

MSC Fishery Announcement

# JC MACKINTOSH'S GREENSTICK, HANDLINE AND FISHING ROD BLUEFIN TUNA FISHERY

Marine Stewardship Council fisheries assessments

31.08.2021

# 1 Introduction

This template details the information required from Conformity Assessment Bodies (CABs) when formally announcing the entry of a fishery into assessment or into reassessment and will be published on the MSC website. Additional information that needs to be submitted to the MSC database in line with FCP v2.2 Section 7.12 and 7.13.1:

- Announcement Comment Draft Report
- Completed client document checklist.
- Pre-assessment report (if one exists and was written by CAB doing full assessment, otherwise the CAB should inform the MSC of the report's author).
- Indicative assessment timeline.

Please complete all unshaded fields. All notes and guidance indicated in *italics*, please delete and replace with your specific information. All grey boxes containing instructions may be deleted, e.g. the 'Introduction' section.

## Marine Stewardship Council fishery announcement

**Table 1 – Fishery announcement**

1	Fishery name	
	JC MACKINTOSH'S GREENSTICK, HANDLINE AND FISHING ROD BLUEFIN TUNA FISHERY	
2	Assessment number	
	Initial assessment	
3	Reduced reassessment (Yes/No)	
	N/A	
4	Statement that the fishery is within scope	
	<p>The fisheries meet the scope requirements of FCP v2.2 section 7.4.2 &amp; 7.12:</p> <p>7.4.2.1: The fisheries do not target, under principle 1, amphibians, reptiles, birds or mammals.</p> <p>7.4.2.2: The fisheries do not use poisons or explosives.</p> <p>7.4.2.3: The fisheries are not conducted under a controversial unilateral exemption to an international agreement.</p> <p>7.4.2.4: The fisheries client has not been prosecuted for forced or child labour violation in the last 2 years.</p> <p>7.4.2.10: The fisheries client or client group does not include an entity that has been convicted for a shark finning violation in the last 2 years.</p> <p>7.4.2.11: The fisheries have mechanisms for resolving disputes</p> <p>7.4.2.12: The fisheries are not enhanced fisheries.</p> <p>7.4.2.13: The fisheries are not an Introduced species- based fisheries.</p> <p>7.12: The fishery is within the scope of the MSC Fisheries Standard</p>	
5	Unit(s) of Assessment - UoA(s)	
	<b>UoA 1</b>	Description
	Species	Thunnus thynnus
	Stock	Eastern Atlantic bluefin tuna
	Fishing gear type(s) and, if relevant, vessel type(s)	Greenstick
	Client group	Atun Rojo del Estrecho S.L. (J.C. Mackintosh)
	Other eligible fishers	N/A
	Geographical area	<p><b>FAO area: 27 (ICES area 9a-South) and 37 (37.1.1)</b></p> <p><b>Common name of the body of water:</b> Strait of Gibraltar</p> <p><b>Local fisheries management area:</b> Spanish EEZ (Spanish management authorities)</p> <p><b>Stock region: Eastern Atlantic bluefin tuna</b></p>
	<b>UoA 2</b>	Description
	Species	Thunnus thynnus

