

Control Union Pesca Ltd.

Southern Indian Ocean Saint Paul Rock Lobster Fishery

MSC Fishery Announcement

Control Union Pesca Ltd

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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 v2.1 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				
	- Southern Indian Ocean Saint Paul Rock Lobster Fishery				
2	Assessment number				
	- Initial assessment				
3	Reduced reassessment (Yes/No)				
	- N/A.				
4	Statement that the fishery is within scope				
	<p>CU Pesca confirms that the fishery under assessment is within the scope of the MSC Fisheries Standard (7.4 of the MSC Fisheries Certification Process v2.1):</p> <ul style="list-style-type: none"> • The target species is not an amphibian, reptile, bird or mammal; • The fishery does not use poisons or explosives; • The fishery is not conducted under a controversial unilateral exemption to an international agreement; • The client or client group does not include an entity that has been successfully prosecuted for a forced or child labour violation in the last 2 years; • The fishery has in place a mechanism for resolving disputes, and disputes do not overwhelm the fishery; • The fishery is not an enhanced fishery as per the MSC FCP 7.4.6; and • The fishery is not an introduced species-based fishery as per the MSC FCP 7.4.7. <p>CU Pesca confirms that the client group has submitted the completed 'Certificate Holder Forced and Child Labour Policies, Practices and Measures Template' prior to the start of this assessment.</p>				
5	Unit(s) of Assessment - UoA(s)				
	<p>The Unit of Assessment (UoA) is as follows:</p> <table border="1"> <tr> <td>Species</td><td>Saint Paul rock lobster (<i>Jasus paulensis</i>)</td></tr> <tr> <td>Stock</td><td>Saint Paul rock lobster</td></tr> </table>	Species	Saint Paul rock lobster (<i>Jasus paulensis</i>)	Stock	Saint Paul rock lobster
Species	Saint Paul rock lobster (<i>Jasus paulensis</i>)				
Stock	Saint Paul rock lobster				

	Geographical range of fishery	Saint Paul and Amsterdam (FAO 51)
	Harvest method / gear	Pots
	Client group	SAPMER and Armas Pêche, including the single vessel, the 'Austral II' with associated dories (<i>canots</i> and <i>caseyeurs</i>)
	Other eligible fishers	None
6	Certificate sharing statement	
	<ul style="list-style-type: none"> - N/A, there are no other eligible fishers 	
7	Name of proposed team leader	
	<ul style="list-style-type: none"> - Chrissie Sieben <p>Chrissie has a Master's Degree in Marine Environmental Protection which she obtained at the University of Wales, Bangor, and specialises in marine and fisheries ecology, marine environmental impact assessments and sustainable fisheries. She was the MSC Fisheries Scheme Manager at ME Certification Ltd (which later became CU Pesca) up until December 2018. Previous to joining MEC, she worked as a fisheries consultant and marine ecologist on UK-based and international projects. Chrissie is now an independent assessor with over eight years' experience with the MSC certification requirements and has acted as team leader and P2 assessor on a range of preassessments, surveillance audits and full assessments of demersal and pelagic fisheries in the, the Mediterranean, as well as the Atlantic, Indian, Southern, and Pacific Oceans. She also regularly participates in MSC training sessions and workshops. Chrissie speaks fluent French and Dutch in addition to English. She will act as the Team Leader for this assessment and will be responsible for Principle 2. Chrissie has successfully completed the MSC online training on the application of the Risk-Based Framework (RBF), FCRv2.0 and FCPv2.1.</p> <p>With over 10 years' experience in marine fisheries ecology, she meets the following criterion in Table PC3: Fishing impacts on aquatic ecosystems. Chrissie has completed the MSC online Traceability training and previously worked as a Chain of Custody auditor for MEP. She therefore meets the Table PC3 criterion: Understanding the CoC Standard and CoC Certification Requirements. There are no conflicts of interest in relation to the fishery under assessment.</p>	
8	Name(s) of proposed team members	
	<ul style="list-style-type: none"> - Dr. Johan Groeneveld <p>Dr. Groeneveld is a marine biologist with 25 years' experience working in marine fisheries and their impacts on target and bycatch species, and on marine environments. He obtained a PhD in marine ecology in 2001 at the University of Cape Town in South Africa, and currently works as a Senior Scientist at the Oceanographic Research Institute (ORI) in Durban, where he is also an Honorary Professor at the University of KwaZulu Natal. His previous experience includes 12 years as a government scientist tasked with applied fisheries research and management of commercial spiny lobster fisheries in South Africa (1995-2006). He spent 2 years as a specialist fisheries advisor to the fisheries ministry in the Sultanate of Oman (2006-2008) before joining ORI in 2008. As an applied fisheries scientist, he regularly undertakes consulting projects for the private sector, including for the fishing industry and clients such as Control Union Pesca, World Bank, UNEP, and the FAO. Johan first worked on MSC certification projects in 2009, and has since then participated in MSC pre-</p>	

	<p>assessments, full assessments, peer-reviews and surveillance audits of bottom trawl fisheries, lobster trap fisheries and pelagic longline fisheries in the Western Indian Ocean, SE Atlantic, Caribbean and elsewhere. He has been a member of the MSC peer-review college since 2018. As an academic, Johan has an extensive publication record in the peer-reviewed literature and is also on the editorial board of the journals 'Fisheries Research', and 'Western Indian Ocean Journal of Marine Science'. Apart from outputs in the primary literature, he has written, or contributed to numerous technical reports dealing with fisheries assessments, marine environmental management and research capacity development. Dr. Groeneveld meets the Table PC3 requirements on Fish stock assessment. He will be responsible for the assessment of Principle 1. Dr. Groeneveld has also completed the required MSC Fishery Team Member v2.0 training modules, qualifying him as a team member. There are no conflicts of interest in relation to the fishery under assessment.</p> <ul style="list-style-type: none"> - Dr. Sophie des Clers <p>Sophie is an independent scientific expert in fisheries management systems. She is a qualified MSC auditor and a member of the MSC peer review college. She has over 30 years' experience in the formulation, monitoring, and evaluation of fisheries and aquaculture projects to build management capacity in the public and the private sector. Sophie is trained in databases, applied statistics, population dynamics, economics, law and public policy and has a PhD in Biometrics and a Master's degree in Public Policy. Her past research and consultancy projects have taken her to fishing ports around the UK, EU, Norway, Africa, the North Sea, Mediterranean, Atlantic, Pacific, Indian oceans and the Caribbean. She has been involved in a number of previous MSC assessments and pre-assessments including lobster, cod, haddock, saithe, sole, herring, blue whiting, sardine, whelks (within the EU) and tuna and billfish fisheries. Sophie meets the following competency criteria in Table PC3: Fishery management and operations. She has also completed the required Fishery Team member MSC training modules for the V2.0 Fisheries Certification Requirements. Sophie will be responsible for the assessment of Principle 3. There are no conflicts of interest in relation to the fishery under assessment.</p>
9	Stakeholder opportunities
	<p>Stakeholders are encouraged to provide comments on the Announcement Comment Draft Report (ACDR) published on the MSC website for this fishery. Written submissions must be made through the "MSC Template for Stakeholder Input into Fishery Assessments v3.0" available for download here: https://www.msc.org/for-business/certification-bodies/supporting-documents/1.</p> <p>All team members will be available to meet with stakeholders either in person or remotely during the site visit, which is currently scheduled for the week of the 14th October 2019 in Le Port, Réunion.</p> <p>Please note that CU Pesca will accept stakeholder input only if submitted using the aforementioned template, or if raised at the site visit (in person or remotely).</p>
10	Assessment tree to be used
	The default assessment tree will be used for this assessment.
11	Estimated timeline
	A predicted timeline is provided below, please note that a separate assessment timeline for this assessment is also available on the MSC website.

