

## Overview

### 1. Personal data

<b>Full Name</b>	Jorge Humberto Palmeira Ramos
<b>Name under which you publish</b>	Ramos, J.
<b>Work address</b>	Centro de Investigação em Turismo, Sustentabilidade e Bem-estar / CIEO - Research Centre for Spatial and Organizational Dynamics University of Algarve - Campus de Gambelas 8005-139 Faro Portugal

### 2. Academic degrees

<b>Year:</b> 2008
<b>Degree:</b> DOUTORAMENTO
<b>Final grade:</b> Degree awarded
<b>Degree granting institution:</b> University of Portsmouth
<b>Thesis title:</b> Socio-economic implications of artificial reef deployment: a Portuguese case study
<b>Supervisor:</b> Professor David Whitmarsh
<b>Co-supervisor:</b> Doutor Miguel Neves dos Santos
<b>Scientific area:</b> Economia
<b>Program title:</b> PhD in Fisheries Economics and Management
<b>Year:</b> 2001
<b>Degree:</b> MESTRADO
<b>Final grade:</b> Pass
<b>Degree granting institution:</b> University of Portsmouth
<b>School/College/Campus:</b> n/a
<b>Thesis title:</b> Economic evaluation of marine ranching
<b>Supervisor:</b> Professor David Whitmarsh
<b>Year:</b> 2003
<b>Degree:</b> PgC - Post-graduate Certificate
<b>Final grade:</b> Degree awarded
<b>Degree granting institution:</b> University of Portsmouth
<b>Scientific area:</b> Ciências Sociais
<b>Number of curricular years:</b> 1
<b>Program title:</b> Social Research Methods

### 3. Previous activity and current status

Período	Cargo, categoria ou actividade	Instituição
01-1-2008 a 31-12-2015	Co-supervision of a PhD candidate in issues related to social and economic analysis (including tourism) of artificial reefs deployed off Sal Island (Cape Verde) under the scope of the Rebuilding Nature project (www.rebuildingnature.org).	IPIMAR/IPMA, I.P., Olhão, Portugal
01-8-2015 a 01-6-2016	Team member and services providing contract under the scope of the project "Elaboração de estudos de caracterização do estado de colonização e impacto socioeconómico do recife artificial da Nazaré" - PROMAR Program (02-PE/2011/G3).	Sub-contracted by Instituto Politécnico de Leiria, Pólo de Peniche (MARE) and Portuguese Institute for the Ocean and Atmosphere, Lisbon headquarters.
01-8-1997 a 31-7-1999	Research Technician: Research Assistant grant - Program PRAXIS XXI/BTI/12088/97	University of Algarve - Campus de Gambelas, 8000 Faro
01-6-2002 a 31-5-2006	PhD - Scientific Research (FCT Grant - SFRH/BD/6197/2001)	IPIMAR/CRIPSul (Portugal) and Univ. of Portsmouth (United Kingdom)
01-6-2006 a 31-12-2008	Scientific Research (Project Grant: IPIMAR - cat. IC2)	INRB - IPIMAR Olhão, Portugal
01-11-2010 a 30-11-2012	Scientific Research (Research Grant, level 2) - FP7(2007-2013) project under grant agreement no 245178: "COEXIST - Interaction in European coastal waters: A roadmap to sustainable integration of aquaculture and fisheries".	IPIMAR, I.P. Olhão, Portugal
01-12-2012 a 31-12-2014	Scientific Research (Research Grant, level 1: Project "Avaliação do impacto da área de produção agrícola da Armona no ecossistema costeiro e comunidades locais") - PROMAR Program project 31-03-01-FEP-0014	Portuguese Institute for the Ocean and Atmosphere - IPMA, I.P. Olhão, Portugal

### 4. Area of scientific activity

Nature-based tourism (eco-tourism), focusing particularly on SCUBA diving on one hand and salt pans on the other hand. Fisheries socioeconomic. Socioeconomic studies related to artificial reefs. Ecosystem services provided by marine ecosystems. Stakeholder analysis in coastal activities (fisheries, aquaculture, tourism, other).

