



CURRICULUM VITAE

MACARENA GARCIA SILVA

November 2014

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1) PERSONAL DATA

First name Macarena
Surname Garcia Silva
Sex F
D.O.B. 13/12/1980
Country Spain
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BV Qualification Seafood Specialist (auditor, inspector and technical specialist)

2) ACADEMIC EDUCATION

2005-2006 **Senior Technical Specialist on Occupational Risk Prevention.** Training Institute of Madrid.

2004-2005 **Master degree in Sustainable Management of Marine and Coastal Systems.** University of Barcelona, Spain.

1998-2004 **Bachelor Degree in Environmental Science** Madrid Polytechnic University, Spain.

3) BV QUALIFICATION

STANDARD	BV QUALIFICATION
Program of Inspection of fish and aquaculture products	Inspector
MSC fisheries	Team Leader
MSC Chain of Custody	Lead Auditor
Mercadona, Pescanova, Pesca de Rías, DOP Mexillon de Galicia, Friends of the Sea	Lead Auditor
Inspection for Organic Product	In process of qualification
ISO 22000, ISO 9000, ISO 14000	In process of qualification

4) PROFESSIONAL EXPERIENCE: SUMMARIZED

2011 Bureau Veritas Certification: Seafood auditor (Agrofood Department, South of Spain).

- **Technical development of a private label based on Legal Fishery** for small scale artisanal lobster fishers in Brasil. Preparation of the different documents comprising the benchmark: site visit and analysis of the current situation, terms and conditions, audit procedures, used of the label, etc.
- **Technical development of private sustainable standard for Pescanova**, consist on: documental procedures as: stock assessments of the species: hake, cod, shrimp, squid; chain of custody processes and documentation, fisheries management system developed in Chile, Namibia and Argentina: harvest strategy, policy, governance, control and monitoring. Moreover onsite audits in vessels: environment issues (water, oil, organic wastes, etc.) sustainability gears (bycatch, retained species, etc.) impact of the fishing activity in the ecosystem and habitat, ETPs, Marine Protected Areas.

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- **Technical development of private sustainable Policy for Mercadona:** commercial sheet based on sustainability based in current stock assessment from the species: hake, cod, sharks, swordfish, tuna & haddock. Checklist for fish suppliers regarding sustainability for all the commercial species. Sustainable Guidelines for fishing gears. Sustainability Decalogue for suppliers: harvest strategy (quotas, CPUE, etc), EU Governance, monitoring and control, local legislation, species within IUCN or Greenpeace Red List.
- **Lead auditor for:**

Friends of the sea: Lead auditor for the tuna assessment's, species: bigeye, skipjack, albacore & yellowfin and mackerel. It is mandatory to assess the stock, the management system of the country (on site audits: Madagascar, Cabo Verde, Lanzarote from Canary Islands, Azores) and the environmental impact of the activity (type of gear, habitat, ecosystem, ETPs species, Marine Protected Areas, bycatch and retained sp, carbon footprint and social rights).

MSC fisheries full assessment. Team Leader for MSC fisheries: currently there are five MSC full assessments processes opened:

- LFA Latvia trawl and gillnets Eastern Baltic cod fishery.
- NKF Bothnian Bay vendace trawl fishery.
- Cantabrian Sea purse seine anchovy fishery.
- Bay of Biscay purse seine sardine fishery.
- North Atlantic albacore artisanal fishery.

MSC pre-assessment: Lead auditor for 8 Pre-evaluations of the species: lobster (Brasil); anchovy (Perú), shrimp (Argentina), skipjack tuna (Brasil), vendace (Sweden), swordfish and blue shark (RFMO, UE), octopus (Spain), Shrimps (Argentine and Chile).

MSC chain of custody: Lead auditor for important Spanish processing companies: canning (tuna and anchovies), frozen and chilled boxed (tuna and cod), salted product (salmon, cod), pet food (mackerel), surimi, fresh fish.

Other quality labels: DOP, Mexillon de Galicia, Pesca de Rías.