	<ul style="list-style-type: none"> - ACDR publication and announcement: 8 August 2019 - Site visit: 14 – 18 October 2019 - Client & Peer Review Draft Report (C&PRDR) publication: January 2020 - Public Comment Draft Report (PCDR) publication: March 2020 - Final Report (FR) publication: April 2020 <p>Certification decision: May 2020</p>
12	Site visit
	<p>All members of the CU Pesca assessment team will be available to meet stakeholders either in person or remotely during the site visit, which is scheduled to take place between the 14th and 18th October in Le Port, Réunion.</p> <p>CU Pesca would like to encourage any stakeholder with knowledge relating to this fishery to participate in the site visit meetings, be it in person, or remotely.</p> <p>A key purpose of the site visit is to collect information and to speak to stakeholders with an interest in the fishery. For those parts of the assessment involving the MSC's RBF see http://www.msc.org/about-us/standards/methodologies/fam/msc-risk-based-framework, Please note we will be using a stakeholder-driven, qualitative analysis during the site visit. To achieve a robust outcome from this consultative approach, we rely heavily on participation of a broad range of stakeholders with a balance of knowledge of the fishery. We encourage any stakeholders with experience or knowledge of the fishery to participate in these meetings. (FCP v2.1 7.12.3 and Annex PF2.3.2)</p>

CU Pesca would like to welcome anyone who would like to participate in the site visit. All interested stakeholders are encouraged to contact Chrissie Sieben (csieben@controlunion.com) or Henry Ernst (Hernst@controlunion.com) by email, telephone or post at the below number and address:

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Should any stakeholder wish to meet the team in person, this can be arranged. Remote meetings can also be arranged via telephone conferencing or Skype, or written submissions made to the above mentioned email addresses.

Please note that comments should be factual and should be supported by data or other evidence. Comments may remain unattributed. Furthermore, information that cannot be shared with any other stakeholder will not be referenced in the assessment and cannot be used in determining the outcome of the fishery's assessment nor used as a basis for an objection. Information can be kept confidential if it is restricted to financial transactions about certification, the financial affairs of individual companies or information that may lead to this information being

known, or information that is the subject of relevant national privacy or data protection legislation in the assessed fishery's country.

Submitted by: Charlotte Todd

Date: 8th August 2019

Deadline for stakeholder comment: 6th October 2019 at 17:00 GMT

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

Chrissie Sieben

1. Family name: Sieben
2. First name: Chrissie

Institution (date from - to)	Degree(s) or Diploma(s) obtained:
University of Wales, Bangor, UK (2005 – 2007)	MSc in Marine Environmental Protection (distinction) Thesis: Ciguatera Fish Poisoning in Rodrigues, Indian Ocean: the distribution of three genera of ciguateric dinoflagellates in relation to coral reef substrata and some environmental conditions.
L'Université de la Méditerranée, Marseille, France (2004 – 2005)	1st year of two-year M.Sc. degree in Oceanography, specialty Marine Biology and Ecology
L'Université de la Méditerranée, Marseille, France (2003 – 2004)	Licence in Biology of Marine Organisms
Université Pierre et Marie Curie, Paris VI, France (2001 – 2003)	DEUG Sciences de la Vie et de la Terre
Koninklijk Atheneum III, Ghent, Belgium	Secondary Diploma

6. Language Skills: Indicate competence on a scale of 1 to 5 (1 excellent - 5 basic)

Language	Reading	Speaking	Writing
English	1	1	1
Dutch / Flemish (native)	1	1	1
French	1	1	1
Spanish	3	5	5

7. Present position: MSC Fisheries Scheme Manager, Control Union Pesca (formerly ME Certification Ltd. from 2015 – 2018; MacAlister Elliott & Partners prior to 2015)
8. Years with firm: Sept 2010 to Dec 2018
9. Key qualifications:
 - Proven ability in developing and managing MSC fisheries accreditation and fisheries scheme with over 40 fisheries in portfolio
 - Experienced Marine Stewardship Council (MSC) Fisheries Team Leader (FCR v1.3, v2.0)
 - Experienced MSC Principle 2 (ecosystem) assessment of industrial and small-scale/artisanal demersal and pelagic fisheries worldwide; application of Risk-Based Framework
 - MSC and FAO-RFM Chain of Custody assessment
 - Regular participant in MSC calibration, consultation and policy development workshops
 - Sustainability assessments as part of Fishery Improvement Projects (FIPs)
 - Application of WWF Common Fisheries Methodology

- Marine ecological baseline and impact studies for Environmental Impact Assessments (EIAs)
- Socio-economic characterisation and impact assessment of commercial fisheries for Environmental Impact Assessments (EIAs) for wind farms and dredging operations.
- Data processing and analysis: proven analytical skills with knowledge of univariate and multivariate statistics applied to ecological and fisheries economic data.
- Data collection: marine ecological surveys (fisheries, plankton and benthic)
- Fisheries stakeholder communication and consultations
- Experience as project development consultant for UNDP/GEP International Waters projects
- Proven report writing (peer reviewed assessment reports, EIAs, technical proposals and tender responses)
- Computer – Fully computer literate in Microsoft Office (Word, Excel, Powerpoint, Outlook); Adobe Acrobat; Statistical packages Primer and Minitab; FileMaker (database software); GIS packages MapInfo and ArcView. Proficiency with Windows and Mac OS
- Other skills: Personal Survival Techniques Certificate (STCW 95 A-VI/1-1) – Warsash Maritime Academy (obtained 08/2009). PADI open water advanced diver.

10. Regional experience:

Region	Country	Date from - Date to
Europe & CIS	Slovak Republic	2007
	United Kingdom	Since 2008
	France	Since 2011
	The Netherlands	Since 2011
	Belgium	Since 2005
	Denmark	Since 2011
	Germany	Since 2011
	Sweden	Since 2013
	Republic of Ireland	Since 2013
	Greece	2003
West Africa	Senegal	2012
Indian Ocean	Reunion	Since 2015
	Mauritius	Since 2017
	Rodrigues	2006
	Madagascar	2018
Western Central Pacific	Cook Islands	Since 2013
	French Polynesia	Since 2016
	Federated States of Micronesia	Since 2018

11. Professional experience record (most recent experience)

Date from – to	Location	Company / Project	Position	Description
Sept 2010 – Dec 2018	United Kingdom	Control Union Pesca ME Certification Ltd. MacAlister Elliott & Partners	MSC Fisheries Scheme Manager	Overall responsibility for MSC Fisheries Accreditation and Scheme. Role included: - Expertise in application of MSC fisheries standard. Team Leader and Principle 2 assessor for pelagic and demersal fisheries worldwide – see below. - Key responsibility for French and Dutch-speaking fisheries portfolio - Management and training of in-house fisheries assessment team - Responsibility for lifecycle of fisheries certification projects, MSC pre-assessments and Fishery Improvement Projects (FIPs) - Responsibility for MSC fisheries accreditation; lead role in addressing ASI non-conformities; appeals procedures - Responsibility for running of fisheries scheme: internal procedures, templates, database - Business development (client contact, budgeting, identification of MSC fisheries business development strategies). Oversaw expansion of MSC fisheries portfolio to 45+ fisheries - Liaison with a diverse range of clients, stakeholders and the MSC and Accreditation Services International (ASI) - Quality control of project deliverables - Participation in MSC calibration, consultation and policy development workshops - Representation at trade fairs, conferences and other relevant business and scientific events (e.g. Brussels Seafood Expo, INFOFISH World Tuna Trade Conference and Exhibition)
Sept 2012 - ongoing	Worldwide	MacAlister Elliott & Partners Ltd. (MEP) Note : the MSC certification scheme at MEP became part of ME Certification Ltd in March 2015 and then Control Union Pesca in June 2018	MSC Principle 2 expert and/or Team Leader	Various MSC full assessments and surveillance audits on - Joint demersal fisheries in the North Sea and adjacent waters - SZLC, HNSFC & CFA Cook Islands EEZ south Pacific albacore and yellowfin longline - SZLC, HNSFC & CFA Federated States of Micronesia EEZ WCPO yellowfin and bigeye longline - French Polynesia albacore and yellowfin longline

Date from – to	Location	Company / Project	Position	Description
				<ul style="list-style-type: none"> - SARPC Toothfish fishery in Kerguelen and Crozet (TAAF EEZ) - Germany Lower Saxony mussel dredge and mussel culture - Basse Normandie Granville Bay whelks - Basse Normandy and Jersey lobster - From Nord North Sea and Eastern Channel pelagic trawl herring - From Nord North Sea and Eastern Channel trammel net sole - Scapêche roundnose grenadier, black scabbard fish & blue ling deep-sea fishery - PFA, DPPO, KFO, SPSP & Compagnie des Peches St Malo Northeast Atlantic blue whiting pelagic trawl - Netherlands blue shell mussel fishery - Mussel translocation into the Oosterschelde - Dutch Oyster Association oyster fishery - North Menai Strait mussel fishery - SFSAG North Sea cod - SPSP, DPPO, PFA, SPFPO & KFO Atlanto-Scandian purse seine and pelagic trawl herring - DPPO and DFPO North Sea herring - UK Fisheries/DFPU/Doggerbank saithe cod and haddock - UK Fisheries/DFPU/Doggerbank saithe fishery - Euronor, Scapeche and Compagnie des peches St. Malo saithe fishery - Euronor/Compagnie des Peches St Malo cod and haddock fishery
Sept 2010 – ongoing	Worldwide	MacAlister Elliott & Partners Ltd. (MEP) Note : the MSC certification scheme at MEP became part of ME Certification Ltd in March 2015 and then Control Union Pesca in June 2018	Principle 2 expert and/or Team Leader	Various MSC pre-assessments on - Shrimp, various species (western central Atlantic and Indian Ocean) - Glass eel (Indian ocean) - Octopus (Indian ocean) - rock lobster and slipper lobster (eastern central Atlantic) - deep sea species (northeast Atlantic)

