CURRICULUM VITAE

NAME Anthony Leiman

DATE OF BIRTH 16th April 1954

ADDRESS c/o School of Economics

 U.C.T.

 P. Bag Rondebosch

 7700

 R.S.A.

EDUCATION University of Natal (Pietermaritzburg)

 BA 1975

 BA(hons) [Economics] 1976

 HDE 1977

 University of South Africa

 BA(hons) [English] 1983

 University of Cape Town

 MA [Economics] (distinction) 1985

DISSERTATION

Title: INFORMAL PRODUCTION IN ZIMBABWE:

 A study of production methods and intersectoral relations with special

 reference to the clothing industry.

Supervisor: Prof. Z.S.A. Gurzynski, UCT.

WORK EXPERIENCE Teacher: Fort Victoria High School

Rhodesia Ministry of Education.

Jan. - Sept. 1978.

 Economist: Reserve Bank of Zimbabwe

Sept.1978 -Sept. 1980.

 Teacher: Herzlia High School

 Cape Town. Jan. - Dec. 1981.

 Tutor: School of Economics, UCT

 Feb. 1982 - Dec. 1982

 Convenor: Academic Support Programme School of Economics, UCT.

 Aug. 1982 - Dec. 1985.

 Lecturer (temporary appointment):

 School of Economics, UCT.

 Jan. 1983 - Dec. 1985.

 Lecturer: Economics Department,

 University of Natal, Pietermaritzburg.

 Jan 1986 - Dec. 1987.

 Lecturer: School of Economics, UCT.

 Jan. 1988 - June 1996.

 Senior Lecturer: School of Economics, UCT.

 July 1996 – Sept 2005

 Assoc. Professor: School of Economics, UCT.

October 2005 – December 2019

Emeritus Assoc. Prof. UCT

January 2020 - …

OTHER (academic) External examiner:

Cape Town College of Education, 1985. University of Natal (Durban), 1987.

 University of Western Cape, 1988 and 2012-2015.

 University of Natal, (Pietermaritzburg) 1992- Jan 2005

 University of Witwatersrand 2008-2015

 NMMU 2009-2015

Sabbatical studies 1993/1994 University College London. Audited Masters Programme in Environmental and Resource Economics

 2001/2002 University of Queensland, Brisbane. Audited Masters courses in Cost-Benefit Analysis and in Evolutionary Economics

**Membership of Professional Associations:**

South African Economic Association

Association of Environmental and Resource Economists

## European Association of Environmental and Resource Economists

 International Association for Impact Assessment (S.A.)

**PUBLICATIONS**

**SAPSE Journals:**

“Formal/Informal sector articulation in the Zimbabwean economy.” *Journal of Contemporary African Studies*. Vol 4 no.12 1984/5.

“Monetary approaches to the estimation of the hidden economy. An evaluation for South Africa.” *Studies in Economics and Econometrics*. vol 14(3) 1990. (with G.M. Hartzenberg)

“The direct and indirect costs of cardio-vascular disease in South Africa in 1991”. *South African Journal of Medicine*, (May, 1996). (with Pestana, Hartzenberg and Steyn).

“Evaluating options for the provision of water to Metropolitan Cape Town, the use of

cost benefit analysis and multicriterion decision analysis in a fynbos environment”

*Ecological Economics*, vol 22, 1997. p123-140. (with A. Joubert et al)

“Hedonic Approaches to to Estimating the Impacts of Open Spaces: a case study in the Cape”. *South African Journal of Economics and Management Sciences*. Vol 5 no 2. 379-394. June 2002. (With H. van Zyl)

“Efficiency and Road Privatisation: bidding, tolling and the User-Pays principle. *South African Journal of Economics*  vol 71 no 2 p24-264, June 2003

The Economics of Plastic Bag Legislation in South Africa. *South African Journal of Economics*. Vol 75 no 1. March 2007 p67-83 (With R. Hasson and M. Visser)

Reducing the Healthcare Costs of Urban Air Pollution: the South African Experience. *Journal of Environmental Management*. [Volume 84 no 1](http://www.sciencedirect.com/science?_ob=PublicationURL&_tockey=%23TOC%236871%232007%23999159998%23647179%23FLA%23&_cdi=6871&_pubType=J&view=c&_auth=y&_acct=C000033878&_version=1&_urlVersion=0&_userid=635696&md5=aa1990217809344d3c8bc70b07ed96a9), July 2007, Pages 27-37 (with B. Standish, H. Van Zyl and A. Boting)

Calabashes for kilowatt-hours: Rural energy and market failure. *Energy Policy* 38 (2010) p2729–2738 (With M. Howells, S. Jonsson, E. Kack, P. Lloyd, K. Bennett, & B. Conradie).

