

PERSONAL INFORMATION



Francisco Luís Wallenstein Faria e Maia de Macedo

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WORK EXPERIENCE

16/02/2017–Present

Member of Administration Board

Azores Mission Structure for Space | Regional Secretariat for the Sea, Science and Technology | Azores Regional Government, Ponta Delgada (Portugal)

- **Copernicus Relay** affairs
- NEREUS affairs (**Network of Regions Using Space Technologies**)
- RAEGE affairs (**Atlantic Network of Geodynamical and Space Stations**)
- AIR Center affairs (**Atlantic International Research Centre**)

04/11/2016–Present

Technical Advisor

Regional Secretariat for the Sea, Science and Technology | Azores Regional Government, Ponta Delgada (Portugal)

Assist the Secretary and his Cabinet in Sea&Space science related affairs

02/05/2012–15/02/2017

Project Officer

Secretariat for the Sea, Science and Technology | Azores Regional Government

Science & Technology Department / Regional Fund for Science and Technology (since December 2013)

Fisheries Department (May 2012 to November 2013)

2010–2012

Research Assistant

CIRN - Natural Resource Research Centre, Ponta Delgada (Portugal)

Area of scientific activity

Coastal ecosystem characterization; benthic community distribution modelling and forecast; definition and evaluation of methodologies; experimental design; coastal management oriented definition and implementation of methodologies for benthic community characterization; coastal community distribution modelling and forecast for comparison with legally protected areas; marine macroalgae biology and ecology; marine biology and littoral resource management; macaronesian ecosystems; macroalgae as ecological quality indicators; ecotoxicology applied to macroalgae in polluted contexts; economic valuation of biodiversity services.

01/01/2007–29/04/2011

PhD Grant Student

Heriot-Watt University | Azores University, Lisbon (Portugal)

Project "Rocky shore macroalgae communities of the Azores (Portugal) and the British Isles: a comparison for the development of ecological quality assessment tools (SFRH/BD/27466/2006)", funded by Fundação para a Ciência e Tecnologia, Lisbon.

01/08/2003–31/07/2006

Research Assitant

Azores University

Project "Biotope - Classification, Mapping and Modelling of Azores Littoral Biotopes (POCTI MGS/54319/2002)", funded by Fundação para a Ciência e Tecnologia, Lisbon.

01/01/2003–31/12/2003 **Technical advisor (Biology/Ecology)**
 João Vigia - Whale Watching (São Miguel, Azores)

01/06/1995–31/08/1996 **Administration Assistant**
 Richard Ellis, Lda. - Real Estate Consultants

EDUCATION AND TRAINING

30/09/1989–30/07/1994 **Degree in Economics**
 Universidade Nova de Lisboa - Faculdade de Economia, Lisboa (Portugal)

30/09/1996 **Degree in Biology**
 Universidade dos Açores, Ponta Delgada (Portugal)

01/01/2007–29/04/2011 **PhD in Marine Biology**
 Heriot-Watt University, Edinburgh (United Kingdom)

PERSONAL SKILLS

Mother tongue(s) Portuguese

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	C1	C2	B2	B2	C1
French	B1	C1	B1	B1	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Organisational / managerial skills

Event Organization

2017 - Copernicus Training and Information Session, Laboratório Regional de Engenharia Civil, Ponta Delgada, 9 June.

2015 – Workshop "The use of sentinel data for supporting land and marine spatial planning and management – specificities of small oceanic islands", NEREUS-ESA initiative, Laboratório Regional de Engenharia Civil, Ponta Delgada, 28 September.

– “22nd European VLBI for Geodesy and Astrometry (EVGA) Working Meeting”, Teatro Micaelense, Ponta Delgada, 17-21 May 2015.

2014 – “Azores □ Potencial for Space Technology”, Laboratório Regional de Engenharia Civil, Ponta Delgada, 27 October 2014.

- “A política Científica nos Açores 2014-2020: Desafios e Oportunidades para o Sistema Científico Regional”, Academia de Juventude e das Artes da Ilha Terceira, Praia da Vitória, 13-14 June 2014.

