

CURRICULUM VITAE

Family name: Buoga
First names: Jared Omondi
Date of birth: 10th Sept 1980
Nationality: Kenya
Civil status: Married
Home Address: P.O. Box 313 – 40606 Ugunja, Kenya.
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Education:

| Institution | Degree(s) or Diploma(s) obtained: |
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| ITC – University of Twente, The Netherlands (September 2013 – March 2015) | Master of Science in Geo-information Science and Earth Observation for Natural Resources Management |
| University of Nairobi - SPS (2012 - 2018) | Master of Science in Climate Change Science |
| World Food Systems Centre (WFSC), Swiss Federal Institute of Technology (ETH), Zurich (August – Sept 2013) | Certificate Sustainable Agriculture and the World Food System. |
| United Nations Institute for Training and Research (Oct – Nov 2012) | Certificate on Introduction to Green Economy: Concepts and Applications |
| Centre for Development Innovation (CDI), Wageningen University Research, Netherlands and Kwame Nkrumah University of Science and Technology (KNUST), Ghana (Oct – Nov 2012) | Certificate International Short Course – Adaptive Management for Natural Resources Management: Supporting decentralized forest and nature Management for rural development. |
| Sustainability Institute, South Africa, Swiss Federal Institute of Technology ETH, Zurich and Alliance for Global Sustainability (Oct –Nov 2009) | Certificate Sustainable Agriculture and Food Security |
| Egerton University – Njoro Main Campus (August 2002 – November 2007) | Honours Bachelor of Science Degree in Natural Resources Management |
| Alliance for Global Sustainability (AGS), and Swiss Federal Institute of Technology ETH, Zurich, (July 2007) | Certificate – Education Course in Agenda 21 and Environmental Sustainability. |
| Centre for Integrated Research in ASAL Development (CETRAD) and Centre for Development and Environment (CDE) – University of Bern, Switzerland (March – June 2006) | Certificate – Geographical Information System – Geoprocessing analysis. |

Language skills:

| Language | Reading | Speaking | Writing |
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| English | 1 | 1 | 1 |
| Kiswahili | 1 | 1 | 1 |
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Membership of professional bodies:

- National Environmental Management Authority (NEMA)
- Management for Development Results, Africa for Results, Africa Community of Practice (AfCOP), COMESA
- Nature Kenya
- East African Environmental Network

Other skills:

- Knowledge in Result Based Management (RBM), Logical Framework Analysis (LFA), Gender Equality, Project design and management, Strategic Planning and performance management
- Solid skills in data collection and analysis, writing reports, policy briefing notes and talking points.
- Practical competence in spatial data management and geoprocessing analysis using SPSS, STATA, DINAMICA-EGO, and ArcGIS 10.2.2 ESRI GIS software
- Proven expertise in Remote Sensing and working with remote sensed data, and RS software ERDAS IMAGINE,
- Effective team player in capacity building, implementation and management.
- Facilitated and organized workshops on sustainability and sustainable development including green economy principles and start-ups initiative support and subsequent scale ups.

Present position:

Executive Director – Tembea Youth Centre for Sustainable Development, in Ugunja, Siaya County, Kenya. Serves as a part time lecturer, University of Kabianga, department of environment and integrated natural resources management. Mr Buoga also serves both the County Steering Committee (CPSC) and County Technical Advisory Committee (CTAC) – for the World Bank/Government of Kenya funded Kenya Climate Smart Agriculture in Siaya County.

Years within the firm: 15 years, that runs concurrently with 10 years as an individual consultant.

Key qualifications:

- Over 15 consecutive years in natural resources management, ecosystem restoration, on-farm and off-farm applied research and development
- In-depth knowledge and understanding of application of remote sensing data and use of GIS to analyse resource conflict, undertake pasture resilience, vegetation monitoring and resource mapping.
- Over 10 years professional experience in development of climate change mitigation projects – carbon crediting for energy-efficient cookstoves, forest, renewable energy (small hydroelectricity power generation)
- Proven experience in working with county governments structures in influencing policy and capacity strengthening.
- Proven experience in program design, project cycle management, strategic planning, log frame analysis.
- In-depth knowledge in Participatory policy and rural appraisal

Specific experience in the region:

| Country | Date from - Date to |
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| Kenya | April 2003 to present |
| Tanzania | May 16 th to 31 st August 2016 |
| South Africa | May – June 2012 |