Dikgang, J. , Leiman, A. and Visser, M. 'Elasticity of demand, price and time: lessons from South Africa's plastic-bag levy', *Applied Economics*, June 2011,p1-4.

A green revolution betrayed? Seed technology and small scale maize farmers in Zimbabwe,*Development Southern Africa* Vol. 28 No. 4 (October 2011) with Alexander Behar

Analysis of the plastic-bag levy in South Africa. [*Resources, Conservation and Recycling*](http://www.sciencedirect.com/science/journal/09213449)*.* [Vol 66](http://www.sciencedirect.com/science/journal/09213449/66). September 2012, pp59–65 with Johane Dikgang and Martine Visser

Resource rents and resource management policies in Namibia’s post-Independence hake fishery. *Maritime Studies* 2014, **13**:7 with Carola Kirchner <http://www.maritimestudiesjournal.com/content/13/1/7>

“An analysis of the structural changes in the offshore demersal hake (Merluccius capensis and M. paradoxus) trawl fishery in South Africa”. [*Marine Policy*](http://www.sciencedirect.com/science/journal/0308597X) [Volume 50, Part A](http://www.sciencedirect.com/science/journal/0308597X/50/supp/PA), December 2014, Pages 270–279 with [Rachel Cooper](http://www.sciencedirect.com/science/article/pii/S0308597X14001705) & [Astrid Jarre](http://www.sciencedirect.com/science/article/pii/S0308597X14001705)

Ashleigh Arton; Anthony Leiman; Gillian Petrokofsky; Hilde Toonen; Francis Neat; Catherine S Longo. What do we know about the impacts of the Marine Stewardship Council seafood ecolabelling program? A systematic map protocol. *Environmental Evidence* **7**:29 **December, 2018**

<https://environmentalevidencejournal.biomedcentral.com/articles/10.1186/s13750-018-0143-1>

**Chapters in books:**

“The informal Economy and its Growth Potential.” in Abedian I. and Standish B. (eds.) *Economic Growth in South Africa.* Oxford University Press, Cape Town, 1992. (with G. M. Hartzenberg)

“Inward Industrialisation and Petty Entrepreneurship: recent experience in the construction industry”. in Rogerson C. and Preston-Whyte E. *South Africa's Informal Economy.* Oxford University Press, Cape Town, 1991. p345-364. (with W Krafchik)

“Project Evaluation and the Distribution of Income.” in Hallowes D. (ed.) *Hidden Faces: environment, development, justice: South Africa and the global context.* Earthlife, Pietermaritzburg, 1993. p201-212.

Multicriterion decision and cost benefit analyses in the decision world: a critical evaluation. In proceedings of conference “*ecology, society , economy*” Paris, May 1996. (with A. Joubert)

Case Study Compendium: “Africa Region Case Studies” (chapters 1 to 4) with H. Van Zyl and T. Store, in: Rietbergen-McCracken, JA and Abaza, H (eds.)*. Environmental Valuation: A Worldwide Compendium of Case Studies*. Earthscan, London. 2000.

A Framework for the Economic Evaluation of Water Conservation and Water Demand Management Measures. *International Association of Hydrological Sciences Red Book*: (Integrated Water Resources Management Symposium, Stellenbosch 2003) (with H Van Zyl)

Chapters 10 and 16 in Blignaut, J & De Wit, M (Eds). *Sustainable Options: Development Lessons from Applied Environmental Economics*. UCT Press. Cape Town. 2004.

