

CURRICULUM VITAE

VASCO BARBOSA
Architect-Planner

BIOGRAPHICAL DATA:

Name: Vasco André Barbosa Brandão
Place of birth: Oporto
Nationality: Portuguese
Passport: CA757405

Portugal address:
Avª Bela Vista, 238
4465-592 Leça do Balio, Oporto

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ACADEMIC QUALIFICATION:

- 1995/2000 – Diploma in Architecture (BA and MA)
Oporto Lusiada University, Portugal.
department of architecture and planning;
- 2000/2001 – Specialization course in “Heritage, Architecture and regional development”
Oporto Lusiada University, Portugal.
department of architecture and post-graduate studies;
- 2007/2008 – Post-graduate course in “Spatial planning and environmental management”
Institute Superior of Viana do Castelo, Portugal.
department of territorial planning and GIS;
- 2010/2011 – MSc degree in “Sustainable management of land and territory”, Spain.
University of Santiago de Compostela, Spain.
Territorial and land use planning research center, LaboraTe;
- 2009/2013 – Ph.D. in Spatial-Territorial Planning. Spain.
University of Santiago de Compostela, Spain.
Territorial and land use planning research center, LaboraTe;
- 2014/2016 – Pos-Doctorate. Land use planning/Urban planning
Viçosa Federal University (Brazil).
Through a research project with Space Syntax (The Barlett School of Architecture, University College London, UK) applied to spatial-regional planning in a social-spatial context.
- 2017/2018 – Pos-Doctorate. Urban and Regional planning
University of Trás-os-Montes and Alto Douro (Portugal).
The research focuses on the transformations of urban settlements in the built environment/territorial structure of the Alto Douro Wine region, classified as a World Heritage Site by Unesco.

PROFESSIONAL EXPERIENCE:

University-Teaching experience

Professor:

- Jan 2019 – Present: Associate professor

University of La Sabana, Colombia.

- Lecturer in Urban Planning.
- Lecturer in Urban Analysis tools.
- Lecturer in Architecture and Sustainable Cities.

- Sep 2019 – Present:

- Director of the research group “Urban Planning and Territory_UPT at University of La Sabana

- Oct 2012 – Jul 2015: Associate professor

University School of Arts in Coimbra, Portugal.

- Lecturer in Spatial Planning.
- Lecturer in Regional and Urban Planning.

Visiting Professor:

- Jun 2020 – Present

The Pontifical Catholic University of Paraná, Brazil

Urban management Graduate program Ph.D

- Lecturer in Spatial Planning.

Invited Lecturer:

- 2020, “Urban futures: reflections and their challenges - paths and academic experiences”. Invited Lecturer at the Urban Management program, Pontifical Catholic University of Paraná. Brazil. Graduate program (Ph.D).

- 2019, “Space Syntax and Algorithms: tools to support urban and territorial planning in a social environment”. Invited Lecturer at the Interdisciplinary Center for Development Studies, University of Andes. Colombia.

- 2018, “Spatial Syntax and Algorithms: Research Tools In Urban Planning and Architecture”. Invited Lecturer at the Architecture department of Epoka University. Albania.

- 2017, Invited lecturer for Manchester University’s students at the University of Tras-os-Montes and Alto Douro entitled “Spatial syntax on the mitigation of forest fires: contribution to territorial planning”, March, Portugal.

- 2015, Lecturer in “Regional Development”,
Federal University of Palmas-Tocantins, Brazil. Graduate program (MSc/Ph.D)

- Since 2014, Lecturer in “Cultural heritage, Landscapes and citizenship”
Federal University of Viçosa, Brazil. Graduate program (MSc)

- Since 2013, Lecturer in “Spatial Planning and Environmental Management”,
Superior Institute of Viana do Castelo, Portugal. Graduate program (MSc)

Expert member of international institutions:

