou M., Filipe L., (2016), "Institutional design and regulatory frameworks", Chapter 5 in Muñoz J.C., Paget-Seekins L. (Eds), "Restructuring Public Transport in Growing Cities: The Opportunities and Challenges of Bus Rapid Transit", ISBN 9781447326168 Cambridge University Press
11. Zarob C., Allard J.M. Macário R., Garcia B., Garcia C. (2016), "Passenger information systems" ", Chapter 13 in Muñoz J.C., Paget-Seekins L. (Eds), "Restructuring Public Transport in Growing Cities: The Opportunities and Challenges of Bus Rapid Transit", ISBN 9781447326168, Cambridge University Press
12. Oliveira M., Costa J., Ribeiro J., Macário R., 2015 "Finding an institutional evolutionary maturity concept: an exploratory analysis for European experience in

PPPs, Chapter 3, Part 1, in Roumboutsos A., "Public Private Partnership in Transport: trends and theory", Routledge ISBN 978-1-13-889816-5

13. Ribeiro J., Couchinho R., Macário R. and Liyanage C., 2015, Cross-country analysis of PPPs The case of urban light rail projects, Chapter 14, Part 3, in Roumboutsos A., Public Private Partnership in Transport: trends and theory, Routledge ISBN 978-1-13-889816-5
14. Macário R., 2014, " Port Capacity Benchmark: leading or lagging ?" pp 61-78, chapter 3 in Vanelslander T., Sys C., "Port Business: Market Challenges and Management Actions", ASP Vub Press, 2015, ISBN 9057181797, 9789057181795
15. Macário R., 2014, "Public-Private Partnerships in Ports: Where are we?" in Meersman H., Voorde E., Vanelslander T., (Eds) "Port Infrastructure Finance" , pp 55-68, ISBN 9780415720069, Informa Law from Routledge
16. Macário R., 2014, "Access as a social good and as an economic good: is there a need of paradigm shift ?", in Sclar E., Lonnroth M., Wolmar C. (Editors), "Urban Access for the 21st Century: Finance and governance models for transport infrastructure", Routledge, ISBN 978-0-415-72049-6
17. Macário R., 2013, European Regulation in Urban Public Transport" in 'Regulating Transport in Europe', Publisher: Edward Elgar, Editors: Finger,M. Holvad T., Hardback 978 1 78100 482 1 Elgar online 978 1 78100 483
18. Macário R., 2013, "Modeling for public policies inducement of urban freight business development" in Ben Akiva, M. (Ed), Meersman H. (Ed.), van de Voorde E., (Ed), "Freight Transport Modelling", Emerald Group Publishing, ISBN-10: 1781902852, ISBN-13: 978-1781902851
19. Silva J.M.R, Macário R., 2011, "Acessibilidades e Desenvolvimento da Região da Beira Interior", (pp 267-279), in Baleiras R., (Ed.) "Casos de Desenvolvimento Regional", ISBN 978-989-8131-85-0, Principia.
20. Macário R., (2010) "Bridging between infrastructure costs and charges. Is it relevant ?" in Van de Voorde E., Vanelslander T., (2010) Applied Transport Economics: a Management and Policy Perspective, pp 237–255, de Boeck, ISBN-10 9045532190 / ISBN-13 9789045532196
21. Macário R., Van de Voorde E., (2010) Major challenges for the future air transport sector in Macário R., Van de Voorde E. (Eds), 2010, "Critical Issues in Air Transport Economics and Business", pp 393-403, Routledge, ISBN-10: 0415570557, ISBN-13: 978-0415570558
22. Macário R., (2010), Airports of the future: essentials for a renewed business models in Macário R., Van de Voorde E. (Eds), 2010, "Critical Issues in Air Transport Economics and Business", pp 133-150, Routledge, ISBN-10: 0415570557, ISBN-13: 978-0415570558
23. Macário R., Reis V., (2010) "Low-cost airlines: strategies and reaction patterns" in Macário R., Van de Voorde E. (Eds), 2010, "Critical Issues in Air Transport Economics and Business", Routledge, ISBN-10: 0415570557, ISBN-13: 978-0415570558
24. Macário R., Silva J.M. (2009), "Regional airports and local development: the challenging balance between sustainability and economic growth", in Uleguin F. (Ed), (2009)"Prospects for Research in Transport and Logistics on a Regional – Global

Perspective", pp 189-195, ISBN 978-9944-5789-2-9.

