



Date of birth: 1st of October of 1982 **Place of Birth /Citizenship:** Porto, Portugal/Portuguese
Current address: Avenida Nascente, 152 Praia de Faro 8005-520 Faro

Education:

UNIVERSITY OF AZORES

2009-2013 PhD in natural resources management (Approved with honours and distinction). **Thesis:** How can science contribute for the sustainable management of natural resource? Praia da vitoria bay and Guadiana estuary, a comparative study. Defended on 5th of April 2013

Work supervised by: Professor Tomaz Dentinho (GGCN director, Azores University) and Professor Tomask Boski (CIMA director, Algarve University)

ALGARVE UNIVERSITY

2007 Master in Integrative Management of marine resources **Thesis:** Contribution for the development of an integrated management plan for conservation of the meadows of *Zostera noltii* in Ria Formosa”

Work supervised by: Alexandra Cunha (CCMAR, Algarve University), Rosemarie Luís (ICNB) and João Filipe Marques (CIEO, Algarve University)

ALGARVE UNIVERSITY

2006 Basic Honours Degree in Marine Biology

ROYAL HOLLOWAY, LONDON UNIVERSITY

2004 Erasmus Student Exchange Program

Training:

135 hours of training in citizens’ participation: methodology and techniques, facilitation, conflict management, negotiation and mediation, project management.

Appointments and professional activities:

DEC 2014 – TODAY: Post-Doc grant SFRH/BPD/94556/2013: SharePath: Transdisciplinarity as a shared path to handle landscape management: How far can we go?

MAR 2014- NOV 2014: Post-Doc grant in Policy guidelines for the regeneration in shrinking cities project, FCT funded project at Algarve University (EXPL/ATP-EUR/0464/2013)

JAN 2013-FEV 2014: Post-Doc grant in FarmPath (*Farming Transitions: Pathways towards regional sustainability of agriculture in Europe*) EU project at Évora University

JAN 2009 – DEC 2012: PhD grant at Azores University in collaboration with Algarve University, Portugal

OCT 2008– DEC 2008: Research assistant at Centre for Marine and Environmental Research (CIMA), Algarve University, Portugal

JUL 2008 – SEPT 2008: Research assistant at Flanders Marine Institute (VLIZ), Oostende, Belgium.

JAN 2007 – FEV 2007: Research assistant at Sustainable Regional Development Office, Azores University

JUL 2006 – JUL 2006: Research assistant, at Center of Marine Sciences of Algarve, Algarve University

Research interests:

Territory and landscape studies	Participatory approaches	Integrative modelling
Systems thinking/ Social-ecological systems	Governance	Transdisciplinarity
Environmental and ecological economics	Regional Science	Sustainability

Projects participation:

- [POPA - Azores fisheries observer programme](#) (2004)

- [LobAssess – Norway lobster stocks in Portugal: Assessment using information on larval production and ecology](#) (2005-2008)
- [Avaliação Custo-Benefício do Plano Nacional do Ambiente Acção e Saúde](#) (2007-2013)
- [Marbef - Marine Biodiversity and Ecosystem Functioning EU Network of Excellence](#) (2004-2009)
- [SPICOSA - Science and policy integration for coastal systems assessment](#) (2007-2011)
- [PGaE-VALUE- Feasibility Study on the Valuation of Public Goods and Externalities in EU Agriculture](#) (2011-2012)
- [FARMPATH - Farming Transitions: Pathways towards regional sustainability of agriculture in Europe](#) (2011-2014)
- EXPL/ATP-EUR/0464/2013 – “Policy guidelines for regeneration in shrinking cities” (2014-2015)
- SharePath: Transdisciplinarity as a shared path to handle landscape management: How far can we go? (ongoing)
- COST ACTION (TD1408) INTREPID: Interdisciplinarity in research programming and funding cycles (2015-2019)
- TERTULIA DO POLVO – Participatory process toward co-management of the octopus fishery in the Algarve region (2015-2015)
- MINOUW - [Science, technology and society initiative to minimize unwanted catches in european fisheries](#) (2015-2019)
- PEGASUS – [Public Ecosystem Goods and Services from land management – Unlocking the Synergies](#) (2015-2018)

Journal Publications:

Barreira A. P., Agapito D. L. M., Panagopoulos, T., **Guimarães M.H.** (in press). Exploring residential satisfaction in shrinking cities: A decision-tree approach. *Urban Research & Practice*

