

Curriculum Vitae

Name: Etienne Hinrichsen
Nationality: South African
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Date of Birth: 31 January 1975
Gender: Male
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Current Vocation: Environmental and Aquaculture Management Consultant.

Tertiary Education

Name of Institution	Degree Obtained	Year
Univ. Stellenbosch	BSc.Agric (Majors in Animal Physiology, Animal Genetics & Conservation Management)	1993-1996
Univ. Stellenbosch	M.Phil (Aquaculture) <i>Cum Laude</i>	2009
Univ. South Africa	LLB part-time	Current

Professional Registration and Affiliations

Name of Institution
Aquaculture Association of Southern Africa (previous chairman for 5 years)
Environmental Law Society of South Africa
International Association of Impact Assessors - SA
Registered Professional Natural Scientist (SACNASP)

Other Training

Name of Institution	Training Details	Year
AASA / Cornell University	Recirculating Aquaculture Systems	2009
SA Institute for Environmental Assessment	Public Participation in Environmental Decision Making Certificate	2005
University of Rhodes	Aquatic Bio-monitoring Certificate	2003
University of Natal	Microbiology Summer School	1992

Areas of Experience and Skills (see project list)

In the environmental field, I have acted as an Environmental Assessment Practitioner, but regularly work on the development of environmental policy, environmental management programmes and systems, environmental risk assessment and environmental auditing. I have also worked widely in water use licensing and lecture in the subject occasionally.

In the aquaculture field, I have developed aquaculture policy and strategies, consulted in aquaculture planning and feasibility, undertaken specialist assessments in the sector, worked on environmental management systems, marine aquaculture rights, master planning and statutory processes.

Personal Traits, Goals and Work Ethic

I am a goal orientated individual that has built up a consulting company in the environmental and aquaculture sectors over more than 16 years. In this time, I have worked with governments and the private sector on a wide range of projects in the SADC region and further afield. This has been made possible through a dedicated work ethic, integrity and perseverance.

Interests and Pastimes

My non-vocational interests and pastimes include:

- Birding and outdoors
- Hiking and various social sports
- Reading and political analysis

References

Person	Designation	Telephone	Email
Dr. Motseki Hlatshwayo	Technical Advisor: Fisheries Food, Agriculture & Natural Resources for (SADC)	+26 771 369 071	mhlatshwayo@sadc.int
Dr. Nelly Isyagi	Project Officer – Aquaculture African Union (IBAR)	+25 420 367 4221	nelly.isyagi@au-ibar.org
Prof. Danie Brink	Acting Dean: Faculty of AgriSciences, Univ. of Stellenbosch	+27 21 808 4737	db@sun.ac.za

Languages (Scale of 1 – 5: 1=excellent, 5=poor)

Language	Reading	Speaking	Writing
English	1	1	1
Afrikaans	1	1	1

Employment Record

AquaEco 2001 - present	MD / Environmental and Aquaculture Consultant
Responsibilities	Managing business of consulting in various fields; primarily the facilitation or environmental management and aquaculture development.
Aquaculture Assoc. of Southern Africa (2006 - 2011)	Chairman
Responsibilities	Managing association in SADC. Working with corporate & government, raising awareness & seeking funding. Arranging 3 international conferences and responsible for securing the bid for the World Aquaculture Society Conference to come to South Africa in 2017.
Katse Fish Farms (2002 - 2014)	Founder and Director
Responsibilities	At the time (2002) spearheaded the establishment of the entire value chain for the largest farming operation of trout in Africa. This founding work has resulted in two large scale commercial operations in Lesotho; one supplying to the high-end market in South Africa and to other exporting to the Far East. Served as a non-operational director until 2014.
Ecosense (1998 - 1999)	Environmental Practitioner
Responsibilities	Conduct environmental impact assessment, develop environmental management plans, ECO and training.

Selected List of Projects / Publications to Illustrate Experience (non-exhaustive)

Year	Project Name & Key Details	Client
2016	Member of the Expert Reference Group for the Strategic Environmental Assessment for Aquaculture in SA	CSIR
2016	Aquaculture Quality Control Framework. Develop quality control systems for the Kingdom of Lesotho that can be applied to the increasing production & export of primary & secondary products, including training of officials.	Lesotho Highlands Development Authority (LHDA)
2016	Barramundi Ecological Risk Assessment. The preparation of a Risk Assessment for the import & propagation of Barramundi into SA from Australia.	Innovative Investments
2016	Aquaculture feasibility & development plan for the Mogalakwena area.	Contracted by Mogalakwena Training for Anglo Platinum
2016	Development of the Environmental Framework for Sustainable Aquaculture in Africa (SADC region), following consultation with member countries.	African Union (Interafrican Bureau for Animal Resources)
2016	EIA for Camdeboo / Karoo Catch Fish Processing Facilities. The coordination of an assessment for a large scale inland fish processing facility.	Blue Karoo Trust
2015 / 16	Lead Environmental auditor for TRAC (concession holder for SANRAL N4)	TRAC concession holder for SANRAL
2015	Team leader for the technical & financial analysis & reporting for the revitalisation of the Hondeklip & Port Nolloth Fishing Harbours.	National Agricultural Marketing Council (South Africa)
2014/ 15	Team leader & coordinator for the financial, biological & technical feasibility assessment of the Oceanwise Kob Farm, following the threat of liquidation.	With Deep Blue for the East London IDZ, ECDC & IDC
2014	Development of the Aquafoods SA Environmental Management Programme, which was a prerequisite to obtain a Marine Aquaculture Right for oysters & mussels.	Aquafoods SA
2014	EIA for the Stellenbosch Aquaculture Recirculation & Bioflock Systems, consisting of assessments for a bioflock farming system using Norwegian technology & hatchery facilities for seed supply.	Univ. Stellenbosch, South Africa