2013 – "Ciência nos Açores, que Futuro?", Biblioteca Pública e Arquivo Regional de P. Delgada Ponta Delgada, 7-8 June 2013.

2011 – Workshop "MaRes - Redes Energéticas do Futuro - Desafios para a Macaronésia", Hotel Royal Garden, Ponta Delgada, 12-13 December.

2007/2008 - "43th European Marine Biology Symposium", Universidade dos Açores, Ponta Delgada,

8-12 September 2008.

2008 - Workshop “Volcanic environments and their impact on biological organisms”, Universidade dos Açores, Ponta Delgada, May 31- June 2.

2006 - Workshop “Macrophytobenthos Surveys – Methods and Applications/Results and conclusions of the project POCTI/MGS/45319/2002 - *Classificação, mapeamento e modelação de biótopos litorais dos Açores*”, Universidade dos Açores, Ponta Delgada, 8-12 May.

1998/1999 - "34th European Marine Biology Symposium", Universidade dos Açores, Ponta Delgada, 13-17 September 1999.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Independent user	Independent user

Digital skills - Self-assessment grid

Familiar with Microsoft Windows 8 environment
 Excellent knowledge of Microsoft Office 2013 (Word, Excel, PowerPoint, Outlook, Access)
 Geographic Information Systems - basic knowledge of ArcGIS Desktop
 Data analysis – Primer-E; GMav; SPSS

Other skills CMAS diver license (P2; since 1997)

Driving licence B

ADDITIONAL INFORMATION

- Courses**
- Access Data Bases and Files**, by Centro de Formação da Administração Pública dos Açores – CEFAPA (June 23-26 – 25h; 2015)
 - European Project Organization and Management (Intensive Course)**, by Dr. Fabio Casini (Università di Bologna), Universidade dos Açores (December 18-20 – 18h; 2015)
 - ArcGIS Desktop I**, by ESRI Cybermap (May 9-10 – 14h; 2013)
 - ArcGIS Desktop II**, by ESRI Cybermap (May 13-15 – 21h; 2013)
 - ArcGIS Desktop III**, by ESRI Cybermap (May 16-17 – 14h; 2013)
 - ArcGIS Desktop 3D Analyst**, by ESRI Cybermap (June 13-14 – 14h; 2013)
 - ArcGIS Desktop Spatial Analyst**, by ESRI Cybermap (June 17-18 – 14h; 2013)
 - Monographic course on atomic absorption**, by J-L. Capelo-Martínez (DQ-FCT, Universidade Nova de Lisboa; 2008).
 - Advanced course on design and analysis of ecological experiments**, by A.J. Underwood e G. Chapman (Universidade dos Açores; 2004).
 - Analysis of Multivariate Data from Ecology & Environmental Science, using PRIMER**, by K. R. Clarke (Universidade dos Açores; 2004).
 - Design and analysis of ecological experiments**, by A.J. Underwood e G. Chapman (Universidade do Algarve; 2003).
 - Teaching Skills** EU homologated course (nº EDF 3609/2003; since 2002).

- Projects**
- MARINE-EO** Bridging Innovative Downstream Earth Observation and Copernicus enabled Services for Integrated maritime environment, surveillance and security. Horizon 2020 Pre Commercial Procurement Action – Proposal set up and Project Officer (2017).
 - GEOTHERMICA** ERA NET Cofund Geothermal. Horizon 2020 ERA-NET Cofund Action – Proposal set up and Project Officer (2017).

