

TIM HUNTINGTON

Director



PROFILE

Surname: Huntington

First name: Tim

Date of Birth:
25 June 1962

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Present position

Director, General Manager & Company Secretary of Poseidon Aquatic Resources Management Ltd, an international consultancy specialising in fisheries, aquaculture and aquatic environment.

Years within the firm: 19

Education

1986 – 1987 M.Sc. in Applied Fish Biology *Plymouth University, UK*

1980 – 1983 B.Sc. (Hons) in Biological Sciences (2.1), *Portsmouth University, UK*

Key professional skills

- **35 years of consultancy, industry and NGO experience in the fisheries sector, including 25 years as team leader**
- **Maritime sector planning & 'Blue Growth'**: policy & planning marine economies.
- **Aquaculture**: strategic and technical development of sustainable aquaculture, inc. risk assessment, environmental certification and analysis.
- **Capacity development**: institutional analysis and human capacity development.
- **Coastal management & EIA**: integration of fisheries and aquaculture with other coastal users through appropriate EIA and CZM approaches.
- **Ecosystems-based fisheries**: studies and technical assistance in developing an ecosystem approach to fisheries management and conservation.
- **Fisheries & aquaculture certification**: policy studies on certification in fisheries and aquaculture. Auditor for MSC fisheries (P2 & P3), single & group CoC assessments.
- **Project design, monitoring & evaluation**: programme design and ex-ante, mid-term and ex-post monitoring and evaluation

Professional experience record

2001 – present Poseidon Aquatic Resources Management Ltd, *Founder and Director*

1994 – 2001 MacAlister Elliott & Partners Ltd, *Director*

1989 – 1994 Fisheries Development Ltd, *Senior Consultant*

1987 – 1989 United Gulf Fisheries, Oman *Processing plant manager*

1984 – 1986 Kames Fish Farming Ltd, Scotland *Trout farm manager*

1983 – 1984 Springwater Trout Ltd, England *Trout farm worker*

Other skills

Language skills:	Reading	Speaking	Writing	(1 - excellent; 5 - basic)
English (mother)	1	1	1	
French	2	3	4	
Arabic	0	2	0	
Spanish	1	1	0	

Membership of professional bodies: Member and Director (2000 – 2004) of CoastNET (UK representative body of EuroCoast, a policy guidance body promoting sustainable coastal management).

Technical skills: Highly computer literate; MSC FCR v2 scoring training completed; training in stakeholder and gender issues in environmental impact (DFID, 1993)

Geographic experience

Europe	UK & Eire, EU, Albania, Russia, Norway, Iceland & Switzerland
Middle East	Egypt, Bahrain, Oman, Kuwait, Turkey, Saudi Arabia, UAE & Yemen
Africa	Comoros, Cote d'Ivoire, Eritrea, Ghana, Kenya, Mauritius, Madagascar, Malawi, Nigeria, Tanzania, Uganda, Reunion, Senegal, Seychelles & Zimbabwe
Asia	Bangladesh, China, India, Indonesia, Pakistan, Philippines, Maldives, Sri Lanka, Thailand, Timor-Leste & Vietnam
Pacific	Australia, Fiji, PNG, Solomon Islands & New Caledonia
Americas	Belize, Bolivia, Brazil, Canada, Colombia, Greenland & the USA.

Previous and current clients

National and local government	UK: Environment Agency, Defra, Penwith District Council, East of England Development Agency, FCO, Government Office for the North-West, Seafish, Solway Firth Forum, Scottish Government & SEPA. Other: DCMNR & BIM, LVFO
International	ACP Fish II; AFD, ADB, DANIDA, DFID, EC, FAO, FFA, GEF, IFAD, PERSGA, World Bank, USAID, UNDP, UNEP & WTO
NGO	WWF, WAP, Pew Charitable Trusts, RSPB, MSC, Hampshire & Isle of Wight Wildlife Trust, ITOFF, Solway Firth Partnership & WorldFish
Private sector	Inmarsat, WS Atkins, KPMG, ECA, OKLNG, Halcrow, Homarus, Metoc, Acoura, Intertek & Scott Wilson Kirkpatrick

Experience record

Maritime sector and policy planning & evaluation (inc. Blue Growth)

- **UK:** 'Toolkit' to model environmental management options & trade-offs (Defra (2018 - 2019).
- **UK:** UK Scallop Management Plan (SICG, 2018). Team member developing an industry-led, long-term strategic plan for the UK's scallop fisheries.
- **EU:** Evaluation of 'Integrated Marine Policy' actions funded by the EMFF (DG Mare, 2018)
- **EU:** Technical Rapporteur for the 'Our Ocean' Conference in Malta, October 2017 (DG Mare, 2017)
- **Pakistan:** Sector Technical Analysis and Action Plan (AFD, 2017). Team leader and fisheries specialist.
- **EU outermost regions:** investigation of blue growth opportunities in the Indian Ocean (DG Mare / EUNETMAR, 2016).
- **Mauritius:** Ports Master Plan (MPA/Royal Haskoning, 2016). Forecast fisheries traffic into Port Louis and identified the future needs for quay & land-based infrastructure for fish landing and processing.
- **UK:** Evaluation of Fisheries Local Action Groups (FLAGs) under Axis 4 of the EFF (2007 - 2013) and the implications for CLLD in the EMFF (2014 - 2020). (IFCI and Defra, 2015)
- **EU:** Scoping study on the use of Financial Instruments in the EMFF (European Investment Bank, 2014)
- **Albania:** Development of a Fisheries Sector Strategy (EC, 2014). Responsible for lagoon & lake fisheries and aquaculture.
- **Ghana:** Developing the Legal, Operational and Organizational Framework to Enable the Implementation of the Ghana Fisheries and Aquaculture Sector Development Plans (World Bank, 2014). Team leader.
- **EU:** MSP and Atlantic Action Plan Conference Facilitation (DG Mare / GOPA Cartermill, 2013 - 2014):
 - **Venice, Italy.** Marine Spatial Planning Stakeholder Workshop- Tourism. CFP & Maritime Affairs Chief Expert and Rapporteur (DG Mare / GOPA-Cartermill, October 2014)
 - **Liverpool, UK:** Seminar on the Atlantic Action Plan: finance opportunities for projects, chances for SMEs. Chief Technical Organiser & plenary / breakout chair (DG Mare/GOPA-Cartermill, June 2014)
 - **Athens, Greece:** Marine Spatial Planning Stakeholder Workshop- Shipping. CFP & Maritime Affairs Chief Expert and Rapporteur (DG Mare / GOPA-Cartermill, June 2014)
 - **Dublin, IRL:** Ocean Energy Forum. Rapporteur. (DG Mare/GOPA-Cartermill for the AAP, June 2014)
 - **Gijon, ESP:** Seminar -Atlantic ports, logistics and maritime transport as drivers of economic development. Rapporteur (DG Mare / GOPA-Cartermill for the Atlantic Action Plan, June 2014)
 - **Brussels, BE:** Stakeholder seminar on boosting blue growth in the Adriatic and Ionian region: towards an action plan for the EUSAIR (EU strategy for the Adriatic and Ionian region). Introductory speaker - Roundtable on marine litter (DG Mare, November 2013)
- **Indonesia:** Development of a Blue Growth Strategy for Lombok Island (FAO, 2014)



