

Ndichie Chinemelu Cosmas

Lecturer and Geographic Information System (GIS) Expert
Department of Geography, University of Nigeria, Nsukka
ndichiecosmas@gmail.com, chinemelu.ndichie@unn.edu.ng
(+234) (0) 813-390-4033

Profile

Detail-Oriented Cartographer, GIS, Mapping and Field Survey Professional applying solid knowledge of Theories and Hands-on Spatial Data Analytics Techniques to Mapping and Geo-Spatial based decision making.

Self-motivated, capable of taking instant decisions and applying them to innovative tasks.

Bio-Data

Gender	-	Male
Date of Birth	-	December 26, 1991
Permanent Address	-	No. 14 Ndichie Street, Onitsha, Anambra State
Religion	-	Christianity
Town	-	Adazi - Ogidi, Ogidi
L.G.A	-	Idemili North
State of Origin	-	Anambra State
Nationality	-	Nigeria

Educational Qualification

Dec 2023 (In-View)	University of Nigeria, Nsukka Doctor of Philosophy in Geographic Information System (Department of Geo-Informatics and Surveying)
Aug, 2023	University of Nigeria, Nsukka Master of Science in Cartography (Department of Geography)
Jun, 2013	University of Nigeria, Nsukka Bachelor of Science in Geography (Department of Geography)
Jun, 2009	St. Anthony of Padua High School, Nkpor Senior School Certificate Examination (SSCE)
Jul, 2004	Redemption Model Primary School, Obosi First School Leaving Certificate (FSLC)

Professional Experience

Dec 2023 – Present	Department of Geography, University of Nigeria, Nsukka Assistant Lecturer
Dec 2015 – Dec 2023	Department of Geography, University of Nigeria, Nsukka
Dec 2021 - Dec 2023	Senior Technologist - GIS
Dec 2018 - Dec 2021	Technologist I - GIS
Dec 2015 - Dec 2018	Technologist II - GIS
Sept 2014 - Aug 2015	Community Secondary School, Ubima, River State (NYSC) Secondary School Geography Teacher

Selected Achievement	<ul style="list-style-type: none"> • GIS Lab Standardization – Co-developed an ESRI standard GIS laboratory for the geography department UNN, also used by Institute of climate change • GIS Lab Standardization – Co-Developed an ESRI standard GIS laboratory for Alex Ekwueme Federal University Ndufu-Alike. • Developed Student GIS Training Guide – Designed a technical inclined scheme of work for students of Geography Department UNN. • Train students on GIS Practical Courses – Train students on GIS practical courses at Department of Geography, University of Nigeria, Nsukka in areas of GIS application, Geo-spatial & Geo-statistical Analysis, Environmental Modeling, Web-GIS and Spatial Data Collection/Analytics • GIS and Map Works – Develop Maps and data sets used by students for annual fieldwork to further enhance student’s training and learning.
-----------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Other Certifications	
Oct, 2016	Certificate in Research Methodology and Application of ICT in Research
Feb, 2021	Certificate in GIS Mapping and Spatial Analysis
Feb, 2021	Certificate in Spatial Analysis and Satellite Imagery
Feb, 2021	Certificate in Introduction to GIS Mapping
Feb, 2021	Certificate in GIS Data Acquisition and Map Design

Skills	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ESRI ArcGIS</td> <td style="width: 10%;">- Proficient</td> <td style="width: 20%;">Microsoft Word</td> <td style="width: 10%;">- Expert</td> </tr> <tr> <td>Quantum GIS</td> <td>- Proficient</td> <td>Microsoft PowerPoint</td> <td>- Expert</td> </tr> <tr> <td>GIS Applications</td> <td>- Proficient</td> <td>Research and Design</td> <td>- Proficient</td> </tr> <tr> <td>Use of GPS</td> <td>- Proficient</td> <td>Fieldwork Techniques</td> <td>- Proficient</td> </tr> <tr> <td>Google Earth Engine</td> <td>- Beginner</td> <td>SPSS</td> <td>- Proficient</td> </tr> <tr> <td>Web Mapping</td> <td>- Competent</td> <td>Python Programming</td> <td>- Competent</td> </tr> <tr> <td>Adobe Package</td> <td>- Proficient</td> <td>Communication</td> <td>- Very Good</td> </tr> <tr> <td>Microsoft Excel</td> <td>- Expert</td> <td>Land Surveying</td> <td>- Proficient</td> </tr> </table>	ESRI ArcGIS	- Proficient	Microsoft Word	- Expert	Quantum GIS	- Proficient	Microsoft PowerPoint	- Expert	GIS Applications	- Proficient	Research and Design	- Proficient	Use of GPS	- Proficient	Fieldwork Techniques	- Proficient	Google Earth Engine	- Beginner	SPSS	- Proficient	Web Mapping	- Competent	Python Programming	- Competent	Adobe Package	- Proficient	Communication	- Very Good	Microsoft Excel	- Expert	Land Surveying	- Proficient
ESRI ArcGIS	- Proficient	Microsoft Word	- Expert																														
Quantum GIS	- Proficient	Microsoft PowerPoint	- Expert																														
GIS Applications	- Proficient	Research and Design	- Proficient																														
Use of GPS	- Proficient	Fieldwork Techniques	- Proficient																														
Google Earth Engine	- Beginner	SPSS	- Proficient																														
Web Mapping	- Competent	Python Programming	- Competent																														
Adobe Package	- Proficient	Communication	- Very Good																														
Microsoft Excel	- Expert	Land Surveying	- Proficient																														

Articles and Publications	
Journal Articles	<ol style="list-style-type: none"> 1. ONYEKWELU, C. A., MOZIE, A. T., AYADIUNO, R. U., OBIENUSI, E. A., IKEJIOFOR, G. I., NDICHIE, C. C., IGBOELI, E. E, ADEWOYIN, Y. (2018) “Mapping Incidents of Infant Mortality Arising from Gastroenteritis: A Case Study of South-Eastern Nigeria” African Population Studies Vol. 32, No 2. (Supp. 2), Sept 2018. 2. MOZIE, A. T., OKAFOR, U. P., OGBONNAYA, E. J., NDICHIE, C. C., EZEZIM, H. C., NNOLI, C., CHIATULA, N., (2018) “The Characterization of Flood-Causing Variables As Perceived By City Dwellers In Cities In South Eastern Nigeria” Nigerian Journal of Geography and the Environment (NJGE) No. 2, 2018.

