

Curriculum Vitae

Barend Johannes van Zyl

High level of expertise in the international field, healthy self-confidence and excellent leadership skills. Versatile and very successful with a wealth of scientific, technical, personnel, commercial (budget) and compliance skills acquired over a period of 22 years of experience as Deputy Director with the Ministry of Fisheries and Marine Resources of Namibia, Executive Secretary of the Southeast Atlantic Fisheries Organization and Project Coordinator of a FAO/BCC climate change project. I have gained valuable expertise as Regional Project Coordinator for a FAO/BCC climate change project on Enhancing Climate Change resilience in the Benguela Current Fisheries System since 2017. The project built reliance in selected small scale fishers communities in Angola, Namibia and South Africa. In Namibia, information regarding project were reported the MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM National Committee on Rio Conventions. In addition, information pertaining in the implementation of climate change resilience measure in HAFA and small-scale fisheries community in Lüderitz were reported to the MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM to be included in the NCCSAP (2013-2020). Moreover, I am also in my private capacity busy with a climate smart agriculture project on my farm and the neighboring resettle farm Stinkbank in Usakos district. Since 2023, I established an aquaculture consulting business and in addition conducting research on freshwater fish in the Kunene region.

DATE: APRIL 2025

1. PERSONAL INFORMATION

Full Name: Barend Johannes van Zyl

Current Postal Address: P.O. Box 3186
Vineta
Republic of Namibia

Telephone: 081 122 0059

Date of Birth: 24 Oct 1960

Nationality: Namibian (601024 0002 4)

2. LANGUAGE PROFICIENCY

	Afrikaans	English	Herero
Speak	Good	Good	Little
Read	Good	Good	None
Write	Good	Good	None

3. EDUCATION

3.1 Academic Qualifications

Educational Institution	Certificates/Degrees	Year
Outjo High School, Namibia	Senior Certificate	1978
University of Stellenbosch, South Africa	B. Sc.	1983
University of Stellenbosch, South Africa	B.Sc. (Hons)	1983
University of the Orange Free State, South Africa	M.Sc. (Zoology)	1988
Rand Afrikaans University, South Africa	Ph.D. (Zoology)	1993

M.Sc. Thesis Title

A comparative growth study of four Tilapia species under natural conditions and intensive production units. (In Afrikaans)

Ph.D. Dissertation Title

A fish ecological study of the Okavango and Kunene Rivers with special reference to the fishery. (In Afrikaans)

3.2 Courses Attend

Course	Year
Private Pilot License (currently expired)	1981
Supervisors Courses	1984
Computer: Dbase III	1988
Fish Stock Assessment. FAO Zimbabwe	1991
Snorkel (World Underwater Federation)	1992
One Star Diving (World Underwater Federation)	1992
CPR Certificate	1995
First Aid Certificate	1995
DAN Oxygen Provider Course	1995
Misconduct	1996
Fisheries and Biodiversity Management	1998
Leadership in a Team Environment	1998
Disciplinary Handling at Workplace: Punishment or training	2002

4. WORK EXPERIENCE

Employer	Post Held	Year	Station
Ministry of Wildlife, Conservation and Tourism, Namibia	Nature Conservation Researcher	1984 - 1987	Freshwater Fish Institute, Hardap, Mariental, Namibia
Ministry of Wildlife, Conservation and Tourism, Namibia	Senior Nature Conservation Researcher	1988 - 1991	Freshwater Fish Institute, Hardap, Mariental, Namibia
Ministry of Fisheries and Marine Resources, Namibia	Chief Fisheries Biologist	1992 - 1996	Freshwater Fish Institute, Hardap, Mariental, Namibia.
Ministry of Fisheries and Marine Resources, Namibia	Deputy Director: Resource Management	1996 - 2008	NatMIRC, Swakopmund, Namibia.
South East Atlantic Fisheries Organisation (SEAFO)	Executive Secretary	2009 - 2017	SEAFO Secretariat, NatMIRC, Swakopmund, Namibia.
Benguela Current Convention	Project Coordinator: FAO/BCC Climate change project	2017 – 2023	BCC Secretariat, NatMIRC, Swakopmund, Namibia
Aquaculture Consultancy	Private	2023 -	Swakopmund, Namibia