- Member of European Science Foundation (ESF) College of Research Associates, since 2020.
- Independent Expert Paris Region Fellowship Programme (ParisRegionFP), since 2020;
- Planner for Climate Action (P4CC), affiliate member of UN-Habitat, since 2019;
- Independent Expert of European Commission for: evaluation of proposals, monitoring of projects, and evaluation of programmes, and policy design, since 2018;
- Independent Expert of INSPIRE – Infrastructures for spatial information in Europe, since 2017;
- Independent External Expert of COST – European Cooperation in science and technology, European Union, since 2016;

Research adviser:

- Member of the World Academy of Science, Engineering and Technology, since 2017;
- Jul 2015 – Present: Associate researcher, University of Tras-os-Montes and Alto Douro, Portugal. at research center “CETRAD - Transdisciplinary Studies Center for Development”.
- Jan 2013 – Present: Consultant planning of LaboraTe, Territorial and planning land use research center, at University of Santiago de Compostela, Spain;

**Architecture and Urban planning experience
as Spatial-Urban planner:**

- Jul 2015 – Present: Associate researcher
University of Tras-os-Montes and Alto Douro, Portugal.
at research center “CETRAD - Transdisciplinary Studies Center for Development
- Feb 2009 – Dec 2013: Researcher
University of Santiago de Compostela, Spain
at LaboraTe, land use planning research center.

as Architect:

- Set 2002 – Jan 2011: Archistaff Architects.
Function and responsibility: Conceptual design project
- Abr 2003 – Jan 2009: Jaime Ribeiro construction enterprise.
Function and responsibility: Project coordination
- Set 2001 – Mar 2003: +interior Design Architects.
Function and responsibility: Project Assistant.

Area of expertise:

- Architecture project and conceptual design;
- Spatial planning;
- Urban/Regional planning;
- Space syntax (methodology from The Barlett School of Architecture, University College London, UK)
- Architecture and landscape heritage;
- Land use planning (urban/rural) and development;

PUBLICATIONS AND COMMUNICATIONS:

PUBLICATIONS

International review (JCR, peer review)

- Barbosa, V., Pérez-Rodríguez, F., Rojo-Alboreca, A., Ferreira Neto, J. A. (2018). "Selection of social and environmental criteria for the delimitation of rural settlements in Galicia, Spain" *Revista Facultad Agronomía Luz*, 35(1), 108-126.
- Barbosa, V., Santé, I., Crecente, R., y Díaz, C. (2015). "Evolution of legal criteria's for the identification and delimitation of the rural settlements in the Galicia, NO, Spain", *European planning studies*, 23-2, 398-429.
- Barbosa, V., Santé, I., Crecente, R., y Ferreira-Neto, J. (2014). "Social Analysis of the factors that influence the development and planning of rural settlements: the cases of the municipalities of Cervantes and Guitiriz in Galicia", *Dados - Revista de Ciências Sociais*, 57(3), 711-744.
- Porta, J., Barbosa, V., Parapar, J., Doallo, R., Santé, I., Crecente, R., y Díaz, C. (2013). "A PBIG Algorithm for the Delimitation and Zoning of Rural Settlements", *Computers, Environment and Urban Systems*, 39, 12-26.
- Barbosa, V., Urbietta, P., Bento, R., Ramos, L., (2020). Artificialization of urban space at the regional level: challenges to spatial planning. (in review process)
- Barbosa, V., Alonso, J., Koehnen, T., Ferreira Neto, J. A. (2020). Territories and resilient populations: space syntax methodology to support spatial planning. (in review process)
- Barbosa, V., Tedim, F., Alonso, J., Koehnen, T., Ferreira Neto, J. A. (2019). Use of space syntax to support forest fire mitigation: cross over contribution to territorial planning. (in review process)
- Barbosa, V., Porta, J., Parapar, J., Ferreira Neto, J. A., Santé, I., Crecente, R. (2019). Social landscape as index to delimit surrounding areas of rural settlements in Galicia, NW of Spain. (in review process)
- Barbosa, V., Porta, J., Parapar, J., Doallo, R., Santé, I., Crecente, R. (2019). Criteria to delimit rural settlements: spatial planning in rural space. (in review process)

International review (scientific refereeing)

- Barbosa, V., Santé, I., y Crecente, R. (2012). "The Rural Connection as a re-construction of a territorial structure: sustainable spatial criteria to delimit rural settlements following an algorithm", *International Journal of the Constructed Environment*, 2(2), 111-129.