3. NDULUE D., AYADIUNO R.U., MOZIE, A.T., NDICHIE, C.C. "A Comparative Analysis of Soil Erosion Models for Tropical Humid of Southeastern Nigeria and Comparable Environments". *Psychology and Education* (2021) 58(1): 5821-5835
4. MAMA, C.N., NWONU, D.C., ODO, E.C., NDICHIE, C.C., ONYIA M.E. "Effect of changes in climate and land use on rice productivity in Adani, Nigeria". *Arab Journal of Geosciences* 14, 1506 (2021).
5. AYADIUNO R.U., NDULUE D., NDICHIE, C.C., MOZIE, A.T. "The Underlying Factors of Soil Susceptibility to Erosion in Central Parts of Southeastern Nigeria". *Alinteri Journal of Agr. Sci.* (2021) 36(2): 196-207
6. AYADIUNO R.U., NDULUE D., NDICHIE, C.C., MOZIE, A.T., PHIL-EZE, P.O., ONYEKWELU, A.O. "Geospatial Analysis of Soil Erosion Susceptibility and Causative Factors in Anambra State, South East, Nigeria". *Scientific Review* (2021) 58(1): 5821-5835
7. MAMA, C.N., ODUDU, M.O., ODOH, O., NDICHIE, C.C., CHIMANKPAM, K. "Impact of heavy metals from mechanic villages on Soil and Groundwater in Nsukka Urban, Enugu State". *NIEEE Journal of Research and Innovative Technology Vol. 3, No. 2, December 2021 - ISSN: 2636-6967*
8. AYADIUNO R.U., NDULUE D., NDICHIE, C.C., MOZIE, A.T. "Conflict of Landuse Types over Geomorphological Space of Anambra State, Southeastern Nigeria: The Analyses and Predictions". *Asian Journal of Environment and Ecology* (2022) 17 (4): 25-48; *AJEE.85508 – ISSN: 2456-690X*
9. NNANWUBA, U.E.; QIN, S.; ADEYEYE, O.A.; NDICHIE, C.C.; SHUANGSHUANG, Q.; JINGYU, Y.; JINGBO, S.; EGWUONWU, E.M. "Prediction of Spatial Likelihood of Shallow Landslide Using GIS-Based Machine Learning in Awgu, Southeast/Nigeria". *Sustainability* (2022), 14, 12000. <https://doi.org/10.3390/su141912000>

Conference Papers

1. MOZIE, A. T., AYADIUNO, R. U., NDICHIE, C. C. (2014) An analysis of the physical factors of responsible for floods in Nigeria with respect to the 2012 floods in Nigeria. Conference paper National Conference on Disaster Risk Management in Nigeria, Dept of Geography and Environmental Management. Tai Solarin University of Education Ijebu, Ode (3-5 March 2014).
2. NDICHIE, C. C., MOZIE, A.T., OKAFOR, U. P., IGBOELI, E. E., OGBUE, P., CHIATULA, N. (2018) Engineering Geomorphological Basis of Urban Development in Onitsha and Environs, Anambra State, Nigeria. 2nd International Conference, Department of Geography. University of Nigeria, Nsukka (17-20 September 2018).
3. NWOKOLO, C. C., NDICHIE, C. C., UKEKWE C., EZEANWU R., ONWO, H., EZE, C., OKOLI, O., (2018) Climate Change Adaptation, Food Security and Rural Development in Ayamelum Local Government Area of Anambra. 2nd International Conference, Department of Geography. University of Nigeria, Nsukka (17-20 September 2018).
4. NWOKOLO, C.C, NDICHIE, C.C, UKEKWE, C, AYADIUNO, R.U, ONWO, H, (2019) Geospatial analysis of climate change adaptation and food security in Nigeria: A study of selected communities in Anambra State. International Conference of the Faculty of the Social Sciences, University of Nigeria, Nsukka on "Globalization and Socio-economic Development in Africa" (03 June 2019).

5. AYADIUNO, R.U., NDULUE, D., MOZIE, A.T., NDICHIE, C. C. "Conflict of landuse types over Geomorphological space of Anambra State, Southeastern Nigeria: The analysis and predictions". *5th African Regional Conference on Climate Change, Technology and Environmental Sciences: Kenyatta University, Nairobi, Kenya* (June 2021)

References

Prof. Chidi Thaddeus Nzeadibe

Department of Geography
University of Nigeria, Nsukka
chidi.nzeadibe@unn.edu.ng
+2348067104085

Prof. Nnaemeka Chukwuone

Director, Resources and Environmental Policy Research Centre
University of Nigeria, Nsukka
nnaemeka,chukwuone@unn.edu.ng
+234851242411

Dr. Surv. Romanus Udegbonam Ayadiuno

Associate Professor, Department of Geography
University of Nigeria, Nsukka
romanus.ayadiuno@unn.edu.ng
+2348067104085