5. HONOURS AND PROFESSIONAL SERVICE

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|------|-------------|--|
| 5.1 | 1992 | Namibian delegate for the Ministry of Fisheries and Marine Resources. SADC Sector Coordinating unit for Marine Fisheries and Marine Resources. Projects Appraisal Workshop. November. Windhoek. Namibia. |
| 5.2 | 1993 | Liaison official within the Ministry of Fisheries and Marine Resources for ALCOM (Aquaculture for Local Community Development Programme). |
| 5.3 | 1994 | Namibian delegate for the Ministry of Fisheries and Marine Resources. ALCOM Steering Committee meeting. February. Swakopmund. Namibia. |
| 5.4 | 1994 | Namibian delegate for the Ministry of Fisheries and Marine Resources. 7 th meeting of the SARCCUS subcommittee for Aquaculture. 8 - 12 August 1994. Stellenbosch. South Africa. |
| 5.5 | 1995 | Ecological Impact Assessment Study: Calueque - Olushandja Phase II Rehabilitation. |
| 5.6 | 1995 | SADC National contact person: Sector Policy and Strategy project. |
| 5.7 | 1995 | Member of the special Survival Commission, IUCN, The World Conservation Union |
| 5.8 | 1996 | Member of the Ongwediva Rural Development Centre Steering Committee. |
| 5.9 | 1996 | Member of the Ministry of Fisheries and Marine Resources Personnel Advisory Committee. |
| 5.10 | 1996 | Namibian delegate for the Ministry of Fisheries and Marine Resources. Attend the 48 th International Whaling Commission meeting as observer in Scotland. |
| 5.11 | 1996 | Member of the R.V. Dr. Fridtjof Nansen Steering Committee. |
| 5.12 | 1996 | Ecological Impact Assessment Study: Kunene River: Epupa Hydro-electrical Scheme Resource person on Fresh Water Fish. |
| 5.13 | 1997 | Resource person on research for a joint SADC Inland and Marine Fisheries Community Building Workshop, Windhoek, Namibia, 17 – 21 February. |
| 5.14 | 1998 – 2002 | Member of the FISHBASE Steering Committee. |
| 5.15 | 2001 | Namibian delegate for the Ministry of Fisheries and Marine Resources. Attend the 53 rd International Whaling Commission meeting as observer. |
| 5.16 | 2001 | Namibian Delegate on the 1st Ad Hoc meeting on the management of Deep-water Fisheries Resources of the Southern Indian Ocean. Swakopmund, Namibia. |

- 5.17 2001 Namibian delegate for the Ministry of Fisheries and Marine Resources. Attend the 655th Wilton Park Conference: 40 Years on: The Antarctic Treaty System in the 21st Century.
- 5.18 2002 Member of the BENEFIT Steering Committee.
- 5.19 2002 Namibian Delegate on the 2nd Ad Hoc meeting on the management of Deep-water Fisheries Resources of the Southern Indian Ocean. Freemantle, Australia
- 5.20 2003 Namibian representative for the Ministry of Fisheries and Marine Resources. Attend the 54th International Whaling Commission meeting as observer.
- 5.21 2003 Member of the BCLME Steering Committee. (Benguela Large Marine Ecosystem)
- 5.22 2003 Member of a consultancy team on the feasibility of Tilapia farming at Etaka Dam, Namibia
- 5.23 2004 Namibian representative for the Ministry of Fisheries and Marine Resources. Attend the 1st SEAFO Commission meeting in Windhoek.
- 2.24 2004 Namibian representative for the Ministry of Fisheries and Marine Resources. Attend the first informal scientific meeting and first meeting of the parties on The Agreement on the Conservation of Albatrosses and Petrels (ACAP). 8 – 12 November 2004, Hobart, Australia
- 5.25 2005 Member of the NACOMA Steering Committee.
- 5.26 2005 Namibian representative for the Ministry of Fisheries and Marine Resources. Attend the 26th COFI meeting in Rome, Italy
- 5.27 2005 Namibian representative to the NEPAD "Fish for All" technical workshop and summit. 22 – 23 August 2005.
- 5.28 2005 Namibian delegate for the Ministry of Fisheries and Marine Resources. Attend the 2nd SEAFO Commission meeting in Windhoek.
- 5.29 2005 Deputy Chair of the 1st SEAFO scientific committee.
- 5.30 2006 Namibian delegate for the Ministry of Fisheries and Marine Resources. Attend the 3rd SEAFO Commission meeting in Windhoek.
- 5.31 2006 Attend the expert consultation on Deep-Sea Fisheries in the High Seas. Bangkok, Thailand. November 21-23 2006
- 5.32 2006 Deputy Chair of the 2nd SEAFO scientific committee. Windhoek
- 5.33 2007 Acting Chair of the 3rd SEAFO scientific committee meeting in Swakopmund. September 2007.
- 5.34 2007 Namibian delegate for the Ministry of Fisheries and Marine Resources. Attend the 4th SEAFO Commission meeting in Windhoek. October 2007