	<table border="1"> <tr> <td>Stock</td><td>Eastern Atlantic bluefin tuna</td></tr> <tr> <td>Fishing gear type(s) and, if relevant, vessel type(s)</td><td>Handline and fishing rod</td></tr> <tr> <td>Client group</td><td>Atún Rojo del Estrecho S.L. (J.C. Mackintosh)</td></tr> <tr> <td>Other eligible fishers</td><td>Other Spanish handline vessels targeting bluefin tuna within Spanish EEZ in the Gulf of Cadiz and Strait of Gibraltar.</td></tr> <tr> <td>Geographical area</td><td> <b>FAO area: 27 (ICES area 9a-South) and 37 (37.1.1)</b>  <b>Common name of the body of water:</b> Strait of Gibraltar  <b>Local fisheries management area:</b> Spanish EEZ (Spanish management authorities)  <b>Stock region: Eastern Atlantic bluefin tuna</b> </td></tr> </table>	Stock	Eastern Atlantic bluefin tuna	Fishing gear type(s) and, if relevant, vessel type(s)	Handline and fishing rod	Client group	Atún Rojo del Estrecho S.L. (J.C. Mackintosh)	Other eligible fishers	Other Spanish handline vessels targeting bluefin tuna within Spanish EEZ in the Gulf of Cadiz and Strait of Gibraltar.	Geographical area	<b>FAO area: 27 (ICES area 9a-South) and 37 (37.1.1)</b> <b>Common name of the body of water:</b> Strait of Gibraltar <b>Local fisheries management area:</b> Spanish EEZ (Spanish management authorities) <b>Stock region: Eastern Atlantic bluefin tuna</b>
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6	Certificate sharing statement										
	Client wishes to leave certificate open to potential certificate sharers under UoA 2 and understands and wills for reasonable certificate sharing agreements with other eligible fishers. See Appendix 2 for details.										
7	Name of proposed team leader										
	<p>Lucia Revenga: Team leader, Principle 2 and Principle 3 expert.</p> <p>Lucia Revenga is a marine scientist, specialized in Fisheries Biology who holds degrees in Marine Sciences and in Environmental Sciences from Cadiz University (Spain). For 5 years she worked with TRAGSA for the Spanish General Marine Secretariat, conducting researches on the biology and stock status of different species, such as bluefin tunas, skipjack tunas, albacores, mackerels, sardines, eels, prawns, Norway lobsters, halibuts. She has also taken part in oceanographic surveys focused in the search of vulnerable marine ecosystems. From 2011 to 2015 she worked for IFAPA (Institute for Research and Training in Fisheries) as a Fisheries biology teacher for fishermen. She also conducted research in fishery local activities with the aim of increasing community awareness of the conservation of coastal ecosystems and encouraging sustainable fishing practices. From 2015 to 2020 she worked full time as an independent consultant, covering the roles of P2 assessor and team leader for different CABs and assessments. In 2020 she joined DNV as part of DNV MSC Fishery Global Unit.</p> <p>Her qualifications meet the competence criteria defined in Annex PC for the Team-member with expertise in the impact of fisheries on aquatic ecosystems and RBF, management systems and country knowledge:</p> <ul style="list-style-type: none"> <li>• She has an appropriate university degree</li> <li>• She has passed the MSC team member training</li> <li>• She has passed the RBF training module</li> <li>• She has over 3 years' experience in research in the impact of fisheries on aquatic ecosystems</li> <li>• She has over 3 years' experience as a practising fishery manager and/or fishery/policy analyst</li> <li>• She has no conflicts of interest in relation to the fishery under assessment.</li> </ul> <p>Lucia's qualifications also meet the competence criteria defined in Annex PC for the Team-Leader and Chain of custody responsible:</p> <ul style="list-style-type: none"> <li>• She has an appropriate university degree</li> <li>• She has passed the MSC team leader training</li> <li>• She has passed the MSC Traceability training module</li> <li>• She has passed the MSC RBF training module</li> <li>• She meets ISO 19011 training requirements</li> <li>• She has undertaken two fishery assessments as a team member in the last five years, and</li> <li>• She has experience in applying different types of interviewing and facilitation techniques and is able to effectively communicate with clients and various stakeholder groups.</li> <li>• She has no conflicts of interest in relation to the fishery under assessment.</li> </ul> <p>Short CV is presented in Appendix 1. Will participate in on-site audit.</p>										