COPERNICUS USER UPTAKE *Engaging with public authorities, the private sector and civil society. Framework contract with European Commission DG GROWTH via NEREUS – Project Officer (2015-2016).*

BEST III (http://ec.europa.eu/environment/nature/biodiversity/best/index_en.htm) *Measures towards Sustaining the BEST preparatory Action to promote the Conservation and Sustainable Use of Biodiversity and Ecosystem services in EU Outermost Regions and Overseas Countries and Territories. Tender Contract with European Commission DG ENV via IUCN – Scientific Coordinator of Macaronesian Hub (2013 – 2017).*

NetBiome-CSA (<http://www.netbiomecsa.netbiome.eu/np4/home.html>) *"Strengthening European research cooperation for smart and sustainable management of tropical and subtropical biodiversity in outermost regions and overseas countries and territories" – Representative of the Fisheries Department (Regional Government of the Azores; 2012 – 2013).*

GEPETO - *Sharing knowledge for sustainable fisheries* (<http://gepetoproject.eu/>) - Project Officer (2013).

MaRes - *Macaronesia Research Strategy* (<http://maresmacaronesia.eu/es/>) - Project Officer (2011).

PICOBEL – *Benthic Communities of Pico Island: Characterization and Monitoring. Funded by the Regional Environmental Agency of Azores – Research Assistant (Jul. 2007 – Jul. 2008).*

PADEL – *Natural Heritage and Sustainable Development of Azores Archipelago's Littoral: Graciosa Island as a Case Study. Funded by the Regional Environmental Agency of Azores – Research Assistant (Jul. 2006 – Jul. 2007).*

PARQMAR – *Protected Areas of Macaronesia: Characterization, Planning and Management – The Marine Eco-Park of Funchal (Madeira), Gran Canaria and Tenerife (Canary Islands) and Santa Maria (Azores). Funded by the INTERREG IIIB Programme – Research Assistant (Jul. 2005 – Jul. 2007).*

BIOTOPE - *Classification, Mapping and Modelling of Azores Littoral Biotopes (POCTI MGS/54319/2002), Funded by the Portuguese National Science and Technology Foundation – Research Assistant (Aug. 2003 – Jul. 2006).*

Publications

Theses

Wallenstein F. M. (2011). "Rocky shore macroalgae communities of the Azores (Portugal) and the British Isles: a comparison for the development of ecological quality assessment tools". Heriot-Watt University, Edinburgh. 444 pp.

Macedo FLWFM (2002). "Biótopos do Intertidal rochoso da ilha de São Miguel, Açores". Relatório de estágio para conclusão da Licenciatura em Biologia – Ramo de Biologia Marinha, Universidade dos Açores, Ponta Delgada. iv + 68 pp.

Books

Wallenstein FM, Neto AI, Álvaro NV, Tittley I, Azevedo JMN (2010). Coastal biotope definition manual for oceanic islands [Guia para definição de biótopos costeiros em ilhas oceânicas]. Secretaria Regional do Ambiente e do Mar, Horta.

Neto AI, **Wallenstein FM**, Álvaro NV, Azevedo JMN, Tittley I (2009). Guias costeiros dos Açores / *Azores Coastal Guides: Santa Maria – Zona Entre Marés / Intertidal*. Secretaria Regional do Ambiente e do Mar & Câmara Municipal de Vila do Porto, Ponta Delgada, Portugal.

Neto AI, **Wallenstein FM**, Álvaro NV, Azevedo JMN, Tittley I (2009). Guias costeiros dos Açores / *Azores Coastal Guides: Santa Maria – Zona Submersa / Subtidal Zone*. Secretaria Regional do Ambiente e do Mar & Câmara Municipal de Vila do Porto, Ponta Delgada, Portugal.

Neto AI, **Wallenstein FM**, Álvaro NV, Azevedo JMN, Tittley I (2009). Guias costeiros dos Açores / *Azores Coastal Guides: Santa Maria – Poças de Maré / Tide Pools*. Secretaria Regional do Ambiente e do Mar & Câmara Municipal de Vila do Porto, Ponta Delgada, Portugal.

Neto AI, Azevedo JMN, **Wallenstein FM**, Álvaro NV (2009). Guias costeiros dos Açores / *Azores Coastal Guides: Graciosa – Zona Entre Marés / Intertidal*. Secretaria Regional do Ambiente e do Mar & Câmara Municipal de Santa Cruz da Graciosa, Ponta Delgada, Portugal.