2011 (May) Association for the Innovation on Marine Studies: Manager

- Project Manager and Head of training of the development of a **New comercial initiative for the tradicional fish product: Atlantic Tuna** among a Japanese and Spanish Company . 28 to 31th March. Barbate.
- Bionomic research of Costa Ballena shoreline (Rota, Spain).
- Cartography report associated to MedRAS project of the UICN (United International Conservation Nature).
- Technical assistant on the research of the *Solem marginatus* stock in Huelva, Spain.

2008-2010 Tragsatec. Technical of the Directorate for Maritime Affairs and Fisheries, Coastal and Marine Unit. Technical assistance to the **Ministry of the Environment and Rural and Marine Affairs** (Division for the protection of the sea & prevention of Marine pollution).

2007-2008 Tragsa. Technical of the Environmental Services Department. Technical assistance to the **Ministry of the Environment and Rural and Marine Affairs** (Division for the protection of the sea & prevention of Marine pollution).

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2006-2007

Vias y Construcciones: Supervisor. Environment and quality Department.
Ferrovial: Responsible of the quality Department.

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5) PROFESSIONAL EXPERIENCE (FOOD): EXTENDED

STANDARD	YEAR/MONTH	COMPANY	PRODUCT CODE*	TYPE OF JOB
	2011-Sep	MAKRO, ALCAMPO	Programme assistance for quality management of fish products and quality evaluation in sales outlet	Inspector
• Pesca de Rías quality label	2011-Nov	CEHOSGA	4 y 8	Lead Auditor (13 md)
• Palamos Prawn quality label	2011-Nov	Fishing vessels, seafood market and seafood companies	4	Auditor (>10 md)
• Marine Stewardship Council Chain of Custody	2011-Nov	FRIIO UNION, ADDED VALUE TUNA SERVICES SL, VENSY ESPAÑA, CONSERVERA LAREDANA, PESCADOS AMARO, CALOGERO, AGUINAGA, KRUSTAGROUP	4 y 8	Lead Auditor (>20 md)
• Bureau Veritas Recognition	2011-Nov	PESCANOVA	Sustainability standar for fisheries. 4	Auditor
	2012-2013	MERCADONA	Sustainability Policy for seafood market. 4, 8, 11	Auditor
	2013-2014	CEDEPESCA – Fishermen local Community from Ceara (Brasil)	Sustainable Procedures and inspection ashore & at sea	Lead auditor
• MSC fisheries	2012-Now	CEDEPESCA, COMPAÑIA AMERICANA DE CONSERVAS SAC, AMASUA, INDUSTRIAS LEAL, FRINSA, CEDER, ORPAGU, CEPESCA, CAMANCHACA, CALVO CEDEPESCA.	Pre-evaluation MSC standard 4 (lobster, anchovy, tuna, shrim, octopus, mussel, swordfish, blue shark)	Team leader
• MSC fisheries	2012- Now	COF PESCADORES SAN MARTINO DE BUEU, SOCIEDAD COOP. GALLEGA RIA DE AROUSA. LFA BALTIC EASTER COD. NKF VENDACE TRAWL, OPEGUI	Evaluation MSC standard 4 (mollusc : clams, cockles, razor clam, vendace, anchovy, sardine, tuna)	Team Leader
• Friends of the sea	2012-Now	PEVAECHE GROUP, OPTUNA 42, TUNAMAR, ADDED TUNA VALUE, FRESCOMAR, REGIONAL GOVERMENT AZORES, FRINSA	9 (Tunas : skipjack, yellowfin, bigeye, albacore ; mackerel, cockle)	Auditor (> 10 md)
• DOP Mexillon de Galicia	February 2013-Now		4 y 8	Auditor

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* ACCORDING TO THE CATEGORIES ESTABLISHED AT THE "INTERNATIONAL FOOD STANDARD" (BRC)

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6) COMPLEMENTARY TRAINING/EDUCATION

