

**PERSONAL INFORMATION**

**Name:** Salome Wabuye

**Date of Birth:** October 20<sup>th</sup>, 1975

**Citizenship:** Kenya

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**Email:** salwabuye@gmail.com

**EDUCATION:**

Institution	Degree(s) or Diplomas obtained	Date obtained
ITC, Faculty of Geo-Information Science and Earth Observation of the University of Twente, Netherlands	Master in Geo-information Science and Earth Observation (Geoinformatics)	2012
ITC, Faculty of Geo-Information Science and Earth Observation of the University of Twente, Netherlands	Diploma in Geo-information Science and Earth Observation (Geoinformatics)	2010
Technical University of Kenya (TUK)- Formerly The Kenya Polytechnic	Diploma in Cartography	1998

**OTHER TRAINING**

- Data Manipulation and Analysis with excel, 2019
- Mapping with QGI, 2017
- Mineral Potential Prediction Using GIS, 2014
- Image Analysis with ERDDAS IMAGINE, 2013
- Mobile Mapping with ArcGIS, 2009
- ArcGIS Desktop I-II, 2009
- Building and managing Multi-user Geodatabases, 2009
- Introduction to ArcGIS Server, 2009

**EMPLOYMENT HISTORY:**

Period	Employer	Position held and duties
August 2017 - Present	Kenya Roads Board (KRB)	Deputy Manager, GIS → Design the KRB GIS database structures ensuring accuracy and easy access of data → Update KRB's Geodatabase of Roads through annual roads inventory and condition data collection → Assist in Maintaining an updated road register

		<ul style="list-style-type: none"> <li>→ Coordinate GIS data entry and processing ready for use</li> <li>→ Ensure GIS database integrity and security Create information products based on the GIS database as may be required for efficient exercise of KRB functions and operations.</li> <li>→ Design interfaces for data exchange to other road planning and management systems (RMMS, HDM- 4 etc)</li> <li>→ Safeguard the GIS data, systems and applications to ensure integrity and security.</li> <li>→ Design appropriate use interfaces to enhance quality and efficient use of GIS data.</li> </ul>
Jan 2013- 2017	Technical University of Kenya (TUK)- <b>Department of Geoinformation Science and Earth Observation</b>	<b>Sessional Assistant Lecturer -Digital Cartography Unit</b> Duties include: <ul style="list-style-type: none"> <li>→ Teach diligently and cover the syllabus as provided in the course outline</li> <li>→ Assess the students and provide continuous assessment feedback, and supervise examinations for the course</li> <li>→ Mark examination scripts and submit completed mark sheets to the chairman.</li> <li>→ Submit handing over report advising on general performance in the delivery of courses assigned and possible solutions</li> <li>→ Perform any other duties of teaching as may be assigned</li> </ul>
Sep 2014 – Feb 2017	CPCS Transcom Limited	<b>GIS Consultant</b> General duties: <ul style="list-style-type: none"> <li>→ Developing innovative ways to analyze geo-spatial data in line with project-specific objectives.</li> <li>→ Advise and assist my colleagues in finding sustainable solutions to transport and energy problems through geospatial analysis</li> <li>→ Collecting, managing and storing geographical information for different projects, creating, maintaining and managing the structures necessary for GIS data storage.</li> <li>→ Present findings in easily understandable products using powerful visuals.</li> </ul>
Sep 2013 – April 2014	Technical University of Kenya (TUK)- <b>Department of Urban and Regional Planning</b>	<b>Part Time Lecturer –GIS Applications in Planning Unit</b> Duties included: <ul style="list-style-type: none"> <li>→ Teach diligently and cover the syllabus as provided in the course outline</li> </ul>

		<ul style="list-style-type: none"> <li>→ Asses the students and provide continuous assessment feedback, and supervise examinations for the course</li> <li>→ Mark examination scripts and submit completed mark sheets to the chairman.</li> <li>→ Submit handing over report advising on general performance in the delivery of courses assigned and possible solutions.</li> <li>→ Perform any other duties of teaching as may be assigned</li> </ul>
Sep 2012 – Dec 2013	Technical University of Kenya (TUK)- <b>Department of Geoinformation Science and Earth Observation</b>	<b>Sessional Assistant Lecturer</b> <b>Units taught: Advanced GIS, Demographic Mapping and Disaster Management and Mapping</b> Duties included: <ul style="list-style-type: none"> <li>→ Teach diligently and cover the syllabus as provided in the course outline</li> <li>→ Asses the students and provide continuous assessment feedback, and supervise examinations for the course</li> <li>→ Mark examination scripts and submit completed mark sheets to the chairman.</li> <li>→ Submit handing over report advising on general performance in the delivery of courses assigned and possible solutions.</li> <li>→ Perform any other duties of teaching as may be assigned</li> </ul>
Oct 2006- Aug 2014	Ministry Land, Housing and Urban Development, Department of Physical Planning	<b>Physical Planning Assistant</b> Duties included: Data collection, verification, Build databases and maintain them and produce maps
Sep 2002- Oct 2006	Photomap (K) LTD.	<b>Cartographer</b> Duties included: <ul style="list-style-type: none"> <li>→ Coordinating operations between the photogrammetry and the G.I.S department, manage final deliveries to clients</li> <li>→ Meeting clients to discuss their mapping needs and provide estimated costs of the work</li> <li>→ Collecting and analyzing data for different projects, scan paper maps, digitize and create different maps</li> </ul>
1999- 2001	Geomaps (K) Ltd	<b>Cartographer</b> Duties included: Scanning existing source materials, Georeferencing, and digitizing
References: <b>Dr. Herbert Musoga</b> , then :Deputy Director- Department of Physical Planning, Now: Director for Planning, National Lands Commission (NLC) Tel : +254722908294, email: herbertmusoga@yahoo.com) <b>Dr. Samson Ayugi</b> , Chairman Department of Geoinformation and Earth Observation, Technical University of Kenya (TUK), Tel: +254734950279		