- **UK:** Assessment of opportunities for a fish processing cluster (Torbay Development Agency, 2013)
- **Caribbean:** Monitoring, Control & Surveillance Strategy Development (ACP Fish II/CRFM, 2013). Workshop facilitator updating a regional strategy for fisheries monitoring, control & surveillance (MCS).
- **EU:** Evaluation of 'Blue Growth' Opportunities in the Mediterranean and Black Sea (EC, 2013 - 2014). Strategic development plans for the Mediterranean and Black Seas. Includes a policy and market analysis of blue growth opportunities that contribute to future economic growth in European coastal areas.
- **UK:** Evaluation of technical measures used in Scottish fisheries (EC, 2013)
- **Malta:** Preparation of the Maltese EMFF Operational Programme (Office of the Prime Minister, 2013)
- **UK:** Investigation of the socio-economic importance of fisheries in Shetland (EC, 2013)
- **Malta:** Strengths, Weaknesses, Opportunities & Threats Analysis of Maltese Fisheries (MRRA, 2012).
- **Saudi Arabia:** Fisheries and Aquaculture Sector Plan (Agriculture Development Fund, 2011 - 2014). Technical project manager of a major fisheries & aquaculture sector review and development plan.
- **Global:** Support for fisheries & aquaculture policy & management capacity for emergencies (FAO, 2012)
- **Seychelles:** Fisheries development of Praslin Island (ACP Fish II, 2011). Conducted a development needs assessment, culminating in a workshop. Provided recommendations on needs, sites and funding.
- **Sultanate of Oman:** Outline review of critical issues affecting the fisheries sector (World Bank, 2009). Briefing paper on the current status, opportunities and challenges to Oman's fisheries sector.
- **UK:** An Economic Approach to Long Term Reform of Access to Fisheries for the Inshore Fleet (Defra, 2009). Expertise in England's inshore fisheries fleet, how it operates and potential for development.
- **UK:** Developing Scottish 'Inshore Fisheries Group' Management Plans (Scottish Government, 2009). Developed management plans that address high level objectives based on locally determined actions.
- **Mauritius:** Port Louis Master Plan Study (MPA/Halcrow, 2007). Forecast fisheries traffic into Port Louis and identified the future needs for quay & land-based infrastructure for fish landing and processing.
- **UK:** Fisheries development strategy (East of England Development Agency, 2006). Examined aquaculture and recreational fishing for a fisheries development strategy for the East of England region.
- **UK:** NW Seafood regional study (NW Seafoods Ltd, 2005). Cost-benefit analysis of options for the refurbishment or rebuilding of the market auction hall at Fleetwood in the NW of England.
- **Europe:** Design of a Community Fisheries Control Agency (DG Fisheries, 2004). Assessment of the benefits/costs of the CFCA for the monitoring, control and surveillance (MCS) of EU fishing activities.
- **Red Sea and Gulf of Aden:** Strategic Action Plan (PERSGA Secretariat, 2003). Ran a regional training workshop on monitoring and evaluation methodologies for biodiversity conservation as part of the SAP.
- **Uganda:** Business plan for the Kajjansi Aquaculture R&D Centre (DFID, 2003). Strategic Business Plan including a research policy framework, funding options and a management plan for the research centre.
- **UK:** St. Ives harbour enhancement and preservation study (Penwith District Council, 2002). Proposed ways of improving the harbour, supporting management and dealing with conflict management issues.
- **UK:** Fleetwood and Whitehaven Fishing Regeneration Study (Gov. of the North West, 2002). Developed a sector plan in the face of declining stocks as well as rapid social and economic change.
- **British Indian Ocean Territory:** Feasibility for resettling the Salomon and Peros Banhos Atolls (FCO, 2001 - 2002). Assessed the fisheries & aquaculture potential of the Chagos Archipelago.
- **Sultanate of Oman:** Khasab Harbour Development (WS Atkins, 2001). Prepared a fisheries sector appraisal for the Musandam region for a multidisciplinary study of the development of Khasab Harbour.
- **Yemen:** Mid-term development plan for the Socotra Archipelago (EC, 1999). Prepared a coastal and fisheries development plan for the next 10 years for this unique archipelago off the Horn of Africa.
- **UK:** Economic evaluation of inland fisheries (UK Environment Agency, 1998-2001). Directed a project designed to place an economic value on the UK's freshwater fisheries.
- **UK:** Fleetwood fishing industry strategy (Wyre Borough Council, 1999). Assessed port waste, environmental, health and safety management systems to recommend management and control systems.
- **Sultanate of Oman:** 10 Year development plan for fisheries (Government, 1989). In consultation with the fish processing industry, prepared a long-term strategy for market development.