- 5.35 2008 Namibian delegate of the Ministry of Fisheries and Marine Resources. Attend the 1st Argentina/Namibian bilateral meeting. Swakopmund June 2008.
- 5.36 2008 Namibian representative for the Ministry of Fisheries and Marine Resources. Attend the 4th ACAP by-catch, trend & status working group meetings, Hermanus, South Africa. August 2008.
- 5.37 2008 Namibian representative for the Ministry of Fisheries and Marine Resources. Attend the 4th ACAP Advisory Committee meeting, Cape Town. August 2008.
- 5.38 2008 Namibian delegate for the Ministry of Fisheries and Marine Resources. Attend the 4th SEAFO scientific committee meeting in Windhoek September 2008.
- 5.39 2008 Namibian delegate for the Ministry of Fisheries and Marine Resources. Attend the 5th SEAFO Commission meeting in Windhoek. October 2008
- 5.40 2009 Represent SEAFO Attend the 28th COFI meeting in Rome. February.
- 5.41 2009 Represent SEAFO Attend the 2nd Regional Fisheries Body network. Rome February.
- 5.42 2009 Represent SEAFO Attend the BCC Management Board meeting. March.
- 5.43 2010 Represent SEAFO Attend Maritime safety and security in Africa seminar, Dar Es Salaam, Tanzania. April 2010.
- 5.44 2011 Represent SEAFO Attend Resumed Review Conference on the UN Fish Stocks Agreement. New York. May 2010
- 5.45 2011 Represent SEAFO Attend the 29th COFI meeting in Rome. June
- 5.46 2011 Represent SEAFO Attend the 3rd Regional Fisheries Body network, Rome June.
- 5.47 2011 Represent SEAFO Attend the BCC Management Board meeting.
- 5.48 2012 Represent SEAFO: Attend EU Conference: RFMO's fit for the future, Brussels, May
- 5.49 2012 Represent SEAFO: Attend Third Ministerial meeting of African, Caribbean and Pacific (ACP) group of States.
- 5.50 2012 Represent SEAFO: Attend FAO Regional Workshop on Vulnerable Marine Ecosystems (VMEs) in the Indian Ocean, Mauritius, July
- 5.51 2012 Represent SEAFO: Attend Southern Indian Ocean Regional Workshop to Facilitate the Description of Ecologically or Biologically Significant Marine Areas (EBSA), Mauritius, July/August
- 5.52 2013 Represent SEAFO: Attend EBSA South-Eastern Atlantic regional workshop to facilitate the descriptions of ecologically significant marine areas, Swakopmund, May
- 5.53 2013 Represent SEAFO: Attend FAO Regional Workshop on Vulnerable Marine Ecosystems (VMEs) in the South East Atlantic Ocean, Swakopmund, April

- 5.54 2013 Represent SEAFO Attend 5th Annual Science Forum, Windhoek, September
- 5.55 2014 Represent SEAFO Attend ABNJ Inception workshop, Rome, June
- 5.56 2014 Represent SEAFO Attend 5th Regional Fisheries Body Secretariats network meeting, Rome June
- 5.57 2014 Represent SEAFO attend 31 Cofi meeting, Rome June
- 5.58 2014 Represent SEAFO African-Eurasian Migratory Water bird Agreement workshop (AEWA)
- 5.59 2015 Represent SEAFO: Ninth meeting of the *Ad Hoc* Open-ended Informal Working Group to study issues relating to the conservation and sustainable use of marine biological diversity beyond areas of national jurisdiction (BBNJ), January
- 5.60 2015 Represent SEAFO: FAO CWP (Coordinating working party on Fisheries Statistics). Inter-sessional Fisheries Group Meeting. Swakopmund, Namibia. February
- 5.61 2015 Represent SEAFO: FAO FIRMS (Fisheries Resources Monitoring System) 9th Steering Committee meeting, Swakopmund, Namibia. February
- 5.62 2015 Represent SEAFO: FAO VME processes workshop, Swakopmund, Namibia. South East Atlantic Fisheries Organization (SEAFO) *Chapter sections*. March
- 5.63 2016 Represent SEAFO: The 25th CWP meeting (Capture Fishery subject Group, CWP-FS), FAO Headquarters, Rome, Italy
- 5.64 2016 Represent SEAFO: The TWG fifth meeting FAO Headquarters in Rome, Italy, February/March
- 5.65 2016 Represent SEAFO: First Session of the Preparatory Committee on Marine Biodiversity beyond Areas of National Jurisdiction. United Nations Building New York. March/April
- 5.66 2016 Represent BCC: ICT4Fisheries2016 Workshop. Cape Town, South Africa, November
- 5.67 2017 Represent BCC: DAFF climate change planning science workshop, Cape Town, South Africa, February
- 5.68 2017 Represent BCC: 7th BCC Science and Governance Forum, Windhoek 25 – 27 October 2017
- 5.69 2017 Represent BCC: The world aquaculture symposium, Cape Town, South Africa. June
- 5.70 2021 Represent BCC: Enhancing Climate Change Resilience in the Benguela Current Fisheries System. Rio Convention workshop
- 5.71 2023 Enhancing Climate Change Resilience in the Benguela Current Fisheries System. NAMPU Climate Change reporting workshop.

