Déyril Ibraimo

Nationality: Mozambican | Languages: Portuguese (Native) and English (B2-IELTS Certified)
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EXPERIENCE

Operations Coordinator   **May- Ongoing**
Mozambique Flying Labs (https://flyinglabs.org/mozambique)

- Coordinating STEM (Science, Technology, Engineering, and Mathematics) promotion and skills transfer activities across Mozambican communities.
- Development of strategies for adopting Unmanned Aerial Vehicle (UAV) technology, data science, and artificial intelligence for sustainable development in Southern Africa.

Remote Sensing Analyst   **2024- Ongoing**
Data4MOZ S.A (www.data4moz.com)

- Assistance on Monitoring, Evaluation & Learning (MEL) for *"Community-Led Natural Resources Management through Participatory Spatial Data"* Project in Gorongosa National Park Buffer Zone reporting to USAID.
- Coordinating *Space4All* research program for Mapping Climate Vulnerabilities of Deprived Areas in Africa by Combining Citizen Science and Earth Observation Technology in Kisumu city (Kenya), Beira and Chimoio cities (Mozambique) in partnership with University of Twente.
- Coordinating *LUISA* Project consortium and Manage Mozambique study case activities for Assessment of the sustainability of land use in agricultural practices in the Beira corridor and identification of areas of pressure on natural ecosystems due to intensification of agricultural activities reporting to European Space Agency (ESA).
- Co-Development of a remote sensing-driven HANPP (Human Appropriation of Net Primary Production) platform for monitoring framework of general land cover types (agricultural, forest, grassland, urban) and estimate Biomass losses in African countries: Mozambique, Senegal, Uganda and Ethiopia.

Projects Consultant   **2023-2024**
Data4MOZ S.A

- Participatory Coastal Resources Mapping in the Greater Bazaruto Key Biodiversity Area (KBA).
- Fisheries value chain mapping and socioeconomic assessment in Bazaruto Archipelago National Park in partnership (BANP)
- Assessment of community governance systems for community-based natural resource management committees at BANP.

Agricultural Entomology Lecturer   **Jun- dec. 2023**
Dom Bosco high institute

- Conducting training in integrated agricultural pest management.
- Guiding practical sessions for agricultural pests' identification, monitoring and control.

Field Technician   **Aug-dec 2022**
CE-AFSN- UEM (https://ceafsn.uem.mz/)

- Remote sensing- based data collection, processing and insights development for decision making in sustainable agriculture
- Testing EO systems Methods for Food security, agribusiness and efficiency resource usage in agriculture.

Assistant Lecturer   **2021-2022**
Eduardo Mondlane University (UEM)

- Conducting practical training on Geospatial data acquisition (Copernicus and USGS database) and vector data processing.
- Remote Sensing applied to precision agriculture - Mapping and monitoring agricultural areas based on Sentinel-2 images using Sentinel Application Planform (SNAP).

EDUCATION

BSc. Agricultural Engineering – Crop Production   **2019-2023**
Rural Development School of Eduardo Mondlane University (UEM), Vilankulo- Mozambique

SHORT COURSES

UAV in Precision Agriculture   **2024**
Faculty of Geoinformation Science and Earth Observation of the University of Twente, Netherland
Advanced Statistic and Experimental Design   **2024**
Centre of Excellence in agri-alimentar systems of Eduardo Mondlane University, Mozambique
Quali & Quantitative Research and Experimental Design   **2023**
Amazonas State University, Brazil

CORE SKILLS & COMPETENCIES

Project Management- Monitoring, Evaluation and Learning (MEL)
Research Design - Interdisciplinary Research and Coordination, Qualitative & Quantitative Research and Data Analysis
Community Engagement - Participatory approaches for Rural Development and Sustainable livelihoods

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DIGITAL SKILLS

Geographic Information Systems (GIS): QGIS, ArcGIS Pro, Google Earth Pro, JOSM, GRASS GIS and Google MyMaps.
Remote Sensing – Google Earth Engine, Sentinel Application Platform (SNAP) and ENVI
Data collection and Visualization – KoboToolbox/ODK, ArcGIS Survey 123, Google Form, Power BI, ArcGIS Dashboard and LookerStudio.
Data Analysis – Statistical Package for Social Science (SPSS), R/Rstudio, STATA and SISVAR.

PUBLICATIONS

Oliveira, L; Campomanes, E; Dijkstra, A; Belgiu, M; Adiku, P ; Wanjiru, N; Lizian Onyango, L; **Ibraimo, D**; Flor, R; Van Den Bout, B; Zevenbergen,J & Kuffer, M (2025). **Exposed yet unmapped? Evidence of differential flood exposure in deprived urban areas using citizen science**, PREPRINT (Version 1) available at Research Square https://doi.org/10.21203/rs.3.rs-6956238/v1

Ibraimo, D, M & Mananze, S.E (2023). **Validação de índice de área foliar e teor de água na copa estimados através de imagens sentinel-2 na cultura do milho: estudo de caso do distrito de Vikankulos**. http://196.3.97.28/handle/123456789/3343