

Curriculum Vitae

Ricardo da Piedade Abreu Serrão Santos

- *Membro Correspondente da Academia das Ciências de Lisboa - (Fellow of the Portuguese Academy of Sciences)*
- *Membro Efetivo da Academia de Marinha de Lisboa - (Fellow of the Portuguese Navy Academy)*

Curriculum Vitae: Résumé

Ricardo Serrão Santos, Doctor in Biology and Animal Ecology is Principal Researcher at the University of the Azores, Pro-Rector of the University of the Azores and President of IMAR-Institute of Marine Research. RSS is being dedicated to the study of marine biodiversity and ocean ecosystems, and has more than 300 hundred published works of which around 150 papers in SCI journals included in the *Web of Knowledge*. He is co-editor of a book on “Seamounts: Ecology, Fisheries and Conservation” published by Blackwell Publishing/Wiley Interscience in 2007, and co-author of a *Virtual Centre of Marine Interpretation* (CIMV), which, besides its base in Horta, appeared as a DVD in 2006 (1st edition) and as a set of two DVDs in four languages [Portuguese, English, French and Spanish] in 2008 (2nd edition). RSS is (was) promoter of around 17 PhD students (12 concluded) and 18 Post-Docs. He has participated in many workshops and conferences both as participant, keynote speaker and/or organizer. RSS is member of several international Steering Committees among which the MarBEF (European Network of Excellence on Marine Biodiversity), and two Census of Marine Life programs: MAR-ECO (Patterns and Processes of the Ecosystems of the Mid-Atlantic Ridge) and ChESS (Biogeography of Chemosynthetic Ecosystems). RSS is member of the Scientific Council for Natural Sciences and Environment (MCTES/FCT-Portugal), Coordinator of the Marine Sciences Panel (MCTES/FCT). He has been Portuguese Delegate at the Committee of Research Infrastructures at the EC-DG Research (6FP) and at the ESFRI (Strategy Forum for Research Infrastructures (2002-2005). RSS is also member of ICES Working Group of Marine Habitat Mapping, was co-chair of the WG Monitoring and Observatories of InterRidge and of the WG on Deep Sea Research (COI-Lisbon). RSS is member of the Scientific Council of the *Institut Océanographique de Paris*. He is co-ordinator and/or partner of several national, European and international scientific projects. He has wide experience in ocean scientific cruises (R/Vs: Atalante, Akademie Mystlav Keldish, Arquipélago, Noruega, G.O. Sars, NRP Gago Coutinho), including those involving submersibles (Nautile, MIR, Victor 6000, Aglantha 2000, Bathysaurus 5000, Luso 6000).

Actual main interests and activities include marine conservation of habitats and biodiversity of both shallow and deep-sea ecosystems of the Azores Triple Junction and Mid Atlantic Ridge, implementation of MPAs and experimental evaluation of their benefits, but also experimental studies of deep-sea organism under laboratory conditions. In 1998, at the 1st MoMAR workshop he proposed the idea for the installation in Faial of a land based laboratory dedicated to the study of hydrothermal vent organisms, what was achieved a few years later as *LabHorta*. RSS coordinated the research and management proposals for the network of Natura 2000 in the Azores and the deep-sea hydrothermal vents Lucky Strike and Menez Gwen and the seamount Sedlo. RSS has been called, as expert in marine sciences and technologies, biodiversity and conservation, to represent several Portuguese ministries (e.g. Science and Higher Education, Foreign Affairs and Environment), as well as the Government of the Autonomous Region of the Azores, in international meetings.

In 2005 and 2006 was invited, as international scientist, by the Deep-Sea Conservation Coalition to take part on the *Science Tour* to give lectures on deep-sea conservation in several European countries. RSS has been involved in sessions in Helsinki (Finland), London (UK) Copenhagen (Denmark), Brussels (Belgium) and Lisbon (Portugal).

In 2002 he was awarded a “Gift to the Earth” by WWF-International; in 2007 RSS was nominated “Maritime Ambassador” by the EC Commissioner Joe Borg; in 2007 was included in the ISPA web page as one of the “Reference ex-students”; in 2008 was invited as one of the two “personalities of high merit” and appointed, by the Government of Portugal, for the board of directors of the “Permanent Forum for Sea Affairs” [*Fórum Permanente para os Assuntos do Mar*]; in 2008 received the Rotary Prize 2007-2008 on education; in 2008 was elected *Fellow of the Navy Academy* (Lisbon); in 2009 received the Prize “*Seeds of Science*” in the category “Earth, Marine and Atmospheric Sciences” awarded by “*Ciência Hoje*” (Portugal); in 2009 was elected *Fellow of the Portuguese Academy of Sciences* (class of Sciences, section of Biological Sciences); in 2009 (4th of June) was awarded the City of Horta “*Merit Gold Medal*”.

Curriculum Vitae

(Detailed)

Name: Ricardo da Piedade Abreu Serrão Santos. (**Short name:** Ricardo Serrão Santos)

Locality and date of birth: Portalegre, 11 of October 1954

Nationality: Portuguese

Private Address: Rua Padre Manuel Madruga, 4. PT-9900-361 Feteira HRT (Açores)
Portugal

Official Address: Departamento de Oceanografia e Pescas, Universidade dos Açores,
Rua Prof. Doutor Frederico Machado, 4. PT-9901-862 Horta (Açores) Portugal.

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Linkedin profile: <http://pt.linkedin.com/pub/ricardo-serrão-santos/28/28b/834>

Google Scholar profile: <http://scholar.google.pt/citations?user=x-5yrq4AAAAJ>

Researcher ID: <http://www.researcherid.com/rid/B-3960-2008>

Academic qualification:

- 1974- 1979: *Diploma de Curso Superior - Licenciatura* [16/20], ISPA (*Instituto Superior de Psicologia Aplicada*), Lisboa, Portugal.
- 1984: APCC (equiv. to MSc), University of the Azores, Portugal.
- 1992: PhD, Faculty of Sciences, University of Liverpool, UK.
- 1993: Doctor of Biology, University of the Azores, Portugal.

Actual scientific and/or professional situation:

- since July 2011: Pro-Rector for the Integration of Sea Affairs (University of the Azores)
- since 2011: Member of the Coordinating Council of the Associated Laboratory LARSyS, and coordinator of Thematic Area 5: Marine Resources and Ecosystems.
- since July 2006: President of IMAR – Institute of Marine Research (Instituto do Mar)
- since December 1998: Principal Researcher at the University of the Azores.
- since January 1998: President of POPA (Observer Program of the Fisheries of the Azores)¹.

¹ POPA was awarded the certificate “*Dolphin Safe*” (in 1998) for the tuna fisheries and the tuna industry, and the certificate of “*Friend of the Sea*” (in 2003) for the pelagic and demersal fisheries, both of each are being used for marketing and commercialisation of Azorean fish.

- since 1996: scientific coordinator of the Centre of IMAR of the University of the Azores (research unit # 531 of the Foundation for Science and Technology - FCT).

Past

- February 1997 – December 2011: Director of the Department of Oceanography and Fisheries (DOP – Departamento de Oceanografia e Pescas)^{2,3} of the University of the Azores
- July 2003 – June 2011: Pro-Rector for the Horta Campus (University of the Azores) in charge of the New Building (inaugurated in January 2009)
- 2001 - 2011: Member of the Coordinating Council of the Associated Laboratory ISR-IST/IMAR-DOP/CREMINER-FCUL.
- March 2003 - March 2006: President of the Observatory of the Sea– Azores –OMA (Observatório do Mar- Açores) - (non-profit association)
- May 1997 – July 2006: Vice- President of the IMAR- Institute of Marine Research.
- 1993 – 1997: Member of the Board of Directors of IMAR – Institute of Marine Research.
- 1989 - 1991: Co-director of the Director of the Department of Oceanography and Fisheries (DOP – Departamento de Oceanografia e Pescas) of the University of the Azores

Specialisation area: Behavioural ecology (Animal ecology).

Other fields: Ethology, Ichthyology, Marine Biodiversity and Conservation, Ecosystems Functioning.

Main research interests: behavioural ecology and reproduction of teleost fishes; ecology of fish assemblages; trophic relationships, biodiversity, marine conservation, coastal ecology (assessment and management of resources), biology and ecology of hydrothermal vents and seamounts, marine protected areas, marine spatial planning.

Prizes and Recognitions:

- ✓ ***Gift to the Earth*** awarded in June 2002 by the World Wildlife Fund (WWF).
- ✓ ***Maritime Ambassador***, nominated in July 2007 by the EC Commissioner Joe Borg [responsible for Fisheries and Maritime Affairs].
- ✓ ***Rotary International Prize 2007/2008*** on education.

² In 2007 DOP was referred by the journal *Research*EU: Magazine of the European Research Area* one of the “main pillars of European oceanographic excellence” (...) “...setting very high standards” in ocean sciences and also one of the “centres that are doing the EU proud”. (Special Issue December 2007- Maritime Policy: The State of the Ocean. P. 3 and p. 42 http://ec.europa.eu/research/research-eu/sea/article_mer42_en.html).

³ In 2008 DOP was awarded by the President of Portugal with the medal of *Membro Honorário da Ordem da Sant'Iago de Espada* (Honorary Member of the Military Order of Sant'Iago of the Sword), which distinguishes institutions with proved merit in the fields of the Arts, Science and Culture.

- ✓ “*Personality of High Merit*” for the board of directors of the “*Permanent Forum for Sea Affairs*” [Fórum Permanente para os Assuntos do Mar], appointed in May 2008 by the Secretary of Defense Sea Affairs (for the term May 2008 to May 2010). Re-appointed for the second term [2010-2012]
- ✓ Prize “*Seeds of Science*”, in the category of “*Earth, Marine and Atmospheric Sciences*” set by “Ciência Hoje”, 2009 (Portugal).
- ✓ “*Merit Gold Medal*” awarded by the Council of the City of Horta (Azores) in July 2009.
- ✓ “*Insígnia Autonómica de Reconhecimento*” award by the Legislative Parliament of the Azores and the Azores Government on the 28 of May of 2012.

Academy Fellowships:

- ✓ *Fellow of the Navy Academy*, Lisbon. [Membro Efectivo da Academia de Marinha, Lisboa] since 2008.
- ✓ *Fellow of the Academy of Sciences* of Lisbon, class of Sciences, section of Biological Sciences [Membro Correspondente da Academia das Ciéncias de Lisboa, classe de Ciéncias, secção de Ciéncias Biológicas] elected in 2009, nominated in 2010.

Appointments:

- Member of the Scientific Council of the “*Institut Océanographique de Paris – Fondation Albert 1er de Monaco*” (appointed in October 2010 – took charge on the 24 of January 2011).
- Member of the Scientific Council of Natural Sciences and Environment of FCT/MCTES (appointed in September 2010).
- Chair/co-ordinator of the Marine Sciences Grant Evaluations Panel of FCT/MCTES (appointed in July 2010)
- Delegate of Portugal at the Marine Board of the European Science Foundation (since 2009)
- Member of the Azores Strategic Concertation Council as Personality of High Merit by special appointment of the President of the Regional Government of the Azores [since January 2009].
- Member of the GTA (*Grupo Técnico de Apoio*) for the theme Environment (including Climate Changes) of the EU-FP7 (MCTES-FCT) [since 2008]
- Member of the board of directors of the “*Permanent Forum for Sea Affairs*” [Fórum Permanente para os Assuntos do Mar], appointed in May 2008 by the Secretary of State for Defence and Sea Affairs as Personality of High Merit (for the term May 2008 to May 2010). Re-appointed for a second term [2010-2010].
- Member of the EurOcean Foundation Board [****]
- Coordinator for the Luso-French Cooperation on Marine Sciences (MCTES-FCT) [since 2007].

- Representative for Portugal at the Directors Board of the “*Asociación Latinoamericana de Investigadores en Ciencias del Mar (ALICMAR)*” [2007-2009]
- Member of COI - Oceanographic Intersectorial Commission (COI-MCES/FCT Lisbon: appointed by the Minister of Science and Technology).
- Member of the Regional Council for Science and Technology (special appointment by the President of the Regional Government of the Azores – Ponta Delgada) [1999-2004]
- National Delegate at the EC Committee for Research Infrastructures (6FP) (appointed by the Secretary of State for Science and Technology).
- Member of the Scientific Council for Marine Science and Environment (FCT- Ministry of Science and Higher Education, Lisbon: appointed by the Secretary of State of Science and Technology) [1999 - 2005]
- Member of Panel of Marine Sciences of the Portuguese Foundation for Science and Technology, Lisbon. [since 1998]
- National Delegate at European Strategy Forum on Research Infrastructures (ESFRI) (appointed by the Minister of Science and Higher Education) [2002-2005 – until the approval of the ESFRI Road Map of Research Infrastructure].
- Member of the Consulting Commission of the Strategic Commission of the Oceans (Portugal – Lisbon) (appointed by the President of the Regional Government of the Azores). [2002-2004]
- Co-chair of the Deep Sea Research Group of the Ministry of Science and Technology (Lisboa) (appointed by the President of COI).
- Member of the Ad-Doc Group for Marine Research Infrastructures at the ESFRI. (2002-2003).
- Co-Chair of the Working Group on Monitoring and Observatories of InterRidge. [2000 - 2008]
- Member of the Scientific Council of the National Geographic Magazine – Portugal [since 2000]
- Member of MAR-ECO SC - Patterns and processes of the ecosystems of the northern mid-Atlantic (Census of Marine Life –CoML). [2002-2010] and representative at the SC of South Atlantic MAR-ECO [2007-2010]
- Member of ChEss SC - Biogeography of Chemosynthetic Ecosystems (Census of Marine Life –CoML) [2001-2010].
- Member of the Steering Committee of MARBEF (NoE: Marine Biodiversity and Ecosystem Functioning).
- Member of BIOMARE SC - Network of large-scale long-term marine biodiversity research in Europe (EU).