### 5. Present research interest

<b>Domain of specialization</b>	Socio-economic related areas on eco-tourism, fisheries and aquaculture.
<b>Current research interests</b>	Eco-tourism, Fisheries and Offshore Aquaculture Interaction, Multicriteria Analysis - MCA, Fuzzy Logic, Bayesian Belief Networks - BBN Ecosystem Services, Economic Analysis, Analytic Hierarchy Process - AHP, Stakeholder Analysis, Marine Resources, Socio-Economics, Artificial Reefs.
<b>Other professional interests/activities</b>	Eurostat brief course (Faculty of Economics, University of Algarve, Faro, Portugal). R course (IPIMAR - Olhão, Portugal). Heliculture course (Instituto Interaccional de Helicultura de Girona, Espanha). Aquaculture Engineering course (University of Algarve, Portugal). Scientific Illustration course (University of Algarve, Portugal). English Summer Course (University of Aberdeen, UK). English for Academic Purposes course (University of Portsmouth, UK). French Level 5 (University of Portsmouth, UK). Italian Level 1 (University of Portsmouth, UK). German for Hotel Reception purposes (IEFF, Olhão, Portugal).

### 6. Experience as scientific adviser

- Co-supervision of the PhD Candidate Miguel Tiago Cantiga Lopes de Oliveira concerning the economic evaluation and diving tourism of artificial reefs in Cape Verde (2008-2016) on the Thesis entitled "The role of artificial reefs to promote biodiversity and sustainability of the ecotourism in Cape Verde: ecological, biological and management aspects" in order to obtain the degree of Doctor of Philosophy in "Ciências do Mar, da Terra e do Ambiente (CMTA)", branch "Ciências do Mar", speciality in "Biodiversidade Marinha", University of Algarve, Faro, 2007. Viva voce defended September 30, 2016.
- Co-supervision of the Master Candidate Sónia Isabel Campos da Silva Colaço concerning the social and economic part of the Thesis entitled "Contributo para o estudo da pesca da língua (Dicológlossa cuneata, Moreau 1851) e breve caracterização da comunidade piscatória da baía de monte gordo" to obtain the Master of Science degree in "Conservação da Natureza", University of Algarve, Faro, 2007.

### 7. Participation in R&D projects

Participação em projectos de investigação (coordenador/membro de equipas)	
-	Elaboração de estudos de caracterização do estado de colonização e impacto socioeconómico do recife artificial da Nazaré" - Programa PROMAR (02-PE/2011/G3) - Development of socioeconomic research issues within the scope of the project, namely related to small-scale fisheries and scuba diving tourism. (2015-2016)
-	"Avaliação do impacto da área de produção aquícola da Armona no ecossistema costeiro e comunidades locais" - Programa PROMAR (31-03-01-FEP-0014) - Social and economic impact assessment at a local and regional level derived from the creation of an area aimed to marine production located in the south coast of Portugal. (2012-2014)
-	"COEXIST: A roadmap to sustainable integration of aquaculture and fisheries" - Projecto do 7ª Programa Quadro (FP7): (FP7/2007-2013 under grant agreement no. 245178) - Assessment of competing and interacting activities across European coastal areas. Development of integrative and facilitating processes, sustainability and synergies across the diverse activities developed on the European coastal areas (e.g. fisheries, aquaculture, tourism, among others). (2010-2012)
-	"Rebuilding Nature: Criação de recifes artificiais em Cabo Verde" - Expectations' evaluation of the different stakeholders found in the process of reef management in Sal Island and respective perceptions at the decision making level encompassing different alternatives. Stakeholder groups: diving tourism suppliers, diving tourism demand, managers, environmentalists, fishermen, scientists, local people. (2008-2010)
-	"Criação de recifes artificiais: promoção da pequena pesca local" - Potential productivity studies concerning small-scale fisheries on a reef area. (2007-2008)
-	"Implementação de projecto de recifes artificiais ao largo da enseada da Nazaré" - Social and economic interest and expectations evaluation of the fishing community concerning the Nazaré artificial reef. (2008)
-	"Implantação e estudo integrado de sistemas recifais" - Inquiry on the potential artificial reef users across fishing communities covered by reef deployment in the Algarve. Studies focusing on the patterns of use with actual users. Comparative assessment concerning alternative fishing and diving areas. (2002-2006)
-	Analysis of fisheries discards from the south coast of Portugal (DISCARDS - Portugal II, UE - DG XIV/C/1, proj. n.º 97/0087 (1998-2000)
-	Análise e avaliação do efeito do arrasto nas espécies demersais da costa do Algarve: quantificação e estudos bio-ecológicos (INTERREG II, proj. n.º 21/REGII/6/96 (1996-1999)
-	Studies of the discards of commercial fisheries from the south coast of Portugal (DISCARDS I, UE - DG XIV/C/1, proj. n.º 95/0081 (1995-1997)

### 8. Prizes and awards received

Year	Name of the prize or award	Promoting entity
1997	Research Technician Grant: Praxix XXI/BTI/12088/97	FCT
2001	PhD Grant: SFRH/BD/6197/2001	FCT
2014	Best presentation on the panel: Rural development and Tourism	IMASS: 1st International Conference on Applied Methods in Social Sciences: The Multidimensional Aspects of Spatial Analyses