Healthcare Costs of Urban Air Pollution in South Africa ch 11 in *The Globalization of Cost-Benefit Analysis in Environmental Policy***,** Michael A. Livermore and Richard L. Revesz (eds) OUP 2013

# “The evolution and economic impacts of post-apartheid environmental legislation”. Ch 52. In Bhorat, Hirsch, Kanbur & Ncube eds. *The Oxford Companion to the Economics of South Africa*. OUP 2015.

Chapter 10: Impacts on the Economy, in Lochner, P. Schreiner, G. Snyman-van der Walt, L. de Jager, M. & Scholes, R. (2017) *Shale Gas Development in the Central Karoo: A Scientific Assessment of the Opportunities and Risks*, CSIR, Pretoria, pp.10-1 to 10-48 (with H. Van Zyl, B. Standish and S. Fakier)

**Other refereed publications:**

“Aspects of the economies in Zimbabwe and Malawi." *Institute of Race Relations* 1985.

“The Informal Economy” *UCT teaching resource aids*. 1987.

“Sizing up the informal sector” *Indicator South Africa.* vol 7: 2 1990 (with G. Hartzenberg)

“The Economics of conserving land” in *The Sustainable Use of the Western Cape Lowlands.* B. Heydenrych, Burgers, C. and Oberholzer C. (eds.). Botanical Society of South Africa, FCC Report 96/2.

Privatisation in the Water Industry of South Africa: Identifying relevant Issues. *Trade and Industry Monitor.* Vol 17, March 2001. p6-10. (with B. Standish)

Competition Policy and Privatisation in the South African Water Industry. *DPRU working papers* No 01/45 March 2001. (with B. Conradie, Goldin J., Standish B. and Visser M.)

*Valuation of Open Space in the Cape Metropolitan Area*. City of Cape Town. December 2001. with J. Turpie, A. Joubert, H. Van Zyl & B. Harding.

*Development of a framework for the economic valuation of water conservation / water demand management measures with specific application to decision making in Cape Town*. Water Research Commision – WRC report No 1275/1/02 October 2002. (with H. Van Zyl)

Efficiency and Road Privatisation: bidding, tolling and the ‘user-pays’ principle. *Trade and Industry Monitor*. vol 26 June 2003.

*Agriculture, Water Use and the Macro Economy*. Development Bank of South Africa and WWF. http://www.dbsa.org/macroeconomic/htm (With J. Eckert and B. Conradie) on DBSA website (2002)

*Energy Supply Sector – Coal Mining*. Development Bank of South Africa and WWF. <http://www.dbsa.org/macroeconomic/htm> (with H. Van Zyl and J. Raimondo) on DBSA website (2002)

*Manufacturing and Economic Growth*. Development Bank of South Africa and WWF. <http://www.dbsa.org/macroeconomic/htm> (with M. Visser and R. Spalding-Fecher) on DBSA website (2002)

*Cost Benefit Analysis a users’ guide*. Dept of Environment Affairs and Tourism. 2004. www.environment.gov.za/Documents/ Publications/2005Jan7/Book3.pdf (with K. Tuomi)

*The Costs and Benefits of urban river and wetland rehabilitation projects with specific reference to their implications for municipal finance: case studies in Cape Town.* WRC Report No. KV 159/04. Water Research Commission. December 2004. (with Van Zyl and Jansen)

*Guidelinbe for involving economists in EIA processes. Edition 1*. CSIR report No ENV-S-C 2005 053 G. Republic of South Africa, Provincial Government of the Western Cape. Department of Environmental Affairs and development Planning. Cape Town. June 2005. [With H. Van Zyl and M. de Wit.] <http://www.csir.co.za/websource/ptl0002/docs/environmentek/deadp_economics_guideline_june05.pdf>

*Market Analysis Of Major Fish Product Markets In The Benguela Current Large Marine Ecosystem* BCLME Project LMR/SE/03/02*.* (2006). Harris T. and Leiman A http://www.bclme.org/projects/docs/Final%20report%20LMR-SE-03-02%20(markets).pdf

*The Desirability Of Balanced Trade In Fish And Fish Products Among The Three BCLME Countries.*  BCLME Project LMR/SE/03/02 (2006). Savy C.E.. and Leiman A. http://www.bclme.org/projects/docs/Final%20report%20LMR-SE-03-02%20(Balanced%20trade).pdf

