

PERSONAL INFORMATION



Marc Fernández Morron

 Rua do Pico de Fogo de Cima n.22, 9500-606 Livramento-Ponta Delgada (Portugal)

 00351918338237

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Sex Male | Date of birth 25/06/1981 | Nationality Spanish

POSITION

Phd Student

WORK EXPERIENCE

Oct 2007–Nov 2012

Research Assistant

University of Azores/CIRN

Rua Mae de Deus s/n, 9501-855 Ponta Delgada (Portugal)

Research Assistant on MONICET Project (M5.2.2/I/005/2008).

Developed and implemented new standardized methodologies for data collecting from Whale Watching operations.

Analysis of the data using GIS and modelling packages.

Assisted and supervised the informatics on the SQL database creation for MONICET.

Organized and assisted International on-line Workshops (w/ Dr. Jonathan Gordon, Dr. Peter Evans, Dr. Natacha Aguilar, Dr. Carole Carlson) of methodologies validation.

Realized several educational talks about cetaceans and the oceans in local schools and high schools.

Business or sector Professional, scientific and technical activities

Jun 2007–Sep 2007

Cetacean Spotter

Picos de Aventura

Av. João B. Mota Amaral, 9500-150 Ponta Delgada (Portugal)

Look for Dolphins and Whales from a high point in the coast, and communicate with radio the position to the boats of Whale and Dolphin Watching.

Business or sector Touristic Entertainment

Feb 2007–May 2007

On-site Marine Researcher

VidaMarina Foundation, Drake Bay (Costa Rica)

Collected sea data and processed later.

Organized and filtered the database.

Exposed the scientific results to the community in order to promote a marine protected area

Business or sector Conservation

Aug 2006–Oct 2006

Scuba Dive Instructor

Gymsub Aiguablava Dive Center

Road Begur-Aiguablava km 3.6, 17255 Begur (Spain)

Teach teorical and practical lessons of Diving.

Business or sector Tourism

- May 2006–Jul 2006 **UNICEF Fundraiser**
 JHD Marketing Barcelona, Barcelona (Spain)
 Fundraise funds door to door for UNICEF.
Business or sector Marketing
- Jun 2005–Sep 2005 **Guide and Skipper**
 Picos de Aventura Lda.
 Av. João B. Mota Amaral, 9500-150 Ponta Delgada (Portugal)
 Skipper and guide of Whale Watching Tours
Business or sector Touristic Entertainment

EDUCATION AND TRAINING

- Nov 2012–Present **Phd Candidate**
 Universidade dos Açores/Department of Biology - 3CBIO, Ponta Delgada (Portugal)
 Phd student at the University of Azores on cetacean distribution modeling.
 Research project M3.1.2/F/028/2011 - "Habitat Suitability of Oceanic Cetaceans: Comparing Presence-only and Presence/Absence Modelling"
 Collect and analyze opportunistic and non-opportunistic data.
 Keep and expand MONICET database.
 Analyze and evaluate the nature of different datasets.
 Analyse and evaluate the different modeling techniques to be applied.
- 11 Jul 2010–16 Jul 2010 **Summer Course Geo-Ecological Data Analysis**
 Amsterdam Graduate School of Sciences
 Kloveniersburgwal 48, 1012 CX Amsterdam (Netherlands)
 Database Management and analysis, Models evaluation, models use in different cases and interpretation of results
- Sep 1999–Sep 2006 **Degree on Marine Sciences** ISCED 5
 University of las Palmas de Gran Canaria
 Juan de Quesada Street n.30, 35001 Las Palmas de Gran Canaria (Spain)
 Relevant modules included: Biological Oceanography, Bio-regional Oceanography, Physical Oceanography, Models in Physical Oceanography, Live Resources, Fisheries dynamics, Climate change and biological processes.

PERSONAL SKILLS

Mother tongue(s) Catalan, Spanish

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Portuguese	C2	C2	C2	C2	C2
English	C1	C1	C1	C1	C1
French	B2	B2	B2	B2	A2
Italian	A2	A2	A2	A2	A1

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

Communication skills

- Team spirit
- Good ability to adapt to different working groups, gained through my work experience abroad.

Organisational / managerial skills

- Good leadership and organizing skills gained through the orientation of several students and volunteers (a total of 18 people);
- Experience in project design and management.
- Experience in fundraising and events organization.

Job-related skills*Scientific Specialization:*

Marine Mammal Science - Distribution, spatial modeling, temporal patterns and ecology.

Areas of Scientific Activity:

- Sampling methodologies for cetaceans. Expertise in the develop for standardized methodologies for data collection in commercial operations. Land based sampling experience.
- Spatial modeling and temporal patterns of marine mammal populations. Good knowledge of several modeling techniques. Scientific studies using innovative techniques.
- Distribution of cetaceans. Analysis of ecological and geographical variables of influence. Home range and site fidelity analysis.
- Experience on cetacean necropsies and stranding methodologies. Member of the regional stranding network of the Azores. Performed several necropsies and rescued one alive cetacean.
- Experience on cetacean transect sampling.

Outreach Activities:

- Environmental education directed to students of different school degrees
- Oral presentations and practices on marine biodiversity on several schools
- Oral presentations on on-going research directed to the local authorities and general public
- Dissemination of on-going research to local and national media

Supervising Experience - Coordination of:

3 Master Students

5 Graduation thesis

7 projects under the Erasmus Programme

9 projects under the Eurodisseia Programme

Scientific Production(see detailed information below):

3 papers

12 panels

Granted Research Assistant of 1 Regional Project

Small boats skipper licence;

OWSI PADI Dive Instructor.