- **EU:** Moderator for a workshop on Aquaculture producer organisations and cross-border cooperation: challenges and opportunities (Tetra Tech / DG Mare, 2020)
- **Australia:** Update of a vendor due diligence for a major shrimp farming project (Private client, 2020).
- **UK:** Preparation of a national strategy for aquaculture development in England (up to 2040) (Seafish, 2020)
- **Indonesia:** Impact assessment of the Indonesia Aquaculture Initiative (Walton Family Foundation, 2020)
- **EU:** Evaluation of EU aquaculture development & the role of the OMC (DG Mare, 2018). Team leader.
- **UK:** Feasibility of single Marine Licence development consent for Scotland aquaculture (SARF, 2018)
- **Australia:** Due diligence of a major new integrated aquaculture investment project (Private Client, 2017)
- **Global:** Preparation of 'Aquaculture Development Guidelines' for funding bodies (EC DEVCO, 2016)
- **Saudi Arabia:** Priority needs for aquaculture and post-harvest development (Min. of Agriculture, 2015)
- **Slovenia:** Needs analysis and ex-ante appraisal of an Aquaculture Sector Development Plan (Oikos, 2014)
- **UK:** Site investigations for a scallop hatchery, nursery and offshore ranching site (Private client, 2014)
- **Jersey:** Development of aquaculture licensing and permitting (State of Jersey, 2013 - 2014)
- **South Pacific:** Aquaculture policy development in the South Pacific (ACP Fish II, 2013). Review of current aquaculture policy and preparation of a design framework, providing a 5-day training workshop in Fiji.
- **UK:** Review of marine aquaculture planning applications in protected areas (Marine Scotland, 2013)
- **Saudi Arabia:** Development of technical protocols for aquaculture legislation governing sea-based, coastal and freshwater aquaculture licensing and regulation (Ministry of Agriculture, 2012 - 2013)
- **Maldives:** Mariculture Enterprise Development Project (IFAD, 2012). Responsible for all technical elements of project preparation, inc. species, system and site selection, risk assessment & marketing.
- **Saudi Arabia:** Studies on (i) recirculation aquaculture systems; (ii) small-scale aquaculture parks and (iii) coastal aquaculture zoning in Saudi Arabia (Agriculture Development Fund, 2011 - 2012)
- **Saudi Arabia:** Aquaculture Sector Plan (Agriculture Development Fund, 2011 - 2014). Chief Technical Adviser of a major aquaculture sector review and development plan.
- **Madagascar & Reunion:** Audit of a vertically integrated aquaculture project (Private client, 2012)
- **Egypt:** Aquaculture development programme on Lake Manzala as adaptation measure against sea-level rise (EC/Nordic Consulting Group, 2011). Senior aquaculture / mariculture specialist
- **Europe:** Impact of aquaculture (EC, 2009). Team leader of a study to evaluation the impact of aquaculture on the objectives of the Water Framework Directive and Marine Strategy Framework Directive.
- **Europe:** Defining data collection needs for aquaculture (EC, 2009). UK aquaculture specialist
- **Global:** Aquaculture policy formulation (FAO, 2008). Facilitator at an Expert Consultation in Rome. Presented a background briefing report and prepared draft guidelines for good practise.
- **Thailand:** Risk assessment in aquaculture (FAO, 2007). Facilitator and rapporteur at an Expert Consultation in Rayong in Thailand developing a risk assessment methodology for aquaculture in Asia
- **UK:** Aquaculture strategy for the Solway Firth (Solway Firth Partnership, 2006-2007). Team leader / coastal planner preparing an aquaculture strategy for the third largest inter-tidal habitat in the UK.
- **Europe:** Aquaculture development in sensitive coastal environments (EC, 2005-2006). Team leader of an impact assessment producing guidelines for aquaculture planning and management.
- **Europe:** Aquaculture employment patterns in the EU (EC / Framian, 2005). Assessment of employment in the aquaculture industry in the UK as part of an EU wide study.
- **UK:** Sustainable fish feeds and Scottish aquaculture (RSPB/ SWT / WWF, 2004). Review of raw material sources of fish feeds used in Scottish aquaculture and an assessment of their relative sustainability.
- **Europe:** Forward study of Community aquaculture (EC, 1999). Recommended environmental management measures for aquaculture that balance the continued growth of these important rural industries.
- **UK:** Aquaculture potential in SW England (SW Pesca Ltd, 1998). Provided EIA guidelines for future coastal and inland aquaculture consistent with coastal management approaches.
- **Norway and Iceland:** Aquaculture study (Private client, 1991). Investigation of markets for natural salmonid feed colorants. Determined mill buyer preferences as well as end user and legislative trends.
- **UK:** Aquaculture planning (Private client, 1989). Expert witness to support an objection to a Section 29 Nature Conservation Order which prevented the expansion and development of a trout farm.
- **UK:** Fish farm manager (Kames Fish Farming Ltd, 1984 - 1985). Large marine and freshwater trout cage farm, responsible for day to day husbandry, production and management reporting, and production of fry.
- **UK:** Fish farm worker (Springwater Trout Ltd, 1983 - 1984). Husbandry on a flow-through trout farm.

