

ABBREVIATED CURRICULUM VITAE

KEVERN LAURENCE COCHRANE

a. Education

Years	Qualification and Institution
1981 - 1985	Ph.D., Centre for Resource Ecology, U. of the Witwatersrand. Title of thesis: “The population dynamics and sustainable yield of the major fish species in Hartbeespoort Dam.”
1980 - 1981	Higher Diploma in Education, U. of South Africa (UNISA), part-time. Distinctions in Empirical Education and Subject Didactics: Mathematics.
1975 - 1978	M. Phil , U. of Zimbabwe. Title of thesis: “Seasonal fluctuations in the catches of <i>Limnothrissa miodon</i> . (Boulenger) in Lake Kariba.”
1971 - 1973	B.Sc. (Hons), University of Zimbabwe, Harare, Zimbabwe. Chemistry 1, majors in Geology and Zoology.

b. Work Experience

01/02/2012 – Present

Professor, Department of Ichthyology and Fisheries Science, Rhodes University, Grahamstown, South Africa (appointed 1 May 2012), in a part-time capacity, undertaking research and providing scientific support in the fields of fisheries policy, governance and management.

Consultant, Cape Town, South Africa, working both privately and in association with CapFish SA, a Cape Town based environmental monitoring company. Work focuses on fisheries management and sustainable development.

In these roles I have been engaged in a diversity of activities centred on provision of scientific advice and technical support at national level, including for Australia, Namibia and South Africa, and to regional and global bodies including the South West Indian Oceans Fisheries Project (SWIOFP), the Benguela Current Commission, FAO and the Global Environment Facility (GEF). I was Chair of the Steering Board of the Global Sustainable Seafood Initiative (GSSI) from the beginning of 2013 until 31 July 2014. My research activities focus on responsible fisheries management within the framework of an ecosystem approaches to fisheries, marine ecosystem-based management, South and southern African fisheries policies and management, and adaptation to climate change in fisheries.

01/01/10 – 31/01/2012

Director (D-2): Resources Use and Conservation Division, Fisheries and Aquaculture Department, Food and Agriculture Organization of the United Nations (FAO), Rome, Italy.

In this position I provided supervision and guidance to the three Services in the Division, consisting of approximately 70 professional and support staff, in all aspects of strategic and work planning and implementation, covering marine and inland capture fisheries and aquaculture. The work of the Division is aimed at providing support to national governments and regional organizations. As Director I was closely involved in liaison with senior governmental officials from many countries and the secretariats of inter-governmental bodies on a wide range of matters related to fisheries management, policies and legislation. On behalf of FAO, I coordinated the development of the GEF programme on Sustainable Fisheries Management and Biodiversity Conservation in Areas Beyond National Jurisdiction (ABNJ).

01/07/07 – 31/12/09

Chief (D-1): Fisheries Management and Conservation Service (FIMF), Fisheries and Aquaculture Department, FAO.

As Chief of the Service I was responsible for planning, supervising and ensuring implementation of work programme of FIMF which consisted of a total of 28 staff members at FAO Headquarters in Rome and decentralised offices in Malaga, Spain and Athens, Greece. The work of the Service focused on fisheries resource management and conservation around the world and encompassed management planning, policy development, capacity building, fisheries assessment and related matters. In this position I also represented the Organization at relevant international meetings such as the FAO Committee on Fisheries (COFI), regional fisheries bodies, the Convention on International Trade in Endangered Species of Fauna and Flora (CITES), Convention on Migratory Species (CMS), UNEP, World Trade Organization and others.

01/10/95- 30/06/07

Fishery Resource Officer (P-4) and Senior Fishery Resources Officer (P-5).

During more than 10 years as a Professional Officer with the Fisheries and Aquaculture Department, FAO, I was involved in a wide range of activities related to fisheries assessment and management, with a particular emphasis on implementation of the Code of Conduct for Responsible Fisheries and the ecosystem approach to fisheries (EAF). I played a leading role in the development of the concept and practice of EAF and was active in supporting and promoting its implementation in several regions including the Benguela Current countries. During this period my regional responsibilities covered the south east Atlantic (Angola, Namibia and South Africa) as well as the Caribbean and Latin American countries of the western central Atlantic region. I was responsible for implementation of several donor-funded projects including, as International Project Coordinator, the BCLME/FAO/GEF project on “Ecosystem Approaches for Fisheries (EAF) Management in the BCLME” from 2004-2006.

01/12/1988 – 30/09/1995

Various positions at the Sea Fisheries Research Institute (now Department of Agriculture Forestry and Fisheries), Cape Town, South Africa.

My activities and responsibilities in these positions included:

- undertaking ecosystem-oriented research to assist in management of marine resources;
- as Head of the Pelagic Section, responsibility for coordination of research necessary to manage the pelagic commercial fishery; and
- as Head of the Stock Assessment Division, responsibility for coordination of research related to stock assessment and numerical analyses necessary for the provision of scientific advice on the utilisation of South African marine populations.