8	Name(s) of proposed team members												
	<p><b>Lisa Borges: Principle 1 expert.</b></p> <p>Lisa Borges earned her PhD in Zoology from the National University of Ireland – University College Cork. She is currently a consultant for FishFix (Portugal) where she focuses on the biological and ecological sustainability of fisheries by providing expertise in the areas of bycatch and discards. She has experience in auditing fisheries for sustainability, coordinating the involvement of various stakeholders, providing technical advice on data collection, drafting and generating policy, and contract development in fisheries management. Other titles include Fisheries Scientist for Wageningen IMARES and Policy Officer for the European Commission DG MARE. In addition, Lisa has a multitude of publications on discard policy and procedures and has been the Chair/Co-Chair in several international conferences, workshops and working groups. Lisa has extensive experience conducting MSC preassessments and assessments in all three Principles, although is specialized in Principle 1. Lisa is also a member of the MSC Peer Review College</p> <p>Her qualifications meet the competence criteria defined in Annex PC for the Team-member with expertise in Fish stock assessment and biology:</p> <ul style="list-style-type: none"> <li>• She has an appropriate university degree</li> <li>• She has passed the MSC team member training</li> <li>• She has passed the RBF training module</li> <li>• She has over 3 years' experience in stock assessment techniques comparable with techniques used by the fishery under assessment</li> <li>• She has over 3 years' experience in the biology and population dynamics of the species with similar biology.</li> <li>• She has over 3 years' experience as a practising fishery manager and/or fishery/policy analyst</li> <li>• She has no conflicts of interest in relation to the fishery under assessment.</li> </ul> <p>Short CV is presented in Appendix 1. Will participate in on-site audit.</p>												
9	Stakeholder opportunities												
	<p>The ACDR, published on the MSC website with this announcement, is subject to stakeholder comments for a period of 60 days. Notification of this will be sent by email to all stakeholders identified with the client. Written submissions must be made via the 'MSC Template for Stakeholder Input into Fisheries Assessments v4.0' which can be found on the MSC website: <a href="https://www.msc.org/for-business/certification-bodies/supporting-documents/Index?search=stakeholder+input">https://www.msc.org/for-business/certification-bodies/supporting-documents/Index?search=stakeholder+input</a></p> <p>The assessment team is available to meet either in person or remotely during the site visit which is scheduled for w/c 2<sup>nd</sup> November 2021 in Tarifa, Spain.</p> <p>DNV will only accept stakeholder input as public record if submitted using the 'MSC Template for Stakeholder Input into Fisheries Assessments', or if raised at the site visit in person or remotely.</p>												
10	Assessment tree to be used												
	Default assessment tree as in FS 2.01												
11	Estimated timeline												
	<p>The following is an estimated timeline for the assessment</p> <table border="1"> <thead> <tr> <th>ACTIVITY</th><th>DEADLINE</th></tr> </thead> <tbody> <tr> <td>ACDR &amp; Announcement</td><td>31.08.2021</td></tr> <tr> <td>Site visit</td><td>02.11.2021</td></tr> <tr> <td>PCDR</td><td>01.03.2022</td></tr> <tr> <td>Final Report</td><td>01.05.2022</td></tr> <tr> <td>PCR</td><td>01.07.2022</td></tr> </tbody> </table> <p>Please note that a separate assessment timeline is available on the MSC website which is subject to updates as required by FCP v 2.2§ 7.13.1.</p>	ACTIVITY	DEADLINE	ACDR & Announcement	31.08.2021	Site visit	02.11.2021	PCDR	01.03.2022	Final Report	01.05.2022	PCR	01.07.2022
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12	Site visit
	The assessment team will be available to meet in person or remotely during the scheduled site visit of w/c 2 <sup>nd</sup> November 2021 in Tarifa, Spain. A key purpose of the site visit is to collect information and to speak to stakeholders with an interest in the fisheries. DNV assessment team encourages any stakeholders with experience or knowledge of the fisheries to participate in these meetings.
13	Announcement Comment Draft Report stakeholder input deadline
	The ACDR, published on the MSC website with this announcement, is subject to stakeholder comments for a period of 60 days. Notification of this will be sent by email to all stakeholders identified with the client. The ACDR gives a draft scoring range for each of the performance indicators and with draft rationale. Written submissions must be made via the 'MSC Template for Stakeholder Input into Fisheries Assessments v4.0' which can be found on the MSC website: <a href="https://www.msc.org/for-business/certification-bodies/supporting-documents/Index?search=stakeholder+input">https://www.msc.org/for-business/certification-bodies/supporting-documents/Index?search=stakeholder+input</a> <b>Comments on the ACDR shall be submitted by 5 PM UTC on 31.10.2021.</b>

Site visit is a key step to evaluate the Performance Indicators and Scoring Guideposts in the MSC Methodology and to collect information regarding the fisheries, and in particular to speak to representatives of the fisheries, fisheries management and environmental management bodies.

DNV invites organisations or individuals with an interest in these fisheries to meet with the assessment Team and provide information relevant to the assessment process.