Guimarães, M.H., Nunes, L.C., Barreira, A.P., Panagopoulos, T. (in press) Residents’ preferred policy actions for shrinking cities: A case study from Portugal. *Policy Studies* (impact factor:0,486)

Guimarães, M.H., Nunes, L.C., Barreira, A.P., Panagopoulos, T. (in press) What makes people stay in or leave shrinking cities? – An empirical study from Portugal. *European Planning Studies*. (impact factor: 1.025)

Alves D., Barreira, A.P., **Guimarães, M.H.**, Panagopoulos, T. (2016) [Historical trajectories of currently shrinking Portuguese cities: Bridging theories of urban shrinkage](#). *Cities* 52; 20-29. (impact factor: 1,728)

Guimarães, M. H., Barreira, A. P., & Panagopoulos, T. (2015). Shrinking cities in Portugal – Where and why, *Revista Portuguesa de Estudos Regionais*, 3º Quadrimestre, nº 40.

Guimarães M.H., Nunes L. C., Madureira L., Santos J. L. , Boski T., Dentinho T. (2015). [Measuring birdwatchers preferences: A case for using online networks and mixed-mode surveys](#). *Tourism Management* 46: 102-113 (impact factor 2.377)

McKee A., **Guimarães, M.H.**, Pinto-Correia T. (2015). [Social capital accumulation and the role of the researcher: An example of a transdisciplinary visioning process for the future of agriculture in Europe](#). *Environmental Science & Policy* 50: 88-99 (impact factor 3.514)

Panagopoulos T., **Guimarães M.H.**, Barreira A. P. (2015). [Influence on citizens’ policy preferences for shrinking cities: a case study of four Portuguese cities](#), *Regional Studies, Regional Science*, 2:1, 140-169

Guimarães M.H., McKee A., Lima M.L., Vasconcelos L., Boski T., Dentinho T. (2014). [Putting transdisciplinarity into practice: a mixed mode procedure for stakeholder participation in natural resource management](#). *Journal of Environmental Planning and Management* 58 (10): 1827-1852(impact factor 1.455)

Guimarães M.H., Madureira L., Nunes L.C., Santos J.L., Sousa C., Boski T., Dentinho T. (2014). Using Choice Modeling to estimate the effects of environmental improvements on local development: When the purpose modifies the tool. *Ecological Economics* 108: 79-90 (impact factor 2.517)

Guimarães M. H., Boski T., Dentinho T. (2014). [Economic Base Model for Guadiana Estuary - An application for Integrated Coastal Zone Management](#). *Marine Policy Journal* 43: 63–70 (impact factor 1.865)

Guimarães, M. H., Ballé-Béganton, J., Bailly, D., Newton, A., Boski, T., Dentinho, T. (2013). [Transdisciplinary conceptual modeling of a social-ecological system — A case study application in Terceira Island, Azores](#). *Ecosystem Services Journal* 3: 22–31

Guimarães M.H., Cunha A., Luis R., Marques J. (2012). [The distribution of seagrass \(*Zostera noltii*\) in the Ria Formosa lagoon system and the implications of clam farming on its conservation status](#). *Journal for Nature Conservation* 20: 30-40 (impact factor: 1.864)

Guimarães, M.H., A. Mascarenhas, C. Sousa, T. Boski, and T. Ponce Dentinho (2012). [The impact of water quality changes on the socio-economic system of the Guadiana Estuary: an assessment of management options](#). *Ecology and Society* 17(3): 38. (impact factor of 3.310).

Guimarães, M.H., Sousa C., Garcia T., Dentinho T., Boski T. (2011). [The value of improved water quality in Guadiana estuary— a transborder application of contingent valuation methodology](#). *Letters in Spatial and Resource Sciences* 4(1): 31-48.

Guimarães, M. H. (2010). The use of Q-methodology to obtain stakeholder Discourses on the future development of Ria Formosa Coastal zone, south of Portugal. *Revista Portuguesa de Estudos Regionais* 23, 5-19.

Guimarães, M., Mascarenhas A., Sousa C., Boski T., Dentinho T. (2010). System Approach for Coastal Zone Management: Application in Southeast Coast of Terceira Island and Guadiana Estuary. *Geographic Technologies Applied to Marine Spatial Planning and Integrated Coastal Zone Management*. H. Calado and A. Gil. Ponta Delgada, S. Miguel, Açores, Centro de Informação Geográfica e Planeamento Territorial. Agosto 2010.