Date from – to	Location	Company / Project	Position	Description
				<ul style="list-style-type: none"> - albacore, yellowfin, bigeye tuna, skipjack, bluefin longline, handline, pole & line, purse seine (Indian Ocean, Southwest Pacific, Mediterranean) - oyster (northeast Atlantic) - sole (northeast Atlantic) <p>Clients include private companies and eNGOs. Details are kept confidential</p>
Sept 2010 – 2014	United Kingdom	MacAlister Elliott & Partners	Fisheries consultant	<p>Technical support, project management and general backstopping to MEP projects. Key activities included:</p> <ul style="list-style-type: none"> - Contribution to project proposals and tender responses. - Application of WWF Common Methodology to wild capture and aquaculture fisheries, assessing biological, ecological and fisheries management components for WWF Hong Kong “good fish guide”. - Lead author on study into sustainable fisheries in the trilateral Wadden Sea (The Netherlands, Germany and Denmark). This study aims to assess Wadden Sea shellfish (mussel and cockle), shrimp and finfish fisheries from the perspective of the MSC and nature protection through the Habitats Directive and Natura 2000 and develop recommendations for sustainable fisheries. (Client: Wadden Sea Secretariat) - Socio-economic characterisation and impact assessment of commercial fisheries for proposed dredge disposal site off Harwich (Client: HR Wallingford) - Socio-economic characterisation and impact assessment of commercial fisheries for the proposed development of offshore windfarm Navitus Bay Wind Park (Client: Eneco & EDF Energy) - Fisheries Liaison to DP World with fishing industry and regulators in the context of a new deep-water container port London Gateway. Regular monitoring of Thames Estuary fisheries (demersal, pelagic and shellfish), management regime for inshore fleet (under 10m) and project impacts. Acquisition and statistical analysis of aggregated governmental fisheries economics data. Regular liaison with fishing community; frequent observer trips aboard commercial fishing vessels. Regular verbal and written communications with client; production of monthly Fisheries Liaison Reports. Production of monthly Fisheries Newsletter (for dissemination to the Thames Estuary fishing community) (Client: London Gateway Port)

Date from – to	Location	Company / Project	Position	Description
				<ul style="list-style-type: none"> - Commercial fisheries data analysis. Investigation of causality, eligibility and estimated loss. Drafting of recommendation for claim settlements to client and claimants. Regular on-site surveys of gear, landings and interviews and negotiations with fishermen. (Client: London Gateway Port) - Fisheries assessments and audits in France for Sustainable Eel Group (SEG) - Management of MSC Fisheries Scheme and participation in MSC full assessments, surveillance audits and pre-assessments – see above.
Dec 2009 – Sept 2010	United Kingdom	Freelance Marine Ecologist		<ul style="list-style-type: none"> - Contribution to and English-French translation of Technical Proposal: “Elaboration d’une stratégie de développement des Aires Marines Protégées (AMPs) aux fins de pêche au Maroc et la création des Aires Marines Protégées (AMPs) dans des sites pilotes”. (Client : MacAlister Elliott & Partners Ltd.) - London Gateway Project. Assessment of the sprat (<i>Sprattus sprattus</i>) fisheries in the Thames Estuary during pile driving for the London Gateway port construction. (Client : MacAlister Elliott & Partners Ltd.) - London Gateway Project. Analysis of fisheries landings data in the context of the LGP construction. (Client : MacAlister Elliott & Partners Ltd.) - Drafting of Project Information Form (PIF) and Project Preparation Grant (PPG) for Full Sized Project under the GEF Trust Fund “Integrated adaptive management of the West Bering Sea Large Marine Ecosystem in a Changing Climate” (Client: Global Environment Facility / UNDP)
Feb 2008 – Sept 2009	United Kingdom	Jacobs Engineering UK Ltd. (formerly Fawley Aquatic Research Laboratories Ltd.)	Aquatic Ecologist	<ul style="list-style-type: none"> - Marine ecological surveying (subtidal and intertidal fisheries surveys (otter/beam trawl; push-net), ichthyoplankton and zooplankton (bongonet, Gulf sampler), subtidal and intertidal benthic surveys (Day grab, intertidal core sampling). Screen and inlet sampling at power stations and desalination plants) - Marine taxonomy including UK coastal zooplankton, ichthyoplankton and fisheries ID. - Statistical Analysis (PRIMER and Minitab). Also participated in one-week PRIMER workshop at the Marine Biological Association of the UK, hosted by Dr. Bob Clarke. - Primary author on Environmental Statements for freshwater hydro-electric schemes, with particular emphasis on fish scheme passage rates.

Date from – to	Location	Company / Project	Position	Description
				<ul style="list-style-type: none"> -Contributed to environmental statements for coastal power station developments, desk-based studies and project tenders. -Monitoring of abstraction licences for power stations and waste incinerators. -Author of project HSE Plans, Method Statements and Risk Assessments. -Report editing, review and data quality control.
Feb 2007 – June 2007	Slovak Republic	Global Environment Facility / United Nations Development Programme for Europe & CIS	Internation al Waters / Water Governanc e Intern	<ul style="list-style-type: none"> - Development of UNDP Energy & Environment Project database for Europe and CIS. - Primary contributor to the development of project proposals for GEF/UNDP projects “Integrated Ecosystem Management of the West-Bering Sea Large Marine Ecosystem” and “Integrated Transboundary Watershed Management of the Baikal Lake Basin”. - Online “Programming for Results Management” course: business course adapted for the United Nations system. - Preparation of the Terms of Reference for the Outcome Evaluation of the UNDP Water Governance programme.
2002 – 2003	Greece	Archelon (Sea Turtle Protection Society of Greece)	Volunteer	Volunteering for loggerhead turtle (<i>Caretta caretta</i>) conservation project in Zakynthos and Crete, including field-based monitoring of nesting activities, hatching, nest excavations, data-analysis and public awareness raising.

Curriculum Vitae

Personal Details

Name	Johan Conrad Groeneveld
Nationality	South African

Research and Professional Interests

- Assessment and management of commercial fisheries
- Impacts of fishing on target and bycatch species and on the environment
- Ecosystems Approaches to Fisheries (EAF)
- Spiny lobster biology and ecology
- Connectivity and stock structure in the marine environment
- Socio-ecological systems in small-scale fisheries
- Scientific capacity development of scientists and technicians

Academic Qualifications

- | | |
|------------------------------------|---|
| • BSc (<i>cum laude</i>) | University of Stellenbosch; 1987–1989 |
| • BSc honours (<i>cum laude</i>) | University of Port Elizabeth; 1990 |
| • MSc | University of Port Elizabeth; 1991–1992 |
| • PhD | University of Cape Town; 1998–2001 |

PhD Title: Biology and ecology of the deep-water rock lobsters *Palinurus gilchristi* and *Palinurus delagoae* in relation to their fisheries

Employment record

June 2008 – date: Senior Scientist at the Oceanographic Research Institute, South African Association for Marine Biological Research, Durban, South Africa

November 2006 – February 2008: Specialist Scientist at the Marine Science and Fisheries Centre, Ministry of Fisheries Wealth, Muscat, Sultanate of Oman

April 1995 – September 2006: Fisheries Scientist at Marine and Coastal Management, Department of Environmental Affairs and Tourism, Cape Town, South Africa