DNV would like to inform that the assessment team is unable to reference or use information that cannot be shared with all stakeholders.

Confidential information should only relate to either

- financial transactions about certification
- financial affairs of individual companies or information that may lead to this information being made public,
- information that is the subject of relevant national privacy or data protection legislation in the Client's country.

The assessment team will meet in Tarifa, Spain, on w/c 2<sup>nd</sup> November 2021.

If you would like to talk to the assessors, please advise us of your interest by **5 PM UTC on 31.10.2021**, giving the following details:

1. Name and company, together with contact information
2. Your association with the fisheries
3. The issues you would like to discuss (in order for us to arrange appropriate representation)
4. Suitable venue/method and time for a meeting

Please submit this information to Lucia Revenga ([lucia.revenga@dnv.com](mailto:lucia.revenga@dnv.com)) and you will be contacted as soon as possible.

Further information regarding the Marine Stewardship Council Methodology is available at the MSC website <http://www.msc.org>.

DNV seeks to open a dialogue with all organizations or individuals with a direct interest in these fisheries. Anyone wishing to provide comments or information to the reassessment process (in terms of the status of the stocks, ecosystem interactions or fisheries management practices, other) is invited to contact DNV. You may contact us for a meeting during the site visit, remote interviews or written submissions. Please use the "MSC template for stakeholder input v 4.0 for submission of your comments. The template can be downloaded from the MSC website: <https://www.msc.org/for-business/certification-bodies/supporting-documents/Index?search=stakeholder>

Information on this fishery can be found at: <https://fisheries.msc.org/en/fisheries/>

Should you have any information on this fishery that you feel should be considered in the assessment, please advise us. Recommendations of new stakeholders are also welcome.

Submitted by:

Name: Lucia Revenga

DNV Business Assurance

Email: [lucia.revenga@dnv.com](mailto:lucia.revenga@dnv.com)

Mobile: +34 687 82 77 38

Date: 31.08.2021

## Appendix 1: Summaries of CVs of team leader and team members

### CV Lucia Revenga

**PROFILE:** Skilled fisheries sustainability auditor, with a solid background in on-board work as a fisheries scientist with experience also in the environmental area. Highly committed with people's welfare, sustainability and environment.

#### HIGHER EDUCATION:

- 2000 **MSc. Degree in Marine Sciences** (Licenciate). Cadiz University (UCA) (SPAIN).
- 2006 **MSc. Degree in Environmental Sciences** (Licenciate). Cadiz University (UCA) (SPAIN).
- 2009 Higher Diploma in **Health and Safety Technical Expert**. Specialty in Safety, Health, Ergonomics and Psychosociology. 1100 hours. Fundación Esculapio. (SPAIN)
- 2013 Postgraduate Certificate in Education (PGCE). Cadiz University (UCA) (SPAIN).

#### FURTHER TRAINING:

- Licences and certificates:
  - **MSC Team leader online training (v2.2 2020). Marine Stewardship Council**
  - **MSC Team member online training (v1.3 2013, v2 2015, v2.1 2018 and v2.2 2020). MSC Principle 2 expert.**
  - **ISO 19011 Lead auditor - Management systems auditing. Exemplar Global 2018.**
  - Basic Safety Training Card (includes approved basic training STCW Code).
  - Sailor Professional Certificate.
  - Master's Licence for Recreational Boats.
  - Scuba Diver 1 star.
  - Spanish Merchant Navy Seafaring Licence
  - "Shipwreck Survival Training Course, 1<sup>st</sup> level". Cadiz University.
  - "Introduction to Nautical Sciences" Course 90 hours. Cadiz University.
  - "Teaching in fisheries". Course 30 hours. IFAPA. 2011.
  - "Open water aquaculture". Course 40 hours. IFAPA. 2011
  - "Statistics". Course 30 hours. IFAPA. 2012.
  - "ISO 9000: Quality Assurance". Course 50 hours. CEA. 2003

### WORK EXPERIENCE: FISHERIES AREA

ROLE: MSC fisheries team leader.  
Lead auditor.  
DNV Business Assurance  
Sept 2020- to date.