2002-2014	Full conceptualisation & development of trout aquaculture in Lesotho, consisting of the entire project value chain, design, start-up, production performance, linkage with market etc.	Katse Fish Farms, Lesotho
2013	Research & prepare a report for Dutch investors on Mozambican aquaculture - preceding trade mission.	Dutch Government
2013	Environmental auditor for Mokolo Water Augmentation Project supplying to Madupi.	Aveng
2012	Research & prepare a report for Dutch investors on South African aquaculture.	Dutch Government
2012	Lead the team of experts & act as expert author in investigating the Namibian aquaculture sector towards preparation of the Namibian Aquaculture Master Plan.	Namibian Government via Stellenbosch University
2012	Research & revise the Environmental Integrity Framework for Marine Aquaculture in South Africa, a publication dealing with aquaculture best practice.	Dept of Agriculture, Forestry & Fisheries
2011	Organise, facilitate & chair interregional conference of the Aquaculture Assoc. of Southern Africa in Malawi.	Aquaculture Assoc. & Malawi Government
2011	Research & develop the EIA & Best Practice Guideline for Aquaculture in South Africa (Gazetted).	Department of Environmental Affairs, South Africa (DEA)
2010	Prepare & present bid for the World Aquaculture Society Conference to be held in Africa in 2017 (Brazil).	Aquaculture Assoc. of Southern Africa with SA Government
2009	Organise, facilitate & chair the interregional conference of the Aquaculture Assoc. of Southern Africa in Namibia.	Aquaculture Assoc. & Namibian Government
2009	Lead & coordinate an SA team of delegates on UK visit & trade mission to establish trade & academic relationships in seafood & aquaculture.	UK Trade & Investment
2008	Develop the Policy Implementation Plan for the Marine & Coastal Management Branch.	DEAT: MCM
2008	Revision of Abalone Ranching Guidelines. Plan & facilitate public input & establish regulations.	DEAT: MCM
2008	Develop Okavango Delta Aquaculture Guidelines, containing best practices for the sector.	Botswana Government

2008	Develop publish ready Best Practice Guideline for Aquaculture in the Eastern Cape (with a guideline document to the sector background).	Eastern Cape Development Corporation (ECDC)
2007	Workshop & develop the first Aquaculture Strategy for the Marine & Coastal Management Branch (now incorporated into DAFF).	DEAT:MCM
2007	Research & present international aquaculture development frameworks to select the best development framework for South Africa.	DEAT:MCM
2007	Develop publish ready Best Practice Guideline for Aquaculture in the Western Cape (with a guideline document to the sector background).	Dept. of Environmental Affairs & Development Planning (DEA&DP)
2007	Develop guideline & Operational Policy for water use in aquaculture in terms of the Water Act.	Department of Water Affairs
2007	Organise, facilitate & chair the interregional conference of the Aquaculture Assoc. at Cape Town ICC.	Aquaculture Assoc. & SA Government
2006	Develop Best Management Practices for Cage Aquaculture & Aquaculture Marketing Guidelines	Subcontract to Rhodes Univ. for WRC
2006	Feasibility study into the viability & revitalisation of the Lydenburg, Jonkershoek & Turfloop Hatcheries	Subcontract to Rhodes Univ. for WRC
2006	Assess aquaculture potential around Berg River Dam	Molopong Aquaculture
2005	Develop the BCLME Regional Aquaculture Policy for Benguela Countries (South Africa, Namibia, Angola), including Angolan Aquaculture Policy.	As subcontract to Rhodes University & Envirofish
2004	Develop first National Aquaculture Policy for South Africa as a forerunner to later policy by DAFF.	Department of Agriculture, South Africa
2004	Research and assist Univ. Stellenbosch to induce triploidy in abalone.	Univ. Stellenbosch
2002	Coordinate & lead SA team to Russia to assess viability & establish cooperation for farming sturgeon in SA.	Monolit International
2000	Research & apply technology for sterility in fish – leading to the establishment of triploid Grass Carp farming in SA.	De Rust
1998 - 2016	Multiple EIA's, authorisations, risk assessments, feasibility studies and reviews for a range of clients.	Various