Book:

- Barreira, A. P., Panagopoulos, T., & **Guimarães, M. H.** (2015). Policies for cities that lose population. University of Algarve and Fundação para a Ciência e Tecnologia, ISBN: 978-989-8472-66-3.

Book Chapters:

- Gil F., **Guimarães M.** (2011). Avaliação de atitudes e valores de agentes de desenvolvimento regional. Metodologia Q., in: Silva Costa J, Dentinho T., Nijkamp P. (Eds.), *Compêndio de Economia Regional*, vol II: Métodos e técnicas de análise regional. Principia, Coimbra, pp. 643-662.

- Pinto Correia, T. Mckeen A., **Guimarães M.** (2014). Transdisciplinarity in Deriving Sustainability Pathways for Agriculture In: Sutherland L., Darnhofer I., Wilson G., Zagata L. (Eds), *Transition pathways towards sustainability in European agriculture*. ©CAB International 2014

Handbooks, Policy briefs, Reports and Thesis:

- **Guimarães, M. H.** (2013). How can science contribute for the sustainable management of natural resources? Praia da Vitória bay and Guadiana estuary – a comparative study. PhD Thesis. Azores University.

- Madureira L., Lima Santos J., Ferreira A., **Guimarães H.** (2012). Feasibility Study on the Valuation of Public Goods and Externalities in EU Agriculture. Final Report. University of Trás-os-Montes e Alto Douro. A study Commissioned by: European Commission, Joint Research Centre. Institute for Prospective Technological Studies, Agriculture and Life Sciences in the Economy, Contract No. 152423

- **Guimarães, M. H.** (2007). Contribution for the development of an integrated management plan for conservation of the meadows of *Zostera noltii* in Ria Formosa. Master Thesis, Algarve University.

- Handbook on '[regional sustainability of agriculture](#)'

- Policy brief entitled [Regional Sustainability of Agriculture: Adapting Institutions and Policies to Enable Transition](#)

- Policy Brief: [Políticas de Regeneração Urbana Opiniões dos residentes em cidades que estão a perder população](#)

Conference proceedings:

- Barreira A., Panagopoulos T., Guimarães M. (2014). Urban growth and urban decline: Are the dynamics the same? 10th International Congress of the Hellenic Geographical Society. Thessaloniki 2014

- Guimarães M., Barreira A., Panagopoulos T. (2014). Shrinking Cities in Portugal – where and why. 20th APDR Congress – Renaissance of the regions of Southern Europe. Évora 2014

- Guimarães M., Pinto-Correia T. (2013). The role of transdisciplinarity while studying transitions to sustainability in farming. ESADR 2013 - Economia, Sociologia, Ambiente e Desenvolvimento Rural, Évora, 2013

- Guimarães M., Madureira L., Nunes L., Santos, J. (2012). Getting closer to unlisted target populations using mixed-mode surveying. An application of choice modeling to international birdwatchers in Terceira Island, Azores. 19th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Prague, 2012.

- Guimarães M., Madureira L., Nunes L., Santos J., Sousa C., Boski T., Dentinho T. (2012). Bird watching in Praia da Vitória Bay, Azores: Can tourists get involved in nature management? 18th Annual Conference of the Portuguese Association of Regional Development (APDR), Faro, 2012.

- Guimarães, M. H., Ballé-Béganton, J., Bailly, D., Newton, A., Boski, T., Dentinho, T. (2012). Transdisciplinary conceptual modeling of a socio-ecological system. 6th International Congress on Environmental Modeling and Software (iEMSs) 1 - 5 July 2012, Leipzig, Germany.

- Guimarães M., Vasconcelos L., Dentinho T., Boski T (2011). Q methodology to define policy issues and promote stakeholder dialogue in Praia da Vitória Bay in Terceira, Azores. 51st Congress of European Regional Science Association (ERSA), Barcelona, 2011.

Oral Presentations:

- Guimarães, M.H. (2015) - Management of natural resources: Science Integration and stakeholder participation. Presented at the Seminars on socio-economic challenges on coastal zone within the master course of Marine and Coastal systems

- Guimarães, M.H. (2015) – Stakeholder participation, science and policy integration and participatory methodologies presented at the Scientific communication discipline of the International Master on Biodiversity and Marine Conservation.