**Mr. Henry Murwa:** CEO / Proprietor Dimap Geosystems Limited, Tel: +254 (20) 2713958, email: info@digmapgeosystems.com

## COUNTRIES OF WORK EXPERIENCE:

Kenya, Botswana, Tanzania

## LANGUAGES:

Language	Reading	Speaking	Writing
English	Excellent	Excellent	Excellent
Kiswahili	Excellent	Excellent	Excellent

## EMPLOYMENT

### History of Employment & Project Experience

<b>Name of assignment:</b>	Zimbabwe National Transport Master Plan
<b>Year:</b>	2015- ongoing
<b>Location:</b>	Zimbabwe
<b>Client:</b>	Ministry of Transport and Infrastructural Development (MOITD)
<b>Main Project Features:</b>	MoITD engaged CPCS to carry out the development of a comprehensive national transport infrastructure master plan aligned to addressing the country's transport requirements in the short, medium to long term periods taking into account inclusive and green growth.
<b>Position held:</b>	<b>GIS Expert</b>
<b>Activities performed:</b>	
	→ Spatial Data Collection

<ul style="list-style-type: none"> <li>→ Develop a National Transport Database</li> <li>→ Preparing maps that depict key features of the project to present results of the project findings</li> <li>→ Carry out counterpart training in GIS</li> </ul>	
<b>Name of assignment:</b> <b>Year:</b> <b>Location:</b> <b>Client:</b> <b>Main Project Features:</b>  <b>Position held:</b> <b>Activities performed:</b>	Nairobi Southern By-pass 2015- ongoing Kenya National Treasury/ Kenya National Highway Authority CPCS was engaged as the transaction advisor to assist the Government of Kenya in selecting a private sector partner to award a concession contract to operate and maintain the Nairobi Southern Bypass Road. The construction of the road is currently underway and is expected to be completed by July 2015. <b>GIS Expert</b>  <ul style="list-style-type: none"> <li>→ Spatial Data Collection and Map preparation</li> <li>→ Participated in roadside surveys</li> </ul>
<b>Name of assignment:</b> <b>Year:</b> <b>Location:</b> <b>Client:</b> <b>Main Project Features:</b>  <b>Position held:</b> <b>Activities performed:</b>	Study for the Implementation of an Improved Metropolitan Public Transport System for the Greater Gaborone Area 2014- ongoing Botswana Ministry of Transport and Communication Provide the Ministry of Transport & Communications (MoTC) concrete interventions and a detailed implementation plan for the proposed bus based transport network in Greater Gaborone. <b>GIS Expert</b>  <ul style="list-style-type: none"> <li>→ Preparing basemap</li> <li>→ Collecting and managing spatial data related to the project</li> <li>→ Preparing maps that depict key features of the project to present results of the project findings</li> <li>→ Developing Geodatabase of the transport system of Greater Gaborone and entire metropolitan area</li> </ul>
<b>Name of assignment:</b> <b>Year:</b> <b>Location:</b> <b>Client:</b> <b>Main Project Features:</b>	Study for the Preparation of the National Multi-Modal Transport Master Plan and the Greater Gaborone Transport Master Plan 2014- ongoing Botswana Ministry of Transport and Communication Preparation of an Integrated Multimodal National Transport Master Plan and Greater Gaborone Transport Master Plan (MTC), Botswana. In addition, CPCS is to examine regional integration strategies and provide professional advice on the same. The aim of the project is to develop transport planning capacity in Botswana through the facilitation of sector management and