ROLE: Independent fisheries consultant.  
P2 assessor (Environmental impacts of fishing activities) and Team leader roles of the Marine Stewardship Council Standard.  
CABs: DNV-GL, Lloyd's Register (LR), MRAG Americas, Marine Certification (MC).

Fisheries Improvements Projects (FIP):

- Spanish red swamp crayfish (<https://fisheryprogress.org/directory>). Consultancy services for PEBAGUA.

MSC Certification projects:

- **Rimfrost Antarctic krill**. 1<sup>st</sup> assessment. DNV-GL. P2 assessor.
- **AKER biomarine Antarctic krill fishery**. 1<sup>st</sup> and 2<sup>nd</sup> Reassessment. LR. P2 assessor.
- <https://www.msc.org/track-a-fishery/fisheries-in-the-program/in-assessment/north-east-atlantic/DFPO-Inner-Danish-Waters-blue-shell-mussel/DFPO-Inner-Danish-Waters-blue-shell-mussel> DFPO Danish inner waters blue shell mussel reassessment. MRAG Americas. Team leader.
- Danish **Isefjord and East Jutland**, **Seafood Romo**, and **Vilsund** blueshell mussel dredge fisheries. 4<sup>th</sup> surveillance. MRAG Americas. Team leader.
- **Danish and Swedish nephrops** 1<sup>st</sup> assessment and 1<sup>st</sup> surveillance. LR. P2 assessor.
- **Swedish west coast rope grown mussel** 1<sup>st</sup> and 2<sup>nd</sup> surveillances. LR. P2 assessor.
- **OHV Dutch Waddenzee and Oosterschelde hand racked cockle**. 2<sup>nd</sup> surveillance. LR. P2 assessor.

- <http://www.project-medfish.com/> MedFish project. Spanish section. Preassessment of Balearic mahi-mahi, Castellon anchovy and sardine, Catalanian octopus, Mar Menor camarote prawn, Motril's shrimp, Palamós red shrimp. LR. P2 assessor.
- <https://www.cephsandchefs.com/> Preassessment of Algarve octopus, Lugo octopus and Irish squid. FixFish. P2 assessor.
- Preassessment of purse seine Gulf of Cadiz anchovy. 2020. FixFish. Team leader and P2 assessor.
- [Iceland ISF blue whiting](#) fishery. 1<sup>st</sup> assessment. DNV-GL. Team leader and P2 assessor.
- [Iceland ISF northern shrimp](#) fishery. 1<sup>st</sup> assessment. DNV-GL. Team leader and P2 assessor.
- [FIUN Barents Sea cod and haddock](#) 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> surveillances. Reassessment. 1<sup>st</sup> surveillance. LR. P2 assessor.
- [Norway NEA blue whiting](#) 1<sup>st</sup> assessment. DNV-GL. Team leader and P2 assessor.
- [Norway North Sea sandeel, Norway pout and sprat fisheries](#) 1<sup>st</sup> assessment. DNV-GL. Team leader and P2 assessor.
- [Norway NEA saithe](#) Reassessment. DNV-GL. P2 assessor.
- [Norway NEA cod and Norway NEA haddock](#). 2<sup>nd</sup> reassessment. DNV-GL. P2 assessor.
- [Norway North Sea demersal fisheries](#). Reassessment. DNV-GL. P2 assessor.
- [Norway NEA cold water prawn](#) Reassessment. DNV-GL. P2 assessor.
- [Estonia NEA cold water prawn and cod fisheries](#). Reassessment. DNV-GL. P2 assessor.
- [Faroe Islands NEA cold water prawn](#). Reassessment. DNV-GL. P2 assessor.
- [Faroe Islands saithe](#). Reassessment. DNV-GL. Team leader and P2 assessor.
- [Faroe Islands tusk and ling. Scope extension cod and haddock.](#) 1<sup>st</sup> assessment. DNV-GL. Team leader and P2 assessor.