- Guimarães, M.H., Barreira, A.P., Panagopoulos, T. (2014) Shrinking cities in Portugal – Where and why, Paper presented at the 20th APDR Congress, 10-11 July, Évora, Portugal.

- Guimarães M., Madureira L., Nunes L., Santos, J. (2012). Getting closer to unlisted target populations using mixed-mode surveying. An application of choice modeling to international birdwatchers in Terceira Island, Azores. 19th Annual Conference of the European Association of Environmental and Resource Economists, Prague, 2012.

-Guimarães M., Madureira L., Nunes L., Santos J., Sousa C., Boski T., Dentinho T. (2012). Bird watching in Praia da Vitória Bay, Azores: Can tourists get involved in nature management?, 18th Annual Conference of the Portuguese Association of Regional Development (APDR), Faro, 2012.

- Guimarães M., Ballé-Béganton J., Bailly D., Newton A., Boski T., Dentinho T. (2012). Transdisciplinary conceptual modeling of a socio-ecological system. International Congress on Environmental Modeling and Software, Leipzig, 2012

- Guimarães M., Vasconcelos L., Dentinho T., Boski T (2011). Q methodology to define policy issues and promote stakeholder dialogue in Praia da Vitória Bay in Terceira, Azores. 51st Congress of European Regional Science Association (ERSA), Barcelona, 2011.

- Guimarães H., Boski T., Dentinho T. (2011). Economic Base Model for Guadiana Estuary - An application for Integrated Coastal Zone Management. 51st Congress of European Regional Science Association (ERSA), Barcelona, 2011.

- Guimarães M. (2011). System Approach Framework. Seminar about Scientific Culture on the 21st century, Terceira, 2011

- Boski T., Mascarenhas A., Guimarães M., Sousa C. (2011). GUADEX. Plataforma de Gestão Costeira Integrada aplicada no Estuário do Guadiana. Forum Guadiana, Isla Cristina, 2011.

- Guimarães M., Ballé-Béganton J., Bailly D., Newton A., Boski T., Dentinho T. (2011). Conceptual Models as Tools to Design a System in a Transdisciplinary Setting, case study application in Terceira Island, Azores. 2nd International Symposium on Integrated Coastal Zone Management, Arendal, 2011 **AWARDED AS THE BEST STUDENT PRESENTATION**

- Guimarães M., Mascarenhas A., Sousa C., Boski T., Dentinho T. (2010). System Approach for Coastal Zone Management: Application in Southeast Coast of Terceira Island and Guadiana Estuary. Summer School for Marine Spatial Planning GISlands, São Miguel, 2010 **HONORABLE MENTION**

- Guimarães M., Dentinho T. (2010). Formation and occupation of the Atlantic Coastline – preliminary contribution. International Seminar on Formation and Occupation of Atlantic Coastline, Porto, 2010.

- Guimarães M., Mascarenhas A., Dentinho T., Boski T. (2010). System Approach Framework for Coastal Management. Science and Wine Event, Terceira, 2010

- Guimarães M., Cunha A., Luis R., Marques J. (2010). Implications of clam farming and stakeholder's perception on the *Zostera noltii* cover distribution in Ria Formosa (Southern Portugal). International Conference on Coastal Conservation and Management, Estoril, 2010

- Guimarães M., Mascarenhas A., Sousa C., Boski T., Dentinho T. (2010). System Approach Framework for coastal management – a comparative study. 16th APDR Congress - Space of hinge, border channels and Nodes, Madeira, 2010

- Boski T., Mascarenhas A., Guimarães M., Sousa C. (2010). Knowledge Integration Platforms for a better Management of an Environmental Pearl - The case of the Guadiana Estuary. International Conference Series on Innovation for Sustainability, Faro, 2010

- Boski T., Mascarenhas A., Guimarães M., Sousa C. (2010). System Approach Framework Development Guadiana Estuary SSA 11. 5th SAF Meeting, Istanbul, 2010.