6. PUBLICATIONS

6.1 Book and Scientific report contributions

- 6.1.1 OSHANAS: Sustaining people environment and development in central Owambo, Namibia. 1992. Edited by Alan Marsh and Mary Seely. ISBN 99916-709-0-4
- 6.1.2 Hay, C.J., Næsje, T.F., Breistein, J., Hårsaker, K., Kolding, J. Sandlund, O.T. & van Zyl, B.J. (2000). Fish populations, gill net selectivity, and artisanal fisheries in the Okavango River, Namibia. Recommendations for a sustainable fishery. NINA.NIKU Project Report no.10. 105 pages.
- 6.1.3 The Fisheries Resources in Namibia and its exploitation: Fishing Industry Handbook, South Africa and Mozambique, 2003
- 6.1.4 Results and Conclusions of the project "Ecosystem Approaches for Fisheries Management in the Benguela Current Large Marine Ecosystem" FAO Fisheries Circular No. 1026. ISSN 0429-9329
- 6.1.5 Ecological Risk Assessment: A Tool for Implementing an Ecological Approach for Southern African Fisheries. WWF South African Report Series – 2007/Marine/002
- 6.1.6 Chapter on SEAFO: VME Processes and Practices Ecological Risk Assessment: A Tool for Implementing an Ecological Approach for Southern African Fisheries. WWF South African Report Series – 2007/Marine/002
- 6.1.7 Inland Fishes and Fisheries of Namibia. Edited by Glenn S. Merron & Charles H. Hocutt. 2023. ISBN: 978-1-938814-38-9 Contributed several Chapters.

6.2 Video contributions

- 6.2.1 Dry Country Fish. (Documentary re *Tilapia guinasana* in Lake Guinas, Namibia. 1993. Survival, Anglia Limited. Britain.

6.3 Publications (published, in press, submitted, in preparation)

- 6.3.1 Van Zyl B.J. 1991. Wetlands of the Kunene River. Madoqua. 17(2):125-128.
- 6.3.2 Van Zyl B.J. 1991. The lower Orange River. Madoqua. 17(2):155 - 157.
- 6.3.3 Ribbink A.J., Greenwood P.H., Ribbink A.C., Twentymann-Jones V. and Van Zyl B.J. 1991. Unique polychromatism of *Tilapia guinasana*, an African cichlid fish. South African Journal of Science. 87:608 - 611.
- 6.3.4 Van Zyl B.J. and Hay C.J. 1994. Images of Research: Inland fisheries resources. Namibian Brief. 18:187 - 189.

