

JOYCE WANJIRU GACHUGI

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Profile Brief: Sustainability Practitioner

Gachugi is an environmental scientist who is passionate about using both her skills and knowledge to tackle current sustainability challenges facing the global populace. She is a focused and result oriented professional who has gained vast experience in environmental management and sustainability practice while working on projects and programmes in both the public and private sector in implementing sustainability programmes, environment and quality management systems, climate change mitigation, greenhouse gas management, renewable energy, climate finance, and waste management.

She possesses 11 (eleven) years of work experience developed across the consultancy sector, the energy sector (both bottom of the pyramid energy solutions and large-scale power production) and the waste sector. Gachugi has extensive experience working in East Africa, West Africa, and Southern Africa in multi-cultural environments.

Areas of Knowledge and Expertise

<ul style="list-style-type: none">• Climate Change• Climate Finance• Waste Management• Renewable Energy• Environmental Management• Greenhouse Gas Accounting• Sustainability	<ul style="list-style-type: none">• Proposal Writing• Project Management Development/ Design• Budget Planning & Management• Training & Development• Equator Principles	<ul style="list-style-type: none">• Contract negotiations and management• Stakeholder Engagement & building Partnerships• Management Reporting-Writing• Relationship Management
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Professional Experience

Company: Kenya Electricity Generating Company Limited (KenGen)

June 2013 – December 2017

Position: Senior Clean Development Mechanism Scientist

Responsibilities

❖ Asset Development & Portfolio Management – Oversee all projects and initiatives under the Clean Development Mechanism (CDM) Section

This entailed, but not limited to:

- Develop relevant documentation under both the CDM Mechanism and the Gold Standard Mechanisms;
- Develop and Implement World Bank funded Community Benefit Projects associated with carbon asset projects;
- Manage the Monitoring, Reporting and Verification programs for all carbon asset projects;

❖ Asset Monetization – Oversee the sale and transaction of matured carbon assets;

❖ Climate Change - Implement climate change and sustainability programmes at the corporate level; Coordinate activities with the Ministry of Energy and Petroleum & the Ministry of Environment and Natural Resources on mainstreaming climate change at the corporate level;

❖ Project management- Preparation of project proposals; Initiation, planning and execution of community benefit projects;

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- ❖ Stakeholder Engagement – Undertake stakeholder engagement in line with Equator principles for community benefit projects;
- ❖ Change Management – Implement awareness training and develop programmes for staff on climate change and sustainability
- ❖ Budget Planning & Management – Prepare budget forecast for CAPEX (Capital Expenditure) and OPEX (Operational Expenditure) requirements, monitor expenditure and prepare procurement and disposal plans. Prepare, manage, evaluate and negotiate procurement bids and contracts.

Key Achievements:

- Successful monetization of certified emission reductions (CERs) at a value of USD 3 Million over three (3) years from the company's carbon asset portfolio, with ongoing monetization in FY 2017/2018 for 570,000 USD;
- Developed the business plan for the establishment of a Climate Finance Centre for the company envisaged to create opportunities for development of climate mitigation options in the energy sector currently going through board approval;
- Initiated a partnership between the Nairobi Securities Exchange and KenGen for the establishment of a carbon trading segment on the derivatives platform of the national exchange;
- Developed the corporate sustainability Strategy for Kenya Electricity Generating Company Limited – KenGen (Kenya);
- Led a team that implemented the first successful sustainability audit and reporting in line with Government of Kenya performance contracting targets

Company: Barefoot Africa

January 2013- June 2013

Position: Carbon Programme Manager - Africa

Responsibilities

- ❖ Relationship Management - Undertake Local coordination and relationship management as well as helping country managers, Maintaining relationships with local country Designated National Authorities and other third parties, Helping with the relationships with Designated Operational Entities and other experts, Help with correspondence with UN Executive Board and Designated Operational Entities
- ❖ Project Management - Working with both country managers and regional managers to ensure carbon group tasks are met, Develop strategies for monitoring and data collection for carbon revenue, Ensuring high quality of communication between geographically disperse employees on carbon issues,
- ❖ Asset Development - Develop relevant documentation under both the CDM Mechanism and the Gold Standard Mechanisms, Working with third parties to prepare validation and verification of projects, Ensuring carbon documentation is written at a high quality and deadlines are met,
- ❖ Asset Monetization - Develop forecasts and areas of growth,

Key Achievements:

- Successfully negotiated for letters of approval (LOAs) from government agencies across East Africa for the implementation of carbon asset projects.