Capacity development and institutional strengthening

- **Global:** Development of toolkit to operationalise the FAO Voluntary Guidelines for Small-Scale Fisheries (FAO, 2019 – 2020).
- **UK:** Fisheries Local Action Group. Feasibility for a FLAG in Torbay (Torbay Development Agency, 2014).
- **Malawi:** Improvements to fish quality and safety (Commonwealth Secretariat, 2012). Institutional strengthening to the Dept' of Fisheries, Malawi College of Fisheries & Malawi Bureau of Standards.
- **Kuwait:** Capacity building for marine science & fisheries research in Kuwait (KISR/Arthur D. Little, 2009). Reviewed emerging research priorities & recommended a programme to address these.
- **Ireland:** Review of the fisheries control system (DCMNR, 2007). Institutional Specialist restructuring a newly independent control agency to maximise efficient and effective regulation of marine fisheries.
- **Indonesia:** Institutional assessment of fisheries and aquaculture in post-tsunami Aceh (FAO, 2006). Analysed institutional arrangements for fisheries and aquaculture governance and how they could be strengthened through better coordination and information flow, capacity building and other measures.
- **Latin America and Sub-Saharan Africa:** Concept notes for capacity building in fisheries (FAO, 2004). Capacity building programmes to facilitate the sustainable development of fisheries.
- **Red Sea and Gulf of Aden:** Marine conservation strategy (PERSGA, 2004). Development of a long term strategy for the regional management of coastal conservation in the Red Sea and Gulf of Aden.
- **Global:** Strategy for human capacity building in fisheries (FAO, 2003-2004). Prepared the current FAO strategy on building human capacity in fisheries and marine ecosystem management.
- **Bangladesh:** Third Fisheries Project (ODA/World Bank, 1989-1994). Long-term TA counterpart to the Project Director planning, monitoring and reporting of all project activities in fisheries management.

Coastal management & environmental impact assessment (EIA)

- **EC:** Study on the Single Use Plastic & Port Reception Directives in fisheries and aquaculture (EU, 2020)
- **Global:** Preparation of a 'Best Practice Framework to Reduce Marine Debris from Aquaculture' (Global Ghost Gear Initiative, 2019 – 2020)
- **Global:** White Paper on the source, pathways and fate of plastic from aquaculture lost into the marine environment (Aquaculture Stewardship Council, 2019).
- **Nigeria:** Impact of two major oils spills on mangroves and associated fisheries (Private Client, 2012)
- **Eritrea:** Environmental Impact Assessment of a new copper port in Massawa (Citrus, 2010)
- **Regional:** Review of fisheries, environmental and ICM policies in the Bay of Bengal (FAO, 2010)
- **UK:** West of Wight Wind Farm Commercial Fisheries Advice (Eneco, 2010)
- **UK:** Hornsea Wind Farm Commercial Fisheries Advice (EMU, 2010)
- **UK:** Review of industry, Government and other action to improve the sustainability of fish and shellfish production and consumption (Defra, 2009 - 2010). Environmental product lifecycle analysis.
- **UK:** Marine Protected Area (MPA) management in Scotland (Scottish Government, 2008). Team leader of a study to integrate the OSPAR MPA commitments with the EC Habitat and Birds Directives.
- **UK:** Impact of aquaculture on tourism (Scottish Aquaculture Research Forum, 2008).
- **UK:** Strategic Environmental Assessment - European Fisheries Fund (Defra, 2007 - 2008). Team leader assessing the impacts and possible mitigation strategy of the UK EFF Operational Programme.
- **China:** Pollution and coastal mariculture (Homarus, 2007). Investigated the impact of alleged oil spill on coastal aquaculture in Shandong Province. Prepared preliminary production economic impact models.
- **Ireland:** Environmental assessment of bottom mussel culture (Irish Fisheries Board, 2007). Assessed the issues involved and recommended a strategic approach to minimise environmental impacts.
- **UK:** Barnstaple river crossing fisheries impact study (Halcrow, 2004). Assessed impact of a temporary causeway on migratory salmonids and determined appropriate mitigation during construction.
- **Japan:** Seabed benthic recovery following ship grounding (ITOPF / Homarus, 2003). Assessed the likely rate and nature of seabed recovery after the grounding of the car carrier M.V. Hual Europe.
- **UK:** Regional EIA for Marine Aggregate Extraction (East Channel Association / Haskoning, 2001 - 02). Strategic assessment of the impacts on fish stocks and fishing activities in the English Channel.
- **Libya:** Fisheries impact of a fibre optic cable route (Metoc PLC / Alcatel, 2001). Assessed impacts of cable laying and operation on fisheries and recommended alternative route and cable protection scenarios.
- **Sri Lanka:** Coastal Resource Management Project (Macalister Elliott & Partners, 2000). MEP staff consultant preparing technical proposal for ADB's CRMP 'Institutional Strengthening' component.

- **China:** Coastal Resource Conservation and Environmental Management (Asian Development Bank, 1999 - 2000). Environmental monitoring specialist preparing a coastal resource plan for the Bohai Sea.
- **Bolivia:** Development of artisanal fisheries and aquaculture (EC D-G 1B, 1998). Assessed sustainability issues of fisheries and aquaculture. Designed and gave a 2-day course in EIA preparation.
- **China:** Capacity building for integrated coastal management in the Northern South China Sea (UNDP, 1998) Developed GIS-based zoning for fisheries and aquaculture development in 3 different sites.
- **Colombia:** Environmental assessment of the shrimp farming industry (CENIACUA, 1997). Assisted an industry body to prepare a strategic plan for minimising the environmental impacts of shrimp farming.
- **Belize:** Environmental capacity assessment of cage aquaculture (CDC, 1997). Determined the site's potential environmental carrying capacity and impacts on its conservation and recreational values.
- **Egypt:** Red Sea Coastal and Marine Resources Management Project (GEF/World Bank, 1998). Improved the capacity to plan coastal management, esp. for tourism, fisheries and marine conservation.
- **Belize:** Aquaculture in coastal zone management (GEF/UNDP, 1997). Produced planning and EIA guidelines for aquaculture development. Gave training courses in EIA and sustainable aquaculture practices.
- **Zimbabwe:** Aquaculture EIA (CDC, 1997). Team leader of a detailed environmental assessment for a large (4 000 t per annum) tilapia cage culture project on Lake Kariba.
- **UK:** River Test Fisheries EIA (Scott Wilson Kirkpatrick / Environment Agency, 1995). Impact assessment of river engineering works on salmonid migration and proposed mitigation approaches.
- **Yemen:** Fourth Fisheries Development (EC, 1995). Conducted a rapid, semi-quantitative assessment of the marine resources, users and impacts of the southern Yemen coast.
- **Belize:** Aquaculture EIA (Starich Inc./CDC, 1996). Team leader preparing an EIA for a major shrimp and fin fish farming project, inc. an environmental mitigation and management plan.