Book chapters

- Barbosa, V., Bento, R., Ramos, L., Azevedo, N., (2018). "Territories of low density: concept and application to the Portuguese case." ed. Carril, P., González, R., Santamaria, J., McKenzie, F., In *Infinite Rural Systems in a Finite Planet: Bridging Gaps towards Sustainability*. 26th Annual Colloquium of the Commission on the Sustainability of Rural Systems International Geographical Union. 371-378. Universidad Santiago de Compostela. ISBN: 9788416954896.
- Barbosa, V., Santé, I., Crecente, R., y Ferreira-Neto, J. (2012). "El entorno inmediato del núcleo en el planeamiento rural. Delimitación como área de transición para aplicar la concentración parcelaria" ed. Crecente, R., Fra Paleo, U., In *Territorios a examen. trabajos de ordenación territorial*. 211, 91-113. Universidad Santiago de Compostela. ISBN: 978-84-9887-853-0.
- Barbosa, V., e Ferreira Neto, J.A. (2016). Política pública urbana: o programa de Polis para desenvolvimento social e ambiental. Tiburcio, T., eds., In *Seminário de Planeamento e Avaliação do Ambiente Construído*. Universidade Federal de Viçosa. (in press)

Papers in conference proceedings (scientific refereeing)

- Barbosa Brandão, V., Ferreira Neto, J.A. (2016). Programa polis: para além da requalificação urbana. Caso de estudo em Portugal. In Anais "IV ENANPARQ Encontro da Associação Nacional de Pesquisa e Pós-Graduação em Arquitetura e Urbanismo", Porto Alegre: PROPAR/UFRGS, p. 1-17. ISSN 2358-6214

- Barbosa-Brandão, V., Neto, José A.F. (2014). "A paisagem social como identidade territorial no espaço rural: delimitação da área de entorno de assentamentos rurais, Galiza, NO de Espanha", In *Seminário Internacional Representaciones de la Ciudad en el Mundo de habla portuguesa e hispana, Artes e território no mundo lusófono e histânico*, Madrid.

- Barbosa-Brandão, V., Riveira, Inés S., Crecente Maseda, R. (2011). "A evolução da lei do solo nos núcleos rurais da Galiza, Espanha", In *7th International Conference on Virtual Cities and Territories*, 583-592, Lisbon. ISBN: 978-972-96524-6-2.

Patent Product - official record

2014 - Barbosa-Brandão, V., Crecente Maseda, R., Riveira, Inés S., Porta, Juan., Parapar, Jorge., Doallo, Ramon. *Application for delimitation of rural settlements*. SC-116-2014. Registered in "Registro Territorial da Propriedade Intelectual da Galiza", Spain, 03/2014/812 ". Approved on 25 April.

RESEARCH PROJECTS

URBAN PLANNING AND ARCHITECTURE

(particular relevance with companies and/or public institution)

2021/2024 – Climate@InclusivePlaces. *Inclusive approaches and plans to climate action for equitable local planning. International research network*. Cyted: Iberoamerican Science and Technology Program for development. Role: principal researcher member; (in review process, final stage)

2021 - Land Use Planning. *Heritage in land use planning of the Bogotá city 2000-2019*. Financed by Science Ministry of Colombia, 32.500€. Participation of University La Sabana. Role: principal researcher member;

2020/2021 - Land Use Planning. *Popular memories and inherited urban plots: towards sociocultural integration in the construction of the First Line of the Bogotá Metro*. Financed by Science Ministry of Colombia, 32.500€. Participation of University La Sabana. Role: principal researcher member;

2018 - Spatial Planning. *Application of spatial syntax in the evaluation of urban development and landscape heritage into territorial planning. Draft application to UNESCO*. IACOBUS program. Financed by European Grouping of Territorial Cooperation, Galicia-Northern Portugal, 3.000€. Santiago Compostela University, department of Geography, Spain. Role: principal researcher member;