POST-GRADUATE TRAINING	
2014	ICES training course “ Stock Assessment ”. August 2014
	IRCA 9001:2008 Quality management . May 2014
	MSC Fishery Team Leader. Online February 2014
2013	CoC MSC training for single an group audits. Online June 2013
	Internal environment auditor 14001. Online March to July 2013
	Inspector for Organic Product. March 2013
	IRCA 22000 Food Safety. March 2013
	Internal Training and qualification as auditor for the quality label DOP <i>Mexillon de Galicia</i> . 04-08 of February. Galicia
	MSC Fisheries update. 11&12 February. London
2012	Internal Training and qualification as auditor for the quality label <i>Gamba de Palamós</i> . April - May 2012. Palamós, Cataluña
	Bureau Veritas Certification MSC Chain of Custody Training. March 2012
	Scientific knowledge of the MSC Standard. Outcome from the environmental study regarding the MSC Certification. 17 th February Madrid
	MSC Fisheries Certification in Developing and Emerging Economies: The Way Forward. 13 th February. Madrid
2011	MSC Certification Body Workshop. 03 & 04 October. London
	“Course of Geographical Information Systems” (95 hours). Polytechnic University of Madrid
	“Course of Coastal Ecoturist” (80 hours). Instituto Ecología Litoral. Alicante
	Project Manager and Head of training of the develop of a New comercial initiative for the tradicional fish product : Atlantic Tuna. 28 to 31 th March. Barbate
	Artisanal fisheries development in the reform of the Common Fisheries Policy. 10 th June. Madrid
	Presentation of the MSC certification program for sustainable fisheries. 28 June. Madrid
2010	Posimed Project. 26/28 November. Granada
	Conference for the development of new business opportunities for fisheries and aquaculture. 3th December. Granada.
	Conservation of the Andalusian coastline through participatory activities. Granada.
2009	The Role of Marine Ecosystems in the provision of goods and services to the Company. The PEW Environmental Group, Madrid
	National Environmental Congress. Madrid
2008	Technical and logistic coordination for the Ospar workshop on Marine Spatial Management (MASMA) . Madrid
	Technical and logistic coordination for the 15th Ordinary Meeting of the Contracting Parties to the Barcelona Convention . Almería.
	Coastal law and planning (34 hours) Ministry of the Environment and Rural and Marine Affairs. Segovia
2005	“Course Integrate Environmental, quality and risk management” (268 hours) Instituto Regional de Empleo. Madrid
	Participant in the Youth Exchange Program for Sustainable Develop and cultural exchange . July. Greece

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	Voluntary internship Barcelona Aquarium . February-May
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6) LANGUAGES

LANGUAGE	LEVEL	OFFICIAL CERTIFICATES
Spanish	Native	No
English	High	British Council Certificate Cambridge Certificate First Certificate (B2)
Portuguese (Brazil)	Medium	Particular classes

7) OTHER DATA OF INTEREST

SCIENTIFICIST PAPERS AND COMUNICATIONS

- García Silva, Macarena. *"Sostenibilidad pesquera: un concepto o una realidad"*. Revista Rutas Pesqueras. Nº Mayo 2012.
- Communication «*"Pesca sostenible"*».Comite Técnico Bureau Veritas. April 18 of 2012. Club Financiero Génova Madrid..
- García M., Inemar, 2011. *"Development of the database of the Alboran Sea, MedRas Project, UICN"*. Empresa de Desarrollo Agrario y Pesquero (Actualmente AGAPA). Technic Report and GIS database.
- García M., Inmemar, 2011. *"Supporting report accompanying the thematic cartography of the MedRAS Project"* Consejería Agricultura y Pesca Andalucía-Inemar.
- Researcher *"Ecological framework for the management of the different habitats in Spain"*. Council Directive 92/43/CE
- *"Draft of the Basis for Marine Planning in Spain"*. Ministry of the Environment and Rural and Marine Affairs of Spain.
- Responsible for scientific and technical coordination of the bilingual publication *"The Seas of Spain"* Ministry of the Environment and Rural and Marine Affairs of Spain.
- Responsible for scientific and technical coordination of the bilingual publication *"Human Activities in the Seas of Spain"* Ministry of the Environment and Rural and Marine Affairs of Spain.