Professional Experience

- In depth professional experience gained over 24 years of employment as a research scientist and fisheries manager by 2 governments and in the private sector. Focussed mainly on the impacts of commercial fisheries on target and bycatch species, and on the marine environment.
- Regular consultant for fisheries assessments against the Marine Stewardship Council (MSC) Principles and Criteria for Sustainable Fishing, including pre-assessments, full assessments and peer-review (see list below).
- Significant exposure in the international scientific community through collaborative projects, consultancies, conference contributions, symposia and workshops. Contributions to multi-national projects funded by the World Bank, UNDP, UNEP and the FAO-Nansen programme – roles in projects were as team member, leader or coordinator, project developer, or reviewer. Geographical focus area of most expertise is the Western Indian Ocean.
- Strong publication record in leading international journals, with 71 peer-reviewed papers. Member of the editorial boards of the journals 'Fisheries Research' and 'Western Indian Ocean Journal of Marine Science'. Regular peer-reviewer of articles for journals. Many technical reports produced, as a consultant to fishing industry and NGO's, and as reports to funding agencies.
- Supervision of post-graduate students at BSc Honours (2 students), Masters (11 students) and PhD levels (2 students).
- Member of the South African Association for Marine Biological Research (SAAMBR) and the Western Indian Ocean Marine Science Association (WIOMSA). Honorary Professor at the University of Kwazulu-Natal since 2010. Assessed by the National Research Foundation as 'Researcher who enjoy considerable international recognition by their peers for the high quality and impact of their recent research outputs (NRF B-rating)

Marine Stewardship Council experience

Date(s)	Organisation (e.g. CAB name or contractor)	MSC experience (e.g. name of fishery assessment, consultancy)	Role and main responsibilities (e.g. Team Leader, Team member (Principle 1/2/3), stakeholder, consultant etc.)
Jan 2019	Control Union Pesca (CUP)	Fish-for-Good pre-assessment of 9 South African Fisheries	Team member for East coast rock lobster fishery (P1 & P2); West Coast rock lobster fishery (P1 & P2); and Sardine targeted purse seine fishery (P2)
Feb 2018	ME Certification Ltd (MEC)	Bahamian Spiny Lobster Fishery	MSC full assessment; team member, Principle 1
Jan 2018	ME Certification Ltd (MEC)	French Polynesia albacore and yellowfin longline fishery	Peer reviewer
Dec 2017	ME Certification Ltd (MEC)	Fisheries at Fukuoka Prefecture and Shijiki Fisheries Coop	Pre-assessment: team member for octopus and slipper lobster fisheries
Jan 2017	ME Certification Ltd (MEC)	Southern Indian Ocean Saint Paul Rock Lobster Fishery	Pre-assessment: team member, Principle 1 and 2
Dec 2016	SCS Global Services	Australian western rock lobster fishery	Peer reviewer
May 2016	Acoura Marine Ltd	Canada Northern and Striped Shrimp Fishery	Peer reviewer
Nov 2015	South African Deep Sea Trawl Industry Assoc. (SADSTIA)	Feasibility study - Extension of Scope of existing MSC Certificate: Conditions and process	Consultant, feasibility study
Nov 2015	SADSTIA	Pre-assessment of monkfish (<i>Lophius vomerinus</i>) for extension of scope of existing MSC Certificate	Consultant, pre-assessment

Nov 2015	SADSTIA	Pre-assessment of kingklip (<i>Genypterus capensis</i>) for extension of scope of existing MSC Certificate	Consultant, pre-assessment
Feb 2015	Intertek Fisheries Certification (IFC)	South African hake trawl fishery	MSC full assessment; team member, Principle 3
Jan 2011	MacAlister-Elliott & Partners	Normandy and Jersey lobster fishery	Peer reviewer
April 2010	MacAlister-Elliott & Partners	Tristan da Cunha fishery for rock lobster <i>Jasus tristani</i>	MSC full assessment; team member, Principle 2

Marine Stewardship Council on-line training courses passed

Passed the following MSC online modules in the role of Fisheries Team Leader on 29th March 2017

- Code of conduct (F)
- MSC Fishery Standard and Fisheries within Scope Version 2.0
- Fisheries Certification process Version 2.0 9 (F)
- Scoring a Fishery Version 2.0
- Special Cases Version 2.0

Member of the MSC Peer Review College since 2018

Selected publications in the peer-reviewed literature

Have contributed 71 publications (incl. book chapters) to the peer-reviewed scientific literature in the fields of fisheries science and marine ecology. Five recent publications relevant to Marine Stewardship Council assessments are:

- Jordaan GL, Santos J, Groeneveld JC (2018) Effects of inconsistent reporting, regulation changes and market demand on abundance indices of sharks caught by pelagic longliners off southern Africa. *PeerJ*, 6, p.e5726.
- Everett B, Groeneveld JC, Fennessy S, Porter S, Munga CN, Dias N, Filipe O, Zacarias L, Igulu M, Kuguru B, Kimani E, Rabarison G, Razafindrakoto H. (2015) Demersal trawl surveys show ecological gradients in Southwest Indian Ocean slope fauna. *Western Indian Ocean Journal of Marine Science* 14: 73-92.
- Groeneveld JC, Everett BI (2015) Crustacean deep-water trawl fisheries: a retrospective analysis of their status in the Southwest Indian Ocean. Chapter 3 in *Offshore fisheries of the Southwest Indian Ocean: their status and the impact on vulnerable species*. Edited by RP van der Elst and BI Everett. Special Publication No 10. Durban: South African Association for Marine Biological Research. pp 68-119.
- Groeneveld JC, Everett BI, Fennessy ST, Kirkman SP, Santos J, Robertson WR (2013) - Spatial distribution patterns, abundance and population structure of deep-sea crab *Chaceon macphersoni* based on complementary analyses of trap and trawl data. *Marine and Freshwater Research* 64(6): 507-517.
- Groeneveld JC, Kirkman SP, Boucher M, Yemane D (2012) – From biomass mining to sustainable fishing – using abundance and size to define a spatial management framework for deep-water lobster. *African Journal of Marine Science* 34(4): 547-557.

1. **Family name** DES CLERS
2. **First names** Sophie, Alexandra

6. Education

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
1985 Université Lyon I, France	PhD in Biometrics (Quantitative Ecology) Sept. 82-Sept.85 Docteurat de Biométrie, Mention Très Honorable
1998 University College London, UK	MSc in Public Policy, University College London Dept. of Economics (European Law and Institutions, Public Policy, Machinery of Government, Judicial Review, Microeconomics, Econometrics, European Environmental Policy,). Sept.97-Sept.98
1978 Université Paris 6, France	Post-graduate degree in Quantitative Ecology Sep.77-Sept.78, Diplôme d'Etudes Approfondies, Université Paris 6, France
1978 International Institute for Applied Systems Analysis, Laxenburg, Austria	Post-graduate Summer School in Systems Analysis Jul.78-Sept.78
1977 Université Paris 7, France	Post-graduate and graduate degrees in Natural Sciences Sept.72-Aug.77 Maîtrise ès Sciences Naturelles

7. Language skills (competence on a scale of 1 to 5: 1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
French	1	1	1
Spanish	2	4	5

8. **Membership of professional bodies:** International Institute for Fisheries Economics and Trade (IIFET); Ecological Economics Society; Fellow of the Royal Geographical Society

9. **Other skills:** Computer literate Microsoft Word, Excel, Powerpoint, Access; UNDSS (United Nations Department of Safety and Security) Basic Security in the Field II (BSITF II) and Advanced Security in the Field (ASITF) training courses completed in August 2016; MSC Program Manager Training modules for the Code of Conduct and MSC Fishery Standard and Fisheries within scope, certification process, scoring and special cases, FCR version 2.0, RBF v2.0, Traceability V2.0, completed Feb. 2015 and January 2018.

10. **Present position:** Independent Consultant since 1992

11. Key qualifications

- Experienced Team leader; 30 years of combined research, consultancy, and project management experience in fisheries development, policy, governance and management;
- Technical expertise in fisheries socio-economics and ecosystem approach, management advice to government and private sector fishery businesses;
- Auditor for Marine Stewardship Council (MSC) standard of Sustainable Fisheries (V2.1) specialising in Principle 3 – Fisheries Management System, Team leader and ISO 19011 qualified (2019);
- In-depth knowledge of logical framework approach to project life cycle management, identification, formulation and ex-ante/ex-post evaluation of fisheries management intervention projects;
- Expert witness in two Court cases relating to fisheries management and fishing rights allocation (2000 and 2002);
- Bi-lingual English and French, highly quantitative and computer literate, excellent command of spoken and written technical English and French, excellent public presentation and inter-personal skills.