### 9. Published works

**Teses**

- Socio-economic implications of artificial reef deployment: a Portuguese case study. University of Portsmouth. (2007)

Doctor of Philosophy  
Jorge Humberto Palmeira Ramos  
<http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.478898>

**Livros (autor)**

Stelzenmüller, V., Schulze, T., Gimpel, A., Bartelings, H., Bello, E., Bergh, O., Bolman, B., Caetano, M., Davaasuren, N., Fabi, G., Ferreira, J.G., Gault, J., Gramolini, R., Grati, F., Hamon, K., Jak, R., Kopke, K., Laurans, M., Mäkinen, T., O'Donnell, V., O'Hagan, A.M., O'Mahony, C., Oostenbrugge, H., Ramos, J., Saurel, C., Sell, A., Silvo, K., Sinschek, K., Soma, K., Stenberg, C., Taylor, N., Vale, C., Vasquez, F., Verner-Jeffreys, D. 2013. Guidance on a Better Integration of Aquaculture, Fisheries, and other Activities in the Coastal Zone: From tools to practical examples, Ireland: COEXIST project, 2013, 79pp. Printed

**Artigos em revistas de circulação internacional com arbitragem científica**

- Ramos, J., Caetano, M., Himes-Cornell, A., & dos Santos, M. N. (2017). Stakeholders' conceptualization of offshore aquaculture and small-scale fisheries interactions using a Bayesian approach. *Ocean & Coastal Management*, 138, 70-82.

- Bjørndal, T., Brasão, A., Ramos, J., & Tusvik, A. (2016). Fish processing in Portugal: An industry in expansion. *Marine Policy*, 72, 94-106.

- Oliveira, M. T., Ramos, J., & Santos, M. N. (2015). An approach to the economic value of diving sites: artificial versus natural reefs off Sal Island, Cape Verde. *Journal of Applied Ichthyology*, 31(53), 86-95.

- Ramos, J., Lino, P. G., Caetano, M., Pereira, F., Gaspar, M., & dos Santos, M. N. (2015). Perceived impact of offshore aquaculture area on small-scale fisheries: A fuzzy logic model approach. *Fisheries Research*, 170, 217-227.

- Ramos, J., & Santos, M. N. (2015). Facilitating fishing decisions in an artificial reef area off southern Portugal: a case study using generalized additive models. *Journal of Applied Ichthyology*, 31(53), 24-34.

- Bjørndal, T., Lappo, A. e Ramos, J. (2015). An economic analysis of the Portuguese fisheries sector 1960-2011. *Marine Policy* 51, 21-30.

- Ramos, J., Soma, K., Bergh, Ø., Schulze, T., Gimpel, A., Stelzenmüller, V., Mäkinen, T., Fabi, G., Grati, F. e Gault, J. (2015). Multiple interests across European coastal waters: the importance of a common language. *ICES Journal of Marine Science* 72 (2), 720-731.

- Soma, K., Ramos, J., Bergh, Ø., Schulze, T., Oostenbrugge, H., Duijn, A. P., Kopke, K., Stelzenmüller, V., Grati, F., Mäkinen, T., Stenberg, C. e Buisman, E. (2014). The "mapping out" approach: effectiveness of marine spatial management options in European coastal waters. *ICES Journal of Marine Science* (9), 2630-2642.

- Ramos, J., M. N. Santos, D. Whitmarsh e C. C. Monteiro (2011). Stakeholder of Oceanography 59 (SPE1), 133-143.

- Ramos, J., M. T. Oliveira e M. N. Santos (2011). Stakeholder perceptions of decision-making on marine biodiversity conservation in Sal Island (Cape Verde). *Brazilian Journal of Oceanography* 59 (SPE1), 95-105.

- Whitmarsh D., M. N. Santos, J. Ramos e C. C. Monteiro (2008). Marine habitat modification through artificial reefs: an economic analysis of the coastal fisheries of the Algarve, Southern Portugal. *Ocean & Coastal Management* 51 (6), 463-468.

- Ramos, J., M. N. Santos, D. Whitmarsh e C. C. Monteiro (2007). Stakeholder perceptions regarding the environmental and socio-economic impacts of the Algarve artificial reefs. *Hydrobiologia* 580 (1): 181-191.

- Ramos, J., M. N. Santos, D. Whitmarsh e C. C. Monteiro (2006a). The usefulness of the analytic hierarchy process to understand reef diving choices: a case study. *Bulletin of Marine Science* 78 (1): 213-219.