- 6.3.5 Van Zyl B.J. 1997. Growth rates of *Oreochromis andersonii* x *Oreochromis mossambicus* hybrids using high-protein pellets in an intensive production unit. Madoqua: 19(2):91 – 93.
- 6.3.6 Hay C.J., Van Zyl B.J., Van der Bank F.H., Ferreira J.T. and Steyn G.J. 1997. A survey of the fishes of the Kunene River, Namibia. Madoqua: 19(2): 129 – 141.
- 6.3.7 Hocutt C.H., Johnson P.N., Hay C.J. and Van Zyl B.J. Biological basis of water quality assessment in the Okavango River, Namibia. *Rev. Hydrobiol. trop.* 27 (4) : 361-384
- 6.3.8 Rall J.L., Steyn G.J., Du Preez H.H. and Van Zyl B.J. (in press, S. Afr. J. Wild. Res.). Aspects of the population dynamics of the Maluti Minnow (*Pseudobarbus quathambae*) in the Senqunyane, Jordane and Bokaaneng Rivers.
- 6.3.9 Van Zyl B.J., Hay C.J. and Steyn G.J. 1995. Some aspects of the reproduction biology of *Labeo capensis* (Smith, 1941) (Pisces, Cyprinidae) in Hardap Dam, Namibia. Sth. Afr. J. aquat. Sci. 21 (1/2) 88-89.
- 6.3.10 Van Zyl B.J., Hay C.J. and Steyn G.J. 1997. The successful introduction of *Oreochromis mossambicus* in salt pans along the Namib coast. Madoqua: 19(2): 87 – 89.
- 6.3.11 Van Zyl B.J. and Steyn G.J. (in press, Southern African Journal of Aquatic Science). Some biological aspects of *Thoracochromis buysi* (Penrith 1970) from the Kunene River, Namibia.
- 6.3.12 Hay, C.J., Van Zyl, B.J., and Steyn, G.J., 1996. A quantitative assessment of the biotic integrity of the Okavango River, Namibia, based on fish. *Water SA Vol. 22 No. 3* : 263-284.
- 6.3.13 Hay, C.J.; van Zyl, B.J. and Steyn, G.J., Ecology of *Synodontis nigromaculatus* from the Okavango River. *Journal of African Zoology.* 111(5): 355-363
- 6.3.14 Hay, C.J., van Zyl, B.J., van der Bank, F.H., Ferreira, J.T. and Steyn, G.J. 1999. The distribution of freshwater fish in Namibia. *Cimbebasia*: 15: 41-63.
- 6.3.15 Van Zyl B.J. Oelofsen B.W. and C.J. 1998. White Paper: an overview of Management of Inland Fisheries. Namibian Brief (20): 149-150.
- 6.3.16 Van Zyl, B.J. and Willemse, N.E. 2000. Fishbase: a database and fisheries management oriented tool for the 21st century. *African Journal of Aquatic Science*, 25: 225-226.
- 6.3.17 Cochrane, K., Augustyn, C.J., Fairweather, T., Japp, D. Kilongo, K., Itembu, J., Moroff, N., Roux, J.P., Shannon, L., Van Zyl, B and F. vaz Velho. NCEAS WG: Governance Feasibility of Marine Ecosystem Based Management: A Comparative Analysis: Benguela Current Large Marine Ecosystem Case Study.
- 6.3.18 Cochrane, K., Augustyn, C.J., Bianchi, G., de Barros, P., Fairweather, T., Japp, Kanandjembo, A., D. Kilongo, K., Moroff, N., Nel, D., Roux, J.P., Shannon, L., Van Zyl, B and F. vaz Velho. 2007. Results and conclusions of the project "Ecosystem approaches for fisheries management in the Benguela Current Large Marine Ecosystem" FAO fisheries Circular. No 102. Rome, FAO. 167p
- 6.3.19 FAO, 2016. Vulnerable Marine Ecosystems: Processes and Practices in the High seas by Anthony Thompson, Jessica Sanders, Merete Tandstad, Fabio Caocci and

Jessica Fuller, eds. FAO Fisheries and Aquaculture Technical Paper No 595. Rome, Italy.

- 6.3.20 Dr. Mariano Mariano D. M. Virginia Martín, Mr. Pedro M. Herrador-Gómez, Mr, Sebastián Jiménez , M. Carlos Hernández-González, Mr. Santiago Barreiro , Mr. Roberto Sarralde , Dr. Barend Johannes Van Zyl , Dr. Teresa Almeida, Dr. Luis López-Abellán, Mr. Johny Gamatham. Mitochondrial COI and 16S rDNA sequence support morphological identification and biogeography of deep-sea red crabs of the genus *Chaceon*, (Crustacea, Decapoda, Geryonidae) in the Eastern Central and South Atlantic Ocean. PLOS ONE, 2019.

6.4 Periodical Publications

- 6.4.1 Linda de Jager. Feb 2025. The Small Fish with a Big Message. Michelangelo Magazine. ISSN 2026-8998. Contributing text and photos.