12. Fisheries and Aquaculture Advisory Committees

- ▶ 2011-13 – England: Inshore Fisheries and Conservation Authority (Statutory body in charge of Inshore (0-6 nautical miles) Fisheries management – IFCA, Kent & Essex, England;
- ▶ 2000-2 – California Squid Management Committee (State Committee), Santa Cruz, USA;
- ▶ 1999 – European Advisory Council for Fisheries and Aquaculture – ACFA, European Commission, Brussels, Belgium.

13. Detail of Marine Stewardship Council (MSC) certification audits from 2009 to 2019 (P3 specialist - certification; team leader for some – all reports available from www.fisheries.msc.org)

Fishery MSC name	Audit type	Date Report published	Role
Basse Normandy Granville Bay - Whelk	Certification	12/09/17	TM - Team Member
CPStM & Euronor Cod and haddock	Certification	19/04/12	TM - Team Member
Euronor & CPStM Cod / haddock	Re-certification	13/10/17	TM - Team Member
FROM Nord NS and Eastern Channel trammel net sole	Certification	03/05/16	TM - Team Member
Normandy & Jersey Lobster	Certification	23/06/11	TM - Team Member
Normandy & Jersey Lobster	Re-certification	10/11/16	TM - Team Member
PFA, DPPO, KFO, SPSG and CPStM NA Blue Whiting	Certification	11/02/16	TL - Team Leader
SARPC Kerguelen toothfish	Certification	03/09/13	TM - Team Member
SARPC Crozet toothfish	Exp. scope extension	20/12/16	TL - Team Leader
SARPC Kerguelen and Crozet toothfish	Re-certification	On-going	TL - Team Leader
SFSAG - North Sea trawl and seine Haddock	Re-certification	16/05/16	TM - Team Member
SFSAG Saithe	Certification	03/10/13	TM - Team Member
South Brittany sardine purse seine	Certification	30/07/10	TM - Team Member
South Brittany sardine purse seine	Re-certification	19/01/17	TM - Team Member
UK Fisheries, DFFU & Dogger Bank Saithe	Certification	04/01/11	TM - Team Member
UK Fisheries/DFFU-Doggerbank NEA cod, haddock and saithe	Certification	03/05/12	TM - Team Member

Several MSC standard fisheries pre-assessments (Principles 1, 2 and 3), including for tuna and tuna-like fisheries (2016, 2017 and 2018), and a Fisheries Improvement Plan (FIP) for the deep-water shrimp fishery in Senegal (2016).

14. References

Dr Hugh Jones, CU-Pesca Ltd, HJones@controlunion.com (for MSC audits); Jean-Pierre Silva, Cofrepêche, jp.silva@cofrepeche.fr; Dr Ian Goulding, MD Megapesca, megapesca@gmail.com; Xavier Vincent, World Bank, xvincent@worldbank.org.

15. Professional experience

Year from - Date to	Mon ths	Location	Company & reference person (name & contact details)	Position	Description
2019 since 2009	01 -	North East Arctic, North Sea, Atlantic, Indian Ocean, Southern Ocean	Control Union Pesca (was MEC - MacAlister Elliot Certification Ltd., UK) HJones@controlunion.com	Fisheries Sustainability Auditor	MSC fishery sustainability pre-assessment, and certification audits according to Marine Stewardship Council standards (>20 fisheries)
2019	04	Madagascar	Marine Stewardship Council	Trainer	Delivery of MSC one-week Level 2 training programme to government, NGOs and

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Year from - Date to	Months	Location	Company & reference person (name & contact details)	Position	Description
					private sector experts from Madagascar, Comoros and Seychelles.
2018	10-12	SWIO	FAO-TCIA for World Bank, jmillion@worldbank.org	Economics expert	Updated Economic and Financial justification for restructured SWIOFish1 project (Comoros, Tanzania and Mozambique).
2018-19	07-07	Mozambique	Océanik Développement c.renaud@oceanic-dev.com	Economics expert	Study 3 – Study for a long-term sustainable financing regarding the MSC industrial, semi-industrial and small-scale fisheries.
2019	01	Senegal	Marine Stewardship Council	Trainer	Delivery of MSC one-week Level 2 training programme to government and private sector experts from Senegal, Mauritania and Guinea-Bissau
2018	07	Dakar, EU-Senegal	MRAG Ltd, c.mees@mrage.co.uk	Report editor	Collation and edition of the Joint Scientific Committee report: EU- Senegal Sustainable Partnership Agreement (SFPA)
2018	05	UK	Matis, Iceland	External Reviewer	Participation and feedback for EU-funded FARFISH project on EU-SFPA around the world, 1 st annual conference.
2018 also 2010 and 2015	01-03	France	Bureau Veritas - France	Fisheries Sustainability Auditor	MSC fishery sustainability assessment and certification according to Marine Stewardship Council standards (2 fisheries)
2017	12	World	Cofrepêche, France jp.silva@cofrepeche.fr	Team member and coordination	Team of three, sustainability and potential returns on fishing fleet investments (French Investment Bank - Caisse des Dépôts)
2017	10	Canary Islands (Spain) EU-Mauritania	MRAG Ltd, c.mees@mrage.co.uk	Report editor	Collation and edition of the Joint Scientific Committee report: EU-Mauritania Sustainable Partnership Agreements
2016-17	10-03	Jamaica, St Lucia, Barbados, Trinidad, Suriname	EU-funded SPS project through IICA Megapesca Lda, Dr. Ian Goulding, MD megapesca@gmail.com	CBA Expert	Cost-Benefit analysis (CBA) of compliance with WTO Sanitary and Phytosanitary Standards (SPS) systems at national public and private sector levels for agri-food products in 15 CARIFORUM countries.
2016-17	09-02	Seychelles	FAO-TCIA for World Bank, bgarnaud@worldbank.org	Budgeting and Financial Analyst Specialist	SWIOFish3-Seychelles Contribution to project synthesis of costs and preliminary COSTAB budget, economic et financial analysis.
2016-17	04-05	Mauritania	Odyssée Développement, Widman@Odysseedev.com	Expert Fisheries Economics	Strategic planning for Nouadibou Free Zone Fishing Port Hub, fisheries expert.
2016	04	Senegal	Indemar, Project ADUPES, a.tiana@indemar.es	Expert Eco-certification and FIP (Fishery improvement Plan)	Update of pre-assessment, Action Plan and budget towards an MSC certification of the Senegal deep-water shrimp fishery
2016	02	Madagascar	FAO-TCIA for World Bank, xvincent@worldbank.org	Budgeting and Financial Analyst Specialist	SWIOFish2-Madagascar Contribution to synthesis of costs and COSTAB budget, economic et financial analysis.
2015	05-12	EU – EC DG MARE	Cofrepêche jp.silva@cofrepeche.fr	Team Leader and economist	Analysis of the economic dynamics of the EU tuna fleet operating within RFMO or Fisheries Partnership Agreements (FPA)
2015	07	Madagascar	FAO-TCIA for World Bank, xvincent@worldbank.org	Budgeting and Financial Analyst Specialist	SWIOFish2-Madagascar Contribution to project formulation, synthesis of costs and preliminary COSTAB budget, initial economic et financial analysis.
2014-15	11-03	SWPO – South West Pacific Ocean	Cofrepêche jp.silva@cofrepeche.fr	Team Leader; Training workshop conception, facilitation and delivery.	ACP-EU Technical Barriers to Trade (TBT) Programme - Development and implementation of eco-labelling schemes in the fish sector for Vanuatu and the Pacific Region (visits to Vanuatu, PNG and Solomon Islands) and 4-day training workshop. Team of two.