Professional experience:

| Date from - Date to | Location | Company& reference person ¹ (name & contact details) | Position | Description |
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| Kenya Climate Smart Agriculture Project (KCSAP) (2018- on-going) | Siaya County | Kenya Climate Smart Agriculture Project (KCSAP) – Siaya County. Ref: Willis Atiang' Email: atiangwillis@gmail.com Tel: +254 722 943269 | Consultant/Service Provider -County Steering Committee (CPSC) and County Technical Advisory Committee (CTAC | Main tasks: <ul style="list-style-type: none"> - Provision of technical backstopping on natural resources management - Training, capacity building of stakeholders on (Technology Innovation Management Practices (TIMPs) - Climate/weather information dissemination and market updates. - Appraisal of sub-granted projects. - Realigning the project to CIDP. |
| Strengthening Democracy through Community based Participatory Planning for Climate Resilient Low Carbon Development in Kenya - (2017 – on-going) | Siaya County | Institute for Law and Environmental Governance (ILEG) Ref: Duncan Okowa Email: d.okowa@ilegkenya.org Tel: +254 20 234 9141 | Team Leader/Consultant - Community Working Group on Climate Change | Main Tasks: <ul style="list-style-type: none"> - Community Organizing and enhancing citizens participation in development of County Integrated Development Plan (CIDP) - Collation of community voices on climate change - Integration of climate change and “greening” of the County Fiscal Strategy Paper |

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| Part-time lecturer (Jan 2016 – Dec 2016) | Kericho, Kenya | University of Kabianga, Main Campus Ref: Dr. Zablon Owiti Email: zowiti@gmail.com Tel: +254721790204 | Part-Time lecturer | Main tasks: Teaching undergraduate students: - Introduction to Geographic Information System for 2nd year students. - Principles and Application of GIS and Remote Sensing for 3rd and 4th Year students. |
| Energy Efficient Cookstoves for Siaya Communities. (2010 – on-going) | Siaya County, Kenya | Tembea Youth Centre for Sustainable Development in partnership with myclimate –Climate Protection Foundation Ref: Job Nyangoka Orina Email: job.orina@myclimate.com dmitigate@gmail.com Tel: +2547225273573 | Program Director | Project that aims at the distribution of energy efficient cook stoves to poor households in Siaya County. The project is financed through mechanisms of carbon credits certified under Gold Standard Foundation, aims to reduce approximately 316,080 tonnes of CO2 equivalent. Specific tasks: - Project development and design; preparation of the Project Idea Note (PIN), - Facilitation of local stakeholder consultation for the purpose of Gold Standard registration - Undertake project baseline performance tests and survey - Project documentation, Project Design Document (PDD) preparation, - Project Monitoring and evaluation |

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| <p>Natural Resources Management Project for Mid-lower Nzoia River Basin</p> <p>(2011-2016)</p> | <p>Nzoia Basin, Siaya County Kenya</p> | <p>Tembea Youth Centre for Sustainable Development</p> <p>Ref: Nicholas Otieno Ngesa</p> <p>Email: nicholasngesa2@gmail.com</p> <p>Tel: +254727649967</p> | <p>Program Director</p> | <p>A community based natural resource management initiative aimed at enhancement of co-management of natural resources, livelihood sustenance and climate change resilience. Specific tasks</p> <ul style="list-style-type: none"> - Applied baseline research on conservation gaps and training needs assessment - Ecosystem monitoring, rehabilitation and conservation, development of community driven Environmental Action Plans (CEAPs) - Capacity building through participatory integrated community development methodology as well as natural resource mapping and vulnerability assessment including promotion of alternative livelihood options |
| <p>Green Water Management and Renewable Energy for Community Livelihood Improvement Project</p> <p>(2012- on-going)</p> | <p>Magoya Hareka Nzoia River Siaya County Kenya</p> | <p>Siaya Region Community Foundation</p> <p>Rer: Dr. Orodhi Odhiambo</p> <p>Email: : orodiodhiambo@gmail.com</p> <p>Tel: +25472565815</p> | <p>Consultant</p> | <p>The project's focus is to harness available water (River Nzoia) using appropriate turbine-generator-off grid for the provision of renewable energy of 200kW to the community, whereas integrating green water and ecological sanitation within Sianda – Nzoia riverine ecosystem to conserve the environment to support agriculture as incentive for environmental conservation, climate change resilience and watershed protection. Specific Tasks</p> <ul style="list-style-type: none"> - Project design development and overseeing implementation - Technical backstopping on natural resources management - Undertake environmental monitoring and management plan - Capacity building of beneficiaries and community organizing - Soil land management and rehabilitation coordination |