7 PAPERS AND POSTERS PRESENTED

7.1 Papers

- | | | | |
|-------|---|------|---|
| 7.1.1 | Annual Research meeting
Directorate Nature
Conservation and Tourism.
Windhoek. Namibia. | 1984 | Project Proposal:
A comparative growth study of four Tilapia
species under natural conditions and intensive
productions units. |
| 7.1.2 | Annual Research meeting
Directorate Nature
Conservation and Tourism.
Windhoek. Namibia. | 1986 | Progress Report No 1:
A comparative growth study of four Tilapia
species under natural conditions and intensive
productions units. |
| 7.1.3 | Annual Research meeting
Directorate Nature
Conservation and Tourism.
Windhoek. Namibia. | 1987 | Progress Report No 2:
A comparative growth study of four Tilapia
species under natural conditions and intensive
productions units. |
| 7.1.4 | Annual Research meeting
Directorate Nature
Conservation and Tourism.
Windhoek. Namibia. | 1988 | Finale Report:
A comparative growth study of four Tilapia
species under natural conditions and intensive
productions units. |
| 7.1.5 | Seminar: Developing
strategy for Freshwater Fish
in South West Africa.
Directorate Nature
Conservation and Tourism.
Hardap. Namibia. | 1988 | Paper:
A discussion of the growth rate of four Tilapia
species. |

7.1.6	Women's Agricultural Association meeting. Aranos. Namibia.	1988	Paper: Fish farming possibilities in South West Africa/Namibia.
7.1.7	Annual Research meeting Directorate Nature Conservation and Tourism. Windhoek. Namibia.	1988	Project Proposal: A fish ecological study of the Okavango and Kunene Rivers with special reference to the fishery in the Okavango.
7.1.8	Annual Research meeting Directorate Nature Conservation and Tourism. Terrace Bay. Namibia.	1989	Progress Report No 1: A fish ecological study of the Okavango and Kunene Rivers with special reference to the fishery in the Okavango.
7.1.9	Agricultural Association meeting. Otavi. Namibia.	1989	Paper: Fish farming possibilities is South West Africa/Namibia.
7.1.10	Annual Research meeting Ministry of Fisheries and Marine Resources. Lüderitz. Namibia.	1990	Progress Report No 2: A fish ecological study of the Okavango and Kunene Rivers with special reference to the fishery in the Okavango.
7.1.11	Annual Research meeting Ministry of Fisheries and Marine Resources. Swakopmund. Namibia.	1991	Paper: Growth and mortality of <i>Schilbe intermedius</i> and <i>Hydrocynus vittatus</i> from the Okavango and Kunene Rivers.
7.1.12	Annual Research meeting Ministry of Fisheries and Marine Resources. Hardap. Namibia.	1992	Final Report: A fish ecological study of the Okavango and Kunene Rivers with special reference to the fishery in the Okavango.
7.1.13	Paradi: Proceedings of the International Symposium of Biological Diversity in African fresh and brackish water fishes. Dakar. Senegal. (15 – 20/11/1993).	1993	Paper: Biological basis of water quality assessment – Okavango River, Namibia. (Hocutt, J., Hay C.J., Johnson, P.N. and Van Zyl, B.J.
7.1.14	Annual Research meeting Ministry of Fisheries and Marine Resources. Swakopmund. Namibia.	1993	Project proposal: A fish ecological study of the Caprivi region with special reference to the fishery.
7.1.15	Women's Agricultural Association meeting. Mariental. Namibia.	1994	Paper: General overview of Freshwater fish research in Namibia.
7.1.16	7 th SARCCUS meeting of the subcommittee for aquaculture. 8 – 12 August 1994. Stellenbosch. South Africa.	1994	Paper: The status of aquaculture in Namibia.
7.1.17	Annual Research meeting	1995	Paper:

	Ministry of Fisheries and Marine Resources. Swakopmund. Namibia		Dry Country Fish.
7.1.18	Annual Research meeting Ministry of Fisheries and Marine Resources. Swakopmund. Namibia	1996	Paper: An overview of the White Paper on the responsible management of the inland fisheries of Namibia.
7.1.19	Annual Research meeting Ministry of Fisheries and Marine Resources. Swakopmund. Namibia	1996	Paper: Radio telemetry, a tool to record behavioural information of fish.
7.1.20	Joint SADC Inland and Marine Fisheries Community Building Workshop, Windhoek, Namibia	1997	Paper: Fisheries Research and Stock Assessment in SADC.
7.1.21	IWMC 2 nd Symposium On Sustainable Use. "In search of innovative conservation initiatives" Chengdu, China November 22 –26	1999	Paper: Culling of Seals in Namibia: a conservation necessity
7.1.22	Blue Millennium Managing Global Fisheries Biodiversity, Victoria BC	2001	Paper: A decade of Namibian Fisheries & Biodiversity Management.
7.1.23	Wetland Conference, Maun, Botswana	2002	Paper: Exploitation and Management of fish resources in the Okavango River, Namibia. (Hay, C.J., Næsje, T.F., Sandlund, O.T., Thorsdat, E.B., Kolding, J, and Van Zyl, B.J.)
7.1.24	Stakeholders' Workshop for the development of the research agenda for the Henties Bay Marine and Coastal Resources Research Centre. Henties Bay, November 24 and 25	2003	Paper: Current marine and coastal research initiatives in Namibia by the Ministry of Fisheries and Marine resources.
7.1.25	3 rd Regional Workshop: Ecosystem Approaches for Fisheries Management in the BCLME. 30 Oct – 2 Nov 2006	2006	Paper: Institutional requirements for EAF
7.1.26	Regional Symposium: Celebrating a decade of collaboration in the Benguela region, the outcomes of the Benefit and BCLME Programmes and the establishment of the	2007	Paper: Lessons learnt and major outcomes

Benguela Current
Commission.

7.1.27	Fisheries and Aquaculture Conference 1990 - 2008 The History, Current and Future Perspectives. 24 – 26 September 2008 Swakopmund, Namibia	2008	Paper: Capacity Building in the Ministry of Fisheries and Marine Resources
7.1.28	3 rd meeting of the ACP Ministers responsible for fisheries Nadi (Fiji) 18 June	2012	Presentation: Introduction to SEAFO
7.1.29	FAO Regional Workshop on Vulnerable Marine Ecosystems (VMEs) in the Indian Ocean, Mauritius, July	2012	Presentation: Procedure adopted by SEAFO Scientific Committee to identify VME's in the SEAFO Convention AREA
7.1.30	EBSA South-Eastern Atlantic regional workshop to facilitate the descriptions of ecologically significant marine areas, Swakopmund, May	2013	Presentation: Introduction to SEAFO with the emphasis on possible EBSA in the Convention Area
7.1.31	FAO Regional Workshop on Vulnerable Marine Ecosystems (VMEs) in the South East Atlantic Ocean, Swakopmund, April	2013	Presentation: Introduction to SEAFO with the emphasis on the identification and regulations pertaining to VME's
7.1.32	5 th Annual Science Forum, Windhoek, September	2013	Presentation: An overview of SEAFO and its activities
7.1.33	African-Eurasian Migratory Water bird Agreement (AEWA) workshop Swakopmund, September	2014	Presentation: SEAFO Conservation Measures towards birds..
7.1.34	FAO VME processes workshop, Swakopmund, Namibia., Swakopmund February/March	2015	Presentation: Experiences, Priorities and Opportunities in the South East Atlantic
7.1.35	FAO Nansen side event: First Session of the Preparatory Committee on Marine Biodiversity beyond Areas of National Jurisdiction. United Nations Building New York. March/April	2016	Presentation: Management processes and the use of scientific advice in SEAFO

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| 7.1.36 | Department of Agriculture, Fisheries and Forestry, South Africa climate change planning science workshop, Cape Town, South Africa, February | 2017 | Presentation: Enhancing Climate Change Resilience in the Benguela Current Fisheries System |
| 7.1.37 | 7 th BCC Science and Governance Forum, Windhoek, Namibia. October | 2017 | Presentation: Enhancing Climate Change Resilience in the Benguela Current Fisheries System |
| 7.1.38 | The world aquaculture symposium, Cape Town, South Africa. June | 2017 | Presentation: Enhancing Climate Change Resilience in the Benguela Current Fisheries System |

7.2 Posters

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|-------|---|------|--|
| 7.2.1 | Technical Consultation on the enhancement of small water body fisheries is Southern Africa. Harare. Zimbabwe. | 1993 | Small water body fisheries in Namibia. |
| 7.2.2 | Southern African Wildlife Management Association Symposium. Port Elizabeth. South Africa. | 1993 | Threatened fish in Lake Guinas. |
| 7.2.3 | FAO, World Food Day. Swakopmund. Namibia. | 1993 | Harvesting Nature Diversity. |
| 7.2.4 | FAO, World Food Day. Mariental, Namibia | 1994 | Water is Life. |

8. RESEARCH PROJECTS

8.1 Principal investigator

DATE	TITLE	SPONSOR
1984 - 1987	A comparative study of the growth rates of four Tilapia species under natural conditions and in intensive production units.	Directorate Nature Conservation and Tourism.
1988	Growth rates of <i>Oreochromis andersonii</i> x <i>Oreochromis mossambicus</i> hybrids using high-protein pellets in an intensive production unit.	Directorate Nature Conservation and Tourism.