**EMPLOYER:** IFAPA - Andalusian Fisheries Research and Training Public Center.

**Role:** Researcher and Teacher in the Fisheries Biology Department.

**Location:** IFAPA Sanlúcar (Cádiz, Spain). February 2011 - December 2015

**TASKS:**

- Drafting and implementation of the project: "Measures to support the fisheries eco-certification in Andalucía". **Consultancy services to local fisheries on fisheries eco-certification standards.**  
<https://www.juntadeandalucia.es/agriculturaypesca/ifapa/web/node/40982>
- Drafting of teaching materials and teaching of biology subjects taught in the IFAPA Sanlúcar Center as part of its program of institutional training maritime fishing (Sailor fishermen, Skippers and Offshore aquaculture). Modules and courses: "Fisheries Biology" (20 hours); "Handling catches" (15 hours); "Handling and storage of fishery products" (2 hours), Course "Offshore aquaculture" (40 hours); Course "Introduction to fisheries eco-certification standards" (50 hours).
- **Research in local fishing activities.**

**EMPLOYER:** TRAGSA and IEO.

**Role:** Marine Scientist

**Dates:** December 2004 - August 2010.

**SURVEYS:**

1. Survey PORCUPINE 09/16: Research of Stock Biomass Index for fish species. R/V "Vizconde de Eza". Porcupine bank (NEA). IEO- Cádiz.
2. Survey NEREIDA 0810: Search of Vulnerable Marine Ecosystems. R/V "Miguel Oliver". NAFO. IEO-Madrid.
3. Blue Fin Tuna: Barbate, Conil and Zahara Tuna fixed traps. 2008-2010. **Almadrabas de Cádiz**. TRAGSA.
4. Pilot project 62/2007: Implementation of sorting grids in the trawl fishery. **Gulf of Cadiz**. IEO-Cadiz.
5. Walvis Ridge seamounts research cruise. Namibia 0208. R/V "Vizconde de Eza". IEO-Cadiz.
6. Blue Fin Tuna: Tuna Cages. M/V "Caladeros del mediterráneo III". 2006-2007. Murcia (SPAIN). TRAGSA.
7. Pilot project RAI-AP-36/2005: Trawler Reefer "Farruco". Morocco. TRAGSA.
8. Canadian fishery for Atlantic halibut: Trawler reefer "Codeside". NAFO Regulation Zone (Canada).
9. R/V "Sibiriakov". Baltic Sea. University of St. Petersburg (Russia).

**TASKS:**

- Research of the sensible habitats and fishing resources for the study and protection of vulnerable ecosystems in the NAFO Regulation area as well as in the Walvis Ridge seamounts in Namibia, sampling fisheries and benthic habitats.
- Acoustic and geophysical studies of the Walvis ridge seamounts (SEAFO) using multibeam echo sounding and seismic parametric sounding TOPAS, with the aim of identifying possible bioconstructions and other

geomorphological structures of interest. Generation of bathymetric maps from digital models of depth using a multibeam echosounder in Namibian waters.

- Sampling, catch estimation, data collection and monitoring of fishing activities.
- Report writing and review on:
  - Daily supervision of fishing activities. Fishing effort and GPS position of the vessel.
  - Fishing gears and nets.
  - Identification of the species and biological fish studies.
  - Preservation of specimens for reference collections and for later studies.
  - Data and photography collection during surveys. Statistics of catch.
  - Study and report of the by-catch.
  - Seabird and cetacean observations.
  - Infringements and inspections.
  - Technical support for the preparation of technical reports and other publications.

## **CV Lisa Borges**

### Work Experience:

16 October 2010 – to date

#### Consultant

FishFix ([www.fishfix.eu](http://www.fishfix.eu))

- Consultancy on the biological and ecological sustainability of fisheries, focusing on one main area of expertise: discards. Providing stock assessment, scientific advice in support of management options, developing management policies and carrying out project evaluations. Auditing fisheries for sustainability certification. Coordinating the involvement of various stakeholders to facilitate cooperation, collaboration and consensus. Management and implementation of Fisheries Improvement Projects.
- Member of the Scientific, Technical and Economic Committee for Fisheries (STECF, 2016-2022) of the European Commission.
- Partner H2020 DiscardLess project

16 March 2007 - 15 October 2010

#### Policy Officer AD8

European Commission DG MARE, Rue Joseph II, 79, B-1049 Brussels, Belgium.

- Maintaining and developing common fisheries management tools, but also generating new policies, by writing specific documents (communications, non-papers and impact assessment reports), following consultation processes and finally legal drafting.

