

# CURRICULUM VITAE

## DANIËL BAREND LOUW

**NAME OF FIRM:** OABS Development (Pty) Ltd  
**NAME OF STAFF:** Daniël Barend Louw  
**PROFESSION:** Agri Economist  
**DATE OF BIRTH:** 15 February 1963  
**NATIONALITY:** South African



### QUALIFICATIONS

- 1986 B Sc Agric (Agricultural Production), University of Stellenbosch
- 1987 Hons BSc Agric (Agricultural Economics) (Cum Laude). University of Stellenbosch
- 1996 M Sc Agric (Agricultural Economics) (Cum Laude). University of Stellenbosch. Title: "Die ontwikkeling van 'n geheelboerderybeplanningsmodel met behulp van dinamiese lineêre programmering vir die vee- kleingraan-weidingsgebiede van die Suid-Kaap". Study leader: Dr Jan Lombard
- 2001 PhD Agric (Agricultural Economics). University of the Free State. Title: Modeling the potential impact of a water market in the Berg River basin. Study leader: Prof. Herman van Schalkwyk.

### EXPERIENCE

Daan Louw has more than 30 years of experience in **the majority of fields that cover the subject of Agricultural Economics**. Particularly noteworthy is his wealth of experience in critical analysis of the supply chain of several agricultural industries (including livestock, field crops and horticulture), and his **research on water management issues** such as water demand management, irrigation efficiency, optimal irrigation, crop combinations and the feasibility of bulk water supply infrastructure.

During the past 15 years he has gained extensive experience in the modeling of the impact of climate change on the agricultural and other water use subsectors. Amongst others:

- Benefits and costs of adapting water planning and management to climate change and water demand growth in the Western Cape of South Africa.
- Planning water resources development in the Western Cape of South Africa: How do coping with development pressure, climate variability, and climate change impact on each other?
- Managing climate risk for agriculture and water resources development in South Africa: Quantifying the costs, benefits and risks associated with planning and management alternatives.
- Quantifying the costs, benefits and risks associated with climate change risk for water resources - planning and management alternatives in the Berg River Catchment Area of the Western Cape Province of South Africa.
- Adaptive interventions in agriculture to reduce vulnerability of different farming systems to climate change in South Africa.

He has furthermore specialized in the development of **whole farm planning models** to simulate the supply of agricultural products and the demand for agricultural inputs on both a micro and macro scale. This expertise makes Daan one of only a handful of agricultural economists in South Africa in this highly specialized field of agri planning.

Daan was the founder of OABS, an agricultural consulting company, in 1998 and has been at the helm as Managing Director until end of December 2018 (handed over to Dr Oosthuizen) when he was appointed as Chairman of the board.

Always managing to maintain a balance between practicing agricultural economics and agricultural economic research, his working experience in African countries include assignments in Lesotho, Namibia, Botswana, Ethiopia, Morocco, Senegal, Egypt, Angola, Mozambique, Zimbabwe, Zambia, Tanzania, Uganda, Rwanda, Malawi and Kenya. Through years of extensive travelling in Africa he also gained first-hand knowledge of the agri scenarios presented in the SADC region. Daan's commitment to contribute to solving development challenges in Africa and specifically South Africa, has been supported by visits undertaken in his professional capacity to Australia, New Zealand, USA, UK,

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Germany, the Netherlands, France, Denmark, Sweden, Uzbekistan, China, Indonesia, Malaysia and Mauritius, mainly to learn more about water management related problems and/or to present papers on water related issues.

Dr Louw has been involved with the Water Research Commission (WRC) for many years as researcher on several projects. He was also the project leader (team consisted of 11 well known international and local climate change impact related experts) on a major research project on the impact of climate change in the Western Cape for the International Development Research Centre (IDRC) from 2009 to 2011.

During a professional career that always kept him ahead of his game, Daan has been consulted by more than 100 national and international institutions, delivered more than 130 project reports, published 10 articles in accredited scientific journals, contributed to chapters in 4 books, wrote over 40 articles for popular publications, presented 16 papers internationally, was involved either as supervisor or modeler in 12 post graduate studies and supervised three PhD students.

Daan completed degrees at both the University of Stellenbosch and the University of the Free State. Upon completion of his M.Sc. Agric in 1996, he received the award for best Master's Thesis in Agricultural Economics from the Agricultural Economics Association of Southern Africa. He was recognized for the quality of his work by Prof. Norman Dudley from Australia, the external examiner of his PhD dissertation, who described his research as "up to any international standard". From 2003 – 2011 Daan was appointed Associate Professor in Agricultural Economics at the University of the Free State and is currently part-time Lecturer Extraordinary at the Department of Agricultural Economics at the University of Stellenbosch.

Dr Louw was appointed from 2015 to 2018 as a member of Government Technical Advisory Centre (GTAC) Sub-panel of the Jobs Fund Agricultural Specialists, National Treasury, RSA.

He has been based in Paarl in the Western Cape Province of South Africa since 2001 and relocated to Witsand, also in the Western Cape Province towards the end of 2018.

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