Ecosystem-based fisheries

- **Global:** Update to the 2017 GGGI 'Best Practice Framework for the management of fishing gear (GGGI, 2020).
- **Global:** Development of options for including 'ghost gear' into the MSC standard for responsible fishing (MSC, 2020).
- **Global:** Team leader of a project to examine bycatch and shark finning issues in tropical tuna fisheries (MSC, 2018 - 2019)
- **Global:** Invited Expert Observer at an FAO Workshop on Climate Change and Fisheries & Aquaculture (FAO, 2017)
- **Global:** Preparation of a framework for best practise in the management of fishing gear (Global Ghost Gear Initiative, 2016)
- **Global:** Working paper on the current status of fish gear marking and future needs (FAO, 2015 - 2016)
- **Indonesia / Timor Leste:** Design of Preparation of full project investment for the project Enabling transboundary cooperation for sustainable management of the Indonesian Seas (FAO, 2015)
- **Kuwait:** Development of a regional action plan for bycatch management for the RECOFI countries (RECOFI / FAO, 2012). Included technical facilitation of a major regional workshop.
- **China:** Evaluation of domestic & overseas fisheries supplying China's seafood (WWF-US, 2012)
- **Europe:** Bycatch of seabirds in European fisheries (EC DG Fish, 2010 - 2011). Conducted extensive interviews of gillnet fishers in Denmark & Sweden to determine impact levels, mitigation approaches & costs.
- **Bangladesh:** Assessment of small-scale fisheries (WorldFish, 2007). Assess the current status of coastal SSF in order to develop a code of conduct for 'resilient fisheries' and recommend further courses of action.
- **Global:** Review of abandoned, lost and discarded fishing gear (FAO, 2007). Assessment of the magnitude, impacts and success of efforts to reduce ALDFG and recommendations for new approaches.
- **Europe:** Use of feed fish in aquaculture feeds and the implications for food security and poverty alleviation (FAO, 2006 - 07). Assessed likely future usage patterns to determine their environmental and socio-economic consequences and recommended actions to mitigate these.
- **Europe:** Preparation of a project brief for the conservation and sustainable use of the Mediterranean (FAO, 2006). Project brief for a jointly co-financed (FAO, UNEP-MAP, RAC/SPA & WWF-MedPo).
- **Global:** Strategy for EC fisheries research in third country waters (EC DG Fish, 2005-2006). Prepared an EC strategy and action plan framework for research contributing to sustainable fisheries.
- **EU:** Impact assessment of 'ghost fishing' (EC DG Fisheries, 2005). Assessed the environmental impacts of ghost fishing and specified mitigating measures following consultation with industry groups.
- **Sub-Saharan Africa:** Selection criteria for large marine ecosystem projects (FAO/GEF/ World Bank / WWF, 2005). Evaluation framework for projects funded by the Sustainable Fisheries Investment Fund.
- **UK:** Marine BAP for SE England (Hampshire & Isle of Wight Wildlife Trust, 2004). Review of current regional marine biodiversity action planning approaches and their appropriateness for SE England.

- **Global:** Sustainability of industrial fisheries used for fish meal & fish oil (RSPB, 2004). Identified criteria to measure the sustainability of industrial fisheries used for reduction to fishmeal and fish oil.
- **Europe:** Assessment of environmental variables for inclusion in the CFP (EC, 2003-04). Determined the environmental variables should be included in EU Member State data collection programmes.
- **West Africa:** Review of fishing activity the status of fish stocks in the high seas areas of CECAF (FAO, 2003). Assessment of the fish stock status in the high seas areas of the FAO CECAF region.
- **Bangladesh:** IV Fisheries Project - Aquatic Resources Development, Management and Conservation (GEF / World Bank, 2001 - 2004). Biodiversity studies of coastal ecosystems to provide essential information for formulating future fisheries development policy, esp. sustainable shrimp aquaculture.
- **Global:** Assessment of world fisheries by-catch issues (FAO, 2002). Examined regional programmes aimed at the reduction of discards to assist address key environmental, social and economic issues.
- **PERSGA & ROPME:** Strategy for biodiversity conservation and MPA development (EC, 2001) Prepared a strategy for biodiversity conservation & MPAs for key habitats in the Red Sea & Arabian Gulf.
- **EU:** Study on the valuation and restoration of biodiversity damage for environmental liability (EC, 2000). Assisted establish an environmental liability regime to ensure the restoration of damaged environments.
- **Yemen:** Socotra biodiversity conservation (Global Environment Facility / UNDP, 1996). Team leader preparing the marine elements of a biodiversity conservation programme for GEF funding.