Papers in scientific periodicals with referees

Sangil C, Martins GM, Hernández JC, Alves F, Neto AI, Ribeiro C, León-Cisneros K, Canning-Clode J, Rosas-Alquicira E, Mendoza JC, Tittley I, **Wallenstein F**, Couto RP, Kaufmann M (2018). Shallow subtidal macroalgae in the North-eastern Atlantic archipelagos (Macaronesian region): a spatial

approach to community structure. *European Journal of Phycology* (DOI: 10.1080/09670262.2017.1385098)

Wallenstein FM, Neto AI, Patarra RF, Prestes AL, Álvaro NV, Rodrigues AS, Wilkinson M (2013). An index based on seaweed communities to monitor coastal ecological quality in Macaronesia. *Journal of Integrated Coastal Zone Management* 13(1):15-25. (DOI 10.5894/rgci365).

Wallenstein FM, Couto, R. P., Torrão, D. F., Neto AI, Rodrigues AS, Wilkinson M (2012). Intertidal rocky shore seaweed communities subject to the influence of shallow water hydrothermal activity in São Miguel (Azores, Portugal). *Helgoland Marine Research*, 67(3): 535-543 (DOI 10.1007/s10152-012-0341-0).

Wallenstein FM, Peres SD, Xavier ED, Neto AI (2010). Phytobenthic communities of intertidal rock pools in the eastern islands of Azores and their relation to position on shore and pool morphology. *Arquipélago. Life and Marine Sciences* 27: 9-20.

Wallenstein FM, Terra MR, Pombo J, Neto AI (2009). Macroalgal turfs in the Azores. *Marine Ecology*, 30 (Suppl. 1): 113-117.

Wallenstein FM, Torrão DF, Neto AI, Wilkinson M, Rodrigues A (2009). Effect of exposure time on the bioaccumulation of Cd, Mg, Mn and Zn in *Cystoseira abies-marina* samples subject to shallow water hydrothermal activity in São Miguel (Azores). *Marine Ecology*, 30 (Suppl. 1): 118-122.

Martins GM, Amaral AF, **Wallenstein FM**, Neto AI (2009). Influence of a breakwater in structuring rocky intertidal benthic assemblages. *Marine Environmental Research*, 67: 237-245.

Wallenstein FM, Couto RP, Amaral AS, Wilkinson M, Neto AI, Rodrigues AS (2009). Baseline metal concentrations in marine algae from São Miguel (Azores) under different ecological conditions – urban proximity and shallow water hydrothermal activity. *Marine Pollution Bulletin*, 58: 438-443.

Álvaro NV, **Wallenstein FM**, Neto AI, Ferreira J, Nogueira EM, Santos CI, Amaral AF (2008). The use of digital photography for benthic coastal community characterization and quantification. *Hydrobiologia*, 596: 143-152.

Cunha L, Amaral A, Medeiros V, Martins G, **Wallenstein FM**, Couto R, Neto A, Rodrigues A (2008). Bioavailable metals and cellular effects in the digestive gland of marine limpets living close to shallow water hydrothermal vents. *Chemosphere*, 71: 1356-1362.

Wallenstein FM, Neto AI, Álvaro NV, Santos CI (2008). Algae based biotopes of the Azores (Portugal): spatial and seasonal variation. *Aquatic Ecology*, 42(4): 547-559.

Wallenstein FM, Neto AI, Álvaro NV, Tittley I (2008). Subtidal Rocky Shore Communities of the Azores: Developing a Biotope Survey Method. *Journal of Coastal Research*, 24(1A): 244-249.

Wallenstein FM, Neto AI (2006). Intertidal rocky shore biotopes of the Azores: a quantitative approach. *Helgoland Marine Research*, 60: 196-206.

Martins GM, **Wallenstein FM**, Álvaro NV, Neto AI, Costa AC (2005). Minimal sampling area for selected marine macro-invertebrates in São Miguel, Azores. *Helgoland Marine Research*, 59:219-223.