In performance of these duties I interacted closely with stakeholders in the fisheries sector and others. Other activities undertaken during this time included being Chairman of the Benguela Ecology Programme (Phase III, 1992-1994), initiating and convening the first SFRI investigations into systems and allocation of access rights in preparation for transformation of the fisheries sector in post-apartheid South Africa (1994-1995); and member of the Leadership Group of the Committee for Marine Science established by FRD/Department of Environment Affairs (1993-1994)

c. Publications.

More than 60 publications in the primary scientific literature or book chapters, plus similar number of technical reports etc. Some selected examples are:

- Cochrane, K.L., G. Bianchi, W. Fletcher, D. Fluharty, R. Mahon and O.A. Misund. 2014. Regulatory and governance frameworks. In *Marine Ecosystem-Based Management*, Eds: M.J. Fogarty and J.J. McCarthy. *The Sea* 16. Harvard University Press, Cambridge. 77-119.
- Porter, J.R., L. Xie, A.J. Challinor, K.L. Cochrane, S.M. Howden, M.M. Iqbal, D.B. Lobell, and M.I. Travasso, 2014: Food security and food production systems. In: *Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Field, C.B., V.R. Barros, D.J. Dokken, K.J. Mach, M.D. Mastrandrea, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova,

- B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, and L.L. White (eds.)). Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 485-533.
- Cochrane, K.L., B. Oliver and W. Sauer. 2014. An assessment of the current status of the chokka squid fishery in South Africa and an evaluation of alternative allocation strategies. *Marine Policy* 43: 49–163.
- Ye, Y., K.L. Cochrane and Y. Qiu. 2011. Using ecological indicators in the context of an ecosystem approach to fisheries for data-limited fisheries. *Fisheries Research*, 112 (3). pp 108-116.
- Cochrane, K. L., W. Emerson, and R. Willmann. 2011. Sustainable fisheries: the importance of the bigger picture. In W. W. Taylor, A. J. Lynch, and M. G. Schechter, editors. *Sustainable fisheries: multi-level approaches to a global problem*. American Fisheries Society, Bethesda Maryland. Pp 3–19
- Cochrane, K.L., N.L. Andrew and A. M. Parma. 2011. Primary fisheries management: a minimum requirement for provision of sustainable human benefits in small-scale fisheries. *Fish and Fisheries*, 12 (3), pp. 275-288.
- Cochrane, K.L. and S.M. Garcia (eds). 2009. *A Fishery Manager's Guidebook*, 2nd Edition. FAO and Wiley-Blackwell Publishers. 518pp.
- Cochrane, K.L., C. J. Augustyn, T. Fairweather, D. Japp, K. Kilongo, J. Iitembu, N. Moroff, J. P. Roux, L. Shannon, B. Van Zyl and F. Vaz Velho. 2009. Benguela Current Large Marine Ecosystem—Governance and Management for an Ecosystem Approach to Fisheries in the Region. *Coastal Management* 37, pp 235 – 254
- Cochrane, K. L. 2008. What should we care about when attempting to reconcile fisheries with conservation? In *Reconciling Fisheries with Conservation: Proceedings of the 4th World Fisheries Congress*, Vol. 1, eds. J. Nielson, J. J. Dodson, K. Friedland, T. R. Hamon, J. Musick, and E. Verspoor, 5–24. Bethesda, MD: American Fisheries Society.
- Cochrane, K.L. and D. Doulman. 2005. The rising tide of fisheries instruments and the struggle to keep afloat. *Trans. Roy. Soc. Series B*. **360** (1453): 77 – 94.
- Garcia, S. M., and Cochrane, K. L. 2005. Ecosystem approach to fisheries: a review of implementation guidelines. *ICES J. Mar. Sci.*, **62**: 311-318.
- Wessells, C.R.; Cochrane, K.; Deere, C.; Wallis, P.; Willmann, R. *Product certification and ecolabelling for fisheries sustainability*. FAO Fisheries Technical Paper. No. 422. Rome, FAO. 2001. 83p.
- Cochrane, K.L. and R. Willmann. 2000. Ecolabelling in fisheries management. In: *Current fisheries issues and the FAO*. Proceedings of the Conference "Current fisheries issues and the Food and Agriculture Organization of the United Nations". Nordquist, M.H. and Moore, J.N. (eds). Centre for Oceans Law and Policy. The Hague, Martinus Nijhoff. pp 583-615.
- Cochrane, K.L., Butterworth, D.S., de Oliveira, J.A.A. and Roel, B.A. 1998. Management procedures in a fishery based on highly variable stocks and with conflicting objectives: experiences in the South African pelagic fishery. *Rev. Fish Biol. Fisheries*, 8: 177-214.