

JAN VAN BENNEKOM-MINNEMA



PROFILE

- Master of Science 'Geographical Information Management and Applications'.
- Specialist in Geo-ICT/ GIS, land administration, spatial planning.
- Development of information systems and geo-databases.
- Over 30 years professional (international) experience.
- Languages; English & Dutch: excellent, German & Spanish: good, Portuguese & French: basic.

Jan van Bennekom-Minnema is a specialist in geographic information and information system development, with over 30 years of professional experience. Jan is fluent in the English-language (verbal and in writing), and he holds a Master of Science Geographical Information Management and Applications with distinction 'cum laude'.

He has worked extensively across Africa, West and Eastern Europe, Central and South America, the Caribbean, the Middle East, and Asia on projects involving the development of geographical information systems (fit-for-purpose and business/mission-critical), as well as data processing, analysis, and production.

These projects encompassed a range of subjects, including land administration, land registry and cadastre, systematic property registration, field tenure data collection, urban and spatial planning, spatial development frameworks, and public asset management. He has gained extensive experience across all roles and phases of these projects.

COMPETENCES & SKILLS

- Bridging understanding between Business and ICT.
- Interpersonal skills.
- Teamwork.
- Thorough and methodical.
- Adaptability.
- Perseverance, problem-solving.
- Accountability.
- Creativity (Digitally).
- Analytical.

He possesses good interpersonal, communicative skills and is used to working together in teams, and with colleagues, clients and stakeholders of different backgrounds. Jan is organised and works thoroughly and methodical with a good eye for details, budget, deadline, and result.

He has a passion for Geo-ICT and software development. He always experiments, innovates and implements new possibilities. He actively maintains and expands his skills and knowledge of current and novel (geospatial) technologies (e.g. spatial data infrastructures (SDI), geo-databases, geo-web services, model-driven software generation), as well as on available open geospatial data sources (e.g. open data from WB, WHO, GHSL, WorldPop, GeoNames, Open Street Map, Living Atlas, Open Digital Elevation Model, national Census Bureaus).

He has co-authored several publications about his work and projects.

COMPUTER SKILLS

- MS Office.
- Information system design.
- Programming.
- GIS, geo-databases.
- Geo-data analysis.
- Spatial data infrastructures.

Jan has years of experience with MS Office products (MS 365 Apps for Enterprise) and many other (geospatial) tools, methods and programming languages:

QGIS, ArcGIS (Pro & Online), Docker, Geonode, Geoserver, Python, (Geo)Django (model-driven software generation), PyCharm IDE, MS Visual Studio, C#, ASP.NET MVC, Entity Framework, VBA, UML, BPMN, PostgreSQL, PostGIS, PL/pgSQL, MS SQL Server, MS Access, ODK Collect & Central, Enterprise Architect (Sparx).

HOBBY'S

- Running, skating, cycling, snowboarding.
- Research into new Geo-ICT technologies and geo-data.
- Formula 1.

EDUCATION

- 2022 **Post-graduate** Urban Management Tools for Climate Change & Green Cities for Eco-efficiency, *Institute for Housing and Urban Development Studies (IHS), Erasmus University Rotterdam*.
- 2015 **Masterclass** 'IT Architecture', *NCOI University*.
- 2008 **MSc** 'Geographical Information Management and Applications', graduated with distinction 'cum laude', *University of Delft, Utrecht, Twente (ITC), and Wageningen*.
- 1990 **Post-graduate** 'Business Administration, University Nijenrode CT'.
- 1989 **Bachelor of Science** 'Electrical Engineering' (Process Automation).

Aside from the above-mentioned education, Jan has completed a considerable amount of professional training courses.

JAN VAN BENNEKOM-MINNEMA

EMPLOYMENT RECORD

2024 – now: **freelancer**

2023 – 2024: **Van Doorn (Netherlands)**

- GIS Coordinator.
- Information Manager.