Year from - Date to	Months	Location	Company & reference person (name & contact details)	Position	Description
2015	02	France, UK	Kellow Learning for GAP2 EU-project, NWWRAC, WWF-UK	Workshop co-facilitator	2-day Workshop to initiate the development of a joint UK-French Channel (ICES area VIIe-d) Scallop management plan, contribution to conception and delivery (50 participants) 11-12 February 2015, Port-en-Bessin.
2014	08-09	Desk study – WCPO – West Central Pacific Ocean	MacAlister Elliot & Partners, UK Chrissie.Sieben@macalister-elliott.com	Fisheries Sustainability Auditor	Contribution to Pre-assessment reports according to MSC standard of West-central Pacific Ocean Tuna longline fisheries (yellowfin, Bigeye and albacore) – Principle 2 – Ecosystem and Principle 3 – Management systems.
2014	04	UK, France	Kellow Learning for GAP2 EU-project, NWWRAC, WWF-UK	Workshop co-facilitator	2-day Workshop to initiate the development of a joint UK-French Channel (ICES area VIIe-d) Scallop management plan, contribution to conception and delivery (55 participants) 15-16 April 2014, Brixham Devon.
2013-14	11-07	Tanzania	FAO-TCIA for World Bank, aglauber@worldbank.org	Economist and Financial Analyst Specialist	SWIOFish-Tanzania project formulation and costing, COSTAB, economic and financial analysis.
2013-14	10-06	Mozambique	FAO-TCIA for World Bank, xvincent@worldbank.org	Budgeting and Financial Analyst Specialist	SWIOFish-Mozambique project formulation and costing, COSTAB, economic and financial analysis.
2013	05-07	Comoros	FAO-TCIA for World Bank, xvincent@worldbank.org	Economist	SWIOFish-Comoros project formulation and costing, COSTAB, economic and financial analysis.
2013	05	Comoros	FAO-TCIA for World Bank, xvincent@worldbank.org	Institutional analyst	Review of the Institutional Arrangements for the Fisheries Sector in the Union of Comoros
2013		EU DG-ENV	Megapesca Lda, Dr. Ian Goulding, MD megapesca@gmail.com	Expert	Marine Strategy Framework Directive (MSFD) Article 12 assessment- Topic Lead for Commercial Fisheries descriptor and indicators D3, review of National expert reports on member states submissions, for adequacy, consistency and coherence.
2013	08-12	Africa	FAO- Office of Evaluation (OEDD), Tullia Aiazzi, Tullia.Aiazzi@fao.org	Team Leader	Final evaluation of the first phase of the EAF-Nansen project: strengthening the knowledge base for and implementing an ecosystem approach to marine fisheries in developing countries (GCP/INT/003/NOR). Team of three, Visits to FAO-HQ, IMR-Bergen, Ghana, Senegal, Sierra Leone, South Africa (Benguela Current Commission meeting) and Mozambique.
2013	02-08	SWIO - South West Indian Ocean	FAO-TCIA for World Bank, xvincent@worldbank.org	Fisheries Economist, team member	Project preparation: South West Indian Ocean Fisheries Governance and Shared Growth Project in the South West Indian Ocean (SWIOFish World Bank P124338), through World Bank funded South West Indian Ocean Fisheries Project. Economic analysis of project expected benefits.
2012	09-12	Indian Ocean and continental Africa	EU Delegation Mauritius, through Megapesca Lda / Dr. Ian Goulding, Managing Director megapesca@gmail.com	Team Leader	Mid-term evaluation and Phase II formulation of SmartFish, an EDF project to support an Integrated Fisheries Regional Strategy in the 20 member states of the Eastern and Southern Africa and Indian Ocean ACP region, visits to Mauritius, Burundi, Kenya, Madagascar, Seychelles, Tanzania, Uganda, Zambia
2012		UK	WWF Scotland, Dr M. Thom	Consultant	Review of the Scottish Conservation Credit Scheme
2012	04-08	Caribbean	EU-ACP FISH II, Sofreco Guillaume.ROMAIN@sofrec o.com	Team member, in charge of St. Vincent and the Grenadines	Support to formulate a fisheries and aquaculture policy for the Commonwealth of Dominica, Grenada, and St. Vincent and the Grenadines. ACP Fish II – Strengthening fisheries management in ACP states.

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Year from - Date to	Months	Location	Company & reference person (name & contact details)	Position	Description
2011-12		UK	European Fisheries Fund	Consultant and MD	GreenFishers website to showcase sustainability initiatives by the fishing industry – initially under-10m vessels in England
2011	09-12	Algeria	EU Delegation Algiers, Megapesca Lda, Dr. Ian Goulding, Managing Director, megapesca@gmail.com	Team Leader	Formulation of DIVECO II, an EU-aid project to support the diversification of economics activities by the sustainable development of the Fisheries and Aquaculture sector and value added
2011	01-07	Montenegro	EU Delegation in Podgorica, Agrotec spa M. Girelli girelli@agrotec-spa.net	Team Leader and Socio-economic expert	Socio-economics expertise for the Sustainable Management of Marine Fishery in Montenegro: Procedures for the Fisheries Management Council and baseline socio-economics survey of marine and freshwater fisheries sectors, questionnaire design and data analyses,
2011		EU European Parliament	Study IP/B/PECH/IC/2010-157, IEEP, Institute for European Environmental Policy London UK (sub-contractor) I. Lutchman ilutchman@ieep.eu	Consultant	Study on Perspectives for the new European Maritime and Fisheries Fund. Sub-contractor leading and completing mini-evaluation of 26 NOPS; developing stakeholder questionnaire; main contributor to analyses of survey results, technical review of FIFG ex-post, EFF ex-ante and mid-term evaluations, and providing technical expertise where required on the evaluation of the options for the EFF post 2013.
2010	12	Turkey	Turkish Ministry of Fisheries, Agrotec spa girelli@agrotec-spa.net	Consultant	Fishery Economics, Workshop presentation to Fisheries Ministry agents and officials
2010	05	France	Agence Nationale de la Recherche	Research project evaluator	Home-based
2011	10	UK	Thames Estuary Partnership	Workshop facilitator	"Being shouted at" Stakeholder relations training for English water company staff. One-day workshop collaborative conception and delivery (25 participants).
2010	08	EU	OECD Gunnar.Haraldsson@oecd.org	Consultant	Economic evaluation of Fisheries Rebuilding Plans: Mediterranean bluefin tuna recovery plan. Chapter author.
2009-10	11 - 04	UK Falkland Islands	Department of Fisheries, Falkland Islands, Hagrannsóknir og Ráðgjöf e.h.f., Seltjarnarnes – Iceland (R. Arnason ragnara@hi.is)	Consultant	Resource rent review for Falkland Islands Fisheries Department and Falkland Islands Fishing Companies Association. Economic data collection, processing and evaluation.
2009-10	07 - 01	UK	Seafish (Sea Fisheries Industry Authority), M Gray, m_gray@seafis.co.uk	Consultant	Extension of the FisherMap protocol to include social and economic data, Seafish Industry Authority. Project conception, management and delivery including training session for the Marine Conservation Zones staff.
2009-10	01 - 01	UK Greater Thames Estuary	(Defra), MEP Consultants Ltd (D. Elliott, mep@macalister-elliott.com)	Consultant	Socio-Economic appraisal of the coastal fisheries sector. Team leader in charge of survey design, data analysis, and report MEP Ltd. Defra Fisheries Challenge Fund.
2009		EU	Institute for European Environmental Policy (IEEP), I. Lutchman	Consultant	Institute for European Environmental Policy (IEEP), CFP Health check - Health check of the Structural policy, Report chapter on fishing capacity indicators
2009		UK Falkland Islands	Local Fishing Company	Consultant	Expert review of fisheries assessment of grenadier deep-water fishery, Private client.
2009	07	EU	Ifremer France, Dr P. Lorange Pascal.Lorange@ifremer.fr	Consultant	Deepfishman FP7-funded research project on the management of European deep-water fisheries. Stakeholders identification and communication strategy, Ifremer