25. Macário R., Reis V., 2009, "Future prospects on urban logistic research", in Uleguin F. (Ed), (2009) "Prospects for Research in Transport and Logistics on a Regional – Global Perspective", pp 149 – 155, ISBN 978-9944-5789-2-9.
26. Macário R., Viegas J.M., (2008), "Bottlenecks of Efficiency and the Development of Port Business" in Meersman H., van de Voorde E., Vanelander T., Future Challenges for the Port and Shipping Sector, ISBN-10: 1843117711, ISBN-13: 978-1843117711, InformaLaw, Dec 2008;
27. Macário R., Filipe L. N., Reis V, Martins P., (2007) "Elements for a Master Plan in Urban Logistics" in Taniguchi E., Thompson R. G. (Eds) proceedings of City Logistics 2007, Institute for City Logistics, Elsevier Publication
28. Macário R., (2007), "Integration: An Instrument for Sustainability of Urban Mobility Systems", in Rietveld P, Stough R.R. (editors) "Institutions and Sustainable Transport regulatory reform in advanced economics", Edward Elgar Publishing Inc, ISBN 978 1 84542 628 6
29. Macário R., (2006), "Energy transitions in transportation: is it a technology or a policy driven process?" in Sheffield John W., and Sheffield Cigdem (Editors) "Assessment of Hydrogen Energy for Sustainable Development (NATO Science for Peace and Security) (Paperback) by John W. Sheffield (Editor), Cigdem Sheffield (Editor), Kluwer Academic Publishers, ISBN-10: 1402064411, ISBN-13: 978-1402064418
30. Betancor O., Carmona M., Macário R., Nash C (2005) "Operating Costs" in Nash C. (Ed.) "Measuring the marginal social cost of transport", ISSN: 0739-8859/doi:10.1016/S0739-8859(05)14004-9, pp 85-124, ISBN: 0-7623-1006-5, 352 pages, publication date: 2005, Research in Transportation Economics, volume 14 (series), Elsevier Books
31. Macário R., (2005), "Reestructuring, regulation and institutional design: a fitness problem", 9th Conference on Competition and Ownership in Land Passenger Transport, 5-9 September, Lisbon, Portugal, in Hensher D. (Ed.) Competition & Ownership in Land Passenger Transport 0-08-044580-2, 792 pages, Elsevier Books
32. Macário R., Jansson K. (2005), "Institutional Frameworks (Workshop Report)", (chapter 2) in Hensher D. (Ed.) Competition & Ownership in Land Passenger Transport 0-08-044580-2, 792 pages, Elsevier Books
33. Macário R. (2005) Institutional frameworks, the regulatory agencies and the land passenger transport industry: recent evolutions, (chapter 6) in Hensher D. (Ed.) Competition & Ownership in Land Passenger Transport 0-08-044580-2, 792 pages, Elsevier Books
34. Viegas J., Macário R., (2005) "Portuguese Port Management: changing relationships with stakeholders and clients", in MACARIO R., Ed. (2005) "Gestão e Marketing Portuário", Administração do Porto de Leixões, ISBN 972-9044-85-6
35. Macário R., Viegas J., (2005) "Strategic marketing: value added and barriers to an increasing port development", in MACARIO R., Ed. (2005) "Gestão e Marketing Portuário", Administração do Porto de Leixões, ISBN 972-9044-85-6
36. Macário R., (2005) "Legal, institutional and contractual issues", pp 43 - 74, (chapter 4), ISSN: 0739-8859/doi (series): 10.1016/S0739-8859(04)11004-4 in Viegas J.M. (ed.), 2005, "Inter-urban Road Charging for Trucks in Europe", Research in Transportation Economics, Volume 11, ISBN: 0-7323-1142-8; ISSN: 0739-8859

(series), Elsevier Books

37. Macário R., Caiado G. (2004), "The Portuguese Experience: Lisbon", in Ambrosino G., M.Boero and M.Romanazzo (Eds) "Policies and Technologies for Sustainable Freight Distribution in Urban Area: Towards the eLogistics Agency" ENEA publication
38. Macário R., Caiado G. (2004), "Requirements and User Needs", in Ambrosino G., M.Boero and M.Romanazzo (Eds) "Policies and Technologies for Sustainable Freight Distribution in Urban Area: Towards the eLogistics Agency" ENEA publication
39. Viegas, J.M. , Macário R., 2003, "Involving Stakeholders in the Evaluation of Transport Pricing", in Transport Projects, Programs and Policies – Evaluation Needs and Capacity, Edited by Alan Pearman, Peter Mackie and John Nellthorp, Ashgate, Chapter 12, pp. 213-225, ISBN: 978-0-7546-3032-6
40. Viegas, J.M, Macário R., 2003 "Acceptability of Price Changes in Urban Mobility" of Transport Pricing Strategies, Edited by Jens Schade and Bernhard Schlag, Elsevier, Chapter 11, Oxford, ISBN-13: 978-0080441993, ISBN-10: 0080441998