Languages: Portuguese (speak, read, write) English (s., r., w.), French (s., r., w.), Spanish (s., r., w.), Italian (r.).

Grants and Fellowships: individual short term grants received from the following institutions: Gabinete do Ministro da República para os Açores, INVOTAN (NATO), INIC, JNICT/Ciência, FCT, Fundação Calouste Gulbenkian, British Council (UK), Bundesministerium für Wissenschaft und Forschung (Austria), United States Information Agency (USA), IFAW (USA), UNIVALI (Brasil), Luso-American Foundation for Development (FLAD), ICCTI (Lisboa), GRICES (Lisboa), IFREMER (Paris).

Student's supervision: involved in the supervision of more than 15 graduation thesis, 5 MSc, 15 PhD, 18 PostDoc.

Referee for International Journals: referee for about 15 international scientific journals, member of the editor's board of *Acta Ethologica*, *TheScientificWorld*, *Journal of Marine Biology* and *Marine Biodiversity*.

Project evaluator/referee: for FCT-Portugal, NERC-UK, NSF-USA, NOAA-USA, IFREMER-France, NWO & WOTRO-Holland, University of Antwerpen Research Council-Belgium, CNR-Italy, Agence Nationale de la Recherche (Institut Français de la Biodiversité)-France, Norges Forskningsråd (Research Council)-Norway

Scientific research cruises: RVs: *Atalante*, *Akademie Mystlav Keldish*, *Arquipélago*, *Noruega*, *G.O. Sars*, *Gago Coutinho*. DeepSea submersibles and ROV: *Nautile*, *MIR*, *Victor 6000*, *Aglantha 2000*, *Bathysaurus 5000*, *Luso 6000*.

Scientific conferences, symposia and workshop: speaker, invited speaker and/or organizer in/of more than 200 events.

Supervisor/Promotor:

Licenciaturas

Pedro Afonso Santos 1995. Comportamento e selecção sexual na castanheta azul, *Abudeduf luridus* (Valenciennes, 1886) dos Açores. [Behaviour and sexual selection in the bluefin damselfish *Abudeduf luridus* (Valenciennes, 1886) of the Azores] (concluded in October 1995 - Universidade do Algarve)

Telmo Morato Gomes 1995. Ecologia alimentar de *Serranus atricauda* (Günther, 1874) dos Açores. [Feeding ecology of blacktail comber *Serranus atricauda* (Günther, 1874) from the Azores.] (concluded in October 1995- Universidade do Algarve)

Carla Correira 1997. Comportamento reprodutor do rói-anzóis, *Ophioblennius atlanticus atlanticus* (Pisces: Blenniidae): Paternidade, alopaternidade e canibalismo [Reproductive behaviour of the redlip blenny (Pisces: Blenniidae): Paternity, allopaternity and cannibalism] (concluded in 1997- Universidade do Algarve)

Fernando Tempera 1997. Estudos sobre as variações espaciais das associações de peixes Canal Pico-Faial (Açores). [Study on the spatial variation of the fish assemblages of Pico-Faial Channel (Azores)] (concluded in 1997 - Universidade de Lisboa/FCUL)

Gustavo Costa 1977. Idade e crescimento de garoupa, *Serranus atricauda*, dos Açores [Age and growth of blacktail comber, *Serranus atricauda*, of the Azores] (concluded in May de 1997- Universidade dos Açores)

Mafalda R. Oliveira 1997. Ecologia alimentar de *Tripterygion delaisi* Cadenat & Blache (1971) (Pisces: Tripterygiidae) dos Açores- Análise faseada do tracto digestivo/ Variação temporal e sexual da dieta. [Feeding ecology of *Tripterygion delaisi* Cadenat & Blache (1971) (Pisces: Tripterygiidae) of the Azores – Phased analysis of the digestive tract/ Temporal and sexual varino of the diet] (concluded in September 1997 - Universidade do Algarve)

Sónia Mendes 1997. Foto-identificação no cetáceo *Tursiops truncatus* dos Açores. [Photo-identification on the cetacean *Tursiops truncatus* of the Azores] (concluded in 1997- Universidade do Porto)

Miguel Machete 1998. Caracterização da ictiofauna críptica do Monte da Guia (Faial), utilizando um método de censos visuais. [Characterization of cryptic ichthyo-fauna of Monte da Guia (Faial), using a method of visual census]. (concluded in 1998 – Universidade do Algarve)

Jorge M. Fontes 1998. Dinâmica dos cuidados aloparentais e variação sazonal e espacial da organização social dos representantes da família Pomacentridae (*Abudefduf luridus* e *Chromis limbata*) nos Açores [Dynamic of alloparental care and seasonal and spatial variation of social organization of representatives of the Pomacentridae family] (concluded in 1998 - Universidade do Algarve)

Paula C. Lourinho 1998. Estudo da reprodução da garoupa *Serratus atricauda* (Günther, 1874) dos Açores. [Study of the reproduction of the blacktail comber, *Serranus atricauda* (Günther, 1874) of the Azores (concluded in 1998 - Universidade dos Açores)

Natacha Carvalho. 1999. Organização social e comportamento da solha, *Bothus podas maderensis* (Lowe, 1834), nos Açores. [Social organization and behaviour of the wide-eyed flounder, *Bothus podas maderensis* (Lowe, 1834), of the Azores]. (concluded in 1999 – Universidade do Algarve)

MSc or APCC

Concluded

João P. Barreiros 1995. Aspectos do comportamento e da reprodução do mero *Epinephelus marginatus* (Lowe, 1834) nos Açores. [Aspects of the behaviour and reproduction of the grouper *Epinephelus marginatus* (Lowe, 1834)] (concluded in 1995 - Universidade dos Açores)

Telmo Morato Gomes 2001. Ecologia alimentar e relações tróficas de nove species de peixes demersais dos Açores. [Feeding ecology and trophic relationships of nine demersal fish species of the Azores] (concluded in 2001, University of Coimbra)

Frederico Cardigos 2002. Contribuição para a implementação de um plano de gestão no Sítio de Interesse Comunitário Banco D. João de Castro. [Contribution for the implementation of a management plan for the Site of Community Interest of the D. João de Castro Bank, Azores]. (concluded in February 2002 - Universidade dos Açores)

Pedro Afonso 2002. Padrões espaciais na comunidade de peixes costeiros dos Açores.
[Spatial patterns in the coastal fish community of the Azores] (concluded in June 2002 - Universidade de Coimbra)

Inês Seabra 2007. Distribuição do roaz (*Tursiops truncatus* Montagu 1821) e do cachalote (*Physeter macrocephalus* Linnaeus 1758) nas águas do arquipélago dos Açores (Portugal): Aplicação de Sistemas de Informação Geográfica e modelação ecológica na caracterização do habitat. [Distribution of bottlenose dolphin (*Tursiops truncatus* Montagu 1821) and the sperm whale (*Physeter macrocephalus* Linnaeus 1758) in the waters of the Azores archipelago (Portugal): Application of Geographic Information System and ecological modeling for habitat characterization] (concluded 2007, Universidade de Lisboa/FCUL)

PhDs

Concluded

João Pedro Barreiros (PRODEP - 2000): Ichthyological communities of the sand sub-tidal and rocky intertidal of Santa Catarina, Brazil: An ecological approach. (Approved in 2001, University of the Azores)

João Gonçalves - Praxis XXI/ BD/13528/97: Genetic variation and bio-geography of the common octopus (*Octopus vulgaris* Cuvier, 1797) of the North eastern Atlantic. (co-supervisor: PhD awarded by the University of Liverpool, UK). (Approved in 2002).

Filipe Porteiro - Praxis XXI/BD/17053/98: Mesopelagic fish of the north-eastern Atlantic. (co-supervisor: PhD awarded by the University of Liverpool, UK). (Approved in 2004).

Telmo Morato Gomes - SFRH/BD/4473/2001: Ecology and fisheries of seamount ecosystems. (co-supervisor: PhD awarded by the University of British Columbia, Canada) (Approved 2007)

Mónica Silva - SFRH/BD/8609/2002: Population structure of the bottlenose dolphin (*Tursiops truncatus*) in the Archipelago of the Azores, determined by genetic analysis and photo-identification studies (co-supervisor: PhD awarded by the University of St. Andrews, UK) (Approved 2007)

Pedro Afonso dos Santos - SFRH/BD/11132/2002: Marine protected areas: Ecological effects and benefits for fisheries. (co-supervisor: PhD awarded by the University of Hawaii, USA) (Approved 2007)

Vera Domingues - SFRH/BD/13069/2003: Reconstruction of post-glacial colonization routes of fish with tropical and sub-tropical affinities in the Azores: A biogeographic and molecular approach. (Approved 2008, University of the Azores)

Fernando Tempera - SFRH/BD/12885/2003: Classification and Mapping of Benthic Sublittoral Biotopes in the Faial-Pico Channel (Azores) (co-supervisor: PhD awarded by the University of St Andrews, UK) (Approved 2008)

Mirko De Girolamo – SFRH/BD/6916/2001: Genetic interpretation of the social mating system and larval dispersal in a fish with male parental care, the redlip blenny *Ophioblennius atlanticus atlanticus*. (Approved 30 of January 2009, University of the Azores)

Jorge Fontes – SFRH/BD/12788/2003: Larval dispersal and recruitment patterns in Azorean coastal fishes (Implications for Marine Reserves). (Approved 14 of July 2009, University of the Azores)

Virginie Riou - MoMARNet (FP6-RTN/2003/505026) Marie Curie Fellowship 2005: Trophic ecology of the hydrothermal vent mussel *Bathymodiolus azoricus*. (*co-tutela*: PhD awarded by the University of the Azores, Portugal and by the Université Libre de Bruxelles, Belgium). (Approved 14 of January 2010)

Inês Martins – SFRH/BD/19736/2004: Ecotoxicological response of mussel *Bathymodiolus azoricus* from Lucky Strike hydrothermal vent: microenvironment biotic and abiotic influence. (University of the Azores). (Approved 9 of November 2010)

Daphne Cuvelier – MarBEF (FP6-GOCE-CT-2003-505446) fellowship DeepSets 2006 & SFRH/BD/47301/2008: Temporal variations of the Mid-Atlantic hydrothermal vent communities from the Lucky Strike vent field. (PhD to be awarded by University of the Azores. In collaboration with University of Southampton-UK, MNH-UK, IFREMER-France, AWI-Germany). (Approved 28 of February 2011)

Damien SirJacobs – FRIA & FNRS: Study of the ecology, population structure and dynamic of the macroalgae *Codium elisabethae* in Faial (Azores) with underater visible imagery. (PhD awarded by the Université de Liège, Belgium and University of the Azores, Portugal). (Approved 30 Sept. 2011 in Faculté des Sciences – Université de Liège).

On going

João Gama Monteiro – SFRH/BD/27869/2006: Ecological assessment and molecular phylogeography approach of major coral communities in Cabo Verde. (University of the Azores)

Irma Cascão – SFRH/BD/41192/2007: Cetacean movements in relation to the dynamics of the sound-scattering layer in the Azores. (University of the Azores)

Mara Schmiing – FreeSubNet (FP6 RTN/2006/2/036186-2) Marie Curie Fellowship 2007 & SFRH/BD/66117/2009: Mapping of multispecies essential habitats using GIS spatial modelling in the Azores. (University of the Azores)

Andreia Braga Henriques – DRCT/M3.1.2/F/016/2008: Cold-water coral communities in the Azores: diversity, habitat and biological response to anthropogenic impacts. (University of the Azores)

Frédéric Vandeperre – SFRH/BD/46891/2008: Role of the wider Azores region as a nursery ground for North Atlantic blue shark (*Prionace glauca*): towards a plan for the spatial management of open ocean fisheries. (University of the Azores)

Christopher Pham – SFRH/BD/66404/2009: Deep Water Fisheries off the Azores; Interaction with Cold-Water Coral Communities. (University of the Azores)

Sílvia Patricia Pena Lino – SFRH/BD/72154/2010: Bioprospecting deep-sea marine animal fatty acids from the Azores for possible therapeutic applications. (University of the Azores)

Eva Lúcia Martins Graça – SFRH/BD/68951/2010: A “genes to proteins” approach to characterize the deep sea vents mussel *Bathymodiolus azoricus* survival strategies and physiological adaptations in extreme environments. (University of the Azores)

Inês Filipa Santos Barros – SFRH/BD/73152/2010: Deep-sea Immunity: investigating innate immune gene expression to understand the mussel *Bathymodiolus azoricus* molecular mechanisms to adapt and subsist at deep-sea hydrothermal vent sites. (University of the Azores)

Post-Docs Researchers

Ana Colaço: IMAR- EU-VENTOX 2000: Trophic ecology of hydrothermal vents (Jan 2002- Dec 2003)

Sophie Quéroutil: IMAR/FCT- PDOC- 006/2001- MoleGen Population genetics of Azorean and North-eastern Atlantic cetacea.