Fisheries and aquaculture certification

- **Global:** Research into options for including 'ghost gear' into the MSC fisheries standard (MSC (2020).
- **Global:** White Paper on Marine Plastics in Aquaculture (Aquaculture Stewardship Council, Jun – Oct 2019)
- Assessments under the Marine Stewardship Council (MSC) standard for responsible fisheries include:
 - **Indian Ocean:** Annual benchmarking of the SIOTI FIP (SIOTI, 2018 – 2020).
 - **Greenland:** Re-assessment of the Greenland lumpfish fishery (DNV, 2019). P2 ecosystem impacts
 - **Iceland:** Surveillance audit of the cod and haddock fisheries (Tún, 2018, 2019)
 - **Norway:** Re-certification of the Norway herring fishery (DNV, 2018). P2 ecosystems.
 - **UK:** Certification of the Orkney Brown Crab fishery (SAI Global, 2016). P3 Management
 - **Iceland:** Full assessment of the Greenland halibut fishery (Tún, 2017). P2 (ecosystem impacts).
 - **Russia:** pre-assessment of the West Bering Sea cod & halibut LL fisheries (Marine Certification, 2016).
 - **Estonia:** Full assessment (P3) of the Lake Peipus pike-perch fishery (Marine Certification, 2016)
 - **Ireland:** Re-certification (P3) of the Celtic herring fishery (SAI Global, 2016). P3 Management
 - **Iceland:** Re-certification of various cod and haddock fisheries (Tún, 2016). P2 (ecosystem impacts).
 - **Japan:** Peer review of the Japanese pole and line fishery recertification (Acoura, 2016)
 - **Indian Ocean:** Pre-assessment of a major purse seine fishery (Private client, 2015 - 2016)
 - **China:** Pre-assessment and FIP design of the freshwater crayfish fishery (Lyons / Bakkavor, 2017-2019)
 - **China:** Pre-assessment of a clam fishery in Liaoning Province (WWF-China & WWF-Japan)
 - **China:** Pre-assessment of the Dongshan multi-gear, multi-species fisheries (CAPPMA/MSC, 2015)
 - **UK:** Pre-assessment of the trap fisheries of Strangford Lough (Seafish, 2015).
 - **Djibouti:** Pre-assessment of small-scale fisheries (private client, 2015). Project manager and P2.
 - **India:** Ashtamudi Estuary Short Necked Clam Fishery (Intertek, 2014). Peer review.
 - **Sweden:** Eastern Baltic Cod fishery surveillance (FCI, 2013). Principle 2 (ecosystem impacts).
 - **UK:** Shetland mussel, brown crab, velvet crab and scallop fisheries surveillance audits (FCI, 2013)
 - **Fiji:** Albacore longline fishery (FTBOA, 2011). Principle 2 (ecosystem impacts).
 - **Pacific Ocean:** Free-school purse seine fishery (PNA, 2010). Principle 2 (ecosystem impacts).
 - **Indonesia:** Seven major tuna fisheries (WWF-Indonesia, 2010). Principle 2 (ecosystem impacts).
 - **Canada:** Scotia-Fundy haddock fishery (GEAC, 2009). Principle 2 (ecosystem impacts).
 - **Maldives:** Pole & line + handline tuna fisheries (2009 & 2013). P2 assessor on pre- & full assessments.
 - **UK:** MSC assessments of four North Sea fisheries (2008 - present). Lead assessor on Scottish haddock & Nephrops fisheries, the southern North Sea Nephrops fishery & responsible for Principle 2 (ecosystem impacts) on the Skagerrak, Kattegat & Norwegian Deeps prawn fishery.

- **Kenya, Tanzania and Uganda:** Pre-assessment of a major Lake Victoria fishery (Lake Victoria Fisheries Organisation, 2008). Determined the potential for certification against the MSC principles.
- **Western & Central Pacific:** Pre-assessment of tuna fisheries (FFA, 2007). Lead assessor.
- **UK:** NESFC sea bass and lobster fisheries (NESFC, 2006 - 2007). Team leader
- **UK:** Hastings' Dover sole & pelagic fisheries (2004). Responsible Principle 2' e.g. ecosystem impacts.
- **UK:** North Sea herring fishery (PFTA, 2003). Responsible 'Principle 2' e.g. ecosystem impacts.
- **MSC:** Preparation of a generic template for Fisheries Management Plans (MSC, 2019).
- **UK:** Preparation of FIPs for crab, lobster, scallops and monkfish as part of Project UKFI (Acoura, 2017 - 2020)
- **Private client:** Supplier Risk Assessments and Vessel Audits for a major seafood processing company (Private client, 2016)
- **EU:** Feasibility study for an EU Ecolabel for seafood (DG Mare, 2015).
- **MSC:** Participated in various P2 test cases and calibration workshops working towards the introduction of the new Fisheries Certification Requirements v2 (2014 - 2015)
- **UK:** Ecosystem Markets Task Force (EMTF) research on certification and labelling (Defra, 2012)
- **UK:** Pre-assessments of all English inshore fisheries 'Project Inshore'. (Seafish led, with FCI, 2012)
- **Global.** Classification and Evaluation of Fisheries Improvement Plans (MSC, 2012)
- **Bay of Bengal:** Assessments of the Indian mackerel & hilsa shad fisheries in the Bay of Bengal (FAO, 2010)
- **Global:** Impact of market-based sustainability requirements on small scale fisheries (FAO, 2009).
- **Global:** Certification and sustainable fisheries (UNEP, 2008). Examines the actual benefits of certification and eco-labelling, focusing on environmental issues, especially in developing countries.
- **UK:** Design of a decision-making tool for sustainable fish sourcing (private client, 2008). Design of a sustainable (ecology / economic / social) purchasing tool for a major UK multiple retailer.
- **Global.** Summary of experience of small-scale fisheries with environmental and social certification schemes (FAO, 2007) Design of case studies to examine the opportunities, constraints, and cost and benefits to small-scale fisheries of certification and labelling schemes under varied conditions.
- **Bangladesh:** Quality and environmental certification of shrimp farming (DFID, 2002). Examined the potential for environmental certification (inc. organic) of the coastal shrimp farming industry.
- **Global:** Sustainable Fisheries Certification - Chain of Custody Issues (Marine Stewardship Council, 2002). Position papers for the MSC Technical Advisory Board to update the 'chain of custody' audit process.
- **Global:** Feasibility study for the environmental certification of aquaculture (Marine Stewardship Council, 2001). Assessed the demand and scope for the environmental certification of aquaculture.
- **World-wide:** Sustainable Tuna Sourcing Study (Private client, 2001). Prepared environmental guidelines for the sourcing of sustainable supplies of fresh yellowfin tuna for the UK multiple retail market.
- **UK:** Competitiveness of fisheries products (EC, 1991). Evaluated opportunities for ACP products, purchaser requirements and the ability of ACP producers to meet product quality and price criteria.
- **UK:** Seafish 'Responsible Fisheries Scheme'. Audited over 49 vessels throughout South-East England (Weymouth to King's Lynn) to this environmental and quality standard since 2007.
- **Global:** MSC Chain of custody audits (Private clients, 2001 - present). Conducted 'chain of custody' audits. Clients have included FalFish, Migros, Pret a Manger, Le Maison au Quat' Saison.

