

**E-governance and Green Public Management for Sustainable Development in Selected  
Agencies, Southwest Nigeria, 2011 to 2021**

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**Being a PhD Thesis Submitted to the Department of Politics and International Relations,  
Faculty of Management and Social Sciences, Lead City University, Ibadan,  
In Partial Fulfillment of the Requirement for the Award of Doctor of Philosophy Degree  
(PhD) in Public Administration**

**2023**

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### Certification

This is to certify that Augusta Odiche DIALA with Matriculation number LCU/PG/001486 carried out this research work titled “E-governance and Green Public Management for Sustainable Development in selected Agencies, Southwest, Nigeria” in the Department of Politics and International Relations, Faculty of Management and Social Sciences, Lead City University, Ibadan, Oyo State, Nigeria under my supervision and that this has not been previously submitted.

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## **Dedication**

This research work is dedicated to God Almighty.

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## **Acknowledgement**

My gratitude goes to the Lead City University, Ibadan for given me the opportunity to undergo this study.

I wish to express my appreciation to all staff of Lead City University, Ibadan Library. Thank for your support, kindness and guidance.

My sincere appreciation goes to the Department of Politics and International Relations, Faculty of Management and Social Sciences, Lead City University, Ibadan for the opportunity to attain this height.

I whole heartedly express my sincere gratitude to my supervisor, Associate Professor, Dr. Akeem Amodu who has painstakingly guided me through every step of this work. Your contributions, words of encouragement, suggestions, good counsel, tolerance and precious time spared for the success of this study, thank you.

My sincere appreciation goes to Head of Department of Politics and International Relations Associate Professor, Prof. Akeem Amodu, Dr. M. Albert and Dr. B. Akande, the coordinators of Postgraduate courses in the Department of Politics and International Relations, I thank both of you for guidance and advice that helped me through the course of this study. I acknowledge other senior members of the Department of Politics and International Relations, Professor A. Ogunsawo, Dr. R. Badru, Dr. B. Oseni, Dr. A. Alade, Dr. D. Dada, Dr. Emma Jimo, Dr. Sarumi, Mrs. T. Oluyemi and Mr. E. Akuche as well as non-academic staff of the department of politics and International Relations. Your contributions came in different degrees and dimensions. I am indeed grateful.

My sincere and heartfelt gratitude goes to Dr. Friday Igbadumhe, faculty member of the Department of Management and Accounting who have been very kind enough to extend his

help and research expertise at various phases of this research. Sir your scholarly contributions and unflinching supports made this work better. Thanks so much for your support.

I am very much indebted to my husband Mr. Modesty Diala. You supported me in every possible way to see the completion of this work. Thank you so much for always creating an atmosphere of joy, God blesses you more. My deepest gratitude goes to my my children Dr. Chiamaka Diala, Miss Ginikachi Diala, Dr. Amarachukwu Diala, Barr. Nchedo Diala, Master Onyedikachi Diala and Master Chukwuemeka Diala thank you all for the push and sacrifice. This feat was possible only because of the unconditional support you all provided.

I express my unreserved appreciation to everyone who has contributed to making this research work. God bless you all.

Above all, I am most grateful to Almighty God for granting me the wisdom, health and strength to undertake this research task and enabling me to its completion. Thank you, Lord.

Even though the above-mentioned institutions and persons have assisted in the process of this research work, I alone stand responsible for the errors, if any found in work.

## Abstract

Nigeria, like many other developing countries, is beset with environmental problems, these problems emanate mainly from human activities created in the quest to achieve a higher level of development. The implication is that sufficient precautions have not been taken to balance development objectives against the need to maintain desirable environmental quality for sustainable development by buying into the idea of responsive and simplified bureaucratic processes in dealing with citizens and businesses, hence this study investigated E-governance and Green Public Management for Sustainable Development in selected Agencies, Southwest, Nigeria. This study made use of primary data and adopted descriptive research design. The population was 340. The study used multistage sampling technique. Structured questionnaire and interviews (KII) were utilized for data collection of the study. Data generated were analyzed using Statistical Package for Social Sciences (SPSS) version 24 (for the descriptive statistics) and SmartPLS version 3.3.9 (for the inferential statistics). A response rate of 97.4% was achieved for the selected employees. Findings revealed that E-governance implementation have significant and substantial effect on sustainable development on sustainable development with sufficient predictive quality ( $Adj R^2 = 0.475$ ,  $p = 0.000$ ,  $Q^2 = 0.195$ ). Green Public Management has significant and substantial effect on sustainable development on sustainable development with predictive quality ( $Adj R^2 = 0.461$ ,  $p = 0.000$ ,  $Q^2 = 0.207$ ). E-governance and green public management has significant and substantial joint effect on sustainable development with sufficient predictive quality ( $Adj R^2 = 0.542$ ,  $p = 0.000$ ,  $Q^2 = 0.244$ ) in the selected agencies, Southwest, Nigeria. This study concluded that e-governance and green public management has effect on sustainable development in the selected agencies, Southwest, Nigeria and recommended that government agencies should build institutional linkages across multiple governmental agencies that promote interconnectedness and strengthens the implementation of e-governance in public agencies among various socioeconomic and environmental activities across the country.