Joël Bried: IMAR/FCT- PDOC- 001/2001- BirdEco - Mating system and reproductive sucess of two species of seabirds of the Azores.

Enikö Kádár: IMAR/FCT- PDOC- 003/2001- EcoToxi - Adaptons to extreme environmemt in the hydrothermal vent bivalve *Bathymodiolus azoricus*.

Sergio Steffani: IMAR/FCT – PDOC- 002/2001 - MoleGen. Molecular population genetics on marine fishes of the Azores.

Niels Bouton: IMAR/FCT – PDOC- 004/2001- BehaEco – Feeding ecology and morphological adoptions of Azorean Blennies.

Sophie Quéroutil: SFRH/BPD/19680/2004: Genetics of cetacean populations of the Azores and North-eastern Atlantic.

Joël Bried: SFRH/BPD/20291/2004: Conservation of the petrels in the Azores.

Eniko Kadar: SFRH/BPD/19625/2004: Adaptations to extreme environment in the hydrothermal vent bivalve *Bathymodiolus azoricus* - Shell crystalization and heavy metal deposition -

Sergio Stefanni: SFRH/BPD/14981/2004: Molecular ecology and biogeography of coastal fishes of the Azores.

Niels Bouton: SFRH/BPD/14868/2004: Mate choice in blennies (Teleostei: Blenniidae).

Raul Bettencourt: SFRH /BPD/14896/2004: Marine invertebrate innate immunity: a case study in bivalve species found in the Azores islands, Portugal.

Irene Martins: SFRH/BPD/17654/2004: Modelling of the trophic relationships of deep-sea hydrothermal vent ecosystems of the Azores.

Paula Tavares: SFRH/BPD/14892/2004: The value of aquatic bird populations in the assessment of environmental quality.

Sérgio Paulo Ávila Campos Marques: SFRH/BPD/22913/2005: How did they get here? Palaeobiogeography and neobiogeography of the marine invertebrates of the Azores and Madeira: patterns and processes.

Ralf Bublitz: GREX/IMAR/AI-001-2006: Coordination and Control of Cooperating Heterogeneous Unmanned Systems in Uncertain Environment.

Ruth Higgins: IMAR/EMPAFISH/BPD1/001-003/2005-2008: European Marine Protected Areas as Tools for Fisheries Management and Conservation.

Verónica Neves: SFRH/BPD/26657/2005: Environmental variability and population dynamics: roseate terns as monitors of the Azores marine food-webs.

Mónica Silva: SFRH/BPD/29841/2006: Cetacean foraging ecology and habitat associations in the oceanic realm: an integrated approach.

Telmo Morato Gomes: SFRH/BPD/27007/2006: Developing ecosystem-based approaches to the management of Azores marine resources, biodiversity and habitats.

Pedro Afonso dos Santos: SFRH/BPD/27057/2006: Mapping habitat use and migration pathways of key fishes in the central-Atlantic - A multi-species, multi-habitat and multidisciplinary approach.

Joël Bried: SFRH/BPD/36425/2007: Seabird conservation and climate change: the Azorean petrels as bio-indicators of the variations of oceanic conditions.

Raul Bettencourt: SFRH/BPD/35808/2007: Life in extreme environments: looking into innate immune reactions to understand the deep sea mussel *Bathymodiolus azoricus* physiological adaptations and survival strategies at hydrothermal vent sites.

Marina Carreiro-Silva: SFRH/BPD/34634/2007: Factors controlling carbonate production and destruction of cold-water coral reefs of the NE Atlantic.

Paolo Lambardi: SFRH/BPD/41199/2007: Migratory pattern and foraging strategies of Cory's shearwater breeding in Azores Islands: meaningful insights from oceanographic analysis.

Jorge Fontes: SFRH/BPD/66532/2009: Seamount reserve effects, connectivity and essential juvenile habitat.

Pedro Miguel de Azevedo Ribeiro: SFRH/BPD/69232/2010: CORALGENE: Identifying the footprints of adaptive evolution to deep-sea environments in the genome of cold-water corals of the North Atlantic Ocean.

Inês do Carmo Alves Martins: SFRH/BPD/73481/2010: Life in extreme environments: looking beyond the mussel *Bathymodiolus azoricus* physiological reactions to understand adaptations and survival strategies at deep-sea hydrothermal vent sites.

João Lemos Gomes Canning Clode: SFRH/BPD/75775/2011: Exploring fouling invasions in Portuguese waters: roles of artificial substrates and metal pollution.

Fernando Nuno Costa Tempera: SFRH/BPD/79801/2011: Mapping Azores Deep-Sea Habitats: linking geomorphology to biology.

BCC

Alan James Southward - Praxis XXI/BCC/7302/96 (Maio de 1997 - Janeiro de 1998).

Peter Wirtz- Praxis XXI/ BCC/ 16435/98 (Outubro de 1998 – Setembro 2001).

Mark Bolton- Praxis XXI/P/BIA/13194/98 (Janeiro 2000 – Dezembro 2001)

Teaching Activities

1980/81: assistant "Introduction to Psychology" 1st year of the 5 years higher studies diploma on Psychology course of ISPA-Lisboa (Instituto Superior de Psicologia Aplicada - Lisboa)

1980/81: assistant "Biology" (module on behaviour) 1st year of the 5 years higher studies diploma on the Psychology course of ISPA-Lisboa (Instituto Superior de Psicologia Aplicada - Lisboa)

1980/81: assistant "Ethology" 3rd year of the 5 years higher studies diploma on the Psychology course of ISPA-Lisboa (Instituto Superior de Psicologia Aplicada - Lisboa)

1985: seminar on “Evolution and Behaviour” for the students of the module of Vertebrates of the *licenciatura* in Biology of the Department of Biology of the University of the Azores (Ponta Delgada - Lisboa).

1985: seminar on “Behavioural Ecology” for the students of module of Vertebrates of the *licenciatura* in Biology of the Department of Biology of the University of the Azores (Ponta Delgada).

1985: seminar on "Biology of Human Behaviour" integrated in a seminar on Human Relations for the Regional Public Administration- Azores (Ponta Delgada).

1986/87: coordinator of the semester course of “Animal Ethology” of the 3rd year of the *licenciatura* in Zootechnic Engeneering of the Department of Agricultural Sciences of the University of the Azores (Angra do Heroísmo).

1987/88: coordinator of the semester course of "Physical and Biological Child Development" for the students of the module of Psychological Development of the Department of Educational Sciences of the University of the Azores (Ponta Delgada)

1987/88: coordinator of the semester course of “Animal Ethology” of the 3rd year of the *licenciatura* in Zootechnic Engeneering of the Department of Agricultural Sciences of the University of the Azores (Angra do Heroísmo).

1988/89: coordinator of the semester course of “Animal Ethology” of the 3rd year of the *licenciatura* in Zootechnic Engeneering of the Department of Agricultural Sciences of the University of the Azores (Angra do Heroísmo).

July 1991: invited lecturer at the post-graduation course on Conservation and Exploration of Marine Coastal Resources, organized by the University of La Laguna (Canary Islands).

1991/ 1992: coordinator of the semester course of “Animal Ethology” of the 3rd year of the *licenciatura* in Zootechnic Engeneering of the Department of Agricultural Sciences of the University of the Azores (Angra do Heroísmo).

July 1992: invited lecturer at the post-graduation course on Conservation and Exploration of Marine Coastal Resources, organized by the University of La Laguna (Canary Islands).

1993: invited lecturer at the chair of Vertebrates 3rd year of the *licenciatura* course on Biology of Department of Biology of the University of the Azores (Ponta).

1998/1999: coordinator of the semester course of "Marine Ethology" of the 4rd year of the *licenciatura* in Marine Biology of the Department of Biology of the University of the Azores (Ponta Delgada and Horta)

1999/2000: coordinator of the semester course of "Marine Ethology" of the 4rd year of the *licenciatura* in Marine Biology of the Department of Biology of the University of the Azores (Ponta Delgada and Horta).

1999/2000: coordinator of the semester course of "Marine Reserves" at the post-graduation course on "Management and Conservation of Nature" of the Instituto de Energia do Mindelo, Cabo Verde.

2001 to 2004: coordinator of the semester course of "Marine Ethology" of the 4rd year of the *licenciatura* in Marine Biology of the Department of Biology of the University of the Azores (Ponta Delgada and Horta).

2004/2005: co- coordinator of the annual course of "Management and Conservation of Marine Resources" of the MSc course on "Integrated Ocean Studies" (MEIO), Department of Oceanography and Fisheries (University of the Azores).

2005/2006: co- coordinator of the annual course of "Management and Conservation of Marine Resources" of the MSc course on "Integrated Ocean Studies" (MEIO), Department of Oceanography and Fisheries (University of the Azores).

2006/2007: coordinator of the annual "Seminars" of the MSc programme on "Integrated Ocean Studies" (MEIO), Department of Oceanography and Fisheries (University of the Azores).

2008/2009: coordinator of the annual "Seminars" of the MSc programme on "Integrated Ocean Studies" (MEIO), Department of Oceanography and Fisheries (University of the Azores).

2009/2010: coordinator of the annual "Seminars" of the MSc course on "Integrated Ocean Studies" (MEIO), Department of Oceanography and Fisheries (University of the Azores).

2010/2011: coordinator of the annual "Seminars" of the MSc course on "Integrated Ocean Studies" (MEIO), Department of Oceanography and Fisheries (University of the Azores).

Research projects:

Regional funding

EXPO'98 - *****

RAA- SRAPA/ DRP 1993: Assessment and management of inshore resources. (Coordinator - contractor).

RAA- SRE/ DRT- 1995: Impact of whale watching activities on cetacean populations: assessment and regulations. (Coordinator - contractor).

RAA- SRE/ DRT 1995: TURISUB- Studies for the development of underwater tourism of the Azores. (Coordinator - contractor).

PT – POPA (since 1998): Observers program for the fisheries of the Azores. (Coordinator - contractor).

DRCT M2.1.1/I/008/2005 –LabHorta - Automation and Up-Grading of LabHorta – Technology for the exploration of marine molecules of deep-sea organisms] (Coordinator - contractor). [30.000€] (Coordinator - contractor).

DRCT M1.1.3/I/013/2005 – Scientific Re-equipment of Centre of IMAR of the University of the Azores/ Phase I. (Coordinator - contractor). [78.518,65€]

DRCT M1.1.3/I/009/2005 – Scientific Re-equipment of Centre of IMAR of the University of the Azores/ Phase II. (Coordinator - contractor). [20.000,00€]

DRCT M1.1.1/I/006/2005 – Support on the functioning of Centre of IMAR of the University of the Azores. (Coordinator - contractor). [150.646,02€]

DRCT M1.1.3/I/009/2006 – Scientific Re-equipment of Centre of IMAR of the University of the Azores/ Phase III. (Coordinator - contractor). [149.941,18€]

DRCTC M1.1.3/I/003/2007 – Scientific Re-equipment of Centre of IMAR of the University of the Azores/ Phase IV. (Coordinator - contractor). [76.564,11€]

DRCT M1.1.1/I/002/2008 – Support on the functioning of Centre of IMAR of the University of the Azores. (Coordinator - contractor). [168.000,00€]

DRCTC M1.1.3/I/004/2009 – Scientific Re-equipment of Centre of IMAR of the University of the Azores/ Phase IV. (Coordinator - contractor). [100.000,00€]

DRCT M1.1.1/I/002/2011 – Support on the functioning of Centre of IMAR of the University of the Azores. (Coordinator - contractor). [48.000,00€]

CAULERPA - *****

CEPROPESCA II - *****

M212/F/03/2011 - NetBiome: SeaProlif - Diversity and functioning of coastal marine biomes under siege: implications of seaweed proliferations across three oceans. (Partner - Contractor)

M2.1.2/I/040/2011: SciPol - Science and Policy Integration for a Sustainable Marine Strategy (Coordinator - contractor)

National funding

JNICT- PCIB/C/MAR/1313/92 - Reproductive biology of fishes of the Portuguese coast (Partner).

JNICT- PBICT/BIA/2055/95: PATER- Paternity and alopaternal in territorial fishes: behavioural and genetic studies (Coordinator - contractor).

FCT – PRAXIS-XXI/3/3.2/EMG/1957/95: CLIPE- Climatic effects on the ecology of littoral fishes: A geographic and phenological approach. (Coordinator - contractor).

FCT – PRAXIS-XXI/2-2.1/MAR/1748/95: AMAR: Location and characterisation of hydrothermal vents of the AMAR segment. (Partner).