Project design, monitoring and evaluation

- **Philippines:** Providing the M&E for the monitoring, control & surveillance informational support project (VERUMAR. NLA International / UK Space Agency, 2020 - 2021).
- **EU, West Africa (Senegal, Ghana & Ivory Coast) and Brazil:** Team leader of the Final Evaluation of the Atlantic Ocean Tuna Tagging programme (contracted as an individual Lattanzio Advisory/Transtec Consortium (2019 – 2020).
- **EU:** Evaluation of the Deep Sea Fisheries Regulation (DG Mare, 2020).
- **EU:** Evaluation of state aid to fisheries in the EU (DG-Mare, 2019 – 2020).
- **EU.** Evaluation of the EU Eel Regulation (DG Mare, 2018 - 2019). Team leader of evaluation team.
- **Indonesia:** Evaluation of INDESO (Infrastructure Development of Space Oceanography) (AFD, 2018)
- **Philippines:** M&E for the ISAIF 'Improved Situational Awareness in Fisheries' Project (Janus, 2018)
- **Indonesia:** Team leader of a major project to provide M&E services for satellite-based communications in medium-scale fisheries in Indonesia (Inmarsat / UK Space Agency, 2017 - 2019).
- **EU:** Fisheries and Aquaculture Monitoring and Evaluation (FAME) (DG Mare, 2015 - 2017). Thematic and UK Geographic Expert.
- **EU:** Ex-post evaluation of the European Fisheries Fund (DG Mare, 2015 - 2016). Aquaculture specialist.



- **Mediterranean:** Evaluation of the EU Mediterranean Regulation, with a focus on the Strait of Sicily case study (DG Mare, 2015 - 2016)
- **Pacific:** Regional evaluation of tuna and other large pelagic fisheries in the WC Pacific (EC, 2013)
- **Poland:** Conducted in-situ assessment of Poland's conformance with the DCF Regulation (EC, 2012).
- **Global:** Interim evaluation on establishing financial measures for the implementation of the CFP 2007-2013 (EC 2010). Poseidon project management and responsible for external relations elements.
- **East Africa:** Terminal evaluation of the Eastern African Coastal and Marine Environment Resource Database and Atlas (UNEP, 2010). Includes visits to Nairobi, Mombasa and the Comoros.
- **Europe:** Shadow evaluation of the EC's FIFG 2000-2006 expenditure programme (Pew Charitable Trusts, 2009 - 2010). Providing core team expertise on environmental and social impacts.
- **Indian Ocean:** Mid-term evaluation of the Regional Tuna Tagging Project (EC, 2009).
- **Vietnam:** Mid-term Review of the Fisheries Sector Programme Support, Phase II (DANIDA, 2008). Fisheries specialist on a three person team assessing progress to date and recommending further actions.
- **Global:** Impact Assessment of the EC Shark Action Plan (EC, 2008). Team leader of a multi-disciplinary team evaluating the environmental, economic and social impacts of the EC IPOA for sharks.
- **Global:** ACP Fish II (EC, 2006). Prepared a major fisheries development programme for the ACP countries to mainstream fisheries sector planning into regional economic planning and trade development.
- **Vietnam:** Review of the Fisheries Management Information System (DANIDA, 2006). Evaluated a fisheries and aquaculture information system developed under Danida's FSPS I initiative.
- **Mauritius and Tanzania:** Evaluation of Fisheries Agreements with the EU (EC DG Fish, 2004-06). Evaluating marine fisheries in order to assist the EC in preparing a new fisheries partnership agreements.
- **Red Sea and Gulf of Aden:** Project Completion Evaluation (PERSGA, 2005). Evaluated the success of 8 coastal conservation pilot projects, based on LFAs prepared through earlier assistance in 2003.
- **Vietnam:** Fisheries Sector Programme Support II (DANIDA, 2005). Pre-appraisal of the 2nd phase of a major fisheries sector development project to make recommendations for future Programme support.
- **Yemen:** Fish Handling, Safety and Quality Improvement Project (WTO, 2005). Prepared a project to provide SPS-related capacity-building assistance to private sector fish processing companies.
- **Global:** Strategic Partnership for a Sustainable Fisheries Investment Fund in the Large Marine Ecosystems of Sub-Saharan Africa (FAO, 2005). Prepared programme monitoring and evaluation criteria based on the objectives of the Strategic Partnership and the WSSD poverty reduction and fisheries targets.
- **Yemen:** Fisheries sector project preparation (EC DG Development, 2005). Prepared technical and financing requirements for fisheries information system development and seafood quality control projects.
- **UK:** Mid-term evaluation of FIFG expenditure (DEFRA, 2003). Review of the FIFG expenditure to satisfy spending criteria for fishing industry grants.
- **NW Atlantic:** Evaluation of the NAFO onboard observer programme (EC, 2002). Evaluated the cost-benefits of providing of scientific data through the EC on-board observer programme for the NW Atlantic.