<p>integration of transport sub-sectors with other sectors such as mining, agriculture, trade and industry, and tourism.</p> <p><b>Position held:</b> GIS Expert</p> <p><b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>→ Design the Spatial Database Schema</li> <li>→ Collecting and managing spatial data related to the project</li> <li>→ Design Base maps to be hosted on the Database</li> <li>→ Assist in writing the spatial content chapter of the working papers</li> </ul>	
<p><b>Name of assignment:</b> Spatial Plan Socio-Economic Surveys, Infrastructure Upgrading Plans, Engineering Designs, Preparation of Bidding Documents, Environmental Impact Assessment, and Resettlement Action Plans in Informal Settlements</p> <p><b>Year:</b> 2014</p> <p><b>Location:</b> Mombasa, Malindi and Kitui towns</p> <p><b>Client:</b> Kenya Informal Settlement Improvement Project (KISIP); Ministry of Land, Housing and Urban Development</p> <p><b>Main Project Features:</b> CPCS was contracted by Kenya Informal Settlement Upgrading Project (KISIP) to carry out socio-economic studies, prepare infrastructure upgrading plans, engineering designs, and bidding documents, conduct environmental impact assessments (EIAs) and prepare Resettlement Upgrading Plans for 8 informal settlements in Mombasa, Malindi and Kitui.</p> <p><b>Position held:</b> GIS Consultant</p> <p><b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>→ Data Collection and Preparation of basemaps for route and site plans</li> </ul>	
<p><b>Name of assignment:</b> National Spatial Plan</p> <p><b>Year:</b> 2013-2014</p> <p><b>Location:</b> Nairobi, Kenya</p> <p><b>Client:</b> Ministry of Land, Housing and Urban Development</p> <p><b>Main Project Features:</b> The project involved collecting and analysing spatial information in Kenya to prepare a high level plan that would inform the lower level (County) development plans.</p> <p><b>Position held:</b> Planning Assistant (Lead GIS Technician)</p> <p><b>Activities performed:</b></p> <ul style="list-style-type: none"> <li>→ Data Collection, analysis and Mapping</li> </ul>	
<p><b>Name of assignment:</b> Taita Taveta Draft Development Integrated Spatial Plan</p> <p><b>Year:</b> 2013</p> <p><b>Location:</b> Taita-Taveta, Kenya</p> <p><b>Client:</b> County Government of Taita Taveta</p> <p><b>Main Project Features:</b> The County Governments Act under Section 108 provides for the preparation of a five year County Integrated Development plan in each County The plans depict integrated development plans prepared for the County. The County Integrated Development plans is the imprint of the government's wishes for the people and drafted through a public participatory process.</p>	

<b>Position held:</b>	GIS Consultant
<b>Activities performed:</b>	<p>→ Spatial data needs Analysis, Data collection and Captures, Database creation and Data Presentation (Draft Plan Preparation)</p>
<b>Name of assignment:</b>	Kisumu and Lamu Special Economic Zone Plan
<b>Year:</b>	2011
<b>Location:</b>	Lamu, Kenya
<b>Client:</b>	Ministry of East African Affairs, Commerce and Tourism
<b>Main Project Features:</b>	Prepare a plan for processing hubs that would facilitate construction of an industrial zone that would be used for importation of raw materials for processing into exports. It would include an agro-processing zone for blending and packaging of fertilisers, teas and coffees, and meat processing facility to encourage offshore fishing.
<b>Position held:</b>	Planning Assistant (GIS)
<b>Activities performed:</b>	<p>→ Data Collection, analysis and Mapping</p>
<b>Name of assignment:</b>	Special Economic Zone Planning
<b>Year:</b>	2011
<b>Location:</b>	Lamu, Kenya
<b>Client:</b>	Ministry of East African Affairs, Commerce and Tourism
<b>Main Project Features:</b>	Prepare a plan for processing hubs that would facilitate construction of an industrial zone that would be used for importation of raw materials for processing into exports. It would include an agro-processing zone for blending and packaging of fertilisers, teas and coffees, and meat processing facility to encourage offshore fishing.
<b>Position held:</b>	Planning Assistant (GIS)
<b>Activities performed:</b>	<p>→ Data Collection, analysis and Mapping</p>
<b>Name of assignment:</b>	Enumeration Area (EA) Census' Map Preparation
<b>Year:</b>	2009
<b>Location:</b>	Nairobi, Kenya
<b>Client:</b>	Digmap Geosystems Limited
<b>Main Project Features:</b>	Digmap Geosystems Limited was contracted by The Kenya National Bureau of Statistics (KNBS) to help expedite the mapping process for the 2009 census. Main purpose of the mapping was to map delineated Enumeration areas, which are the units used for: recruitment and deployment, distribution of materials and other logistics etc. High resolution aerial photography maps and vector data sets were provided by KNBS to the Consultants for all the urban centers in the country.
<b>Position held:</b>	GIS Expert for Digmap Geosystems Limited
<b>Activities performed:</b>	<p>→ Staff Training, Data capture (Digitizing) from high resolution aerial photography maps and overlaying with vector datasets to produce Enumeration area Maps</p>

**Publications**

1. Book: Designing a Web based Multi-scale Basemap for Land use Thematic Maps (ISBN 978- 3-639-66514-7)
2. Conference Paper: **GIS PEDAGOGY, Towards Delivering a Geographically Literate Society**, International GIS Conference, MMUST University, August 2015
3. Conference Paper: **Mineral Potential Predictive Modeling using GIS** (a White Paper for Kenya County Governments), ESRI User Conference, 2014

**Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience and I am available to undertake an interview and the assignment in case I am awarded the opportunity. I understand that any misstatement described herein may lead to my disqualification.

Salome Wabuye



09 /March/2017

Name

Signature

Date