FCT – PCNA/C/BIA/94/96: NEURENDO- Neuro-ethology and behavioural endocrinology of the polymorphic male sexual behaviour of the rock-pool Azorean

blenny *Parablennius sanguinolentus parvicornis* (Pisces: Blenniidae). (Partner – contractor)

FCT – POCTI/BIA/13194/1998: PAINHO - Ecology and conservation of the temporally segregated populations of the Madeiran storm petrel *Oceanodroma castro* breeding in the Azores. (Coordinator – contractor)

ICN/FCT - PNAT/P/1999/BIA/15007: PERNA LONGA – Study on the potencial of “perna-longa” *Himantopus himantopus* as bio-indicator of mercury contamination by mercury in wetlands. (Coordinator – contractor)

FCT – PDCTM/P/MAR/15249/1999: MAROV – Coastal marine habitats, thematic mapping of the seabed using GIS, AUV (Autonomous Underwater Vehicles) & ASV (Autonomous Surface Vehicles). (Partner - contractor).

FCT – PDCTM/P/MAR/15281/1999 / SEAHMA – Seafloor and sub-seafloor hydrothermal modelling in the Azores sea. (Partner – Contractor)

FCT – POCTI/BSE/41207/2001: MAREFISH: Benefits of marine protected areas: testing the theory with field experiments. (Coordinator - contractor).

FCT – POCTI/BSE/38991/2001: CETAMARH - Ecology and population structure of bottlenose dolphins and sperm whales in the Azores: assessing the relationship with habitat features. (Coordinator - contractor).

AdI – Agência de Inovação/ Agency of Innovation 2003: MAYA Development of a Miniaturized Autonomous Underwater Vehicle for Habitat Mapping (Partner – Contractor).

FCT – REEQ/953/MAR/2005: Science and Technology for the Exploration of the Oceans: Towards the Development of an Environmental Laboratory in the Azores (Partner – Contractor).

FCT - POCTI/MAR/55609/2004: RUMOS - Robotic Underwater Vehicles and Marine Animals Tracking Systems (Partner – Contractor).

FCT – POCTI/CLI/58348/2004: PORTCOAST – Present and Future Portuguese Coastal Climate and its Impact on the Biological Communities (Partner).

PRODESA/IFOP 2005: CEPROPESCA – Certification and Promotion of Fishing Activity and Fishing Products of the Azores. (Coordinator – Contractor).

FCT - PTDC/MAR/74071/2006: TRACE - Cetacean habitat associations in oceanic ecosystems: an integrated approach. (Coordinator – Contractor).

FCT - Pest/OE/EEI/LA00009/2011 – Projecto Estratégico LA 9 (LARSyS) – 2011-2012 (Partner – Contractor).

FCT - PTDC/MAR/105486/2008 – BIOMOUNT - Microbian diversity and its function on the trophic chain of benthic organisms at the Condor seamount (North-Esat Atlantic NE). (Coordinator – Contractor).

European funding

INTAS-94-0592: Biogeography and biodiversity of hydrothermal vents and cold seeps: an international cooperative study. (Partner - contractor).

MAS3-CT0040 – 1995 - AMORES - Azores mid-oceanic ridge ecosystem studies: an integrated research program on deep-sea hydrothermal transfers and fluxes. (Partner).

MAST3- CT97-0092: ASIMOV- Advanced system integration for managing the coordinated operation of robotic ocean vehicles. (Associated partner - contractor).

LIFE B4-3200/98-509: MARÉ: Integrated management of coastal and marine areas in the Azores (Coordinator - contractor)⁴

EVK2 - 1999 - 00250: BIOMARE: Implementation and Networking of large-scale long-term marine biodiversity research in Europe. (Partner- contractor).

EVK3 - CT 1999 - 00003: VENTOX: Deep-sea hydrothermal vents: a natural pollution laboratory. (Partner - contractor).

EVK3-2001-00110: M@RBLE: Electronic conference on marine biodiversity research in Europe. (Partner – contractor)

EVK3- 2001-00177: MARBENA: Creating a long term infrastructure for marine biodiversity research in the European Economic Area and the Newly Associated States. (Partner - contractor)

EVK3 – CT 2002 – 00073: OASIS: Oceanic Seamounts: An Integrated Study. (Partner - contractor).

INTERREG IIIb/MAC/4.2/A2 2001: OGAMP – Management of marine protected areas in Macaronesia (Azores, Canaries and Madeira) (Coordinator – Contractor)

FP6-GOCE-CT-2003-505342: EXOCET/D – Extreme ecosystem studies in the deep ocean: technological developments (STREP) (Partner - Contractor).

FP6-GOCE-CT-2003-505446: MARBEF – Marine Biodiversity and Ecosystem Functioning (Network of Excellence) (Partner – Contractor).

FP6-RTN/2003/505026: MoMARNET – Monitoring deep sea floor hydrothermal environments on the Mid-Atlantic Ridge: A Marie Curie Research Training Network (Partner – Contractor).

INTERREG IIIb - 03/MAC/4.2/A1 2004: MARMAC – Knowledge, promotion and valorisation for a sustainable use of marine protected areas in Macaronesia. (Coordinator – Contractor).

FP6 2003 SSP3 – P006539: EMPAFISH – European marine protected areas as tools for fisheries management and conservation. (Partner – Contractor)

⁴ “*The project made a major contribution to the establishment of the Natura 2000 Network; its management plan preparation and implementation strategies can be used as a model for other important marine sites both in mainland Portugal and elsewhere in the EU.*” Cited from pp. 42-43 of FOCUS/LifeIII 2006. LIFE and the Marine Environment: Promoting Sustainable Management of Europe’s seas. European Commission. Office for Official Publications of the European Communities, Brussels 2006 [ISBN 92-79-03447-2]

LIFE04NAT/PT/000213: Important Areas for the Marine Birds in Portugal. (Partner – Contractor)

FP6-IST/2005/035223: GREX – Coordination and control of cooperating heterogeneous unmanned systems in uncertain environments (STREP) (Partner - Contractor).

FP6-GOCE/2005/036851-1: ESONET/NoE – European Seas Observatory Network (Network of Excellence) (Partner – Contractor).

FP6 RTN/2006/2/036186-2: FREESUBNET – A European Research Training Network on Key technologies for Intervention Autonomous Underwater Vehicles (Partner – Contractor)

INTERREG IIIb - 05/MAC/4.2/A4 2007: MARMACII – Knowledge, promotion and valorisation for a sustainable use of marine protected areas in Macaronesia. (Coordinator – Contractor).

FP7 ENV/2007/1/213144: CORALFISH – Assessment of the interaction between corals, fish and fisheries, in order to develop monitoring and predictive modelling tools for ecosystem based management in the deep waters of Europe and beyond (Partner – Contractor).

FP7 KBBE/2007/1/212881: MEFETOPO – Making the European Fisheries Ecosystem Plan Operational (Partner – Contractor).

FP7 KBBE/2007/1/210496: MADE – Mitigating Adverse Ecological Impacts of Open Ocean Fisheries (Partner – Contractor).

FP7 ENV/2008/1/226354: HERMIONE - Hotspot Ecosystem Research and Man's Impact on European Seas. (Partner – Contractor).

FP7 ENV/2007/2/2.1.6/211700: CAREX – Coordination Action for Research Activities on life in Extreme Environments (Associated Partner).

FP7-INFRASTRUCTURES/2011/1/ 284407: EcoBOS – The European Marine and Freshwater Ecosystem and Biodiversity Observatory System.

InterReg Atlantic – POCTE 2009-1/110: MeshAtlantic - Mapping Atlantic Area seabed habitats for better marine management. (Partner – Contractor).

FP7-PEOPLE- Marie Curie Actions IRG-2008/231109: CoralChange - Factors controlling carbonate production and destruction of cold-water coral reefs of the NE Atlantic. (Coordinator)

FP7-ICT-2011-7- 288704: MORPH- Marine robotic system of self-organizing logically linked physical nodes. (Partner – Contractor).

Other funding

FLAD – Proc. 3.G/A-II- Proj. 242/1997: MESOPE: Biodiversity, biogeography and bioaccumulation in mesopelagic fishes of the North Atlantic: A study for Luso-American co-operation. (Coordinator - contractor).

FLAD – Proc. 3B/A.V- Proj. 79/2003: TELAZO: Effects of Marine Reserves: Bio-telemetry in the Azores. (Coordinator - Contractor).

Publications:

Thesis

Santos R. S. 1984. Contribuição para o Estudo da Eto-Ecologia de *Blennius sanguinolentus* Pallas (Pisces: Blenniidae) do litoral rochoso dos Açores. Universidade dos Açores, Ponta Delgada.

Santos R. S., 1992. Behavioural ecology, phenology and ethology of an intertidal blenny - *Parablennius sanguinolentus parvicornis*- from the Azores. Port Erin Marine Laboratory, Department of Environmental and Evolutionary Biology; Faculty of Sciences, University of Liverpool.

ISI WEB OF KNOWLEDGE (JOURNALS WITH IMPACT FACTOR)

PUBLISHED

138- Braga-Henriques, A. F. D., M. Carreiro-Silva, F. Tempera, F. M. Porteiro, K. Jakobsen, J. Jakobsen, M. Albuquerque & R. S. Santos 2011. Carrying behaviour in the deep-sea crab *Paromola cuvieri* (Northeast Atlantic). *Marine Biodiversity*, 42 (1): 37-46. doi: 10.1007/s12526-011-0090-3

137 - Ressurreição, A., J. Gibbons, M. Kaiser, T. P. Dentinho, T. Zarzycki, C. Bentley, M. Austen, D. Burdon, J. Atkins, R. S. Santos, & G. Edwards-Jones 2012. Different cultures, different values: the role of cultural variation in public's willingness to pay for marine species conservation. *Biological Conservation*, 145 (1): 148–159. doi:10.1016/j.biocon.2011.10.026

136- Mohandass, C., R. Rajasabapathy, C. Ravindran, A. Colaço, R. S. Santos & R. M. Meena (2012). Bacterial diversity and their adaptations in the shallow water hydrothermal vent at D. João de Castro Seamount (DJCS), Azores, Portugal. *Cahiers de Biologie Marine*, 53 (1): 65-76.

s/n - Van Dover, C. L., C. R. Smith, J. Ardron, D. Dunn, K. Gjerde, L. Levin, S. Smith and **The Dinard Workshop Contributors** [S. Arnaud-Haond, Y. Beaudoin, J. Bezaury, G. Boland, D. Billett, M. Carr, G. Cherkashov, A. Cook, F. DeLeo, C. R. Fisher, L. Godet, P. Halpin, M. Lodge, L. Menot, K. Miller, L. Naudts, C. Nugent, L. Pendleton, S. Plouviez, A. A. Rowden, R. S. Santos, T. Shank, C. Tao, A. Tawake, A. Thurnherr & T. Treude] 2012. Designating networks of chemosynthetic ecosystem reserves in the deep-sea. *Marine Policy*, 36 (2): 378-381. doi:10.1016/j.marpol.2011.07.002.

135- Vandeperre, V., R. M. Higgins, J. Sánchez-Meca, F. Maynou, Raquel Goñi, P. Martín-Sosa, A. Pérez-Ruzafa, P. Afonso, I. Bertocci, R. Crec'hriou, G. D'Anna, M. Dimech, C. Dorta, O. Esparza, J. M. Falcón, A. Forcada, I. Guala, L. Le Direach, C. Marcos, C. Ojeda-Martínez, C. Pipitone, P. J. Schembri, V. Stelzenmüller, B. Stobart & R. S. Santos 2011. Effects of no-take area size and age of marine protected areas on fishery yields: a meta-analytical approach. *Fish and Fisheries*, 12 (4): 412-426. doi: 10.1111/j.1467-2979.2010.00401.x