2013/2014 - Land Use Planning. *Typologies Definition for settlements classification which define the territorial system of Ecuador with planning and land management objectives*, Participation of Cuenca University, Ecuador and Santiago Compostela University, LaboraTe, Spain. Consultant project;

2008/2011 - Spatial planning and GIS. *Geographic information systems for urban planning and planning by optimisation techniques on multicore processors*, by "Xunta de Galicia PGIDT - 2007 - Sociedade da Información", University of Santiago Compostela, LaboraTe, GAC Coruña, GAC Santiago, GAU, Arquitectura e Urbanismo. Role: researcher member;

2009/2010 - Spatial planning and GIS. *Performance of a territorial information system the county of Portomarin: Fase I-Inventory*, (Municipal Master Plan) by "Xunta de Galicia", University of Santiago Compostela, LaboraTe, GAU, Arquitectura e Urbanismo. Role: researcher member;

2008/2010 - Spatial planning and GIS. *Performance of a territorial information system the county of Cervantes: phase I-Inventory*, (Municipal Master Plan) by "Xunta de Galicia", University of Santiago Compostela, LaboraTe, GAU, Arquitectura e Urbanismo". Role: researcher member;

SUPERVISION AND JURY DEGREE

- Thesis supervision (MSc/Ph.D)

2020 - MSc thesis title "*Spatial analysis proposal on behavior of urban mobility in Bogota, Colombia*", Viviana Velandia at the University La Sabana, Colombia. (on going)

2018 - Ph.D thesis title "*Definition of criteria for spatial fitness in protected areas: urban and rural contexts*", Bruno Cunha Gomes at the Federal University of Sergipe, Brazil.

2016 - MSc thesis title "*Information access: application of a SIG-Web viewer as a planning tool for protected landscapes*", Manuel Carballal Fernandez, MSc program in "Rural development" of the Federal University of Viçosa, Brazil.

2014 - MSc thesis title "*Permanence of the rural workers in the settlements projects: Volta Grande, Santa Emília, Martins I and Ilha do Coco in Mato Grosso*", Gabriel Caymmi Vilela Ferreira, MSc program in "Rural development" of the Federal University of Viçosa, Brazil.

- Pos-doctorate supervision/adviser

2021 - *Heritage in land use planning of the Bogotá city 2000-2019*. Adriana María Suárez Mayorga, University La Sabana;

2020/2021 - *Popular memories and inherited urban plots: towards sociocultural integration in the construction of the First Line of the Bogotá Metro*. Fabián Andrés Llano. University La Sabana.

2018 – Adviser for the research project entitled "*Educational programs in support of the planning teaching process*", Andrecksia Viana Oliveira Sampaio, from Universidade Estadual do Sudoeste da Bahia (UESB), Brazil at the University Tras-os-Montes e Alto Douro, Portugal.

2018 - Adviser for the research project entitled "*Challenges of rural development: territorial planning realities of Brazil and Portugal*", Vilomar Sandes Sampaio, from Universidade Estadual do Sudoeste da Bahia (UESB), Brazil at the University Tras-os-Montes e Alto Douro, Portugal.

- Jury for doctoral degree (Ph.D)

2016 - Ph.D student Jose Jorge Salgado Behaine, doctoral thesis's title "*Spatial determinants of technical efficiency in Brazilian industry*", Ph.D program In "Science and Technology" of the Federal University of Viçosa, Brazil.

2016 - Ph.D student Dália Filipa Veloso de Azevedo Liberato, doctoral thesis's title "*Border tourism: application in the Luso-Spanish border region*", Ph.D program In "Dirección y Planificación del Turismo" of the University of Vigo, Spain.

2015 - Ph.D student Pedro Manuel da Costa Liberato, doctoral thesis's title "*Evaluation of the tourism experience in a smart destination: the case of Porto*", Ph.D program In "Dirección y Planificación del Turismo" of the University of Vigo, Spain.