*Recommendations On Beneficiation And Commercialization Of Fishing Activities In The BCLME Region.* BCLME Project LMR/SE/03/02 (2006). Leiman A. and Arnoni R. http://www.bclme.org/projects/docs/Final%20report%20LMR-SE-03-02%20(Beneficiation).pdf

*Rightholder and Vessel Report.* BCLME-LMR-SE-03-03 (2006). Oellerman L. and Leiman A. http://www.bclme.org/projects/docs/Final%20report%20LMR-SE-03-03%20(right%20holder%20&%20vessels%20report).pdf

*Microeconomic Systems Analysis of fisheries in the BCLME Region.* (2006). BCLME Project LMR/SE/03/03 Geel K., Crosoer D. and Leiman A. http://www.bclme.org/projects/docs/Final%20report%20LMR-SE-03-03%20(Micro-Economic%20System%20Analysis).pdf

World Bank - Macro-Economic Evaluation of the South African Fishing Industry. (with K. Pauw and T. Harris) Feb 2008

 “The Car Guards of Cape Town: A Public Good Analysis” *Saldru Working Paper #25* October 2008 (with H. McEwen)

 “[The Design, Compilation, and Interpretation of Satellite Accounts for South Africa’s Fisheries: Some Critical Thoughts](http://www.rff.org/Publications/Pages/PublicationDetails.aspx?PublicationID=20755)”. *RFF Discussion Paper EfD 09-04* | March 2009. (With T. Harris)

Taxation and Regulation of Plastic Shopping Bags in Botswana and South Africa *Resources Magazine* (weekly policy commentary) RFF January 10, 2011

<http://www.rff.org/Publications/WPC/Pages/Taxation-and-Regulation-of-Plastic-Shopping-Bags-in-Botswana-and-South-Africa.aspx>

Economic Planning for Sustainability in the Face of Climate Change. *Focus*. 63:39-44. Nov 2011.

*Managing Natural Resources for Sustainable Growth and Human Development – the Case of Extractive Industry.*Background Paper # 6: Tanzania Human Development Report (THDR) Project. February 2014. (with Razack Lokina)

“Marine Management and Industry Profits: what is the threat to South Africa’s offshore fisheries?” *Environment.* 22. p32/33. Autumn 2015 <http://www.environmentmag.co.za/ebook/Env-22>

“Conservation, Competition and Industrial Organization in the South African Fishing Industry” *Focus* 75: 69-74. May 2015 <http://crm.opennetworks.com/references/emailReply?onRN01=mnVFB1Q6MTmEqAxpbYPBZom6gBxCb2w0mog0B1Q6MTk2O47xMExsb2d3R4WxO4a5g4IEqAxpbYP3Z9a6OQNN>

Economic Issues in Mine waste Management, in *Waste and Wealth:* *Mineral Law in Africa Occasional Papers*, Issue 1. p 36/7. 2017

*Mineral Resource Accounting Measures in Africa*, Working Paper Series N° 283, African Development Bank, Abidjan, October 2017. (with Louis Moussi Sopp)

[https://www.afdb.org/en/documents/document/working-paper-283-mineral-resource-accounting-measures-in-africa-98158/](https://protect-za.mimecast.com/s/kjipC2Rq5WiEqyV4c0IKPm)

**Papers presented and Working Papers:**

“The microeconomics of HIV infection”. Conference on HIV infection convened by the Economic Research Unit, University of Natal, Durban. July, 1991. (with G.M. Hartzenberg and D.E. McIntyre)

“Project appraisal methods and the distribution of income.” Earthlife Africa Conference, Pietermaritzburg, September, 1992.

“Cross sectional and inter-temporal income inequality: implications for Impact Assessment”. Conference of International Association for Impact Assessment, June 1995.

Economic Issues in Environmental Impact Assessment; broadening the concept. Workshop on EIA3 , Harare, September 1997.

Natural Resource Economics and the SDI process. Workshop on Spatial Guidelines for Infrastructure Investment and Development Programmes. Pretoria. 9 April 1999.