- 134- Afonso, P., J. Fontes & R. S. Santos 2011. Small marine reserves offer long-term protection to an endangered fish. *Biological Conservation*, 144, (11): 2739-2744. doi: 10.1016/j.biocon.2011.07.028
- 133- Cuvelier, D., J. Sarrazin, A. Colaço, J. T. Copley, A. G. Glover, P. A. Tyler, R. S. Santos & D. Desbruyères (accepted April 2011). Community dynamics over 14 years at the Eiffel Tower hydrothermal edifice on the Mid-Atlantic Ridge. *Limnology and Oceanography*, 56 (5): 1624-1640. doi: 10.4319/lo.2011.56.5.1624
- 132- Xavier, J. C., M. C. Magalhães, A. S. Mendonça, M. Antunes, N. Carvalho, M. Machete, R. S. Santos, V. Paiva & K. Hamer 2011. Changes in diet of cory's shearwaters *Calonectris diomedea* breeding in the Azores. *Marine Ornithology* 39: 125–130.
- 131- Cuvelier, D., P.-M. Sarradin, J. Sarrazin, A. Colaço, J. T. Copley, D. Desbruyères, A. G. Glover, R. S. Santos & P. A. Tyler 2011. Hydrothermal faunal assemblages and habitat characterisation at the Atlantic Eiffel Tower edifice (Lucky Strike vent field). *Marine Ecology*, 32 (2): 243-255. doi: 10.1111/j.1439-0485.2010.00431.x
- 130- Martins, I., R. Cosson, V. Riou, P.-M. Sarradin, J. Sarrazin, R. S. Santos & A. Colaço 2011. Relationship between the chemical characteristics of *Bathymodiolus azoricus* microhabitat and its metal load at Eiffel Tower (MAR, Lucky Strike). *Deep Sea Research Part I: Oceanographic Research Papers*, 58 (3): 306–315: doi: 10.1016/j.dsr.2011.01.002
- 129- Ressurreição, A., J. Gibbons, T. P. Dentinho, M. Kaiser, R. S. Santos & G. Edwards-Jones 2011. Economic valuation of species loss in the open sea. *Ecological Economics*, 70 (4): 729-739: doi:10.1016/j.ecolecon.2010.11.009
- 128- Silva, M. A., M. Machete, D. Reis, M. Santos, R. Prieto, C. Dâmaso, J. G. Pereira & R. S. Santos 2011. A review of interactions between cetaceans and fisheries in the Azores. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 21(1): 17–27. doi: 10.1002/aqc.1158
- 127- Fontes, J., R. S. Santos, P. Afonso & J. E Caselle 2011. Larval growth, size, stage duration and recruitment success of a temperate reef fish. *Journal of Sea Research*, 65 (1) 1–7. doi: 10.1016/j.seares.2010.05.001
- 126- Colaço, A., R. Bettencourt, V. Costa, S. Lino, H. Lopes, I. Martins, L. Pires, C. Prieto & R. S. Santos 2011. LabHorta: a controlled aquarium system for monitoring physiological characteristics of the hydrothermal vent mussel *Bathymodiolus azoricus*. *ICES Journal of Marine Science*, 68 (2): 349-356. doi: 10.1093/icesjms/fsq120
- 125- Bettencourt, R., V. Costa, M. Laranjo, D. Rosa, L. Pires, A. Colaço, H. Lopes & R. S. Santos 2011. Out of the deep-sea into a land-based aquarium environment: Investigating physiological adaptations in the hydrothermal vent mussel *Bathymodiolus azoricus*. *ICES Journal of Marine Science*, 68 (2): 357-364. doi: 10.1093/icesjms/fsq119
- 124- Martins, I., R. Bettencourt, A. Colaço, P.-M. Sarradin, R. S. Santos & R. Cosson 2011. The influence of nutritional conditions on metal uptake by the mixotrophic dual symbiosis harboring vent mussel *Bathymodiolus azoricus* (Cosel *et al.* 1999). *Comparative Biochemistry and Physiology Part C: Toxicology and Pharmacology*, 153 (1) 40–52 doi: 10.1016/j.cbpc.2010.08.004

- 123- Bettencourt, R., V. Costa, M. Laranjo, D Rosa, L. Pires, A. Colaço, P.-M. Sarradin, M. J. Sarrazin & R. S. Santos 2010. Out of the deep-sea into a land-based aquarium environment: Investigating innate immunity in the hydrothermal vent mussel *Bathymodiolus azoricus*. *Cahiers de Biologie Marine*, 51 (4): 341-350.
- 122- Faria, C., F. Gil, R. S. Santos & V. C. Almada 2010. A comparison between the ontogeny of two related blenniid species *Parablennius gattorugine* and *Parablennius ruber* (Pisces: Blenniidae). *Journal of the Marine Biological Association of the U.K.*, 90 (7): 1263-1268. doi: 10.1017/S002531540999138X
- 121- Bettencourt, R., M. Pinheiro, C. Egas, P. Gomes, M. Afonso, T. Shank & R. S. Santos 2010. High-throughput sequencing and analysis of the gill tissue transcriptome from the deep-sea hydrothermal vent mussel *Bathymodiolus azoricus*. *BMC Genomics*, 11: 559. doi: 10.1186/1471-2164-11-559
- 120- Quéroutil, S., L. Freitas, I. Cascão, F. Alves, A. Dinis, J. R. Almeida, R. Prieto, S. Borràs, J. A. Matos, D. Mendonça & R. S. Santos 2010. Molecular insight on the population structure of common and spotted dolphins inhabiting the pelagic waters of the Northeast Atlantic. *Marine Biology*, 157 (11) 2567-2580. doi: 10.1007/s00227-010-1519-0
- 119- Riou V., S. Bouillon, R. S. Santos, F. Dehairs & A. Colaço 2010. Tracing carbon assimilation in endosymbiotic deep-sea hydrothermal vent Mytilid fatty acids by ¹³C-fingerprinting. *Biogeosciences*, 7 (9): 2591–2600. doi: 10.5194/bg-7-2591-2010
- 118- Fontes, J., P. Afonso, R. S. Santos & J. E. Caselle 2010. Seasonal variability of larval growth, size, stage duration and recruitment success of a wrasse, *Coris julis* (Pisces, Labridae), from the Azores. *Scientia Marina*, 74 (4): 721-729. doi: 10.3989/scimar.2010.74n4721
- 117- Riou V., S. Duperron, S. Halary, F. Dehairs, S. Bouillon, I. Martins, A. Colaço & R. S. Santos 2010. Variation in physiological indicators in *Bathymodiolus azoricus* (Bivalvia: Mytilidae) at the Menez Gwen Mid Atlantic Ridge deep sea hydrothermal vent site within a year. *Marine Environmental Research*, 70 (3-4): 264-271. doi: 10.1016/j.marenvres.2010.05.008
- 116- Bried, J., M.-P. Dubois, P. Jarne, P. Jouventin & R. S. Santos 2010. The effects of competition for nests on genetic monogamy in Cory's shearwater. *Journal of Avian Biology*, 41 (4): 407-418. doi:10.1111/j.1600-048X.2010.05012.x
- 115- Company, R., A. Serafim, R. P. Cosson, A. Fiala-Medioni, L. Camus, R. S. Santos & M. J. Bebianno 2010. Sub-lethal effects of cadmium on the antioxidant defence system of the hydrothermal vent mussel *Bathymodiolus azoricus*. *Ecotoxicology and Environmental Safety*, 73 (5): 788-795. doi:10.1016/j.ecoenv.2010.01.003
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OTHER MULTIMEDIA AND TV

PARA ALÉM DO SOL NASCENTE (Beyond the Rising Sun). 1985: Documentário televisivo com 30 minutos de duração sobre a ecologia dos Ilhéus das Formigas (Açores), com cerca de 80% de imagens sub-aquáticas. Produção: RTP-A (no. de arquivo: K 449 c). Realização: Domingos Monteiro. Autoria e Texto: Ricardo Serrão Santos que também acompanhou todas as filmagens sub-aquáticas obtidas por Paulo de Oliveira. Este documentário representou a RTP-A na I Mostra Atlântica de Televisão, tendo sido exibido em Portugal e no estrangeiro.

O MAR E A TERRA: AÇORES. 1988/89: colaboração científica nos textos de Fernando Melo, referentes às imagens sub-aquáticas, para a série realizada por António Hipólito (9 episódios).

AS FENDAS DE PANGEA por José Serra & Ricardo Serrão Santos. 1989: primeiro episódio da série: ILHAS VIVAS, co-produzida pela Rádio Televisão Portuguesa e a Universidade dos Açores, sobre a vida submarina nos Açores. Guião, autoria e textos de Ricardo Serrão Santos e participação na montagem, sonorização e filmagens sub-aquáticas obtidas por José Serra. Este documentário representou a RTP/A na V Mostra Atlântica de Televisão.

ILHAS VIVAS (Living Islands) por José Serra & Ricardo Serrão Santos. 1989/90: seis documentários sobre o meio ambiente marinho dos Açores: 1. As Fendas de Pangea; 2. Os Peixes; 3. Os Invertebrados; 4. Estudar o Litoral; 5. Reservas Marinhas; 6. As Instituições. Cada episódio tem a duração de 1/2 hora. As imagens são de José Serra, que comigo produziu, montou e sonorizou os episódios. Acompanhei, com o Norberto Serpa como assistente, as filmagens sub-aquáticas obtidas por José Serra. O guião, a autoria e a coordenação científica da série é de Ricardo Serrão Santos, e os textos de Ricardo Serrão Santos, João Gonçalves, Luís Rocha Monteiro e José Paula. A série foi estreada nos Açores em Maio 1990, com ante-estreia para convidados e imprensa no Auditório da RTP/A em Ponta Delgada. A série foi apresentada no Canal 1 da RTP entre Fevereiro e Março de 1991. O documentário sobre Os Peixes representou a RTP/A na VI Mostra Atlântica de Televisão (S. Miguel, Açores).

EXPO-SUB AÇORES/90. Organização, produção, realização e apresentação da Exposição de Fotografia Sub-Áquatica (autores: Peter Wirtz, Robert Patzner, Pedro Ré, José Paula & David Moss -fotografia- e José Serra & Ricardo Serrão Santos -video-), conjuntamente com Helena A. Isidro. A exposição, que consta de 80 fotografias, slides e video foi inaugurada em Agosto na cidade da Horta, sendo sucessivamente apresentada na Vila das Lages do Pico (Agosto), em Manchester/UK (Setembro), em Angra do Heroísmo (Novembro), Nos meses de Março/Abril 1991 foi apresentada nas cidades de Lisboa, Porto, Aveiro e Faro com o apoio especial do BRITISH COUNCIL (Lisboa). De Abril a Setembro 1991 a exposição esteve no Aquário Vasco da Gama em Lisboa. Diversos fundos e apoios foram canalizados para esta exposição.

Coordenação do diaporama para o Pavilhão dos Açores na EXPO'98 (realização AVS) 1997/98.

Coordenação do CD e do quiosque interactivo sobre Biodiversidade Marinha dos Açores para o Pavilhão dos Açores na EXPO'98 (realização Raiz Quadrada & Megamedia) 1997/98.

Coordenação dos painéis fotográficos de decoração do Pavilhão dos Açores na EXPO'98 (realização Média Imagem) 1997/98.

LIST OF EVENTS ORGANISED IN 2006 ONLY (EXAMPLES - NOT ACTUALIZED)

MARECO/CoML - Satellite Telemetry Workshop. Centro do Mar, Horta, Faial, Azores, 30-31 January 2006

1st Workshop of the Associated Laboratory. Centro do Mar, Horta, Faial, Azores: 17 – 19 April 2006

Kick Off Meeting of GREX - Coordination and control of cooperating heterogeneous unmanned systems in uncertain environments. Centro do Mar, Horta, Faial, Azores: 12 – 14 June 2006

International Conference: The Maritime European Policy and the Regions. Sociedade Amor da Pátria, Horta, Faial, Azores, 25- 27th June 2006

EMPAFISH 3rd Sectorial Meeting WP2 – Fisheries Effects. Centro do Mar, Horta, Faial, Azores, 3- 7th July 2006

MAR-ECO/CoML (Patterns and Processes of the Ecosystems of the Mid-Atlantic Ridge) Workshop for the South-Atlantic. Balneário Camboriú, Brazil, 6-7 September, 2006

OSPAR Meeting of the Working Group on Marine Protected Areas Species and Habitats (MASH). Sociedade Amor da Pátria, Horta, Faial, Azores, 2-5 October 2006

MoMARNet Shortcourse: The hydrothermal vent mussel Bathymodiolus azoricus. Centro do Mar, Horta, Azores, Portugal, 30th October – 1st November.

Day of the Sea & 2nd Scientific Steering Committee Meeting LIFE IBAs (Marine Important Offshore Bird Areas in Portugal). Centro do Mar, Horta, Azores, Portugal, 16 – 18 November 2006

Annual Meeting of IMAR and Luiz Saldanha Prize. Auditório da Câmara Municipal, Vila das Lajes, Pico, Azores, Portugal, 28 – 30 November 2006.

