Derick**Ongeri**

Contact

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Languages
Swahili(Fluent)
English(Fluent)

Skills
Python,JavaScript
HTML5,CSS
PostgreSQL,bash
Linux,LaTeX
Version control(Git)

Hobbies
Reading
Chess
Football
Hiking

Career Objective

Mr. Ongeri is a self-motivated and enthusiastic individual intrigued and keen towards the use of earth observation and geospatial technologies, process and workflow automation, as well as software development to solve challenges of sustainable development. As technical expert, Mr. Derick Ongeri has taken part in the design, development and implementation of:

- North Africa Land Degradation Monitoring and Assessment Service (GMES and Africa, OSS North Africa Consortium)

- Wind Erosion Modelling Service for comprehensive Land Degradation Monitoring(GMES Africa, RCMRD) for ten (10) East African countries.

- Developed EO-based Forest fire rapid assessment and monitoring tool. Link to publication:https://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XLIII-B5-2020/131/2020/

- Accuracy Assessment of the ESA CCI 20m Land Cover Maps: Kenya, Gabon, Ivory Coast and South Africa. Listed as co-author in working paper:http://pure.iiasa.ac.at/id/eprint/16107/1/WP-19-009.pdf

- Part of the development team for the Agriculture Use case for Earth Observation data from the Africa Regional Datacube (ARDC) on Galana Kulalu irrigation project.

- Mapping of settlements and geo-statistical modelling for Epidemiological sampling, field navigation and data collection for household survey on pastoral communities in Samburu county.

Experience

H 2019 June - Now **LocateIT Kenya Ltd** Nairobi, Kenya
Remote Sensing/GIS analyst

- Year: 2020-present: North Africa Land Degradation Monitoring and Assessment Service Development / Client: Observertoire du Sahara et du Sahel (OSS)/ Location: North Africa states, Tunisia.
- Extracting settlement patterns from satellite imagery for epidemiological sampling and mapping of snakebites in Samburu county. Wrote python script for Multi-stage clustered sampling of households.
- Writing python scripts for crop phenology study use-cases for Africa Regional Data Cube(Kenya) cloud platform.

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2019 May - Jul **Dalberg Research[Location Analytics -LOCAN]** Nairobi, Kenya
Database Administration- Intern

- Contracted as an intern to transfer database files form cloud servers to onsite server, curate the data, keep a documentation of every database file and build a data catalogue.
- Developed the data sourcing, curating and archiving Standard Operating Procedure(SOP).

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2018 Aug - Nov **Regional Centre for Mapping of Resources for Development-RCMRD [GIS LAB]** Nairobi, Kenya
Geospatial Information Systems Intern

- As a GIS intern I was involved in several integrative mapping and modelling projects (e.g. land degradation, land cover change, forest change). Undertook a project to model 2017 Kenya Land degradation from climatic(rainfall, vegetation cover), physical(slope, soil) and social-economic(human population, livestock population, land use) factors.
- Accuracy assessment of the ESA CCI 20M Land Cover Map: Kenya, Gabon, Ivory Cost and South Africa. Listed as a co-author on the working paper http://pure.iiasa.ac.at/id/eprint/16107/
- Provided support as training aid during several capacity building tutorial and practical sessions for several organization organizations.

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2017 Jul- Sep **Kenya Wildlife Service- KWS[Lands Department]** Nairobi, Kenya
Land Survey- Attache

- Assisted the KWS sr. Land surveyor to establish controls and carry out fixed boundary survey for Tsavo-West National park boundary in Mutito-Andei town and GPS surveying for Kisumu Impla National park.
- Assisted in preparing survey reports and topographical sheets.

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2016 May- Jul **Jomo Kenyatta University of Agriculture and Technology- JKUAT[Internal Attachment]** Nairobi, Kenya
Land Survey

- Carried out topographical survey and precise levelling surveys for JKUAT.
- Survey computations and preparation of survey reports.
- Updating JKUAT topographical map.

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Education

2014 - 2019	**BSc. Geomatic Engineering and Geospatial Information Systems** Nairobi, Kenya
	Jomo Kenyatta University of Agriculture and Technology
2010 - 2013	**Kenya Certificate of Secondary Education** Bungoma, Kenya
	Friends' School Kamusinga

Professional Training

2019 **Two-day training on Africa Regional Data Cube(ARDC) Training-Kenya Space Agency/Global Partnership for Sustainable Development Data** Strathmore University, Nairobi, Kenya
Cloud Computing and Digital Image Processing using Python

2018 **One month online training course on Open Data Management in Agriculture, Nutrition and Land - GODAN Action** Nairobi, Kenya
Data Management

2018 **Africa Reference Frame (AFREF) and Global Navigation Satellite Systems(GNSS) Data Processing- RCMRD** Nairobi, Kenya
GNSS data processing

Referees

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