PAPERS IN SCIENTIFIC JOURNALS with Refereeing

1. Mello F., Macário R., (2024) Tourist behavior and awareness in airline voluntary carbon offset programs: A Portuguese perspective, Journal of the Air Transport Research Society
2. Volume 3, December 2024, 100042, <https://doi.org/10.1016/j.jatrs.2024.100042>
3. Carvalho, J., de Sousa, J.P., Macário, R., (2024) Towards a more inclusive mobility: participatory mobility planning at a metropolitan scale, Transportation Research Procedia, 78, pp. 222-229, ISSN: 2352-1465
4. Meeûs, J., Dewulf, W. Macário, R., (2024) IMS CUBE, A NEW RISK MODEL FOR , INTEGRATED MANAGEMENT SYSTEMS IN AVIATION, Aviation Journal, 28(2), pp. 85-99, <https://doi.org/10.3846/aviation.2024.21703>
5. Jia, X., Macário, R., Buyle, (2024) S.How do airports align with sustainability? An analysis of the world's 150 busiest airports, Sustainable Development , 32(6), pp. 7409-7433
6. Jia X., Buyle S., Macário R., 2023, Developing an airport sustainability evaluation index through composite indicator approach, Journal of Air Transport Management 113, 102469DOI:10.1016/j.jairtraman.2023.102469
7. Jia X., Macário R., Buyle S., 2023, Expanding horizons: a review of sustainability evaluation methodologies in the airport sector and beyond, Sustainability 15 (15), 11584, <https://doi.org/10.3390/su151511584>
8. Meeûs J., Dewulf W., Macário R., 2023, Management Systems in Aviation: Challenges and Opportunities to Upgrade to an Integrated Management System, Sustainability 15 (13), 10424, <https://doi.org/10.3390/su151310424>
9. Macário R., Reis V., 2022, Transport Systems for Sustainability: Policy, Planning and Exploitation, Sustainability 14 (5), <https://doi.org/10.3390/su14052632>
10. Koech A.K., Buyle S., Macário S., 2023, "Airline brand awareness and perceived quality effect on the attitudes towards frequent-flyer programs and airline brand choice-Moderating effect of frequent-flyer programs", Journal of Air Transport Management, Volume 107, March 2023, 102342, Elsevier

