Adebowale Daniel Adebayo

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EDUCATION

Master of Science, Copernicus Master in Digital Earth (Erasmus Mundus Joint Master Degree)
*- Universite Bretagne Sud, France: **GeoData Science***   Sept 2021 — July 2022
*- Paris-Lodron University of Salzburg, Austria: **Earth Observation and Geoinformatics***   Sept 2020 — Sept 2021
Bachelor of Technology, Remote Sensing and GIS   Dec 2019
Federal University of Technology Akure, Nigeria

PROFESSIONAL EXPERIENCE

EO Data Scientist   **Aug 2022 — Present**
Nasa Harvest   *(Remotely) United State of America*
- Contributing to the mapping of cropland and crop types in the 6 RFBS (Regional Food Balance Sheet) countries in East Africa.
- Exploring approaches to combining workflows with field based experiments
- contributing to development of exiting mapping pipeline and open source projects.

Geospatial Developer / EARWAC   **Feb 2020 — Jan 2022**
The Sixth Avis   *Akure, Nigeria*
- Co-led the development of Enhancing Adaptation and Resilience Along West Africa's Coasts (EARWAC); a demonstrator on coastal multi-hazards in West Africa launched at UNFCCC COP26 Glasgow (funding from European Space Agency and Future Earth and support from the Ocean Knowledge-Action Network and Future Earth Coasts).

Remote Sensing and GIS Intern / Ecosystem Restoration Monitoring   **Jul 2021 — Oct 2021**
Food and Agricultural Organisation   *Rome, Italy*
- Monitoring and comparison of Land Degradation Neutrality Sustainable Development Goal (SDG) Target 15.3), and Landcover transition within selected restoration sites in Nigeria.
- Contribute to the development Framework for Ecosystem Restoration Monitoring (FERM) database and platform, towards the selection of priority indicators for Terrestrial ecosystems, Aquatic and Transitional ecosystems, and Socioeconomic progress and impacts of restoration
- Research and collection of best data available to represent indicators and develop tools with a particular focus on geospatial data

Student Assitant   **Dec 2020 — Feb 2021**
CDL GEOHUM   *Salzburg, Austria*
- Extraction of spectral features from Multi-spectral-temporal satellite images supporting Geo-Humanitarian activities in Africa.
- Image processing and image analysis,
- Geo-database management and spatial analysis.

GIS Consultant   **Nov 2019 — Feb 2020**
Propcom Mai-karfi   *Abuja, Nigeria*
- Co-performed suitability, vegetation modelling and analysis for irrigation farming in North-eastern Nigeria.
- Establish, maintain, and update geographic files, databases, records, and other documents relevant to mapping projects.
- Developed automated script for multi-temporal satellite image acquisition and preprocessing.

AWARDS

Erasmus Mundus Scholarship 2020
ESA CCI–Future Earth Joint Programme Research Demonstrator 2020
Federal Government of Nigeria Scholarship (2017 - 2019)

CONFERENCE PRESENTATIONS

Living Planet Symposium, Bonn Germany **2022**
Conference of Parties (COP 26), Glasgow, Scotland, United Kingdom **2021**
AfricaGIS Conference, Kigali, Rwanda **2019**

PUBLICATION

Stefan Lang, Lorenz Wendt, Dirk Tiede, Yunya Gao, Vanessa Streifender, Hira Zafar, Adebowale Adebayo, Gina Schwendemann, Peter Jeremias. (2021). Multi-Feature Sample Database for Enhancing Deep Learning Tasks in Operational Humanitarian Applications. DOI: 10.1553/giscience2021_01_s209.

Olabode, O. F., Adebayo, A. D., Ekundayo, O. Y. (2021). Drought analysis and groundwater prioritization of a typical data-scarce drought-prone hydrological basin using geospatial techniques. Groundwater for Sustainable Development, 13. https://doi.org/10.1016/j.gsd.2021.100581