- Guimarães M. (2009). The use of Q-methodology to obtain stakeholder Discourses on the future development of Ria Formosa Coastal zone, south of Portugal. 15th APDR Meeting, Cape Verde, 2009. **BARTOLOMEU PRIZE FOR YOUNG SCIENTISTS**

- Guimarães M., Dentinho T. (2009). Economic component of SAF in Guadiana estuary. 4th SPICOSA annual meeting, Rome, 2009

- Guimarães M., Dentinho T. (2009). Economic component of SAF in Guadiana estuary. 4th SPICOSA annual meeting, Economic Workshop, Brussels, 2009

- Guimarães, M., Sousa C., Garcia T., Dentinho T., Boski T. (2009). The value of improved water quality in Guadiana estuary—a transborder application of contingent valuation methodology. 49th Congress of ERSA, Lodz, 2009

- Guimarães M., Cunha A., Luis R., Marques J. (2006). The distribution of seagrass (*Zostera noltii*) in the Ria Formosa lagoon system and the implications of clam farming on its conservation status Second seminar of lagoon system, St. André, 2006

Teaching:

a 2-day workshop - Public Participation theory and methodology for the sustainable management of groundwater included in the Erasmus MS Programme in Groundwater and Global Change - Impacts and Adaptation - 2016 **a** Conceptual Modelling, Simulation Modelling and Q Methodology- Nature Conservation Master 2011 and 2010 Editions, **a** Q Methodology Workshop- Azores University, 2010, **a** From 2005-2007 I worked at a science center dedicated to communicate science and I was constantly providing guided tours to visitors, explaining the expositions, I also did the same task at the basic schools level and in specific events. In addition I was also a nature tourism guide.

Jury:

Andreia Correia da Costa (2015) – *Birdwatching profile in the Ria Formosa Natural Park*. Master degree in Economy of Tourism and Regional Development

Research stays:

1) Brest University, Brest (France) 2011: Project based SAF training seminar. **2)** Stockholm University, Department of Systems Ecology (Sweden) 2009: SAF Training workshop. **3)** Brussels University (Belgium), 2009: Economic and Extend Simulation model workshop **4)** VITO, Flemish Institute for Technological Research (Belgium) 2008: Extend Simulation modeling **5)** Vlaams Instituut voor Zee (VLIZ), Oostend (Belgium), 2008: ICZM tools **6)** Royal Holloway, London University (England). 2004. Animal Behavior. **7)** Marine Biology Station, Concarneau (France). 2003: Physiological ecology of algae

Editorial activity:

Reviewer for Ocean and Coastal Management, Journal of Ecosystem Services and Estuarine, Coastal and Shelf Science journals

Awards & Grants:

1) Socrates Program Grant 2003, Erasmus student Grant 2004, Leonardo da Vinci Grant 2008, [DRCT](#) PhD grant (2009 to 2012), **5)** DRCT project 2012, **6)** 2009-2012 DRCT, Algarve and Azores University grants for conference attendance **7)** [Bartolomeu Award](#) in 2009 for the work presented in Associação Portuguesa para o Desenvolvimento Regional 2009 Meeting, **8)** Honourable Mention in the [Summer School for Marine Spatial Planning GISlands](#) 2010, **9)** First Prize for best student Presentation at the [2nd International Symposium on Integrated Coastal Zone Management](#), 2011, **10)** Honourable Mention in the Competition of Ideas to create Innovative Companies 2011, [Division of Technological Transfer and entrepreneurship of Algarve University](#)

Collaboration in master and PhD studies:

1) Padrón M.T.G (2009). Modelización participativa del sistema de gestión de residuos sólidos de la isla de Corvo. Master Thesis of the Master Gobernabilidad para un desarrollo sostenible. Universidad de La Laguna with the collaboration of Azores University

- 2) Mas J. T. (2009). Simulation of Economic Benefits achieved by water by water quality improvement for recreational and professional users, within the SPICOSA SSA 11- Guadiana Estuary Ecosystem. Earsmus Mundus European Joint Master in water and coastal management
- 3) Gonçalves, D.(2011), Spiny lobster fishery on the southwest coast of Portugal: Conciliating fisheries and conservation, Master Thesis, Algarve University
- 4) Espigares F. C (2009). Eurodiseia Programm between Barcelona University and Azores University. Final work for Natural Science Degree on management of public goods and participation mechanisms.
- 5) Sonderblohm C. (on-going). Spatial and temporal dynamics of the Portuguese Octopus fishery of Sotavento Algarvio - Using a Geographical Information System (GIS) to introduce a community-based management process. PhD thesis Algarve University Grant reference: SFRH / BD / 51274 / 2010