Year from - Date to	Months	Location	Company & reference person (name & contact details)	Position	Description
2009		EU	Seas at Risk, Belgium. (M. Verbeek mverbeek@seas-at-risk.org)	Consultant	Seas at Risk Conference, background paper and Conference presentation on the European fleet over-capacity
2000 - 2009		EU	ACP et INCO-DEV et INCO-MED (C. Nauen Cornelia.Nauen@ec.europa.eu)	Evaluator	Research proposal evaluator
2008-09 and 2015	01 - 06	France	Bureau Veritas	Fisheries Sustainability Auditor	MSC fishery sustainability assessment and certification according to Marine Stewardship Council standards, esp. Principle 3: Effective Management system. Re-certification in 2015-16.
2008	05 - 11	England	Leigh Port Partnership (P. Wexham, clirwexham@southend.gov.uk)	Advisor	Independent expert regarding the development of the local fishing port and impact of London commercial container port development and dredging
2007-08	12 - 11	England and Wales	Environment Agency. (Dr. H Orr harriet.orr@environment-agency.gov.uk)	Team Leader	National Water Temperature Archive and analysis of climate change in rivers, lakes and estuarine ecosystems in England and Wales. Team leader in charge of data sourcing, analyses and reporting, Environment Agency, Ensis Ltd.
2007 - 2008	09 - 12	Devon, Dorset and Somerset, UK	Finding Sanctuary (Natural England)	Consultant	Expert advice to FisherMap, a Finding Sanctuary project to record fishermen's use of the sea and local knowledge. Expert advice on data collection, map synthesis and stakeholder engagement protocol.
2007		Rome, West and Central Africa	FAO /DfID	Consultant	Interactions between the Oil & Gas industry activities and Sustainable Fisheries Livelihood in 25 countries of West and Central Africa: Policy Information analysis, and management and mitigating recommendations (3 months). Expert Report (desk study) to Sustainable Fisheries Livelihood Programme UN-FAO and DFID.
2007		EU-World	IPCC	WG II Corresponding author	4th Assessment - IPCC Fisheries and Aquaculture Socio-Economics: Impacts, Mitigation and Adaptation (World Ch. 5 and Europe Ch. 12)
2006 - 07	07 - 01	Senegal, Gabon, Mozambique, Uganda, Fiji and New Caledonia	EC-AIDCO; Poseidon ARM Ltd. Richard Banks, Director Richard@consult-poseidon.com	Team Leader	Complementary Feasibility Study for ACP-FISH II, a project to strengthen Fisheries Management capacity in ACP countries. Update of all key documents to reflect budget increase to €5million, field visits to Senegal, Gabon, Mozambique, Uganda, Fiji and New Caledonia. Team leader, in charge of social and environmental aspects, team of three with economist and knowledge base experts.
2006	05 - 07	Senegal	EU DG-DEV and EU Delegation in Dakar	Team Leader, team of three	Final evaluation of PAPA-Sud co-financed by AFD, a 5-year project in support of artisanal fisheries south of Dakar (including Saloum and Casamance, 7 weeks). Team leader, in charge of socio-economic evaluation, team of three with infrastructure and training experts. EC delegation in Senegal.
2006		UK EEDA	East of England Development Agency; Poseidon ARM Ltd. Richard Banks, Director Richard@consult-poseidon.com	Consultant	Fishing Strategy and management recommendations for the East of England region. Part of team of three in charge of environment, catching, processing and marketing sector SWOT analyses and recommendations (2 months).

Year from - Date to	Months	Location	Company & reference person (name & contact details)	Position	Description
2005 - 2006		OECD High Seas Task Force	Poseidon ARM Ltd. Richard Banks, Director Richard@consult- poseidon.com	Consultant	Benefit cost analysis of integrating the High Seas Fishing Vessel information scheme with the Equasis Merchant Marine Vessel database. Team of two, in charge of SWOT analysis and Data information systems with
2005	09	UK	Finding Sanctuary (Natural England, Exeter) UK.	Consultant	Expert - Conception and delivery Marine Stakeholder Knowledge Training Workshop on the collection of local ecological knowledge to inform the choice of Marine Protected Areas in the SW of England (September).
2005	06	Senegal	IUCN/ WWF	Consultant Programme PRCM	Negotiation Capacity building Workshop (2 days) and Training day – Information needs, role play and logical framework for future R&D programme and improved fisheries management. Joint Team leader in charge of delivery with international legal expert, the World Conservation Union IUCN and West African Regional sub-regional Fisheries Commission (CSRP - 7 countries).
2003 - 2005		EU	EU - PECHDEV- Research Project FP5	Scientific consultant	PECHDEV-FP5 Integration of environment constraints in CGE model of regional economic development in EU fisheries-dependent regions: Project partner, in charge of Work Package linking Ecology with regional economics. Research Framework 5. Uni. Portsmouth Lead Partner, EU - EC Fish Directorate General.
2004		UK	Leigh Port Partnership and Southend Borough Council (Essex) UK Local authorities	Consultant	Leigh-on-Sea Sustainable Fishing Port development, stakeholder consultation and representation at Public Enquiry for London Port development. Expert Advice
2003		UK	Port Authority - Harwich Haven Authority	Consultant	Harwich Fisheries Ecosystem Description and Monitoring: Development of ecosystem description and monitoring framework for and with local fishermen in the wake of the proposed Bathside Bay container port development. Port Authority (Harwich Haven) UK.
2002		UK South Georgia (Antarctica)	Thomas Cooper & Stibbard, Maritime Lawyers, London.	Expert	Expert to the High Court in the Quark Fishing case regarding the procedure for Toothfish fishing licensing and management measures operated by Her Majesty's Foreign Office in South Georgia (Antarctica).
2002		EU	European Commission, Birdlife Intl.-WWF	Consultant	Independent representative for the Environment at the EC Advisory Committee for Fisheries and Aquaculture during the reform of the Common Fisheries Policy. Environmental NGOs (WWF-Europe, RSPB-European Policy), EC – Brussels.
2001		EU, World	IPCC	WG II Corresponding author	3rd Assessment - IPCC Working Group II, Fisheries and Aquaculture Socio-Economics Chapter 5 (World) and Chapter 10 (Europe).
2001		EU	EC Research DG, Brussels Belgium	Rapporteur and report editor	New Concepts and Indicators in Fisheries and Aquaculture. Workshop
2001		UK, Ireland, France, Netherlands	Thames Estuary Partnership-EC Interreg II project	Consultant	Port-Cities project Coordination of the case studies delivery for the Sustainable Development of Port-Cities project (partner ports: Rotterdam-industrial ecology, Cork, Dunkirk-Environmental Management Systems,

Year from - Date to	Months	Location	Company & reference person (name & contact details)	Position	Description
					Le Havre-Environmental regulations, Rouen-integrated planning).
2001		EU	EC Framework 5 Research, Montpellier, France.	Expert	AXES workshop presentation in Montpellier (France). Invited presentation: Environmental externalities linked to the fisheries and aquaculture sector at regional level.
2001		UK	Thames Estuary Partnership (CE-Interreg II)	Consultant	Survey of the Greater Thames Estuary Fisheries Knowledge, based on interviews and meetings with commercial fishermen along the coasts of Kent and Essex. Essex Estuaries Initiative (Colchester Borough Council), UK.
2001		UK	UK Fisheries Ministry - Defra, Poseidon ARM Ltd	Consultant, team of three	Fish prices and electronic auctions. Analysis of Government price statistics and interviews of fishermen, fish salesmen, fish buyers and fish market agents around the UK and the EU: part of team of three, in charge of Nephrops and Scottish ports. MAFF Economic Research.
2001		World	IUCN/SSC Marine Turtle Specialist Group, USA.	Translator	Translation of the IUCN Handbook Research and Management Techniques for the Conservation of Sea Turtles (English into French, 235pp.).
2000		EU	EC DG Environment, WWF-UK	Consultant	Integrating Biodiversity and European Fisheries Policy: Rebuilding a healthy and productive ecosystem. Briefing Paper.
2000		UK Falkland Islands	Thomas Cooper & Stibbard, Maritime Lawyers, London.	Expert	Expert to the High Court in the Factortame case regarding damages owed by Her Majesty's MAFF to Spanish vessels operating in the Falkland Islands in 1989.
2000		EU	EC DG Environment	Expert	ACACIA Report chapter on the impact of climate change on European fisheries, within a multi-disciplinary team Concerted Action.
2000		EU	World Wide Fund for Nature – UK.	Consultant	Regionalisation of the EU Common Fisheries Policy: Report and briefing notes.
1999		Philippines	ICLARM	Resource person	FISHBASE Biodiversity Project Steering Committee. Manila.
1998		UK	Institute for European Environmental Policy (WWF – UK funding).	Expert	Financial Implications for Fisheries Recovery Plans. Research and Project report on the use of EU Structural Funds in the Scottish Highlands and Islands Fisheries Sector.
1998		Mauritania	Mauritanian Research Institute CNROP (FAO funding)	1 of 3 Workshop coordinator	Stock Assessment and Fisheries Management in the Mauritanian EEZ, Islamic Mauritanian Republic.
1998		UK	Marine Education and Conservation Trust.	Lead researcher	Analysis of the interactions between European, National and Local Fisheries Policies in the United Kingdom and their implications for fisheries management.
1998		UK	WWF – UK	Lead researcher	Feasibility of a greater local involvement in Fisheries' Management in the UK: Two case studies (Pittenweem, Scotland and Maryport, Cumbria). World Wide Fund for Nature.
1997		UK	Local Authority Fife Council, Scotland.	Lead researcher	Networking small fishing co-operatives through the internet: Feasibility study.
1997		Mauritania	Ministère du Plan, Fonds Stabex, Ifremer FR	Team Leader, team of six	Institutional strengthening of the Industrial Fisheries Directorate, Ministry of Fisheries, Mauritania. Mauritanian Ministry of Planning (EU STABEX fund).
1996		EU	WWF-UK	Consultant	Analysis of on-going structural adjustments of the European Fishing Fleet.
1996		UK-EU	WWF-UK	Consultant	Costs and benefits of the European bilateral Fisheries Agreements. Results presented to the House of Lords' European Affairs Committee,