15 August 2005 - 16 February 2007

#### Fisheries Scientist

Wageningen IMARES - Institute for Marine Resources & Ecosystem Studies, Haringkade 1, 1976 CP IJmuiden, Netherlands.

- Contract developed in the area of Discards and Fish Stock Assessment, with an important component in providing scientific advice within the framework of international agencies.

26 June 2000 - 31 January 2002

#### Fisheries Scientist - STO

Marine Institute, Rinville, Oranmore, Co Galway, Ireland.

- Contract developed in the area of Discards and Fish Stock Assessment.

2 February 1998 - 31 August 1999

#### Fisheries Scientist

IPIMAR - Fisheries and Sea Research Institute, Av. Brasília, 1449-006 Lisbon, Portugal.

- Researcher in the U.E. project (D.G. XIV Study contract 96/029) "Evaluation of demersal resources of Southwestern Europe from standardized groundfish surveys" – SESITS in IPIMAR.

## EDUCATION AND TRAINING

1 April 2002 - 26 August 2005

#### Doctorate - PhD in Zoology

ISCED 6

National University of Ireland - University College Cork (University), Distillery Fields, North Mall, Cork, Ireland.

Fisheries Management and Statistics (GLM, GAM, mixed-modelling)

Driving licence  
8 February 1996 - 16 June 1998

- Thesis: "Discarding by demersal fisheries: methodologies, quantification and modelling".

B

Master (Mestrado) in Sciences of the Sea – Marine Resources, Speciality Fisheries ISCED 6 MSC

Universidade do Porto - Instituto de Ciências Biomédicas de Abel Salazar, Largo Prof. Abel Salazar, 2, 4099-003 Porto, Portugal.

- Thesis: "Biology, distribution and behaviour of the snipefish (*Macrorhamphosus* spp.) in the Portuguese continental coast".

3 September 1990 - 6 October 1995

Degree (Licenciatura) in Marine Biology and Fisheries, Speciality Marine Ecology ISCED 5

Universidade do Algarve, Campus de Gambelas, 8005-139 Faro, Portugal.

- Thesis: "Spatial and temporal associations between the harbour porpoise, *Phocoena phocoena* (Linnaeus 1758), and their potential fish prey species"

#### Certification projects:

- NKF Bothnian Bay vendace fishery. 1<sup>st</sup> assessment. BV. P1 & P2 assessor.
- LFA Latvia Eastern Baltic cod. 1<sup>st</sup> assessment. BV. P1 & P2 assessor.
- DFPO European plaice fishery. MRAG America. P3 assessor.
- Cantabrian purse seine anchovy & sardine. 1<sup>st</sup> assessment. BV. P1 & P2 assessor.
- Joint North Sea demersal fisheries. Control Union. P1 assessor.
- European South Pacific jack mackerel. 1<sup>st</sup> assessment. Control Union. P1 assessor.

#### MSC pre-assessment projects:

- 2016 MedFish Project. Acoura. P1 assessor
- 2019 MedFish project. Acoura. P1 assessor

#### Peer Review College

- DFPO, DPPO and SPPO Skagerrak, Kattegat and Western Baltic Herring Fishery
- North and South Atlantic swordfish Spanish longline
- DFPO and DPPO Skagerrak and Kattegat Sandeel, Norway pout, and Sprat fisheries
- ISF Iceland multi-species demersal fishery

## Appendix 2: Client certificate sharing statement

### Revenga, Lucia

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**From:** Iñigo Asís | JC Mackintosh <inigo@jcmackintosh.es>  
**Sent:** viernes, 20 de agosto de 2021 10:52  
**To:** Revenga, Lucia  
**Cc:** Juan Carlos  
**Subject:** Compartir Certificado

Estimada Lucía,

Te comunicamos formalmente que en Atún Rojo Del Estrecho S.L. entendemos el significado de los acuerdos de compartir certificado y estamos dispuestos a negociar acuerdos razonables con otros pescadores de la flota de caña y línea de mano del estrecho en relación a compartir el presente certificado de pesca sostenible MSC una vez conseguido.

Atentamente,

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A controlled document list of MSC program documents is available on the MSC website ([msc.org](https://www.msc.org)).

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