“Trading off the economy and ecology: can we afford to protect biodiversity?” National Research Foundation. Durban. 13 August, 2002.

"A framework for the financial and economic evaluation of water conservation/demand management measures" Water Research Conference, Stellenbosch. February 2003.

“The Privatisation Debate and the Development of Toll-Roads” TIPS Forum, Johannesburg, March 2003.

“A Case Study of Hedonic Pricing – the valuation of urban water bodies in Greater Cape Town” TIPS workshop “Valuation of the Environment” April 2003

“Costs and Benefits of the Rehabilitation of the Lower Silvermine River Estuary in Cape Town”. National workshop on resource economics as a tool for management and conservation of estuaries in South Africa. March 2005

“The Car Guards of Cape Town: A Public Good Analysis” *Saldru Working Paper #25* October 2008 (with H. McEwen)

“A Green Revolution Betrayed? Seed Technology And Small Scale Maize Farmers in Zimbabwe”. *DPRU working paper* 2008. (With A. Behar)

“[The Design, Compilation, and Interpretation of Satellite Accounts for South Africa’s Fisheries: Some Critical Thoughts](http://www.rff.org/Publications/Pages/PublicationDetails.aspx?PublicationID=20755)”. *RFF Discussion Paper EfD 09-04* | March 2009. (With T. Harris)

“Healthcare Costs of Urban Air Pollution in South Africa” *Global Cost-Benefit Analysis:  Opportunities and Challenges*, NYU- Abu Dhabi, October 26-27, 2010

“The Economics of Karoo Shale Gas”. IIR Conference, Johannesburg. 11 April 2013

“Benguela Phosphate Mining: economic issues and debates”. UNEP/Convention on Biodiversity/Sustainable Ocean Initiative: national capacity development workshop for Namibia. 11-16 October 2015.

A fragmented fishing industry is bad for fish – and fishermen (editorial with Johann Augustyn) Sadstia Newsletter No 2. October 2015.

<http://sadstia.co.za/index.php/news/newsletters#newsletter-no-2-23-october-2015>

The Economics of Controlling and Recycling Mining Waste: *Mineral Law in Africa*, seminar on ‘Mining & Waste’. 27 May 2016

**Professional Reports:**

“Report on changes in the amenity value of the Wit and Molenaars Rivers in the event of dam construction.” February 1995. Ninham Shand inc. (Upper Berg River Water Supply Project).

“Proposed Changes to Saldanha Bay Oil Transfer Operations: Cost-Benefit Analysis.

CSIR. 1996. ( with C. Van Horen)

“Economic evaluation of sewage disposal alternatives for East London municipality”. CSIR. 1998 ( With H. Van Zyl).

Economic Specialist Report - Strategic Environmental Assessment of Somchem’s Krantzkop Operation. CSIR. 1998. ( with H. Van Zyl)

Cost Benefit of conservation and development proposals at the Somchem/AECI site, Somerset West. CSIR, 1998. ( with H.Van Zyl)

Economic scoping report of proposed N3 toll road developments over de Beers Pass. Cave Klapwijk and Associates, December 1998. ( With H. Van Zyl)

Economic Development and the Water Situation in Southern Africa. Report to Global Water Partnership/Southern Africa Technical Advisory Committee. BIDPA. Gaberone, June 1999. (with J. Isaksen, H. Semboja and W. Werner)

A preliminary economic evaluation of storage space leasing at the Milnerton tank Farm, and of proposed upgrades to the pipeline, loading arms and tankfarm at the port of Cape Town. CSIR. February, 2000.

# Cost-Benefit study of proposed Zinc mine and processing plant in Gamsberg, N. Cape KPMG, April 2000 (with H. Van Zyl)

Economic scoping report on tolling the N1 and N2 highways. Crowther Campbell. May, 2000

*Guidelines for the cost-benefit analysis of water projects and policies in the Western Cape*. Palmer Development. June 2000. (With H. Van Zyl)

*Regulation and Competition in the Water Industry*. (with B. Conradie, J. Goldin, B. Standish & M. Visser) S. African Competition Commission. January 2001.