- Ramos, J., M. N. Santos, D. Whitmarsh e C. C. Monteiro (2006b). Patterns of use in an artificial reef system: a case study in Portugal. *Bulletin of Marine Science* 78 (1): 203-211.

**Publicações em actas de encontros científicos**

- Bjørndal, T., Ramos, J., Tusvik, A. (2017). Cod-nations: Trade of an expanding sea fish commodity. II International Congress on Interdisciplinarity in Social and Human Sciences. University of Algarve, Campus de Gambelas, Faro, 11-12 May 2017.  
[https://hcommons.org/doi/https://doi.org/10.14596/.../interdisciplinarity\\_program.pdf](https://hcommons.org/doi/https://doi.org/10.14596/.../interdisciplinarity_program.pdf)

- Ø. Bergh, E.B. Gomez, K.Y. Bersheim, B. Bolman, S. Bricker, G.M. Burnell, M. Caetano, A. van Duijn, G. Fabi, J.G. Ferreira, J. Gault, F. Grati, J. Grönroos, O. Guayder, R. Jak, T. Mäkinen, V. O'Donnell, A.M. O'Hagan, H. van Oostenbrugge, M.V. Ottesen, J. Ramos, C. Saurel, T. Schulze, A. Sell, K. Soma, C. Stenberg, V. Stelzenmüller, C. Vale, D. Verner-Jeffreys (2012). Towards sustainable a coexistence of aquaculture and fisheries in the coastal zone. International Conference Littoral 2012: Coasts of Tomorrow. Kursesal, Oostende, 27-29 November 2012.

- Jorge Ramos, Miguel N Santos, David Whitmarsh, Carlos C Monteiro (2008). A Socio-Economic Toolbox of Artificial Reef Projects. International Institute of Fisheries Economics and Trade. <http://ir.library.oregonstate.edu/xmlui/handle/1957/37686>

- Jorge Ramos, Miguel N Santos, David Whitmarsh, Carlos C Monteiro (2008). Developing Artificial Reefs as a Possible Solution to Ameliorate Small-Scale Fishing Community Livelihoods: Some Case-Studies. International Institute of Fisheries Economics and Trade. <http://ir.library.oregonstate.edu/xmlui/handle/1957/36967>

- J Ramos, MN Santos, D Whitmarsh, M Falcão, CC Monteiro (2007). Economic valuation of the concrete-made artificial reefs of southern Portugal. International Symposium on Integrated Coastal Zone Management, p. 87

- Jorge Ramos, Miguel N Santos, David Whitmarsh, Carlos C Monteiro (2006). Husbandry or Hunting? Prospects for Co-managed Fisheries Based on Artificial Reefs in the Algarve (Portugal). International Institute of Fisheries Economics and Trade. <http://ir.library.oregonstate.edu/xmlui/bitstream/handle/1957/44310/464.pdf?sequence=1>

- J Ramos, D Whitmarsh, MN Santos, CC Monteiro (2005). Approaches to artificial reef efficiency analysis. EAPE conference 2005, 3-2pp.  
[http://www.eafe.mastweb.net/Papers/Jorge\\_Ramos.pdf](http://www.eafe.mastweb.net/Papers/Jorge_Ramos.pdf)

### 10. Communications in scientific meetings

**Outras comunicações orais**

- Ramos, J., Caetano, M., Guerra, M.T., Almeida, M., Raposo, A.C., Gaudêncio M.J. and Leandro, S. (2017). Nazaré: An artificial reef at the door of the deep. II International Congress on Interdisciplinarity in Social and Human Sciences. University of Algarve, Campus de Gambelas, Faro, Portugal, 11-12 May 2017.

- Ramos, J., Lino, P.G., Himes-Cornell, A., and Santos, M.N. (2017). Ecosystem services: artificial reef pre-and post-deployment perception of utility by fishermen. II International Congress on Interdisciplinarity in Social and Human Sciences. University of Algarve, Campus de Gambelas, Faro, Portugal, 11-12 May 2017.

- Bjørndal, T., Ramos, J., Tusvik, A. (2017). Cod-nations: Trade of an expanding sea fish commodity. II International Congress on Interdisciplinarity in Social and Human Sciences. University of Algarve, Campus de Gambelas, Faro, Portugal, 11-12 May 2017.

- Ramos, J. (2016). Salinas e turismo: Haverá um efeito "flamingo" a potenciar o interesse pelas visitas? (Ciclo de conferências «Ciência para Todos» Universidade do Algarve, Campus de Gambelas, Portugal, 27 October.

