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Citizenship United States; Permanent Resident status in Japan and Hong Kong SAR, China

Education **PhD** *Quantitative Fisheries Science, Imperial College London, 2003*
MSc *Fisheries and Marine Policy, University of Washington, 1988*
BA (Hons) *Zoology, University of North Carolina-Chapel Hill, 1986*

Employment History

Technical Coordinator-Sharks and Bycatch, Common Oceans (ABNJ) Tuna Project, FAO/WCPFC (June 2014- to present). Responsible for a US\$ 3.2M portfolio of projects designed to mitigate the adverse impacts of bycatch on biodiversity in global tuna fisheries.

Principal, Sasama Consulting (Sept. 2012-May 2014). Various consulting projects for FAO, NOAA, New Zealand's MPI and WWF-China.

Technical Director, MRAG Asia Pacific, Japan Representative Office (Sept. 2011-August 2012). Various consulting projects for the Cook Islands Government, FAO, World Bank, New Zealand's MPI and the Australia Northern Prawn Fishery's Marine Stewardship Council's certification.

Shark Assessment Scientist, Secretariat of the Pacific Community, New Caledonia (July 2010-August 2011). Responsible for development and implementation of a Shark Research Plan for the Western and Central Pacific Fisheries Commission.

Visiting Researcher, Imperial College London and Senior Fishery Researcher, MRAG Asia Pacific (July 2006-June 2010). Various consulting projects for DEFRA (UK Government), FAO, SPC and WCPFC.

Visiting Scientist, Joint Institute for Marine and Atmospheric Research, University of Hawaii and National Research Institute of Far Seas Fisheries, Shimizu, Japan, December 2003 –June 2006. Post-doctoral studies involving analysis of Japanese fishery logbook records and stock assessment, and interview surveys of nearshore and far seas Japanese longline fishermen.

Professional Experience

Catch Documentation, Catch Certification and Vessel Identification Schemes

- Clarke, S. 2010. *Best Practice Study of Fish Catch Documentation Schemes*. MRAG-Asia Pacific for DEFRA, United Kingdom. <https://www.wcpfc.int/node/2683>
- Clarke, S. 2010. *Development of a Comprehensive Global Record of Fishing Vessels, Refrigerated Transport Vessels and Supply Vessels - Investigation of Unique Vessel Identifier (UVI) and Phasing Options*. MRAG-Asia Pacific for the UN Food and Agriculture Organization, Rome. <https://bit.ly/2ThrTEi>
- Clarke, S. 2008. *Understanding China's Fish Trade and Traceability Systems, TRAFFIC, Hong Kong and Understanding China's Distant Water Fishing Activities, TRAFFIC, Hong Kong*. <https://bit.ly/2MBbPKR>

Potential IUU Fisheries and Trade Flows

- Clarke, S. and G. Hosch. 2013. *An Analysis of Traceability Systems Documenting the Legal Provenance of Russian Salmon and Whitefish through China: From Fishing to Factories to Frozen Food*. <https://bit.ly/2CKlxpQ>
- Clarke, S. 2012. *Developing and Applying a Methodology to Estimate Illegal Take from New Zealand Rock Lobster Fisheries – Final Report*. Ministry of Agriculture and Forestry, New Zealand Government.
- Clarke, S.C., M.K. McAllister and R.C. Kirkpatrick. 2009. *Estimating legal and illegal catches of Russian sockeye salmon from trade and market data*. ICES Journal of Marine Science 66(3): 532-545. <https://bit.ly/2CMZēju>

Reconstruction of Historical Catch Series from Trade Data

- Clarke, S. 2018. *Historical Catch Estimate Reconstruction for the Pacific Ocean based on Shark Fin Trade Data (1980-2016)*. WCPFC-SC14-2018/SA-IP-09. <https://www.wcpfc.int/node/31003>
- Clarke, S. 2016. *Historical Catch Estimate Reconstruction for the Atlantic Ocean based on Shark Fin Trade Data*. SCRS-2015-069. https://www.iccat.int/Documents/CVSP/CV072_2016/n_1/CV072010197.pdf
- Clarke, S. 2015. *Historical Catch Estimate Reconstruction for the Indian Ocean based on Shark Fin Trade Data*. IOTC-2015-WPEB11-24. <https://bit.ly/2TjSZuo>

Studies of Shark Fin and Shark Meat Markets and the Regulation of Shark Finning

- Clarke, S. 2018. *An assessment of shark finning in Indian Ocean Tuna Commission Fisheries*. IOTC-2018-WPDCS37-14. <https://bit.ly/2DBNZvE>
- Clarke, S. 2016. *Data Available to the Commission to Address the Implementation and Effectiveness of CMM 2010-07 regarding Shark Finning*. WCPFC-TCC12-2016-20 (rev 1). <https://www.wcpfc.int/node/27847>
- Dent, F. and S. Clarke. 2015. *State of the global market for shark products*. FAO Fisheries and Aquaculture Technical Paper No. 590. Rome, FAO. 187 pp. <https://bit.ly/2SczVkg>
- Eriksson, H. and S. Clarke. 2015. *Chinese market responses to overexploitation of sharks and sea cucumbers*. Biological Conservation 184: 163-173. <https://www.sciencedirect.com/science/article/abs/pii/S0006320715000397>
- Clarke, S.C., Francis, M.P., Griggs, L.H. 2013. *Review of shark meat markets, discard mortality and pelagic shark data availability, and a proposal for a shark indicator analysis*. New Zealand Fisheries Assessment Report 2013/65. 74 pp. <https://bit.ly/2WjzTGB>
- Clarke, S. 2013. *Towards an Integrated Shark Management Plan for the Western and Central Pacific Ocean*. SC9-EB-WP-08. Western and Central Pacific Fisheries Commission, Micronesia. <https://www.wcpfc.int/node/4742>
- Clarke, S.C., E.J. Milner-Gulland and T. Bjørndal. 2007. *Perspective: Social, economic and regulatory drivers of the shark fin trade*. Marine Resource Economics 22: 305-327. <https://bit.ly/2CSW4dM>
- Clarke, S.C., M.K. McAllister, E.J. Milner-Gulland, G.P. Kirkwood, C.G.J. Michielsens, D.J. Agnew, E.K. Pikitch, H. Nakano and M.S. Shivji. 2006. *Global Estimates of Shark Catches using Trade Records from Commercial Markets*. Ecology Letters 9: 1115-1126. <https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1461-0248.2006.00968.x>
- Clarke, S.C., J.E. Magnussen, D.L. Abercrombie, M.K. McAllister and M.S. Shivji. 2006. *Identification of Shark Species Composition and Proportion in the Hong Kong Shark Fin Market Based on Molecular Genetics and Trade Records*. Conservation Biology 20(1): 201-211. <https://bit.ly/2FUwwAU>
- Clarke, S. 2005. *Trade in Shark Products in Singapore, Malaysia and Thailand*. Southeast Asian Development Center and ASEAN, Singapore. (available on request)
- Clarke, S. 2004. *Shark Product Trade in Hong Kong and Mainland China, and Implementation of the Shark CITES Listings*, TRAFFIC East Asia, Hong Kong. <https://bit.ly/2UgQ2eb>