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- Santos, R. S. & A. Colaço 2006. Lucky Strike e Menez Gwen - Ecossistemas Hidrotermais Profundos. Consulta Pública. Secretaria Regional do Ambiente e do Mar, 16 Janeiro 2006. Centro do Mar, Horta, Faial, Azores, Portugal. [invited talk].
- Santos, R. S. 2006. MARBENA SC meeting and Workshop, 19-20 January, 2006. Tallinn, Estonia.
- Santos, R. S. 2006. OSPAR ICG Meeting on Marine Protected Areas, 24-26 January 2006. Gothenburg, Sweden.
- Santos, R. S., E. Kádár, R. Bettencourt, I. Martins & Ana Colaço 2006. Research Achievements in Deep Vent Biology in Portugal at the MoMAR region: From Retrievable Cages Towards in Situ Observatories. Symposium FLAD – Luso-American Foundation for Development, 15 March 2006. Auditório da FLAD, Lisbon, Portugal. [invited talk].
- Santos, R. S., P. Bernal & M Ruivo 2006. Status of the Global Oceans Agenda. Technical Working Group Meeting of the ASEM Oceans Initiative, 29-31 March 2006. Manila, Philippines. [invited talk representing IOC/UNESCO].
- Santos, R. S. & DOP Team 2006. Technical and Scientific Activity 2002-2005: FCT Research Unity # 531. 1st Workshop of the Associated Laboratory, 17 – 19 April 2006. Centro do Mar, Horta, Azores, Portugal.
- Santos, R. S. 2006. Deep Sea Trawl Fisheries: Threats to Habitats and Biodiversity. Deep-Sea Conservation Coalition – Science Tour. Finish Ministry of Environment, 23 April 2006, Helsinki, Finland. [invited talk].
- Santos, R. S. 2006. Deep Sea Trawl Fisheries: Threats to Habitats and Biodiversity. Deep-Sea Conservation Coalition – Science Tour. Danish Parliament, 24 April 2006. Copenhagen, Denmark. [invited talk].
- Santos, R. S. 2006. Anthropogenic impact on deep-sea ecosystems and habitat conservation (Topic 8 of WG4). Workshop on Deep Sea-Floor Frontier: An integrated approach to study the deep sea floor and its history, 1st – 2nd June 2006. Città della Scienza, Naples, Italy.
- Santos, R. S., F. Tempera & A. Colaço 2006. Ecossistemas Hidrotermais dos Açores: Perspectivas para a sua conservação. Dia Mundial dos Oceanos, Secretaria de Estado da Defesa e Assuntos do Mar. Doca da Marinha, 8 June 2006. Lisbon, Portugal. [invited talk].
- Santos, R. S. 2006. Deep-sea Biodiversity. EEAC Biodiversity Working Group, Lisbon (CNADS), 9 June 2006. CNADS, Lisbon, Portugal. [invited].
- Santos, R. S. & DOP Team 2006. Overview of Technical and Scientific Activity FCT Research Unity # 531 and Associated Laboratory #9. GREX Kick Off Meeting, 12-15 June 2006. Centro do Mar, Horta, Azores, Portugal.
- Santos, R. S. 2006. MarinERA Work Package II Workshop, 20th – 22nd June, 2006, Mallorca, Spain.
- Santos, R. S. 2006. New Era on the Research in Chemosynthetic Ecosystems of the Deep Sea. International Conference on the Maritime European Policy and the Regions, 25-27 June 2006. Sociedade Amor da Pátria, Horta, Açores, Portugal. [invited talk].

- Santos, R. S. 2006. An Introduction to Research in Marine Conservation at DOP. 3rd Sectorial Meeting EMPAFISH WP2 – Fisheries Effects, 3-7th July 2006. Centro do Mar, Horta, Açores, Portugal.
- Santos, R. S. 2006. Short Overview of Technical and Scientific Building Capacity of the FCT Research Unit # 531 and Associated Laboratory #9. Palestra para a Escola de Altos Estudos Militares de Lisboa. 4th July 2006. DOP, Horta, Faial, Azores, Portugal.
- Santos, R. S. 2006. Ecossistemas Hidrotermais dos Açores. Emissão Filatélica dos CTT: Campos Hidrotermais Lucky Strike e Rainbow, 22nd July 2006. Auditório dos CTT, Ponta Delgada, Azores, Portugal. [invited talk].
- Santos, R. S. 2006. Threats to deep-sea ecosystems and trends for their conservation. 1st European Congress of Conservation Biology, 22 – 26 August 2006. Eger, Hungary. [invited talk].
- Santos, R. S. & O. A. Bergstad 2006. Taxonomical Challenges. Patterns and Processes of the Ecosystems of the mid-Atlantic Ridge - A South-Atlantic MAR-ECO workshop, 6-7 September 2006. Balneário Camboriú, Brazil. [co-organizers]
- Santos, R. S. 2006. The Deep-sea: Out of Sight Out of the Marine Strategy? Hearing on Marine Environmental Policy, 18 September 2006 – European Parliament, Bruxelles, Belgium. [invited talk].
- Morato, T. & R.S. Santos. 2006. Conservation and management of coastal areas of the Azores. I Congress on Scuba Diving in the Azores. 27-29 October 2006, Ponta Delgada, Açores, Portugal.
- Santos, R. S. et al. 2006. Recent trends in biological research and marine conservation in deep-sea vents and seamounts in the MAR region. 3rd Conference of Directors MARS, 2-3 of October 2006. Stazioni Zoologica, Naples, Italy. [invited talk].
- Santos, R. S. & T. Carvalho 2006. LabHorta: A Land Based Laboratory for Deep Sea Vent Research. 3rd MarinERA Marine Infrastructure Forum – MIF. 3rd October 2006. Eden Roc Hotel, Sant Feliu de Guixols, Costa Brava, Spain. [invited talk, presented by T. Carvalho].
- Santos, R. S., F. Cardigos, F. Tempera & P. Afonso 2006. GREX - Status Scenarios/User Requirements. GREX Plenary Meeting, 23rd – 25th October 2006. Tecnopolis Tiburtino, Roma, Italy.
- Santos, R. S. 2006. Conservação dos Habitats e da Biodiversidade Marinha nos Açores. Zona Costeira Portuguesa – Desafios de Ordenamento e Gestão, Academia de Marinha, 26 October 2006, Lisboa, Portugal. [invited talk].
- Santos, R. S. et al. 2006. Conservação dos Habitats e da Biodiversidade Marinha nos Açores. Dia do Mar & 2nd Scientific Steering Committee Meeting LIFE IBAs Marinas Áreas Importantes para as Aves Marinhas em Portugal, 16 – 18 November 2006. Centro do Mar, Horta, Azores, Portugal.
- Santos, R. S. et al. 2006. Investigação do Mar Profundo e Perspectivas para a Biotecnologia. Palestra para os Representantes da Agência de Investimento dos Açores. 23 November 2006. DOP, Horta, Faial, Açores, Portugal.

Santos, R. S. & DOP team 2006. Technical and Scientific Activity – 2006: FCT Research Unit # 531 and Associated Lab. #9. Annual Meeting of IMAR and Luiz Saldanha Prize, 28 – 30 November 2006. Auditório da Câmara Municipal, Vila das Lajes, Pico, Azores, Portugal.

LIST OF TALKS IN 2007 (Not COMPLETE)

Santos, R. S. et al. 2007. An Ecosystem Evaluation Framework for Seamounts (based on chapter 21 of “Seamounts: Ecology, Fisheries and Conservation” by TJ Pitcher, T Morato, PJB Hart, MR Clark, N. Haggan & R Serrão Santos). Workshop on Biogeographic Classification Systems in Open Ocean and Deep Seabed Areas Beyond National Jurisdiction. 22-24 January, Universidad Nacional de Mexico, Ciudad de Mexico, Mexico (invited talk).

Santos, R. S. 2007. Recent trends in bio-technological research in deep-sea vents in the MAR region. Bi-lateral joint Workshop (Visit of the Portuguese Delegation – Under the Indo-Portuguese S&T Cooperation 18-23 March 2007). National Oceanography Institute, Dona Paula, Goa, India.

Santos, R. S. (on the behalf of MARECO Steering Group) 2007. MAR-ECO in the North Atlantic: History and Achievements. XII COLACMAR - Latin American Congress of Marine Science. 16-19 April, Florianópolis, Brazil.

Gonçalves J. M. & R. S. Santos 2007. A Universidade dos Açores e a Investigação Científica do Mar. Jornadas Economia do Mar: Energia e Investigação Científica na Ecomomia do Mar/ Um HYPERCLUSTER para o futuro. AORN. 20 Abril 2007. Ponta Delgada, Açores, Portugal. (Invited talk)

Santos, R. S. 2007. Deeper than Light: Touching the Bottom of the Ocean. NATO Parliamentary Assembly Science and Technology Committee meeting. 26 May, Tecnopolis, Funchal, Madeira, Portugal invited plenary talk)

Santos, R. S. 2007. Life Driven by Chemosynthesis: Biology and conservation in deep-sea vents in the Azores. Special Lecture Series: Inner Space. 29 May. New Bedford Whaling Museum, New Bedford, Massachusetts, USA. Pleanary invited lecture)

Santos, R. S. (on the behalf of MARECO Steering Group) 2007. MAR-ECO in the North Atlantic: history, building capacities and achievements. DEEPER THAN LIGHT: An international travelling exhibition about the deep sea. 12 June 2007, Matosinhos, Portugal (opening/inaugural speech).

Santos, R. S. 2007. *Deep-Sea Fisheries: The Hidden Dimension of the Oceans*. Towards a Future Maritime Policy for the Union. PSE Hearing at the European Parliament. 14 June European Parliament, Brussels, Belgium.

Santos, R. S. 2007. Deeper Than Light and Far From Land: Environmental Issues of the Wide European North-East Atlantic. Green Paper: Towards a Future Maritime Policy for the Union Meeting of the EPP-ED Group Bureau. 15 June, Hotel Marina, Ponta Delgada, Azores, Portugal

Santos, R. S. 2007. Societal Impact: Management, Conservation, Protocols Update on Mid-Atlantic Ridge Marine Protected Areas. ChEss 4th Scientific Steering Committee Meeting.

Celebrating 30 Years of Hydrothermal Vent Exploration. 27-29 June Puerto Ayora, Santa Cruz Islands, Galapagos, Ecuador.

Santos, R. S. 2007. Deeper than light on active seafloor: New challenges on exploration and exploitation. Conference of the Peripheral Maritime Regions - Maritime Policies and Globalization: The Oceans' Contribution to Economic Growth. 9-10 July Angra do Heroísmo, Azores, Portugal (plenary)

Santos, R. S. 2007. Montes Submarinos – Oásis do Mar Profundo. Conferência dos Oceanos – Festival dos Oceanos. National Geographic, Portugal. Oceanário de Lisboa. 4 Agosto, Lisboa, Portugal.

Santos, R. S. & I. G. Priede 2007. Evolution of benthic ecosystems and halieutic resources. ESONET – European Seafloor Observatory NoE. All Regions Workshop. 5-7 September. Barcelona, Spain.

Santos, R. S. et al. 2007. An Ecosystem Evaluation Framework for Seamounts (based on chapter 21 of “Seamounts: Ecology, Fisheries and Conservation” by TJ Pitcher, T Morato, PJB Hart, MR Clark, N. Haggan & R Serrão Santos). European Symposium on Marine Protected Areas. 25-28 September, Murcia, Spain.

Machete, M & R. S. Santos 2007. Azores Fisheries Observer Program (POPA): A case study of the multidisciplinary use of observer data. 5th International Fisheries Observer Conference. 15-18 May Victoria, British Columbia, Canada.

Santos, R. S. 2007. Universidade dos Açores: Departamento de Oceanografia e Pescas. Palestra proferida na Sessão de Homenagem do Rotary Club da Horta. Centro do Mar. 23 Setembro, Horta, Açores, Portugal.

Santos, R. S. 2007. Conclusions by the Chair. Expert Workshop on Ecological Criteria and Biogeographic Classification Systems for Marine Areas in need of Protection. Convention of Biological Diversity (UNESCO). 2-4 Oct 2007, Ponta Delgada, Azores, Portugal.

Santos, R. S. 2007. DOP - Universidade dos Açores. Onde o conhecimento dos oceanos se aprofunda. Roteiro das Ciências do Mar. Presidência da República Portuguesa. 8 Outubro. Horta, Açores, Portugal.

Santos, R. S. 2007. Recent trends in bio-technological research in deep-sea vents in the Azores region. OPEN DAYS 2007. The Atlantic as a factor of competitiveness: Innovation towards the growth of the maritime sector. 11 October. Committee of the Regions, Brussels, Belgium. (invited)

Martins, A. & R. S. Santos 2007. Ocean Research Initiatives: New challenges on its exploration and exploitation... Meeting Guide CREST/ Research Working Party. 11-12 October Ponta Delgada, Azores, Portugal (invited)

Santos, R. S., M. Machete & C. Dâmaso 2007. Uma Parceria para a Promoção da Sustentabilidade das Pescaria de Atum nos Açores. I Congresso International do Atum. 14-15 Outubro, Ponta Delgada, Açores, Portugal (Invited – with simultaneous translation)

Santos, R. S. 2007. Recent trends in biological research and conservation in deep-sea vents at the Mid-Atlantic Ridge. SEMINAR: An European Perspective on Environmental and

Scientific Issues of the North Atlantic. Parliamentary Assembly of the European Council. 18 October, Ponta Delgada, Azores, Portugal.

Santos, R. S. 2007. Nova Era na Investigação dos Sistemas Quimossintéticos do Mar Profundo. BIOPerspectivas. IX Jornadas de Biologia Aplicada. 25-27 de Outubro. Universidade do Minho, Braga, Portugal.

Santos, R. S. 2007. Challenges of conservation and sustainable use of deep-sea and high seas ecosystems. Life on the Blue Planet – Biodiversity Research and the new European Marine Policies. Portuguese EPBRS meeting. 6-9 November Porto, Portugal. (plenary)

Santos, R. S. & T. Morato 2007. Conservation and utilization of biodiversity on seamounts. 5th Trondheim Conference on Biodiversity Ecosystems and People - biodiversity for development - the road to 2010 and beyond. 28 October to 2 November, Trondheim, Norway. (plenary)

Santos, R. S. 2007. L' Atlantique et la Méditerrané. Colloque International Euro-Méditerranée: Construire ensemble les réponses scientifiques aux défis posés par la mer Méditerranée. 20-21 November, Toulon, France (opening speech).

Santos, R. S. 2007. CBD Expert's Workshop on ABNJ - De-briefing of meeting. European Nature Directors Meeting. 29-30 November. Calouste Gulbenkian Foundation. Lisboa. Portugal.