2004 – 2023: **COWI A/S (Denmark)**

- Specialist in IT/IS/GIS Architecture, Software and Database Development in the context of Land Administration, Spatial Planning.

2002 – 2004: **CSC (Netherlands)**

- Web application development.
- Software configuration and release management.

1998 – 2002: **DHV (Netherlands)**

- IS/IT specialist in land registration and cadastre projects.

1995 – 1998: **Oracle (Netherlands)**

- Information system development with Oracle databases & software.

Since 1990, Jan has worked in a variety of roles and responsibilities:

- Coordination of GIS activities in multiple projects based on ArcGIS Online environment with over 200 users.
- Development & maintenance of geo-data infrastructures based on ArcGIS Online as well as open-source software (for example: PostgreSQL, Geoserver, and Geonode).
- Development of GIS-tools, software, databases.
- Professionalise GIS environment and activities to improve efficiency and effectiveness of internal GIS related processes, and to develop new applications and services for clients (digital transformation).
- Member of GIS Technical Community for all COWI GIS users.
- Implement system integration of separate business critical systems such as: Customer Relationship Management (CRM), Enterprise Resource Planning (ERP), Document Management System (DMS), Geographic Information System (GIS), Asset Management System (AMS).
- Field (spatial) data collection with apps on mobile devices (mobile phones, tablets) synchronised with central data servers.
- Manage production of legal textual and spatial land administration data and certificates, such as parcels and right holder info into leases.
- Analysis, migration, conversion, and (online) visualisation of vector/raster/2D/3D geographical information.
- Quality assurance and control of project deliverables.
- Audits of software development processes.
- Contribute to submissions in response to requests/invitations to tender.
- (Co-)Authoring publications/papers on projects and experiments.

PROJECTS

GIS/ICT Expert

Jan has worked on many international projects and roles, for example:

ICT Consultant

Digitalization of Nepal's Land Administration Sector, 1/2025 – now (**Nepal**).

Land Admin IT Specialist

Responsible and Innovative Land Administration, 10/2024 – now (**Ethiopia**).

Mapping, GIS and 3D modelling Expert

MDIH project Land and Gender component, 6/2024 – 5/2025 (**Lesotho**).

GIS Expert

Greater Accra Metropolitan Area Structure Plan, 11/2021 – 2/2023 (**Ghana**).

GIS Specialist

Analytical Advice to Support Green, Liveable and Resilient City Development in **Serbia**, 10/2021 – 2/2023.

Software Dev. QA and QC Auditor

Physical Plan Jinja-Kampala-Mpigi Corridor, 12/2020 – 10/2022 (**Uganda**).

GIS Expert

Quality Audit software development process, 5-6/2021 + 1/2023 (**Albania**).

IT Expert

Development of Maseru City Masterplan, 9/2019 – 1/2021 (**Lesotho**).

Senior IT Expert

Saudi Arabia Property Registration Project, 9/2019 – 1/2020.

GIS/IT Specialist

Land Administration and Management Project, 7/2017 – 8/2019 (**Eswatini**).

LIS Software QA and ICT Training Expert

Botswana National Spatial Plan, 1/2016 – 12/2018 (*resident of Gaborone*).

Information System Design Expert

Land Tenure Regularisation (LTR) programme, 3 – 7/2015 (**Rwanda**).

Auditor of IT System Integration Project

Electrification Programme, 2/2014 – 12/2015 (**Denmark**).

LIS Software QA and ICT Training Expert

Land Administration and Management Project, 7 - 9/2014 (**Albania**).

Mapping / GIS Specialist and Production Manager

Analyse and design and Land Management System, 4 - 8/2014 (**Tanzania**).

Senior Advisor Project Management & IT QA and QC Auditor

Systematic Land Regularization in **Lesotho**, 4/2012 – 11/2013 (*resident of Maseru*).

Team Leader / IT Solution Architect

Land Administration and Management Project, 2/2010 – 4/2012 (**Albania**).

Improve operations of the Property Registries in **Mozambique**, 7/2008 – 6/2010.