Company: ToughStuff International (United Kingdom)

April 2012– March 2013

Carbon Relationship Manager – Eastern Africa

Responsibilities

- ❖ Relationship Management - Undertake Local coordination and relationship management as well as helping country managers, Maintaining relationships with local country Designated National Authorities and other

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<p>third parties, Helping with the relationships with Designated Operational Entities and other experts, Help with correspondence with UN Executive Board and Designated Operational Entities</p> <ul style="list-style-type: none"> ❖ Project Management - Working with both country managers and regional managers to ensure carbon group tasks are met, Develop strategies for monitoring and data collection for carbon revenue, Ensuring high quality of communication between geographically disperse employees on carbon issues, ❖ Asset Development - Develop relevant documentation under both the CDM Mechanism and the Gold Standard Mechanisms, Working with third parties to prepare validation and verification of projects, Ensuring carbon documentation is written at a high quality and deadlines are met, ❖ Asset Monetization - Develop forecasts and areas of growth. <p>Key Achievements:</p> <ul style="list-style-type: none"> ▪ Developed the monitoring tool for recording the sales of solar lamps and end user agreements used to calculate the certified emission reductions (CERs), ▪ Successfully negotiated for letters of approval (LOAs) from government agencies across East Africa, West Africa and Southern Africa for the implementation of carbon asset projects. 	
<p>Environmental Cost Management Centre (Kenya) Project Manager – Environment, Waste & Climate Change</p>	<p>November 2009 – March 2012</p>
<p>Responsibilities</p> <ul style="list-style-type: none"> ❖ Project Management - implemented environmental audits, environmental impact assessments and other related environmental management projects Environmental Management Section overseeing projects on sustainable value chain development, waste management, climate change and cleaner development mechanism (CDM) projects. ❖ Budget Planning and Management - Prepare budgets for projects and prepare weekly reports on expenditure; ❖ Proposal Development – Develop and respond to requests for project proposals (RfP) and expression of interests (EOI); ❖ Team Lead – Negotiate contracts with clients and prepare contractual agreements; Client liaison and relationship management; manage a team of 15 staff and coordinate associate consultants of the firm assigned to projects <p>Key Achievements:</p> <ul style="list-style-type: none"> • Development of the Integrated Waste Management Plan (2010) for Nairobi County in conjunction with JICA, currently the waste management blueprint for the county; • Developed a framework for a public private partnership (PPP) between the Nairobi City council, a local small medium enterprise and the Ministry of Food and Agriculture (The Netherlands) for the production of fertilizer from organic waste from local markets; • Undertook the household survey for the development of the Least Cost Power Development Plan, currently the energy sector blue print on power development in Kenya. 	
<p>Company: Tiedemann International (USA) Project Officer</p>	<p>June 2006 – October 2009</p>
<p>Responsibilities</p> <ul style="list-style-type: none"> ❖ Remotely managed the back end office operations – billing and deliveries and customer service using a enterprise resource software ❖ Liaising with the Human Resources department to ensure that all staff working at the warehouse have relevant immigration status as required by the law; 	

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- ❖ Working with vendors to ensure delivery of waste from various collection centers across the US and delivery to the company warehouses in Arizona
- ❖ Undertook duties as the personal assistant to the Chief Executive Officer

Key Achievements:

- Successfully deployed the billing system, waste categorization system for various clientele across various parts of the globe saving the company 200,000 USD

Education and Training

September 2014 – Ongoing

University of Nairobi

Master of Arts – Environmental Planning and Management

Jan 2003 - June 2006

Kenyatta University

Bachelor of Science – Environmental Science (Upper Second Class Honours)

Trainings:

- April 2017 – Sustainability Reporting – National Environmental Management Authority (KE)
- March 2017 – Introduction to LEAP software for Greenhouse Gas Accounting - CAMCO
- July 2016 – Introduction to Derivatives and Bonds Markets – Nairobi Securities Exchange & Peter Skerit (SA)
- April 2009 – Introduction to Geographical Information Systems – Kenyatta University & Ecosystems Limited

Professional Affiliations

- Environment Institute of Kenya (EIK)
- National Environmental Management of Kenya (NEMA). Lead Expert Registration Number 7734

Community Membership

- Joan Chazima Sickle Cell Foundation – Member of the Board
- Kenya Association of Women Business Owners (KAWBO) - Member

Publications

1. Scheinberg, A.; Agathos, N.; Gachugi, J.W.; Kirai, P.; Alumasa, V.; Shah, B.; Woods, M.; Waarts, Y.R.(2011). *Sustainable valorization of Organic Urban Wastes – Insights from Africa*. Wageningen: WageningenUR, 2011. <http://library.wur.nl/WebQuery/wurpubs/406488>
2. Publisher for Clean Leap – <http://cleanleap.com/users/joycegachugi-waweru>

Languages

Fluent in spoken and written English and Swahili
Working Knowledge in French

References

- 1- Name of Referee: Simon Glossop (Mr.)**
Company Name: ToughSuff International
Position Held: Chief Executive Officer
Contact Number: +44 (0)792 000 0050
- 2- Name of Referee: Anne Scheinberg (Ms.)**
Company Name: WASTE Advisers on urban environment and development,
Position Held: Senior Adviser, Solid waste and recycling, Coordinator, Solid Waste Activities,
Contact Number: +31 70 345-1794
- 3- Name of Referee: Patrick Kinyua (Mr.)**
Company Name: Kenya Electricity Generating Company Limited
Position Held: Director – Regulatory Affairs
Contact Number: +254 720 789 356