*Economic evaluation of existing municipal open spaces*, (with A. Joubert, J. Turpie and H. Van Zyl) [City of Cape Town] 2001.

Economic Efficiency Issues in Highway Tolling. In Standish B. *report on tolling the N1 and N2 highways*. Crowther Campbell

Economic Efficiency Issues in Highway Tolling. In Standish B. *Economic Analysis of unsolicited bids to toll the R300, N1 and N2 highways*. [Crowther Campbell 2002]

*R300 Cape Town ring road / toll project EIA: economic specialist study*. Unpublished report. [Chand Environmental, Cape Town. 2003]. (with Standish, B., Boting, A., van Zyl, H.)

*Environmental Economics Analysis of Ecosystem Goods and Services on the Farm Klipriviersberg, 106 IR, Meyersdal*. Unpublished report. Gauteng Department of Agriculture, Conservation, Environment and Land Affairs. 2003 (With H.Van Zyl)

*Economic evaluation of proposed Ibhubesi Gas Field development*. – scoping report. [Crowther Campbell May 2003] (with F. Bayat and E. Naumann)

*Social and Economic Impacts of Phasing-out ‘Dirty’ Fuels in South Africa*. (with B. Standish, H. Van Zyl and A. Boteng) Documents 4b and 5 in *FRIDGE Dirty Fuels Project* - submission to Nedlac December 2003 [Commissioned by Bentley West].

*Integrated Land Use and Transportation Infrastructure Upgrading of the N1 Corridor*. (with B. Standish, H. Van Zyl and A. Boteng) [H2O Engineering June 2005]

*Economic Impacts of Proposed Development of the Ibhubesi Gas Field and Associated Infrastructure*. Unpublished report. C.C.A. May 2007.

Cost Recovery Policy: Micro Economic Study of South Africa’s Commercial Fishing Industry. S.A. Gov’t. Dept. of Env. Affairs and Tourism/MCM (with Ernst & Young) November 2007.

*Investigation Into The Feasibility Of Utilising The South African Anchovy For Human Consumption*. Unpublished report for MCM. Nov 2009. With D.Japp, ,C. Heinecken & K. Brick.

Investigation of the Request for Inspection *South Africa: Eskom Investment Support Project (EISP).* World Bank. February 2011.

*Financial Provisions for Rehabilitation and Closure in South African Mining: Discussion Document on Challenges and Recommended Improvements.* WWF. August 2012. (With Hugo van Zyl,1Marguerite Bond-Smith, Tessa Minter & Mark Botha)

<http://awsassets.wwf.org.za/downloads/wwf_mining_8_august_low_res.pdf>

*Economic Specialist Study of the Burgan Cape Terminals Fuel Distribution and Storage Facility, Eastern Mole, Port of Cape Town*: February 2014 (with H. Van Zyl)

*Economic Impact Assessment for the Proposed Development of the Ibhubesi Gas Project*. CCA Environmental. September 2015. (with Reviva Hassan)

‘*Economic analysis of Batoka Gorge Hydropower Plant*’**.** For:Climate Change Assessment of the Energy-Water Nexus in the Zambezi River Basin and SAPP.

World Bank. November 2015

*Strategic Environmental Assessment for Marne and Freshwater Aquaculture Development in South Africa.* (Kellerman,L., Lochner, P. and Snyman-van der Walt, L. eds) CSIR. September 2019. (with multiple other authors)

**Teaching (Economics):**

Masters: Resource Economics

 Tools for Economists

Honours: Development Economics.

 Environmental and Resource Economics.

One component (17%) of a course on Economic Policy

Undergraduate: Microeconomics,1st yr, 2nd yr and 3rd yr

 Development, 2nd and 3rdyr

 Money and Banking.1st yr

 Macroeconomics, 1st yr

History of Economic thought

Courses Developed: all Masters and Honours courses were developed in their entirety. Eco1010f (Microeconomics) and eco1011s (macroeconomics) have been extensively revised to increase their relevance to provide practical skills.

Postgraduate Supervision 2013-20019

PhDs: four graduated & two in progress

Masters: fifteen graduated plus two MBA theses, two in progress

Honours: averaging four to six honours long papers annually.