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| <p>Aduwa Hill, Lower Nzoia and Lower Yala Riverine Ecosystem Restoration for Improved Livelihoods</p> <p>(2012 – 2016)</p> | <p>Aduwa Hills – Liganwa – Siaya County, Kenya.</p> | <p>Siaya Region Community Foundation</p> <p>Rer: Dr. Orodhi Odhiambo</p> <p>Email: : orodiodhiambo@gmail.com</p> <p>Tel: +25472565815</p> | <p>Consultant</p> | <p>Project aimed at restoring and conserving the Aduwa Hill Forest-and-lower Nzoia, and Yala ecosystem health through reforestation and development of appropriate productive water harvesting and biological waste management technologies as to realise ecosystem services. Community environmental management and climate change adaptation capacity through behavioural change education and strengthening of community institutional and governance structures to enhance equitable access and sharing of ecological benefits under a proposed Payment for Ecosystem Services (PES) framework. Specific tasks:</p> <ul style="list-style-type: none"> - Project design development and overseeing implementation - Technical backstopping on natural resources management - Undertake environmental monitoring and management plan - Capacity building of beneficiaries and community organizing on PES and Climate change resilience - Soil land management and rehabilitation coordination - Participatory community resource mapping. |
| <p>Promoting environmental stewardship and climate change adaptation preparedness in Ugenya District, Kenya</p> <p>(2011 – 2016)</p> | <p>Ugenya Sub-county, Siaya County, Kenya</p> | <p>Tembea Youth Centre for Sustainable Development</p> <p>Ref: Nicholas Otieno Ngesa</p> <p>Email: nicholasngesa2@gmail.com</p> <p>Tel: +254727649967</p> | <p>Program Director</p> | <p>The project aimed at enhancing the capacity of small holder farmers to adapt to climate change challenges. Capacity building and applied research on appropriate approaches to integrating indigenous knowledge in combating vagaries of climate change amongst the small holder farmers in Ugenya District. Specific Tasks:</p> <ul style="list-style-type: none"> - Project design development and overseeing implementation - Community outreach, mobilization and sensitization - On-farm and off-farm field demonstration and applied research. - Stakeholder capacity building on resource mapping, crop monitoring, integrated pest management |

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| Green Innovation Initiative Award (April – June 2016) | Nairobi, Kenya | National Environment Trust Fund (NETFUND) Ref: Michael Okok Email: mikeokok2010@gmail.com Tel+254728351558 | Professional Judge Consultant | Selection and technical support of viable green innovations for award and start-up. |
| Cookstoves Program in Africa (May to August 2016) | Dar es Salaam - Tanzania | Myclimate-Climate Protection Foundation, Zurich, Switzerland. Ref: Thomas Finsterwald Email: thomas.finsterwald@myclimate.org | Consultant | Main tasks: <ul style="list-style-type: none"> - Project feasibility and technical feasibility (of existing or new initiatives) - Due diligence including country risk assessment - Acquisition of suitable partners and existing cook stove initiatives - Elaboration of business plans and financial plans (with focus on self-sufficiency and alternative, sustainable financing models (such as microfinance and table banking. - Managing all activities in Africa in cooperation - Visiting different locations in case of and according to myclimate' instructions - Report all findings in a way that they can be used for final reports by myclimate (in English) - Continuously report to myclimate the status of his activities be available for discussions and meetings |