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Year from - Date to	Months	Location	Company & reference person (name & contact details)	Position	Description
					highlighting potential efficiency improvements to the current policy.
1994-97		UK Falkland Islands	The Falkland Islands Government, Fisheries Department.	Fisheries advisor	Development of Fisheries Management models for the Falkland Islands Fisheries Department, covering the determination of allowable effort, catch quota and valuation of fishing licences.
1994		UK	Ministry for Agriculture, Food, and Fisheries (now DEFRA) and NERC	Lead researcher	Analysis of long term pike and perch population changes from Lake Windermere to establish the extent of long-term natural variations in UK freshwater fish populations.
1994		Vietnam	Private Fishing Group, desk study.	Consultant	Expert analysis of existing management measures and the commercial potential for the offshore shrimp fishery in the Vietnam Exclusive Economic Zone (EEZ).
1993		Mauritania	Ministère du Plan, Fonds Stabex, MRAG Ltd	Team Leader, team of three.	Expert in Strengthening of Mauritanian Fisheries Research Institute CNROP. Recommendations on the structure (including details such as staff pay packages) and research programming of the Institute. Mauritanian Ministry of Planning (EU STABEX fund).
1993		Mauritania	Ministère du Plan, Fonds Stabex, Maxwell Stamps, UK	Consultant, team of two.	Reform of Fisheries Sector fiscal system. Mauritanian Ministry of Planning
1992-96		Norway	Norwegian Fisheries Research Council (NFFR)	Lead researcher	Interactions between seals and fisheries in the Oslofjord, Norway, notably as a consequence of the viral epidemic that had killed two thirds of the seal colony in the region (5 years).
1992		UK	Scottish Office Agriculture, Fisheries and Food (now SEERAD).	Lead researcher	Analysis of fish disease prevalence rates in the North Sea (Development of a sampling strategy for parasite monitoring in Scottish cod).
1991		South-East Asia	Overseas Development Administration (now DfID), Aquaculture Programme.	Lead researcher	Statistical bases to detect infection and estimate prevalence in tropical aquaculture. Published as a Handbook of statistical guidelines and methods for the use of fish farmers and quarantine installations.
1986 -94		UK	Department of Agriculture, Food and Fisheries for Scotland (now SEERAD), Aberdeen. Renewable Resources Assessment Group, Imperial College	Lead researcher	Analyses of the population dynamics of sealworm (<i>Pseudoterranova decipiens</i>) infections in Atlantic cod (<i>Gadus morhua</i>). Population models to explain past and present trends in parasitic infections in cod landed at British ports.
1980 -85		France	Division Qualité des Eaux, Pêche et Pisciculture, (CEMAGREF) ISTEA, Ministère de l'Agriculture Paris et Lyon, France.	Scientific Officer, Head of Data Analysis Laboratory, Freshwater Quality, Fisheries and Aquaculture Division	In charge of Data analysis and databases, training and computer centre Data management, population dynamics, aquaculture
1985		France	National Electricity Company (EDF).	Post-graduate researcher	Population dynamics of Northern pike (<i>Esox lucius</i>) in the Seine near the Montereau power plant (upstream Paris).
1981		France	French National Research Council (DGRST).	Post-graduate researcher	Modelling temperature changes, eutrophication and algae growth in lakes.

16. Publications (selection)

- Megapesca, 2017. Cost/Benefit Analysis and Impact of Compliance and Non-compliance with Sanitary and Phytosanitary Requirement for CARIFORUM Countries, 98p. (**S. des Clers**, main author). <http://repositorio.iica.int/bitstream/11324/4190/1/BVE17089204i.pdf>
- des Clers, S.** 2016. Pre-assessment update and Fisheries Improvement Plan (FIP) Senegal deepwater shrimp fishery, Ministère de la Pêche et de l'Economie Maritime. Cellule de Planification, République du Sénégal. 47p. (in French)
- COFREPECHE, MRAG, NFDS et POSEIDON, 2015. Rapport d'analyse de la dynamique économique des flottes thonnières de l'Union européenne impliquées dans des activités de pêche encadrées par des ORGP ou par des APP. Contrat cadre MARE/2011/01 - Lot 3, contrat spécifique n° 09. Bruxelles, 110p. (**S. des Clers**, main author). http://ec.europa.eu/fisheries/documentation/studies/tuna-fleets-rfmo-fpa/doc/eu-tuna-fleet-2015_fr.pdf
- des Clers, S.** 2015. Mission reports and contributions to Aide-Mémoires and Project Appraisal Documents (PADs) South West Indian Ocean Fisheries Governance and shared growth program - SWIOFish to World Bank Technical Team Leader, Xavier Vincent, through FAO-TCIA on costings, budgets, financing and expected economic benefits of the SWIOFISH regional project and nationally for Madagascar (SWIOFISH 2).
- des Clers, S.** 2014. Mission reports and contributions to Aide-Mémoires and Project Appraisal Documents (PADs) South West Indian Ocean Fisheries Governance and shared growth program - SWIOFish to World Bank Technical Team Leader, Xavier Vincent, through FAO-TCIA on costings, budgets, financing and expected economic benefits of the SWIOFISH regional project and nationally for Comoros, Mozambique and Tanzania.
- des Clers S., M. Ngoile and C. Breuil,** 2013. EAF-Nansen project: Strengthening the Knowledge Base for and Implementing an Ecosystem Approach to Marine Fisheries in Developing Countries, FAO Evaluation report (GCP/INT/003/NOR) and 10 annexes.
- des Clers S., K. Kelleher and O. DoPorto.,** 2013. Mid-Term Evaluation of the EU-funded SmartFish programme (Phase I) and Formulation of a second phase. Framework Contract EuropeAid/127054/C/SER/Multi. Lot 1: Rural Development, Specific Contract N°: 2012/299266 – Version 1, 98p.
- des Clers, S.** 2012. The art and sciences of setting TACs. Why conscientious research and modelling is not enough. Invited contribution, Ocean Challenge, Vol. 19, Spring 2012.
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- des Clers, S. and F. Costa.** 2012. Fiche d'Identification, Fiche d'Action et Rapport de Formulation. Mission d'identification et de formulation du Programme Diversification de l'Economie - Secteur Pêche et Aquaculture, Algérie, pour le consortium Megapesca Lda, Particip GmbH et Cardno Emerging Markets (UK) Ltd, Cardno Agrisystems Consortium, projet Lot 1 Développement Rural, Contrat Spécifique N°: 2011/264880, 142p.
- Lutchman, I., **des Clers, S.**, Volkery, A., Newman, S., Hjerp, P. and Ten Brink, P., 2011. Perspectives for the new European Fisheries Fund. IEEP Study for the European Parliament, Directorate General for Internal Policies, Policy Department B: Structural and Cohesion Policies – Fisheries, IP/B/PECH/IC/2010-157 A, 92p.
- des Clers, S.** 2011. Socio-economic Study of the Montenegro Fishery Sector, report to the Ministry of Agriculture, project Europeaid/128947/C/SER/ME /, 56p.
- Lorance, P., Agnarsson, S., Damalas, D., **des Clers, S.**, Figueiredo, I., Gil, J., and Trenkel, V. M. 2011. Using qualitative and quantitative stakeholder knowledge: examples from European deep-water fisheries. – *ICES Journal of Marine Science*, 68: 1815–1824.
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- des Clers, S.**, 2010. The Economic and Social aspects of the Inshore Fishing Fleet of the Greater Thames Estuary with special reference to Quota Species. MacAlister Elliott & Partners (MEP Ltd) Report to Defra Fisheries Challenge Fund, 43p.

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- des Clers, S.**, 2009. Deepfishman Stakeholders Workshop Report. Stakeholder meeting on the sustainable management of deep water fisheries.
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- Maslin, M and **S. des Clers** 2005. Editorial: Enlightenment in four dimensions. Transactions of the Institute of British Geographers Sept. 2005, Volume 30: 267-268.
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