LIST OF TALKS IN 2008 (NOT COMPLETE)

Santos, R. S. & T. Morato 2008. The Ecology and Management of Seamounts. Coastal Futures 2008. Review and Future Trends. (Coastal Management for Sustainability). 22nd – 24th January, SOAS, London, UK. (invited plenary lecture)

Sirjacobs, D., F. Tempera, F. Cardigos, R. S. Santos, J.-M. Bouquegneau 2008. Underwater imagery, a measuring tool to extend the spatio-temporal understanding of benthic organisms dynamics: case study of a 2-year long monitoring of the macroalgae *Codium elisabethae* in the Azores (poster). Ocean Optics Conference, 6th – 10 October, Il Ciocco Hotel, Castelvecchio Pascoli, Italy. [<http://hdl.handle.net/2268/81347>]

LIST OF TALKS IN 2009 (NOT COMPLETE)

Santos R.S. et al. 2009. Scientific research and conservation of seamounts in the Azores and the North-East Atlantic region. Seamounts'09 Workshop Exploration, Biogeosciences and Fisheries. 19-21 March 2009 Scripps Institution of Oceanography, La Jolla, California.

Afonso P., Tempera F., Schmiing M., Fontes J. and Santos R.S. (2009). From seabed mapping to fish tracking: MPA design using multiple conservation features in the Azores. 2nd Symposium on progress of marine conservation in Europe, 2-6 November 2009, Stralsund, Germany.

Santos, R. S. & F. Tempera 2009. Azores Scientific Progress from June to November 2008. CoralFish Steering Committee Meeting, 13-15 January, Bergen, Norway.

Santos, R. S. 2009. Apresentação do livro “Psicologia Comunitária” de José Ornelas. 16 Janeiro 2009 Angra do Heroísmo (orador convidado)

Santos, R. S. 2009. Moderador da Sessão do Fórum “Equidade, Justiça Social e Pescas” dedicada a “Alterações Climática – Equidade e Justiça Social” (por Viriato Soromenho

Marques) e “Gestão dos Oceanos, Paz e Sustentabilidade” (por Carlos Sousa Reis). 23 de Janeiro, Centro do Mar, Horta, Portugal. (moderador convidado – invited moderator)

Santos, R. S. 2009. A Ciência em Portugal: a dimensão internacional. Conferência Parlamentar sobre Ciência. Comissão de Educação e Ciência. Assembleia da República. 3 de Março, Lisboa, Portugal (orador convidado – invited speaker)

LIST OF TALKS IN 2010 (Not COMPLETE)

Santos, RS & T Morato 2010. Exploration and Conservation of Seamounts: The Ecosystem Evaluation Framework. Deep-sea biodiversity science and governance beyond 2010: Meeting of the HERMIONE Science-Policy Panel. Brussels, April 27, 2010

Santos, RS & T Morato 2010. Indicators for the Conservation of Seamounts and Associated Biodiversity: The CBD Azores Scientific Criteria and the Ecosystem Evaluation Framework. GEF Transboundary Water Programme: Meeting of the Open Ocean Working Group of the Global Environment Facility. IOC-UNESCO Paris. 3 to 5 February 2010.

Santos, RS 2010. Seamounts and Cold Water Corals: Threaten Oases of the Deep-sea. Lisbon Academy of Sciences. 4 March 2010 [in Portuguese: Santos, R. S. 2010. Montes submarinos e recifes de corais frios: oásis ameaçados do mar profundo. Academia das Ciências de Lisboa, 4 de Março, Lisboa, Portugal (lição de tomada de posse como membro da ACL)].

Santos, RS et al. 2010. Seamounts: Oases of the Deep-sea. NRP Gago Coutinho, 6 of August 2010. (in Portuguese)

Santos, RS, T Morato, F Tempera 2010. Conservation and Utilization of Biodiversity in Seamounts. Conferences on the International Year of Biodiversity. Angra do Heroísmo, 14 May 2010. [in Portuguese Santos, R. S., T. Morato & F. Tempera 2010. Conservação e Utilização da Biodiversidade em Montes Submarinos. Seminário do Ano Internacional da Biodiversidade, 14 de Maio, Angra do Heroísmo, Portugal] (orador convidado – invited speaker).

Santos, RS 2010. Potencialidades e Recursos Naturais do Espaço Marítimo Português do Mar Profundo. IV Seminário de Secção: Gestão e Ordenamento das Actividades Litorâneas Potencialidades e Recursos do Espaço Marítimo Português, Academia de Marinha, 30 de Novembro, Lisboa, Portugal (orador convidado – invited speaker).

Santos, RS 2010. Hands on Hot Deep Seafloor - Advances in the Deep-sea Research in the Azores: Scenarios on Blue Biotechnology from Extremophyles. Conference The Atlantic: An Ocean of Opportunities, 28 of January, Brussels, Belgium (orador convidado – invited speaker).

Santos, RS 2010. Os Açores e a Fronteira do Mar Profundo. Seminário “Os Açores na Geopolítica do Atlântico” (Comemorações do 17º Aniversário do Comando Operacional dos Açores), 25-26 Janeiro, Ponta Delgada, Portugal (orador convidado – invited speaker).

Santos, RS 2010. Lucky Strike, Menez Gwen & Rainbow MPAs Rationale and Design. Workshop on Design of MPAs for Hydrothermal Vent and Cold Seep Ecosystem: Potentially Threatened by Human Activities in the Deep Sea. CRESCO, 1st to 4th of June, Dinard, France (orador convidado – invited speaker).

Santos, RS 2010. Prospecção e Exploração dos Fundos Marinhos: A Nova Fronteira. Conferência “*Jornal Expresso*” Portugal e o Mar, a nossa aposta no século XXI, Hotel ‘The Oitavos’, 21 de Outubro, Cascais, Portugal (orador convidado – invited speaker).

Santos, RS et al. 2010. A Ecologia do Mar. Conferência Políticas Públicas do Mar. Fundação Calouste Gulbenkian, 23 de Novembro, Lisboa, Portugal (orador convidado – invited speaker).

Santos, RS 2010. DOP - Universidade dos Açores: Onde as Ciências do Mar se Aprofundam. A Investigação Científica no Espaço Marítimo Português Cinquenta Anos do Instituto Hidrográfico. Academia de Marinha, 28 de Setembro, Lisboa, Portugal (orador convidado – invited speaker).

Santos, RS et al. 2010. An Overview of Seamounts Biodiversity: Azores in the Context of Conservation. 2nd International School Congress – Natural Resources, Sustainability and Humanity, Braga, 5-8 May, Braga, Portugal (orador convidado – invited speaker).

Santos, RS 2010. Deeper than Light: Touching the Bottom of the Ocean. 2nd International School Congress – Natural Resources, Sustainability and Humanity, Braga, 5-8 May, Braga, Portugal (orador convidado – invited speaker).

Santos, RS 2010. Os Campos Hidrotermais e a sua Biosfera. II Congresso dos Mares da Lusofonia - Comissão D. Carlos – 100 Anos -, Centro Cultural de Cascais, 21 – 22 de Outubro, Cascais, Portugal (orador convidado – invited speaker).

Santos, RS 2010. Entre Ambientes Extremos: das Poças de Maré ao Mar Profundo [*Between Extreme Environments: From Rocky Shore Pools to the Deep-sea*]. *Luso 2010*: 4º Encontro de Estudantes e Investigadores Portugueses do Reino Unido. Sessão Percursos. Universidade de Southampton, 19 de Setembro, Southampton. UK (orador convidado – invited speaker).

Santos, RS 2010. Uma Viagem de Recordação [*A Trip of Remembrance*]. Sessão Solene de Abertura do Ano Letivo do ISPA- Instituto Universitário. ISPA, 2 Novembro 2010, Lisboa, Portugal (orador convidado – invited speaker).

LIST OF TALKS IN 2011 (NOT COMPLETE)

Santos, RS 2011. Mar - Oceano [*Sea - Ocean*]. Instituto de Estudos Académicos para Seniores. Academia das Ciências de Lisboa, 14 de Março de 2011 – Lisboa (orador convidado e co-organizador do tema sobre o mar – invited speaker and co-organizer of the thematic on the sea).

Santos, RS & DOP team on cold-water corals 2011. Surrounded by High-Seas: Cold Water Corals and Line Fisheries in the Azores. The international expert meeting: “*Understanding deep-water biodiversity in the South Atlantic: options for conservation and sustainable use of resources in the high-seas*”. UNESCO, 7/8 April. Paris, France (orador convidado – invited speaker).

Santos, RS 2011. Discurso de abertura/ Openning speech. *Conhecer o Mar dos Açores: Fórum Científico de Apoio à Decisão*. 19-20 Janeiro 2011, Horta (Açores) Portugal (orador convidado – invited speaker).

Santos, RS 2011. Azores and the Deep-Sea: Challenges for the Last Frontier. FLAD Oceans Workshop II: “Integrated Governance for the Oceans: From Conservation to Human Well-Being”. Centro do Mar, 1-3 December, Horta (Azores) Portugal (orador convidado – invited speaker).

Santos, RS 2011. The Prince deep-sea Garden. HERMIONE 3rd Annual Meeting. 11 – 15 April 2011, Estepona, Malaga, Spain. (orador convidado – invited speaker – key note speaker)

Santos, RS 2011. Deeper than the Blue. TEDx O’Porto [*Ideas worth spreading*]. 21 March, Porto, Portugal (orador convidado – invited speaker).

[<http://tedxtalks.ted.com/video/TEDxOPorto-Ricardo-Serro-Santos>]

Santos, RS 2011. Hydrothermal Vent Fields and their Biosphere. Conferência Fórum do Mar. EXPONOR – 17 de Junho 2011 Matosinhos, Portugal. (orador convidado – invited speaker).

Resumo em Português - I

Ricardo Serrão Santos, Doutor em Biologia e Ecologia Animal, é Investigador Principal na Universidade dos Açores, Director do Departamento de Oceanografia e Pescas, Pró-Reitor da Universidade dos Açores e Presidente do IMAR- Instituto do Mar. RSS tem-se dedicado ao estudo da biodiversidade marinha e dos ecossistemas oceânicos. Tem mais de 300 trabalhos publicados, dos quais cerca de 130 artigos científicos incluídos no sistema da *Web of Knowledge*. É co-editor do livro “*Seamounts: Ecology, Fisheries and Conservation*” publicado pela Blackwell em 2007 e co-autor do “Centro de Interpretação Marinha Virtual (CIMV)”, que, além da sua base permanente, foi também editado em DVD em 2007 e re-editado em 2008. RSS tem supervisionado vários estudantes de doutoramento (10 concluídos) e investigadores de Pós-Doutoramento. Participa em numerosos e conferências, quer como participante, palestrante convidado, organizador e/ou *chair*. Em Outubro 2007 foi *chair* do “*Expert Workshop on Ecological Criteria and Biogeographic Classification Systems for Marine Areas in Need of Protection*” organizado no âmbito da CBD (*Convention of Biological Diversity*). Os resultados deste encontro oficial da CBD foram adoptados na reunião da COP9 em Maio 2008 como “critérios Açores”.

Os interesses actuais de Ricardo Serrão Santos incluem a conservação dos habitats e da biodiversidade marinhos dos ecossistemas de litoral e mar profundo da região dos Açores, implementação de Áreas Marinhas Protegidas e avaliação dos seus benefícios. RSS coordenou a investigação e as propostas de gestão para a rede Natura 2000 nos Açores e para os campos hidrotermais do mar profundo Lucky Strike, Menez Gwen, Rainbow e do monte submarino Sedlo, os quais foram propostos por Portugal para integrarem a Rede de Áreas Marinhas Protegidas da OSPAR. Em 2002 foi-lhe atribuído pela WWF o galardão “*Gift to the Earth*”; em 2007 RSS foi nomeado “**Embaixador Marítimo**” pela Comissão Europeia; em 2007 foi incluído da página Web do ISPA como “**diplomado de referência**” daquele instituto; em 2008 foi convidado pelo Ministro da Defesa e Assuntos do Mar como “**personalidade de reconhecido mérito**” e nomeado para a direcção do “Fórum Permanente dos Assuntos do Mar”; em 2008 recebeu o **Prémio Rotary Internacional 2007-2008** no domínio do Ensino; em 2008 foi eleito **Membro Correspondente da Academia de Marinha** tendo passado a **Membro Efectivo** eleito em 2009; em 2009 foi-lhe atribuído, pelo “Ciência Hoje”, o prémio “**Seeds of Science**” na categoria de “Ciências da Terra, do Mar e da Atmosfera”; em 2009 foi eleito **Membro Correspondente da Academia das Ciências de Lisboa**, classe de Ciências, secção de Ciências Biológicas; em 2009 recebeu a **Medalha Dourada de Mérito** outorgada pela Câmara Municipal da Horta.