Specialist studies

- **Philippines:** Value chain analysis for the GenSan tuna port (USAID/Bold Native, 2016)
- **Philippines:** Regional fishing port development study (Private client, 2015). Ongoing fisheries advice to a PPP project at a major tuna port in the southern Philippines.
- **Nigeria:** Fisheries resettlement study (Private client, 2008). Assessed the impact of resettling coastal fisheries communities as a result of a LNG development.
- **Global:** Review of the use of Spirulina for human and animal feed use (FAO, 2006). Prepared a FAO Technical Paper on the use of the unicellular Spirulina algae as a nutritional source for humans and fish.
- **Scotland:** Fish waste utilisation study (Scottish Environment Protection Agency, 2004). Examined options for the disposal and recovery of waste materials from Scottish aquaculture and fish processing.
- **Sultanate of Oman:** Sardine drying improvement (Government, 1991). Analysed the domestic and export markets for dried sardines and determined of the cost-effectiveness of up-grading fish drying technology.

Other relevant information

In addition to project reports, formally published documents / journal articles / reports include:

- Gilman, E., A. Perez Roda, **T. Huntington**, S. Kennelly, P. Suuronen, M. Chaloupka & P. Medley (2020). Benchmarking global fisheries discards. *Sci Rep* 10, 14017 (2020). <https://doi.org/10.1038/s41598-020-71021-x>
- **Huntington, T (2019)**. Marine Litter and Aquaculture Gear – White Paper. Report produced by Poseidon Aquatic Resources Management Ltd for the Aquaculture Stewardship Council. 20 pp plus appendices. <https://www.asc-aqua.org/what-we-do/programme-improvements/gear-management/#marine-litter-and-aquaculture-gear-asc-white-paper>
- Hosch, Gilles; Soule, Bradley; Schofield, Max; Thomas, Trevor; Kilgour, Charles; and **Huntington, Tim** (2019) "[Any Port in a Storm: Vessel Activity and the Risk of IUU-Caught Fish Passing through the World's Most Important Fishing Ports](#)," *Journal of Ocean and Coastal Economics*: Vol. 6: Iss. 1, Article 1. DOI:
- Pérez Roda, M.A. (ed.), Gilman, E., **Huntington, T.**, Kennelly, S.J., Suuronen, P., Chaloupka, M. and Medley, P. (2019). [A third assessment of global marine fisheries discards](#). FAO Fisheries and Aquaculture *Technical Paper* No. 633. Rome, FAO. 78 pp.
- Macfadyen, G., **T. Huntington** and R. Cappell (2018). [Maximising the chances for positive impacts of fisheries and aquaculture Official Development Assistance](#). *Marine Policy* August 2018
- **Huntington, T (2017)**. [Development of a Best Practice Framework for the Management of Fishing Gear](#). Global Ghost Gear Initiative.
- **Huntington, T., F. Nimmo & G. Macfadyen (2015)**. [Fish Landings at the World's Commercial Fishing Ports](#). *Journal of Ocean and Coastal Economics*: Vol. 2, Article 4.
- **Huntington T., & M.R. Hasan (2009)**. [Fish as feed inputs for aquaculture – practices, sustainability and implications: a global synthesis](#). In 'Fish as feed inputs for aquaculture: practices, sustainability and implications' (Hasan, M.R & Halwart, M., eds). FAO Fisheries and Aquaculture *Technical Paper*. No. 518. Rome, FAO. 2009. 1-61: 407p.
- **Huntington, T (2009)**. [Use of wild fish and other aquatic organisms as feed in aquaculture – a review of practices and implications in Europe](#). In 'Fish as feed inputs for aquaculture: practices, sustainability and implications' (Hasan, M.R. & Halwart, M., eds). FAO Fisheries & Aquaculture *Technical Paper*. No. 518. Rome, FAO. 2009. 209-268: 407p.
- Hedley, C & **T. Huntington** (2009). [Regulatory and Legal Constraints for European Aquaculture](#). Study Directorate General for Internal Policies Policy Department B: Structural & Cohesion Policies, European Parliament. 102p.
- Macfadyen, G. and **T. Huntington** (2009). [Certification and Sustainable Fisheries](#). *UNEP Division of Technology, Industry and Economics*. 86 p.
- Macfadyen, G. and **T. Huntington** (2004). [Human capacity development in fisheries](#). FAO Fisheries Circular. No. 1003. Rome, FAO. 2004. 80p.
- Macfadyen, G., **T. Huntington** and R. Cappell (2009). [Abandoned, lost and otherwise discarded fishing gear](#). *UNEP Regional Seas Reports and Studies*, No. 185; *FAO Fisheries and Aquaculture Technical Paper*, No. 523. Rome, UNEP/FAO. 115 p.
- Habib, M.A.B.; Parvin, M.; **Huntington, T.C.** and Hasan, M.R. (2008). [A review on culture, production and use of Spirulina as food for humans and feeds for domestic animals and fish](#). *FAO Fisheries and Aquaculture Circular*. No. 1034. Rome, FAO. 33p.
- Wilson, G., A.R.G. Price, **T.C. Huntington** and S.C. Wilson (2003). [Environmental status of Yemen's Gulf of Aden coast determined from rapid field assessment and satellite imagery](#). *Aquatic Ecosystem Health and Management*, 6(2): 119-129