**Keywords:** E-governance, Green Public Management, Sustainable Development, Selected Agencies

**Word Count:** 293

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## List of Acronyms

<b>Abbreviation</b>	<b>Meaning</b>
B.Sc	Bachelor of Sciences
BTU	British Thermal Unit
CFA	Confirmatory Factor Analysis
CGWIC	China Great Wall Industry Corporation
CLF	Compact Fluorescent Lamp
Covid-19	Coronavirus Disease of 2019
CSR	Corporate Social Responsibility
CTEL	Centre for International Environmental Law
DFID	Department of International Development
DNCR	Department of National Civic Registration
DV	Dependent Variable
EGDI	E-government Development Index
EGOV	Electronic Governance
EGOV4SD	Electronic Governance for Suitable Development
EMS	Environmental Management Systems
EPA	Environmental Protection Agency
EPI	E-participation Index
ESD	Education for Sustainable Development
EXIM	Export and Import Bank of India
G2B	Government to Business
G2C	Government to Citizens
G2E	Government-to-Employee

G2G	Government to Government
GAP	Global Action Plan
GaxBacBon	Galaxy Backbone
GCNet	Ghana Community Network
GDP	Gross Domestic Product
GHG	Green House Gases
GIFMIS	Ghana Integrated Financial Management Information System
GM	Green Management
GMPC	General Multi-Purpose Cards
DNCR	Department of National Civic Registration
GSGDA	Ghana Shared Growth and Development Agenda
HCI	Human Capital Index
HDI	Human Development Index
HND	Higher National Diploma
ICT	Information Technology Communication
ID	Independent Variable
IDA	International Development Association
IPCC	Intergovernmental Panel on Climate Change
IT	Information Technology
ITU	International Telecommunications Union
IUCN	International Union for Conservation of Nature
KII	Key Informant Interviews
M.Sc	Masters of Sciences

MDAs	Ministries Departments and Agencies
MDGs	Millennium Development Goals
MIT	Massachusetts Institute of Technology
MMDAs	Metropolitan Municipal and District Assemble
MSD	Managed Sustainable Development
NASRDA	National Space Research and Development Agency
NCA	Nigerian Communications Act
NCC	Nigerian Communications Commission
NCE	Nigeria Certificate Education
NEPAD	New Partnership for Africa's Development
NESREA	National Environmental Standards and Regulation Enforcement Agency
NGOs	Non-governmental Organizations
NigComSat	Nigerian Communications Satellite Limited
NIMC	National Identity Management Commission
NIN	National Identification Number
NIPOST	Nigerian Postal Service
NITA	National Information Technology Agency
NITDA	National Information Technology Development Agency
NITP	National Information Technology Policy
NPM	New Public Management
OND	Ordinary National Diploma
OSI	Online Service Index
PhD	Doctor of Philosophy

PLS-SEM	PLS-structural Equation Modeling
PPP	Public Private Partnership
R&D	Research and Development
SAP	Structural Adjustment Program
Sat3	South Atlantic 3
SD	Sustainable Development
SDGs	Sustainable Development Goals
SERVICOM	Service Compact
SMART	Simple, Moral, Accountable, Responsive, and Transparent
SPSS	Statistical Package for Social Sciences
TBL	Triple Bottom Line
TII	Telecommunications Infrastructure Index
UN	United Nations
UNCED	United Nations Conference on Environment and Development
UNDA	United Nation's Development Agenda
UNDESA	United Nations Department of Economic and Social Affairs
UNDP	United Nation's Development Programme
UNEP	United Nations Environmental Program
UNESCO	United Nations Educational, Scientific and Cultural Organizations
UNWCN	United Nations World Charter for Nature
USPF	Universal Service Provision Fund
WACS	West Africa Cable System
WCED	World Commission on Environment and Development

WSIS                      World Summit on the Information Society  
WSSD                      World Summit on Sustainable Development

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