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| <p>Conflict Study - Towards Improved Capabilities of Local authorities to Manage and solve conflict arising from rangelands and other natural resources</p> <p>(July – August 2016)</p> | <p>Isiolo county, Kenya</p> | <p>Resource Conflict Institute (RECONCILE)</p> <p>Ref: Ken Peter Otieno</p> <p>Email: peterkenotieno009@gmail.com</p> <p>Tel: +254 722902223</p> | <p>Lead Consultant</p> | <p>Main tasks</p> <ul style="list-style-type: none"> - Use GIS/RS to map out historical trend on range conditions as indicators of conflict over resource use in the past 20 years. - Mapping of stakeholders, policies/frameworks and institutional set up for conflicts resolution - Assessment of challenges and opportunities towards improved conflict resolution - Write a policy brief on needed policy interventions and strengthening of conflict management platforms. |
| <p>Market Update Research for Non Timber Forest Products</p> <p>(August – September 2015)</p> | <p>Isiolo County, Kenya</p> | <p>Lay Volunteers International Association (LVIA)</p> <p>Ref: Tommaso Menini</p> <p>Email: lvia.eu.projectcoordinator@gmail.com</p> <p>Tel: +254720169423</p> | <p>Lead Consultant</p> | <p>Main tasks</p> <ul style="list-style-type: none"> - A review and analysis of the project documents (proposal, log frame, action plans, and budget) and the Value Chain and Market Assessment study done previously. - Cross-check the findings of the figures in the study with the data collected in the target areas. - Analyse the KPIs and identify the verifiability of the latter against the findings of the Update Market Research. - Propose, when and if necessary, new KPIs to include in the Project outlining a clear M&E Framework (in strict collaboration with the project staff) - Realize qualitative and quantitative data collection, proposing a clear methodology, concerning the defined KPIs. - Confirm the feasibility of the result's target, and seek alternative Income Generation Activities opportunities in the operational theatre |

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| Baseline survey and research for Climate Change Adaptation – County Government of Kakamega. March – Sept 2015 | Kakamega County, Kenya | Ministry of Environment, Water, Natural Resources and Forestry. | Lead Consultant | Main Tasks: <ul style="list-style-type: none"> - Assess county climate change situation status - Causes of climate change, indicators and drivers - Map out climate change hot spots - Document observed impacts, vulnerability, adaptation and mitigation measures - Establish levels of awareness and public involvement - Develop disaster risks and resilience response framework |
| Kenya Arid Lands Drought Mitigation measures Enhanced (KAME) Project Baseline Survey. April – June 2015 | Isiolo County, Kenya | Lay Volunteers International Association (LVIA) Ref: Tommaso Menini Email: lvia.eu.projectcoordinator@gmail.com Tel: +254720169423 | Lead Consultant | Main tasks: <ul style="list-style-type: none"> - Collation of useful information and baseline data for sharing and dissemination - Confirm the KPIs present in the project's Log frame, cross-checking against verifiable data collected - Information that will assist in developing and designing future programme Monitoring and Evaluation plan - Flag out community approaches to managing risks and building resilience as well as identifying interventions and actors |
| Green Growth Best Practice Initiative publication project (June 2013 – April 2014) | On-line – Internet based. | Global Green Growth Institute Ref: Nikola Franke Tel+44 (0)7570 010457 E-mail nikola.franke@gggi.org Internet www.ggbp.org | Expert Reviewer, Planning and Coordination Chapter. | Main tasks: <ul style="list-style-type: none"> - Evaluation of the quality and accuracy of the analysis and presentation of the findings in the chapter - Provision of in-depth review comments in the format provided |
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Other relevant information (e.g., Publications)

Academic

Master of Science in Geoinformation Science and Earth Observation for Natural Resources Management thesis: **Quantifying Drivers of Spatial-Temporal Trends in Rangeland Conditions in Narok, Kenya (2015).**

(<https://www.itc.nl/library/research/academic-output/msc-theses/>)

Workshop papers/Presentations

Civil Society – Government Partnership in Climate Change Response in the Lake Victoria Basin Counties: *Lessons from other regions and jurisdictions: initiatives by state and non-state actors.* A workshop paper presented at the Regional Strategic Workshop on Climate Change – Vic Hotel, Kisumu City, 23rd – 24th August 2016.

Challenges towards a food and nutrition secure future: *Food Systems Approach to Kenyan situation:* - A conference presentation/workshop at the Academia Engelberg, Switzerland. October 2014.

Eco-Enterprises: *The Opportunity for Greening Economy in Key Sectors:* - workshop paper presented during the National Youth Conference on Climate Change V, at Mully Children's Family, Ndalani, Yatta, 14th Nov. 2012.

Household Energy Efficient Cook stove Access as platform for PHE Integration: Workshop paper presented during the PHE integration workshop held at the School of Government, 24th-28th Nov 2012.

Linking Nature conservation, Environmental Markets in the context of Carbon Offsetting through Improved Cook-stoves for Households in Siaya County, workshop presentation during the African Environmental Markets and Nature Conservation Workshop, 26th-28th July 2012, organized under the auspices of East African Kinship Conservation Fellows Network, held in ARC, Egerton University.