.

**Other Teaching:**

 Lecturer (part-time): Univ of Western Cape; 1989, 1990, 1992, 1995

 Lecturer (part-time) UCT Graduate School of Business AIM Programme 1994/5/6

Environmental Evaluation Unit UCT.course in Integrated Environmental Management 1992 and 1995.

FitzPatrick Institute UCT. M.Sc Programme in Conservation Biology, 1996, 97. 98, 99, 2000

FAO training course on fish stock assessment and fishery research planning. Cape Town, February 1998

 UCT Graduate School of Business short course Aug 2000.

WWF/World Bank short course on conservation management. Cape Town, January 2001

RUISSD (END531S) Masters course in sustainable urban planning and design. Faculty of Engineering 2002, 2003, 2006

Analysis, Modelling and Assessment (END533Z) UCT dept of Civil Engineering 2005, 2007, 2008. Further occasional sessions on CBA annually to 2019

Dept of Statistics, elements of Cost Benefit Analysis to Masters students (2007)

Dept of Zoology, basic resource econ.to 3rd year students in 2009, 2010 and 2012

Dept of Biological studies (Bio3017s) Fisheries Economics 2013 to 2019

Dept of Biological studies **BIO5005H Applied Marine Science: resource economics lectures 2015-19**

International Ocean Institute - Southern Africa workshop: Fisheries Economics, October 9th 2015

**Refereeing**

Has refereed for:

African Journal of Marine Science (SA)

Environment and Development Economics (UK)

Journal of Construction Economics and Management (UK)

Journal of Energy in Southern Africa (SA)

International Institute for Environment and Development (UK)

Resources, Conservation & Recycling (Holland)

South African Journal of Economics (SA)

South African Journal of Economic and Management Sciences (SA)

South African Journal of Wildlife Research (SA)

Water Research Commission (SA)

South African Journal of Science (SA)

South African Journal For Research In Sport, Physical Education And Recreation (SA)

The Journal for Transdisciplinary Research in Southern Africa (SA)

**UCT/Community Outreach** (2003-2014)

Presentations to Nedlac debates on FRIDGE “Dirty Fuels” programme, and the (2003) white paper of the Air Quality Act

Occasional speaker to Western Cape Provincial Department of Economic affairs and Development Policy. Recent issues covered have been: sustainable development, Polices towards Rural Sustainability, Sustainable Tourism.

Member of group convened by CSIR designing the 2005 DEA&DP guidelines for involvement of specialists in Environmental Impact Assessments.

Occasional speaker to CSIR and Water research Commission workshops.

Participant on a number of WRC research steering committees.

Occasional reviewer of NRF applications [& NRF advisory panel 2005 & 2006]

Khayelitsha Air Quality and Air Pollution Survey 2005

Reviewing panel for TCMA on water transfer schemes (Mooi-Midmar, and Mokolo/Crocodile-Medupi pipelines)

Ministerial Task Team for the development of an Agriculture, Forestry and Fisheries Sector Plan 2010

Evaluation of reports on Karoo fracking moratorium 2012

Policy presentation to MPs on the economics underlying road tolling in SA March 2013

Review of research on cost of electricity outages for Eskom April 2013

**Administration:**

Convenor Economics 102w, 1988 -1991,

Convenor Economics 110f/111s, 1996 –1998

Eco1011s 2014

Convenor Economics 203f, 2001 & 2003

Convenor Economics1010f 2007, 2008, 2015. 2016

Commerce Faculty Library Committee 1996 -2004

Social Science Faculty subcommittee on student anonymity in examinations 1992

Commerce Faculty teaching subcommittee 1992/3

Convenor of Microeconomics syllabus design committee 1991-2003

Macroeconomics and microeconomics syllabus design committees 2005...

Honours long papers 2005-2007

Readmissions Review Committee 2006/7

Director of UCT Environmental Policy Research Unit (EPRU) 2013

**Current research**

Socio-economic sustainability in the South African squid industry. Funded by DFID under the aegis of ‘Solstice’

Economic impacts of extreme climate events in the Benguela ecosystem. Funded by Belmont Forum under aegis of ‘Exebus’