

**CURRICULUM VITAE
DAWIE JANSEN VAN VUUREN**

PERSONAL INFORMATION AND CONTACT DETAILS

Name: Isak Dawid Jansen van Vuuren
Date of birth: 1960-07-07
Marital status: Married
Nationality: South African
Profession (specialisation): Professional GISc Practitioner
Company: MetroGIS (Pty) Ltd
Years with firm: 17 years
Position: Managing Director
Experience: 23 years
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KEY QUALIFICATIONS AND EXPERIENCE

Primary function

The application of Geo-Spatial Information Science (GIS) in Environmental Management, Development Planning And Disaster Risk Management. Specialising in impact assessments, vulnerability / sensitivity analysis and remote sensing.

Experience and expertise

- Data sourcing and acquisition;
- Data capture;
- Data processing, conversion, and transfer;
- Geospatial database development, implementation and maintenance;
- Spatial analysis;
- Digital terrain modeling;
- Image processing;
- Remote sensing;
- Map production, display, queries and reporting;
- Disaster risk assessment;
- Spatial development management;
- Environmental management;
- Environmental impact assessment (Visual Impact Assessment);
- Socio-economic surveys;
- Public Participation;
- Project management;
- Database applications development;
- Research.

Technological (software) expertise and experience

- ArcGIS
- ArcView
- ArcGIS Spatial Analyst
- PlanetGIS
- ReGIS
- ReMap
- Autocad
- Autocad Map
- Visual Basic;
- HTML

PROFESSIONAL AFFILIATIONS & ASSOCIATIONS

Professional Geo-Information Sciences (GISc) Practitioner registered with The South African Council for Professional and Technical Surveyors (PLATO). *Membership number: PGP0101*

Associate staff member. African Centre for Disaster Studies, North-West University, Potchefstroom.

WORK EXPERIENCE/EMPLOYMENT DETAILS

High School Rob Ferreira (White River)

Period: 1/1985 - 12/1987
Position: Geography Teacher

Infraplan Town and Regional Planners (Nelspruit, Johannesburg)

Period: 1/1988 - 4/1992
Position: Town Planning Assistant

Midrand Town Council (Midrand)

Period: 4/1992 - 6/1995
Position: GIS Manager

Krugersdorp Town Council (Krugersdorp)

Period: 7/1995 - 8/1995
Position: GIS Manager

MetroGIS (Pty) Ltd

Period: 9/1995 - to date
Position: Managing Director

EDUCATION / QUALIFICATIONS

BA-Ed (1982)	University of Pretoria
BA (Hons) (1988)	UNISA (Geography)
M (T&RP) (1994)	University of Pretoria (GIS Specialisation)
Ph D Candidate	Development Management. North-West University, Potchefstroom Campus.

LANGUAGES

	Reading	Writing	Speaking
Afrikaans	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
German	Moderate	Moderate	Moderate

PROFESSIONAL EXPERIENCE

Development planning (1988 – 1992)

Various projects, involving:

- Township establishment;
- Rezoning;
- Subdivision of land;
- Regional Development Plans;
- Socio-Economic Surveys

Geographic Information System development (1992 – 1995)

GIS development for various municipalities:

- Krugersdorp,
- Lethabong (Edenvale),
- Nelspruit,
- Brits,
- Malelane,
- Mogalakwena

Geo-Spatial Information Science Consultancy (1995 – present)

List of selected projects undertaken since 2000:

GIS: System Design & Development	
Municipal GIS:	
<i>Nelspruit Town Council - GIS design & implementation</i>	1999 - 2000
<i>Jeffreys Bay Municipality - GIS design & implementation</i>	1999 - 2000
<i>Theewaterskloof Integration of Digital Aerial Photography with existing GIS data</i>	2002
<i>Mogalakwena Municipality - GIS design & implementation</i>	2004-2005
<i>Tshwane Metropolitan Municipality: Outdoor Advertising Control System</i>	2003 - 2005
<i>Tshwane Metropolitan Municipality: Noise Zone Database and GIS Viewer</i>	2005-2006
<i>Mbombela Municipality: Outdoor Advertising Control System</i>	2007
<i>Mbombela Municipality: Traffic Signs Management System</i>	2008
Project Management:	
<i>CMIP: National Dept of Provincial and Local Government</i>	2000 - 2001
<i>CMIP - North West Dept of Developmental Planning, Local Government & Housing</i>	2001 - 2003
<i>GIS Basemap Update and Data Integration:- Greater Pretoria Metropolitan Council</i>	2001
Research Projects:	
<i>Maguga Dam Socio-Economic Study: Database Design and System Development for Data-Input and Statistical Reports</i>	2000
<i>Mbombela Business Survey: - Integrated Website Development</i>	2003
<i>Integrating GIS functions with DM Research Tools</i>	2005 - 2006
Specialised GIS Applications for Environmental Management	
Environmental Management Framework (EMF):	
<i>Alexandra Renewal Project</i>	2001
<i>Rustenburg Municipality</i>	2003
<i>Ekurhuleni Metropolitan Municipality (Northern Service Delivery Region)</i>	2004
<i>Johannesburg Metropolitan Municipality (Kyalami / Modderfontein EMF)</i>	2006
<i>Ekurhuleni Metropolitan Municipality (Southern & Eastern Service Delivery Region)</i>	2007
<i>Department of Environmental Affairs & Tourism: Garden Route</i>	2008
<i>Department of Environmental Affairs & Tourism: Waterberg District Municipality</i>	2010
<i>KZN Department of Agriculture and Environmental Affairs: Richards Bay Port & IDZ</i>	2011
Specialised GIS Applications for Disaster Management	
<i>GIS Services - Y2K Disaster Management Center, National Department of Local Government</i>	1999 - 2000
<i>Disaster Management System: Bojanala District Municipality</i>	2004
<i>Disaster Management Plan: Hibiscus Local Municipality</i>	2005
<i>Disaster Management System for Metropolitan Municipalities</i>	2004-2006
<i>Tshwane Metropolitan Municipality.</i>	2005
<i>Nelson Mandela Bay Metropolitan Municipality.</i>	2006
<i>GIS Based Tool for Disaster Risk Assessment - Amathole District Municipality</i>	2006