11. Oliveira M., Arruda E., Luz G., Macário R., 2022, The impact of the European Development Fund and European Bank as financing sources on traffic estimation biases, *Research in Transportation Business & Management*, <https://doi.org/10.1016/j.rtbm.2022.100884>, Elsevier
12. Lopes dos Santos G., Macário R., Delaplace M., Di Vita S., 2022, The Long-Standing Issue of Mobility at the Olympics: From Host Cities to Host Regions in the Ongoing Case Study of Milan–Cortina 2026, *Sustainability Special Issue "Transport Systems for Sustainability: Policy, Planning and Exploitation"*, Volume 14, issue 2, 2022.
13. Macário R., Reis V. (Ed) 2021, Special Issue (open access) "Transport Systems for Sustainability: Policy, Planning and Exploitation" special issue of Sustainability (ISSN 2071-1050), section "Sustainable Engineering and Science".
14. Schubert, D., Sys, C. & Macário, R. (2021) Customized airline offer management: a conceptual architecture. *J Revenue Pricing Manag* (2021), Springer, <https://doi.org/10.1057/s41272-021-00358-3>
15. Falcão V., Silva F., Oliveira F., Negri N., Andrade M, Brasileiro A., Eller R, Macário R., 2021, Scientific investigations in air transport about Brazil: A bibliometric review, *Case Studies on Transport Policy*, Volume 9, Issue 4, 2021, Pages 1912-1921, ISSN 2213-624X, <https://doi.org/10.1016/j.cstp.2021.10.012>.
16. Cavusoglu S. S., Macário R., 2021, "Minimum delay or maximum efficiency ? Rising productivity of available capacity at airports: review of current practice and future needs", in *Journal of Air Transport Management* vol 90.
17. Garcia C., Macário R., Menezes E., Loureiro F., 2021, Correction to: Strategic Assessment of Lisbon's Accessibility and Mobility Problems from an Equity Perspective, *Networks and Spatial Economics* 21(3) pp769
18. Macário R., 2020, Home deliveries, in Vickerman R., *Encyclopaedia of Transport*, Elsevier
19. Renata L., Macário R., 2020, "Public Policy framework supporting "mobility-as-a-service" implementation", in *Research in Transportation Economics*, volume 83, November 2020, Elsevier
20. Macário R., 2020, "Tracing factors for quality of decision in transport infrastructure investment" in *Franco Angelli journal "The decision-making process for infrastructural investment choices, Italy*
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8. Macário R, 2020, “Perspectiva de longo-prazo na procura de transporte aéreo pós-covid”, in ADFER SIT Congress 2020 ([Keynote](#))
9. Macário R., 2020, Mudanças e desafios da economia circular no Transporte de Mercadorias e Logística, Jornadas LNEC, Economia Circular: construir o futuro, Setembro 2020
10. Macário R., 2020, From problems to solutions: how to support innovative transport systems, HiReach and Inclusion Final conference ([Keynote](#))
11. Macário R, 2020, “Criar e capturar valor: próximos desafios das PPP” Key note, seminário “Experiências internacionais em PPPs e Concessões no Seminário Alianças Público-Privadas, Desafios e Oportunidades para o Brasil”, realizado pela Secretaria de Planejamento e Gestão do Estado do Ceará, 5Fev2020, Fortaleza, Brasil ([Keynote](#))
12. Macário R, 2019, “Air Transportation Sustainability and Economic Strategies” at VII RIDITA Ibero American Air Transport Conference, October Covilhã Portugal
13. Macário R., 2019, “Intermodal Freight Transportation: assessing and validating change” at Evolutionary ATM, October 2019, Naples, Italy
14. Macário R., 2018, “Organizational Changes as a Result of Digitalization Trends” Transport Efficiency Day (TREFF) 2018 conference at the Lindholmen Science Park in Gothenburg, Sweden. ([Keynote](#))
15. Macário R., 2018, “Digitalisation: the perfect storm for logistics transformation”, TRA (Transport Research Arena) 2018 – Clean & Digitalized Logistics: opportunities for sustainable growth and jobs, April 2018, Vienna, Austria ([Keynote](#))
16. Macário R., 2017, “MaaS, Mobility as a Service: O que vai mudar ?” Key note, XXXI Congresso ANPET Associação Nacional de Pesquisa e Ensino em Transportes– Recife Outubro 2017 ([Keynote](#))
17. Macário R., 2016, Sustainable urban mobility plans, 9th Urban Mobility India Conference, Ahmedabad, November 2016, India
18. Macário R., 2015, The Impacts of the new Road Quality Chart Rules in Turkish