Computer skills

- Excellent knowledge MS Office applications and internet use;
- Very experienced on GIS (SAGA-GIS, Quantum GIS, ArcGIS, ArcView);
- Experienced on R-Statistical Package, especially on the Applied Spatial Data Analysis;
- Working knowledge of MySQL suite and in database design and maintenance;
- Basic knowledge in FORTRAN and MATLAB.

Other skills Yoga, surfing, swimming, free diving, scuba diving. Music

Driving licence B

ADDITIONAL INFORMATION

Publications in international Journals

Hartman KL, **Fernandez M**, Wittich A, Azevedo JMN (2015) Sex differences in residency patterns of Risso's dolphins (*Grampus griseus*) in the Azores: Causes and management implications. *Marine Mammal Science* (IF=1.82)

Hartman KL, **Fernandez M**, Azevedo JMN (2014) Spatial segregation of calving Risso's dolphins (*Grampus griseus*), and its conservation implications. *Marine Biology* 161: 1419-1428 (IF=2.47)

Oviedo L, Esteves MA, Acevedo R, Silva N, Bolaños-Jiménez J, Quevedo A, **Fernández M** (2010) Abundance, distribution and behaviour of common dolphins, *Delphinus* spp., off north-eastern Venezuela: implications for conservation and management. *Journal of the Marine Biological Association of the United Kingdom* 90: 1623-1631 (IF 2011=1)

Posters in international scientific meetings

Fernandez M, Yesson C, Gannier A, Miller P, Bowcot JAM, Azevedo JMN (2015) Modelling the ecological niche of highly mobile species in a dynamic environment. International Biogeography Society 7th Biennial Meeting, 8-12 January. University of Bayreuth, Germany

Fernandez M, Yesson C, Gannier A, Miller P, Bowcot JAM, Azevedo JMN (2014) New insights into the habitat preferences of *Delphinus delphis* and *Stenella frontalis* in the Azores. 28th Conference of the European cetacean society, 5-9 April. Liege, Belgium.

Olveira B, **Fernandez M**, Azevedo JMN (2013) Analysis of residence patterns of Sperm whales (*Physeter macrocephalus*) in Azores Islands using opportunistic data. 27th Conference of the European Cetacean Society, 8-10 April. Setubal, Portugal.

Fernandez M, Hartman KL, Azevedo JMN (2012) Habitat differentiation between groups of Risso's dolphins as evidence of coastal nursery areas. 26th Annual Conference of the European Cetacean Society, 26-28 March. Galway, Ireland.

Fernandez M & Azevedo JMN (2011) Modelling the distribution of cetaceans using opportunistic presence-only data in S.Miguel Island (Azores). 25th Annual Conference of the European Cetacean Society, 21-23 March. Cadiz, Spain.

Sardà C, Parker A, **Fernandez M**, Soley R, Azevedo JMN (2011) AzoresPhotoID: first results from an open-access photoidentification catalog. 25th Annual Conference of the European Cetacean Society, 21-23 March. Cadiz, Spain.

Fernandez M & Oviedo L (2009) Distribution and abundance of *Delphinus delphis* off the Southern Pacific Coast of Costa Rica. SC-61-SM3, presented to the IWC 60th Scientific Committee, June 2009, Madeira, Portugal.

Fernandez M, Soley R, Coutinho C, Cravinho M, Rodrigues R, Azevedo JMN (2009) MONICET - The Whale-Watching companies and the public in Azores Islands at the service of cetacean knowledge and conservation. 23rd Annual Conference of the European Cetacean Society, 2-4 March. Istanbul, Turkey.

Sousa B, **Fernández M**, Azevedo J, Rodrigues R (2009) Spatial and Temporal Distributions patterns of *Delphinus delphis* and *Stenella frontalis* in Sao Miguel Island, Azores. 23rd Annual Conference of the European Cetacean Society, 2-4 March. Istanbul, Turkey.

Fernandez M, Oviedo L, Echevarria D, Goodman S (2007) Co-occurrence of Cetacean Indicator Species of Upwelling Modified Waters and Tropical Warm Waters off Osa Peninsula Costa Rica. 17th Biennial Conference on the Biology of Marine Mammals, 29 Nov - 3 Dec. Cape Town, South Africa.

Talks in national scientific meetings

Fernandez M (2013) Modelling cetacean distributions: challenges and future directions. Jornadas de Biodiversidade CIRN, "A little trip to the Cetacean World", 17th April 2013. Ponta Delgada, Azores.

Fernandez M & Azevedo JMN (2013) MONICET: As empresas e o público ao serviço do conhecimento dos cetáceos dos Açores. Conhecer o Mar dos Açores III, 19-20 September. Horta, Azores.

Hartman KL, **Fernandez M**, Azevedo JMN (2013) Spatial segregation of calving and nursing Risso's dolphins (*Grampus griseus*), and its conservation implications. Conhecer o Mar dos Açores III, 19-20

September. Horta, Azores.

Posters in national scientific meetings

Fernandez M (2014) New insights into the habitat preferences of *Delphinus delphis* and *Stenella frontalis* in the Azores. Seminario investigação 3Bs, 16-17 June. Ponta Delgada, Azores.

Fernandez M & Azevedo JMN (2013) Modelização de distribuição de cetáceos: comparando conjuntos dados e criando mapas realistas de distribuição. Jornadas “Ciência nos Açores-que futuro?”, 7-8 June. Ponta Delgada, Azores

Seminars & Workshops Organization

Jornadas de Biodiversidade “A little trip to thecetacean world”. Ciclo de ciência 2013. Ponta Delgada, April 17th 2013.

International Workshop for Calibrating Ecological Niche Models. Ponta Delgada, 27-30 January 2014