- Ramos, J. (2015). "Como procurar o estado da arte do nosso objeto de estudo na literatura científica? Estudo de caso nos recifes artificiais." *SciCom PT 2015*, Lagos, Portugal, 28 - 30 May.

- Ramos, J., Santos, M. N. e Caetano, M. (2014). Using Bayesian belief networks to disclose interactions between small-scale fisheries and offshore aquaculture developments off south-east Portugal. *ICES - ASC 2014 A Coruña*, Spain, 15 - 19 September 2014.

- Ramos, J., Oliveira, M. e Santos, M. N. (2014). Valuing marine biodiversity conservation off Sal Island (Cape Verde) using the contingent valuation methodology. *IMASS - 1st AMSS Olhão*, Portugal, 23 - 24 April 2014.

- Ramos, J., Santos, M. N., Caetano, M., Lino, P., Pereira, F. e Gaspar, M. (2014). A fuzzy logic approach to estimate the perceived impact of offshore aquaculture by fishing communities. (IMASS - 1st AMSS Olhão, Portugal), 23 - 24 April 2014.

- Ramos, J., Soma, K., Bergh, Ø., Schulze, T., Sell, A., Stelzenmüller, V., Mäkinen, T., Grati, F., O'Donnell, V., Fabi, G. e Hoefnagel, E. (2012). Multiple interests across European coastal waters: The need for a common language. (ICES - ASC 2012 Bergen, Norway), 17 - 21 September 2012.

- Ramos, J.; M. N Santos; D. Whitmarsh e C.C.Monteiro (2008). Developing artificial reefs as a possible solution to ameliorate small-scale fishing community livelihoods: some case-studies. 14th IIFET 2008 Nha Trang, Vietnam, 22 - 25 July 2008.

- Ramos, J.; D. Whitmarsh; M. N. Santos e C. C. Monteiro (2006). Husbandry or hunting? Prospects for co-managed fisheries based on artificial reefs in the Algarve (Portugal). 13th Biennial Conference of the International Institute of Fisheries and Trade (IIFET 2006 Portsmouth, U.K., 11 - 14 July 2006.

- Ramos, J.; M. N. Santos; D. Whitmarsh e C. C. Monteiro (2005). Monitoring patterns of use in an artificial reef: a case study in the Algarve (Portugal). 8th International Conference on Artificial Reefs and Artificial Habitats (CARAH 2005 Biloxi, MS, U.S.A.), 10 - 14 April 2005.

- Ramos, J.; D. Whitmarsh; M. N. Santos e C. C. Monteiro (2005). Using the analytic hierarchy process to understand reef diving choices: a case study. 8th International Conference on Artificial Reefs and Artificial Habitats (CARAH 2005 Biloxi, MS, U.S.A.), 10 - 14 April 2005.

- Ramos, J.; D. Whitmarsh; M. N. Santos e C. C. Monteiro (2005). Approaches to artificial reef efficiency. Greece, 21 - 23 March 2005.

- Ramos, J.; M. N. Santos; D. Whitmarsh e C. C. Monteiro (2004). The Algarve artificial reefs: evaluating environmental and socio-economic impacts. 39th European Marine Biology Symposium (EMBS 2004 Genova, Italy, 21 - 24 July 2004).

**Comunicações em painéis ("poster")**

- Ramos, J., M. N. Santos, D. Whitmarsh e C. C. Monteiro (2009). Stakeholder analysis in the Portuguese artificial reef context: winners and losers. 9th International Conference on Artificial Reefs and Artificial Habitats (CARAH 2009 Curitiba, Paraná, Brasil), 8 - 13 November 2009.

- Ramos, J., M. T. Oliveira e M. N. Santos (2009). Stakeholder perceptions of decision-making on marine biodiversity conservation in Sal Island (Cape Verde). 9th International Conference on Artificial Reefs and Artificial Habitats (CARAH 2009 Curitiba, Paraná, Brasil), 8 - 13 November 2009.

- Ramos, J.; M. N Santos; D. Whitmarsh e C.C.Monteiro (2008). A socio-economic toolbox of artificial reef projects. (14th IIFE 2008 Nha Trang, Vietnam), 22 - 25 July 2008.

- Ramos, J.; M. N. Santos; D. Whitmarsh; M. Falcão e C. C. Monteiro (2007). Economic valuation of the concrete-made artificial reefs of southern Portugal. International Symposium on Integrated Coastal Zone Management (ICES-CIEM Arendal, Norway), 11 - 14 June 2007.

- D Whitmarsh, MN Santos, CC Monteiro, J Ramos (2004). Economic measures of habitat improvement in marine fisheries and their conservation. (World Fisheries Congress, Vancouver, B. C., Canada), 2 - 6 May 2004.