- Transport System, at UND 41st Anniversaire - Logistics Infrastructure Development: Physical, Legal & Capital obstacles, Istanbul, October 2015
19. Macário R., 2015, Effective Urban Transport Policy Making. Transforming Transportation, World Bank, Washington
 20. Macário R., 2014, "Energy Challenges in Transport Policy: combined measures and decision making", plenary address, WHEC , 17th June, Gwangju, South Korea
 21. Macário R., 2014, "New approaches to Urban Access", Side event on Urban Logistics, ITF International Transport Forum Symposium, , 23rd May, Leipzig, Germany
 22. Macário R., 2014, "Effects of Policy and Institutional Design on Performance of PPPs for Mega Infrastructure Projects", MIPAD – Mega Infrastructure Planning Appraisal and Delivery Program, OMEGA Center, University College London, 5th March 2015
 23. Macário R., 2014, "Energy Challenges in Transport Policy: combined measures and decision making", Key note address at World Hydrogen Energy Conference in honour of Professor Nejat Veziroglu, Gwangju, South Korea
 24. Macário R., 2013, "Capital rich, Revenue poor, comes to an end: value creation and value capture in the aftermath" published in UITP (Union International of Public Transport) PT3/2013 on "Funding and Financing Public Transport"
 25. Macário R., 2013, "Modelos de negócio em logística urbana: boas práticas lá fora e cá dentro", (Business Models in urban Logistics: good practices inside and outside) Key note 16º Congresso de Logística, APLOG, 29 a 30 Oct 2013, Estoril, Portugal
 26. Macário R., 2013, Business Models for Sustainable Urban Mobility, ([Keynote](#)) at CIVITAS Forum 2013, 30th Sep-1st Oct 2013, Brest, France,
 27. Macário R., 2013, "Modernisation of Transport Systems: future challenges" in Conference "Transport: Privatisation, Financing and Sustainability", Chamber of Commerce Luso-Belgium-Luxemburg, Lisbon, Portugal, April 2013 ([Keynote](#))
 28. Macário R., 2013, Need for Next Generation of Transport Public Private Partnerships: Value Creation and Capture, Special Session COST TU1001, International Transport Forum, OECD, Leipzig, Germany, May 2013
 29. Macário R., 2013, "Public Private Partnerships Enhancing the instrument of EU Policy", in Conference "PPP – Body of Knowledge", Preston, UK, Mar 2013
 30. Macário R., 2012, "Public Private Partnerships in Ports: where are we ?," How to finance future port infrastructure investments? Expert meeting organised by 'Steunpunt Goederen- en personenvervoer' within the Department of Transport & Regional Economics – University of Antwerp', Nov 2012 ([Keynote](#))
 31. Macário R., 2012, "Aim and Manage for Inclusive Access", in the 13th Conference on Mobility and Transport for Elderly and Disabled Persons, New Delhi, Sep 17-20.
 32. Macário R., 2012, "Innovation policy as a driver for the development of urban Logistics", International Transport Forum (OECD), Leipzig, May 2012
 33. Macário R., 2012, Access as a social good and as an economic good: is there a need for a paradigm shift ?, VREF high level workshop on "Financing urban access", 7-12 May, Bellagio, Rockefeller Foundation, Italy

34. Macário R., 2011, Managing urban mobility systems: an integrated approach, Open lecture, Center for Environmental Planning and Technology University (CEPT), Amedhabad, India, December, 2011
35. Macário R., 2011, Research Challenges in Transportation and the role of International Societies and Networks, 1st Conference of Transport Research Group of India, Bangalore, India, 8 December, 2011
36. Macário R., 2011, "The emergence of new business models in urban logistics", 25 de Março 2011, Universidade de Cantabria; Espanha ([Keynote](#))
37. Macário R., 2010, "Effects of infrastructures at regional level: the Challenging Balance between Sustainability and Economic Growth", Seminário "Evaluación de los efectos de las vías de gran capacidad", Organizado pelo Ministério da Ciência e Inovação, Governo de Espanha e pela Universidade de Cantábria, 24 de Setembro de 2010, Santander;
38. Macário R., 2009, "Adjusting Institutions and Governance: a framework for discussion of the Reform of the Metropolitan Railways System of Cataluña, Barcelona, no "Symposium on Regulatory Reform in Metropolitan Areas";
39. Macário R., 2007, "Transport and global sustainability; key research needs." no "High Level Workshop "Responding to global challenges. The role of Europe and of International Science and Technology Cooperation" in Analysis and monitoring of research policies around the world, DG Research, International Cooperation, Brussels, 4/5 October 2007
40. Macário R., (2006), "Airports of the future: multifunctional platforms" na Conferência "The sky is not the limit: Trends in the Air Transport Business", organizada pela Universidade de Antuérpia, in Dezembro 2006
41. Macário R., (2006) "Energy Transitions in Transportation: Is it a Technology or a Policy Driven Process?" NATO in NATO Seminar "Assessment of Hydrogen Energy for Sustainable Development: Energy & Environmental Security", Julho de 2006 Istambul,

PERSONAL SKILLS AND COMPETENCIES

MOTHER TONGUE

Portuguese

LANGUAGES

Reading Skills Writing Skills Verbal Skills

English	Spanish	French	Italian	Dutch
Excellent	Excellent	Excellent	Regular	Basic
Excellent	Excellent	Regular	Basic	Basic
Excellent	Excellent	Good	Basic	Basic

ARTISTIC SKILLS AND COMPETENCES

Writing, Photography, Music

SOCIAL SKILLS AND COMPETENCIES

Strategic perspective, leadership and development of people: Easy integration in different social and cultural environments. Capacity to lead and manage change processes.
Good oral and written communication

ORGANISATIONAL SKILLS AND COMPETENCES

Coordination, development and management of teams, projects, budgets and meetings

DRIVING LICENCE(S)

Organisation of international events

Yes