- Jury for master degree (MSc)

2016 - MSc student Manuel Carballal Fernandez, moderator master thesis's title "*Information access: application of a SIG-Web viewer as a planning tool for protected landscapes*", MSc program in "Rural development" of the Federal University of Viçosa, Brazil.

2014 - MSc student Gabriel Caymmi Vilela Ferreira, master thesis's title "*Permanence of the rural workers in the settlements projects: Volta Grande, Santa Emília, Martins I and Ilha do Coco in Mato Grosso*", MSc program in "Rural development" of the Federal University of Viçosa, Brazil.

2014 - MSc student Diego Camelo Moreira, moderator of master thesis's title "*Development and territorial organization: an analysis of land management policies in Brazil and Galicia*", MSc program in "Rural development" of the Federal University of Viçosa, Brazil.

- Scientific reports (MSc/Ph.D)

2015 – Doctoral thesis for the University of Vigo, Spain, entitled “*Mapping for the monitoring and control of Hakea Sericea areas with remote sensing processes (satellite and drone)*”, PhD student Cláudio Alexandre Costa Araújo Paredes, from Superior Institute of Viana do Castelo, Portugal. Doctor degree with European-international mention.

RESEARCH ACTIVITIES

- Scientific reviewer in international journals

Urban Planning and Architecture subjects

- Journal of Architectural and Planning Research
- International Journal of Urban and Regional Research
- Urban Design International
- Computers, Environment and Urban Systems
- Revista Brasileira de Estudos Urbanos e Regionais

Land Use Planning subject

- Landscape and Urban Planning
- Land Use Policy
- Environment and Planning B
- Planning Theory & Practice
- Planning Practice and Research

Geography (human-social) subject

- Regional Studies
- Sustainability
- Journal of Environmental Management
- Scripta Nova-Revista Electronica de Geografia y Ciencias Sociales
- Dados – revista de Ciencias Sociais

- Member of editorial board and scientific committee

- International Journal of Advanced Urban Research
- International Journal of Advanced Architectural Research
- Journal of Engineering Sciences and Technologies
- International Journal SCIREA Journal of Geosciences
- International Scientific Committee and Editorial Review Board on Architectural and Environmental Engineering, WASET
- International Scientific Committee and Editorial Review Board on Urban and Civil Engineering, WASET
- AMPS International research organization-ArchitectureMPS journal
- Oct 2012 - Jul 2015: Member of the scientific council and the architectural degree evaluation board at the University School of Arts, Coimbra, Portugal;

- Research fellowships

- Research grant of the European Grouping of Territorial Cooperation, Galicia-Northern Portugal: “IACOBUS program”. Santiago de Compostela University, department of Geography, Spain, 2018;
- Post-doctoral fellowship “CAPES/CNPq - national research program”, Brazil, 2014/2016;
- Research scholarship by Santiago de Compostela University for collaboration in the research project “Spatial planning and cartographic of the municipality of Guitiriz (Municipal Master Plan)”, 2011/2012;
- “Student mobility in studies of doctorate with quality mention” by the Ministry of Education of Spain, 2009/2010;

- Research scholarship by Santiago de Compostela University for collaboration in the research project “Performance of a territorial information system the county of Cervantes: phase I-Inventory, (Municipal Master Plan)”, 2009/2010;

- Academic awards

- Academic merit award, by the Institute Superior of Viana do Castelo, Portugal. March, 2017.

Current research interests:

- Urban design and Urban transformations;
- Spatial planning (social and environmental contexts);
- Urban planning applied to climate change
- Space syntax applied to inclusive places and urban development;
- Evaluation of public planning policies;

Languages:

	conversation	reading	writing
Portuguese	native	native	native
English	medium	good	medium
Spanish	good	good	good
French	medium	medium	elementary

Technical knowledge:

- MS office (microsoft/apple products);
- Auto CAD;
- Depthmap Space Syntax (UCL);
- Geographic information systems, ArcGIS, ArcGis Pro, Qgis;
- GeodaSpace
- R Studio;

Oporto, October 2021
 Vasco Barbosa
 Architect - Urban Planner

