

<b>NAME OF FIRM:</b>	OABS Development Pty Ltd
<b>NAME OF STAFF:</b>	Daniël Barend Louw
<b>PROFESSION:</b>	Agricultural Economist
<b>DATE OF BIRTH:</b>	15 February 1963
<b>YEARS WITH FIRM:</b>	15 years
<b>NATIONALITY:</b>	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- kleingraanweidingsgebiede 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 25 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 8 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.

As Managing Director, Daan has been at the helm of OABS, an agricultural consulting company, since 1998. Always managing to maintain a balance between practicing agricultural economics and agricultural economic research, his 11 plus years of working experience in African countries include assignments in Namibia, Botswana, Ethiopia, Morocco, Senegal, Egypt and Kenya. Through years of extensive travelling in Mozambique, Zimbabwe, Namibia, Botswana and Zambia, 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, 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.

During a professional career that always kept him ahead of his game, Daan has been consulted by more than 50 national and international institutions, delivered more than 80 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 is currently supervising three PhD students.

Daan completed degrees at both the University of Stellenbosch and the University of the Free State. Upon completion of his Msc 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.

He has been based in Paarl in the Western Cape Province of South Africa since 2001.

---