Resumo em Português - II

Ricardo Serrão Santos, Doutor em Biologia e Ecologia Animal, é Investigador Principal na Universidade dos Açores, Diretor do Departamento de Oceanografia e Pescas, Pró-Reitor da Universidade dos Açores e Presidente do IMAR- Instituto do Mar. RSS tem-se dedicado ao estudo da biodiversidade marinha e dos ecossistemas oceânicos. Tem mais de 300 trabalhos publicados, dos quais cerca de 130 artigos científicos incluídos no sistema da ISI-*Web of Knowledge*. É co-editor e co-autor do livro “*Seamounts: Ecology, Fisheries and Conservation*” publicado pela Blackwell em 2007 e co-autor do “Centro de Interpretação Marinha Virtual (CIMV)”, que, além da sua base permanente, foi também publicado em DVD em 2007 e re-editado em 2008. RSS tem supervisionado vários estudantes de doutoramento (12 concluídos) e investigadores de Pós-Doutoramento. Colabora em numerosas conferências, quer como participante, palestrante convidado, organizador e/ou chair. Em Outubro 2007 foi chair do “*Expert Workshop on Ecological Criteria and Biogeographic Classification Systems for Marine Areas in Need of Protection*” organizado no âmbito da CBD (*Convention of Biological Diversity*). Os resultados deste encontro oficial da CBD foram adoptados na reunião da COP9 em Maio 2008 como “critérios Açores”.

RSS Integra e coordena numerosos projetos de investigação nacionais e internacionais no âmbito da Biodiversidade Marinha, entre os quais se destaca a participação nos comités coordenadores da Rede de Excelência da União Europeia em Biodiversidade e Funcionamento de Ecossistemas (MARBEF) e de dois programas da iniciativa internacional *Census of Marine Life*. Tem larga experiência em cruzeiros científicos oceânicos (R/Vs: Atalante, Akademik Mstislav Keldish, Arquipélago, Noruega, G.O. Sars, Gago Coutinho), incluindo a utilização de submersíveis de investigação (Nautile, MIR, Victor 6000, Aglantha 2000, Bathysaurus 5000, Luso 6000).

Os interesses atuais de Ricardo Serrão Santos incluem a conservação dos habitats e da biodiversidade marinhos dos ecossistemas de litoral e mar profundo da região dos Açores, implementação de Áreas Marinhas Protegidas e avaliação dos seus benefícios. RSS coordenou a investigação e as propostas de gestão para a rede Natura 2000 nos Açores e para os campos hidrotermais do mar profundo Lucky Strike, Menez Gwen, Rainbow e do monte submarino Sedlo, os quais foram propostos por Portugal para integrarem a Rede de Áreas Marinhas Protegidas da OSPAR.

RSS é membro do Conselho Científico das Ciências Naturais e do Ambiente (FCT-MCTES), coordena o Painel de Ciências do Mar da FCT/MCTES, é co-delegado nacional no *Marine Board* da European Science Foundation, é co-representante do MCTES no Conselho Intergovernamental para os Assuntos do Mar (CIAM), convidado em 2008 como “personalidade de reconhecido mérito” e nomeado para a direção do “Fórum Permanente dos Assuntos do Mar”, e foi recentemente (Outubro de 2010) convidado para integrar o conselho científico do Instituto Oceanográfico de Paris.

Prémios e Reconhecimentos:

- ✓ ***Gift to the Earth*** galardão atribuído pelo World Wildlife Fund (WWF), Junho 2002.
- ✓ ***Maritime Ambassador*** (Embaixador Marítimo) nomeação honorífica atribuída em Julho de 2007 pelo Comissário Europeu Joe Borg.
- ✓ ***Prémio Rotary International 2007/2008*** na categoria de ensino.
- ✓ ***Prémio “Seeds of Science”***, na categoria de “Ciências da Terra, do Mar e da Atmosfera” atribuído pelo “Ciência Hoje”, 2009 (Portugal).
- ✓ “***Medalha Dourada de Mérito***” outorgada pela Câmara Municipal da Horta.

Membro Eleito das seguintes Academias:

- ✓ ***Membro Efetivo da Academia de Marinha*** (Lisboa) desde 2008.
- ✓ ***Membro Correspondente da Academia das Ciéncias de Lisboa*** [classe de Ciéncias, secção de Ciéncias Biológicas], proposto e eleito em 2009.

Perfil e Resumo Alargado em Português

Ricardo da Piedade Abreu Serrão Santos (RSS) nasceu em Portalegre a 11 de Outubro de 1954. É casado com uma açoriana da ilha de S. Miguel (Maria João Viveiros), tem dois filhos e vive na Horta (Faial) há vários anos.

RSS Estudou Psicologia e Ecologia Comportamental no Instituto Superior de Psicologia Aplicada (ISPA) em Lisboa e doutorou-se em Biologia na Faculdade de Ciências da Universidade de Liverpool no Reino Unido em 1992. É Investigador Principal e Director do Departamento de Oceanografia e Pescas da Universidade dos Açores desde 1997. É o actual o Presidente do IMAR - Instituto do Mar e membro do Conselho Co-ordenador de um Laboratório Associado (Instituto de Sistemas e Robótica). Em 2003 foi nomeado Pró-Reitor da Universidade dos Açores, cargo que mantém até à data.

Tem desenvolvido actividade docente desde que terminou a licenciatura, com especial incidência no ensino da etologia, ecologia comportamental, biodiversidade e conservação do ambiente marinho, e em particular no âmbito de pós-graduações, estando envolvido na orientação/supervisão de cerca 17 teses de doutoramento (10 concluídas) e 18 programas de pós-doutoramento, para além de diversos mestrados.

Os seus trabalhos de investigação iniciais foram desenvolvidos no âmbito de estudos dos comportamentos de reprodução e acasalamento em peixes territoriais. Nesse contexto fez descobertas inovadoras sobre estratégias alternativas de acasalamento e cuidados parentais utilizando como modelo peixes marinhos. Os resultados desta investigação têm vindo a ser publicados em revistas científicas internacionais e cobrem domínios que vão desde a ecologia comportamental e etologia até ao estudo da genética das tácticas alternativas de acasalamento dos peixes, dos seus determinantes neuro-fisiológicos e endocrinológicos e das consequências em termos de imuno-competência.

Mas desde há já alguns anos que se dedicada fundamentalmente ao estudo e ensino de pós-graduação sobre da biodiversidade e conservação do ambiente marinho, tendo em 1995 publicado um artigo de síntese sobre a investigação e conservação do ambiente marinho nos Açores na revista científica *Aquatic Conservation*, que actualmente constitui uma referência incontornável e influenciou a estratégia de conservação do ambiente marinho na região dos Açores.

Ricardo Serrão Santos é autor e/ou co-autor de mais de 300 trabalhos publicados, dos quais cerca de 130 artigos científicos incluídos no sistema da *Web of Knowledge*, incluindo capítulos de livros, livros e CDs/DVDs, donde se destacam a co-edição/co-autoria do livro “Seamounts: Ecology, Fisheries and Conservation” publicado pela Blackwell Publishing (Oxford, UK; Iowa, USA; Victoria, Australia [ISBN: 978-1-4051-3343-2]) e a co-autoria do “Virtual Centre of Marine Interpretation (CIMV) [ISBN 978-972-8612-33-7]”, o qual, para além da base na Horta, foi editado em DVD em 2006 e reeditado (2^a edição) como DVD duplo em quatro línguas em 2008.

Integra e coordena numerosos projectos de investigação nacionais e internacionais, entre os quais se destaca a participação nos comités coordenadores da Rede de Excelência da União Europeia em Biodiversidade e Funcionamento de Ecossistemas (MARBEF) e de dois programas da iniciativa internacional *Census of Marine Life*. Tem larga experiência em cruzeiros científicos oceânicos (R/Vs: Atalante, Akademic Myslav Keldish, Arquipélago, Noruega, G.O. Sars, Gago Coutinho), incluindo a utilização de submersíveis de investigação (Nautile, MIR, Victor 6000, Aglantha 2000, Bathysaurus 5000, Luso 6000).

É membro dos conselhos de editores das revistas científicas *Acta Ethologica* (Springer Verlag) e *TheScientificWorld* (www.thescientificworld.com), *Journal of Marine Biology* e *Marine Biodiversity* e revisor (*referee*) de diversas revistas científicas internacionais. Tem sido convidado regularmente para painéis de avaliação de entidades governamentais de financiamento científico do Reino Unido (NERC), EUA (NSF), França (IFREMER), Bélgica, Holanda, Itália e Noruega. É convidado anualmente para participar em dezenas de conferências científicas e de coordenação de actividades científicas.

Ricardo Serrão Santos é/foi delegado nacional para o Comité de Infra-estruturas de Investigação da Comissão Europeia, Membro do Fórum Estratégico Europeu para as Infra-estruturas de Investigação (ESFRI), coordenador do Grupo de Trabalho de Monitorização e Observatórios do InterRidge. Entre outras comissões e conselhos nacionais, pertence ao Conselho Científico das Ciências do Mar e do Ambiente do MCTES e é o coordenador nacional para a Cooperação Científica entre Portugal e a França em Ciências do Mar (MCTES/FCT). Participou também na Comissão Estratégica dos Oceanos

Em 2002 foi homenageado com um *Gift to the Earth* pela *World Wildlife Fund* (WWF - Internacional), pelas suas contribuições para o estudo e conservação dos ecossistemas hidrotermais de profundidade. Em 2007 foi incluído na página Web do ISPA como “**diplomado de referência**” daquele instituto; Em 2007 foi convidado pelo Comissário Europeu Joe Borg para **Embaixador Marítimo** para a Estratégia Marítima Europeia. Em 2008 foi uma das duas personalidades de elevado mérito nomeadas pelo Ministro da Defesa e Assuntos do Mar para integrar a direcção do “Fórum Permanente para os Assuntos do Mar”. Também em 2008 recebeu o **Prémio Rotary 2007-2008** na área da educação e ensino. Em 2008 foi eleito **Membro Correspondente da Academia de Marinha** tendo passado a **Membro Efectivo** eleito em 2009. Em 2009 é-lhe atribuído, pelo jornal “Ciência Hoje”, o **Prémio “Seeds of Science”** na categoria de “Ciências da Terra, do Mar e da Atmosfera”; em 2009 foi eleito **Membro Correspondente da Academia das Ciências de Lisboa**, classe de Ciências, secção de Ciências Biológicas.

Escreveu diversos textos de divulgação científica e educação ambiental incluindo programas de televisão sobre a vida marinha (e.g. “Para Além do Sol Nascente” em 1986, “Ilhas Vivas” em 1990 - 6 episódios). Coordenou os conteúdos do Pavilhão dos Açores na Expo 98. O seu perfil foi traçado no número inaugural da revista *National Geographic-Portugal* (nº 1: Fevereiro 2000), para cujo Conselho Científico foi convidado. Em 2004 foi considerado, pelo semanário Expresso, uma das oito personalidades que têm projectado Portugal como nação oceânica da Europa. Em 2006 a revista *National Geographic-Portugal* traçou o seu perfil, na Secção Vozes num artigo intitulado “*O Senhor Oceanos*” e a revista Visão destacou-o no mesmo ano entre as 10 personalidades referidas pela “*Paixão do Mar*”. Em 2008 a revista *Jornal de Letras Artes e Ideias* (JL) convidou-o a escrever uma autobiografia, publicada em Junho do mesmo ano.

Ricardo Serrão Santos tem participado ao longo dos anos em diversos cruzeiros científicos donde se destacam os que envolveram os submersíveis de investigação *Nautile* da França, e os *MIR* da Rússia, com mergulhos a 2000 metros de profundidade. Em 2005 foi convidado pelo realizador James Cameron para se associar à equipa que filmou os ecossistemas hidrotermais de profundidade para o filme/documentário “*Aliens of the Deep*”.

Em 2005 e 2006 participou, a convite da “*Deep-Sea Conservation Coalition*”, numa *Science Tour* por diversas capitais Europeias [Helsínquia (Finlândia), Londres (RU) Copenhaga (Dinamarca), Bruxelas (Bélgica) e Lisboa (Portugal)] proferindo palestras relacionadas com a conservação do mar profundo.

Os interesses actuais em investigação e ensino envolvem a conservação dos habitats e biodiversidade em ecossistemas litorais e do mar profundo na região dos Açores e Dorsal Média Atlântica, a implementação de Áreas Marinhas Protegidas e avaliação dos seus benefícios, mas também a investigação experimental com organismos do oceano profundo em condições controladas no LabHorta. Com a sua actividade nesta área, e no âmbito dos projectos que coordena e em que participa, contribuiu para que a Universidade dos Açores tenha atingido a 9^a posição a nível mundial na investigação em “ecossistemas hidrotermais” (estatísticas do *Web of Knowledge*: www.isiknowledge.com para o quinquénio 2006-2010), e Portugal o 8º lugar.

RSS co-ordenou a investigação conducente aos planos de gestão para a Rede Natura 2000 nos Açores. Actualmente coordena diversos projectos de investigação e programas de pós-graduação (doutoramento e pós-doutoramento) que envolvem estudos de telemetria acústica e de satélite em peixes, aves e cetáceos no âmbito do estudo dos benefícios das áreas marinhas protegidas e gestão espacial.

RSS está associado a uma equipa de jovens doutorandos e pós-doutorados muito motivada e competente que mantém uma visão moderna e actualizada da investigação multidisciplinar e que cultiva a cooperação nacional e internacional.