1988	The occurrence of <i>M. vollenhovenii</i> in the Kunene River and some aspects of its biology.	Ministry of Fisheries and Marine Resources.
1989	The occurrence of <i>Oreochromis mossambicus</i> in a saltpan along the Namib coast.	Ministry of Fisheries and Marine Resources.
1989 - 1992	A fish ecological study of the Okavango and Kunene Rivers, with reference to the fishery.	Ministry of Fisheries and Marine Resources.
1990 - 1993	The gonado-somatic indexes of three fish species in Hardap Dam.	Ministry of Fisheries and Marine Resources.
1993 – 1996	A fish ecological study of the Caprivi region with reference to the fishery.	Ministry of Fisheries and Marine Resources.
1993 – 1996	Description and biology of a new <i>Notobranchius</i> species from the Caprivi, Namibia.	Ministry of Fisheries and Marine Resources.
1993 - 1996	Production potential of lemna	Ministry of Fisheries and Marine Resources.
1995 - 1996	Production potential of duckweed (<i>Lemna</i> spp.) in Namibia.	Ministry of Fisheries and Marine Resources
2003 - 2006	Production potential of <i>Argyrosomus</i> spp. in captivity.	Ministry of Fisheries and marine Resources
2005 - 2006	Investigate the production potential of <i>Galeichthys feliceps</i> (Barber) under Namibian conditions.	Ministry of Fisheries and Marine Resources

8.2 Co-principal investigator

DATE	TITLE	SPONSOR
1988	A joint project with Dr. T. Ribbink of the J.L.B. Smith Institute on the biology and status of <i>Tilapia guinasana</i> in Lake Guinas.	Ministry of Fisheries and Marine Resources.
1995 – 1996	A joint project with Prof. C. Hocutt of the University of Maryland Eastern Shore, USA on the migration of indicator species in the Okavango River (radio telemetry).	USAID/Ministry of Fisheries and Marine Resources
1995 – 1996	A joint project with Prof. C. Hocutt of the University of Maryland Eastern Shore, USA on the behaviour of three	USAID/Ministry of Fisheries and Marine Resources

fish species in Hardap Dam (radio telemetry).

9. REFEREE FOR SCIENTIFIC JOURNALS

9.1 Scientific Journals

9.1.1 Madoqua

- 1990 Van der Waal B.W.C. Fish life of the Oshana delta in Owambo, Namibia and the translocation of Cunene species.
- 1990 Noli-Pearl K.R. and William A.J. Wetlands of the Namib Coast.
- 1990 Schletwein C.H.G. *et al.* Flora, fauna and conservation of East Caprivi wetlands.
- 1992 Hocutt C.H. and P.N. Johnson. New exotic fish species from the Omuramba Omatako, with comments on the development of a national strategy for introduced aquatic organisms in Namibia.

9.1.2 Other

- 1993 Cowx I.G. (editor) Aquaculture Development in Africa. Training and reference manual for aquaculture extensionists. Commonwealth Secretariat. London.
- 1994 Tvedten, I. *et al.* Freshwater Fisheries and Fish Management in Namibia. A socio-economic background study. Social Science Division. Multi-Disciplinary Research Center. University of Namibia.
- 2005 GIWA final report. sub-region 44: Beguile Current. Dr Kim Prochazka
International Ocean Institute - Southern Africa

10. POST-GRADUATE STUDENTS

NAME	DATE	DEGREE	INSTITUTION	THESIS/DISSERTATION TITLE
Hay, C.J.	1994/1995	Ph.D. (Zoology)	Rand Afrikaans University	Response of the Okavango River Fish Community to seasonal variation, exploitation and habitat destruction.
Strauss, W.J.	1995/1996	B.Sc. (Hons)	University of Potchefstroom, South Africa	Growth of <i>Cherax</i> sp under Namibian conditions.
K.A. Dunn; M.D. Hands & N.M. Lloyd	2004	Field Project	Worcester Polytechnic Institute/	Kob aquaculture in Namibia: Land-based versus open ocean systems

			Namibia Project Center	
M. de Sousa	2005	2 nd year Nature Conservation student – field project.	Polytechnic of Namibia	Comparative growth study on oysters along the Namibian coast