

DR. HENRY OKODUA

Economist | Senior Scientist | CGE & Microsimulation Modeller | Agrifood, Trade, Climate and Development Policy Specialist

Email: okodua@gmail.com | Phone: +234 803 865 6218 | Nigerian | Open to Africa-wide and international roles

EMPLOYER VALUE PROPOSITION

Senior Scientist and applied policy modeler at AKADEMIYA2063, and Senior economist with over 20 years of university teaching, research, postgraduate supervision, policy analysis and capacity-strengthening experience across Africa. Combines advanced quantitative methods - including CGE modelling, microsimulation, econometrics, macroeconomic simulation, gravity modelling and policy scenario analysis - with strong policy translation skills for governments, development partners, research institutions and regional bodies. Brings a proven record in agrifood systems transformation, trade policy, climate adaptation and mitigation, energy transition, public finance, food security and inclusive growth, supported by substantial publication, consultancy, project implementation and stakeholder engagement experience.

CORE STRENGTHS

CGE modelling and GAMS coding	Microsimulation and distributional analysis	Econometric and statistical modelling
Agrifood systems and CAADP policy analysis	Climate adaptation, mitigation and energy transition	Trade, AfCFTA and regional integration
Macroeconomic policy and fiscal analysis	Research proposal and grant development	Policy briefs, reports and knowledge products
Stakeholder dialogue and validation workshops	Postgraduate supervision and mentoring	Training design and capacity strengthening

SELECTED CAREER HIGHLIGHTS

- Currently serves as Senior Scientist at AKADEMIYA2063's, Policy Intelligence department, generating rigorous evidence for policy dialogue, capacity strengthening and decision-making in agricultural and food markets, international trade, investment and agrifood systems transformation.
- Served as Senior Lecturer in Economics at Covenant University, with responsibility for undergraduate and postgraduate teaching, applied research, policy modelling, academic administration and institutional reporting support.
- Experienced CGE modeller with assignments spanning agricultural policy, AfCFTA and trade reforms, climate adaptation, carbon pricing, energy transition, fiscal policy and long-term development planning.

- Supervised nine PhD theses, with additional PhD supervision ongoing, and supervised several M.Sc. dissertations; also served as external assessor for postgraduate Economics theses at the University of Johannesburg.
- Published widely in development economics, energy economics, trade, public finance, regional integration, agriculture and macroeconomic policy, including journal articles, working papers, expert opinions and book chapters.
- Recognized for institutional contribution, including service as Head of Department and receipt of a Vice-Chancellor's commendation for contributions to Covenant University strategic plan documents.

PROFESSIONAL EXPERIENCE

Senior Scientist | AKADEMIYA2063 | Dakar/Kigali/Africa-focused policy research environment | 2024-Present

- Conducts data, statistical and econometric analysis on agricultural and food markets, international trade, investment and broader agrifood policy issues.
- Applies CGE, microsimulation and other quantitative tools to assess policy scenarios, market dynamics, trade and investment outcomes, and development impacts.
- Develops technical notes, training materials, documentation manuals, reports, policy papers and learning resources for research, capacity development and stakeholder engagement.
- Supports technical workshops, proposal development, internal and external data requests, policy communication, partnership engagement and resource mobilization activities.

Senior Lecturer / Researcher in Economics | Covenant University | Ota, Nigeria | 2004-June 2024; Senior Lecturer from 2015

- Taught undergraduate and postgraduate courses including Mathematical Economics, Statistical Theory, Applied Statistics, Econometrics Theory, Applied Econometrics and Macroeconomics.
- Conducted applied research on African economic and development issues using statistical, econometric and economic simulation tools.
- Supervised PhD theses and M.Sc. dissertations, mentored students and colleagues, and trained colleagues in Stata and EViews for statistical analysis.
- Served as Head of Department between 2015 and 2016, led university tutorial committee activities and contributed to improved institutional reporting formats.

Senior Lecturer, Adjunct | Emerald Energy Institute, University of Port Harcourt | Port Harcourt, Nigeria | 2019-Present

- Provides graduate-level hands-on training in CGE modelling and supervises graduate students' PhD theses and M.Sc. dissertations.

Senior Research Fellow, Associate | Resource and Environmental Policy Research Centre, EFD Nigeria, University of Nigeria Nsukka | Nsukka, Nigeria | 2019-Present

- Collaborates on research in climate change, energy transition, environmental economics, food security and African development policy.

- Contributes to grant proposal development, research execution, training workshops and stakeholder validation activities.

SIGNATURE PROJECTS AND POLICY ENGAGEMENTS

Project / Programme	Client / Partner	Contribution / Thematic focus
Innovation Impact at Scale country diagnostics (II@S)	World Bank	<ul style="list-style-type: none"> • Innovation inventory diagnostics • institutional arrangements for scaling • stakeholder validation
Kampala CAADP Country Domestication project	AGRA	<ul style="list-style-type: none"> • Country status assessment and profiling • Kampala goals and milestones diagnostics • policy and programmatic opportunities • NAIP technical tools
Africa Trade Outlook Portal (AfTOP)	USAID	<ul style="list-style-type: none"> • Global and regional trade outlook analysis.
CAADP-DST project	BMGF	<ul style="list-style-type: none"> • AI-enabled decision support • Bayesian estimation • Interactive decision tools • Participatory analysis
INCLUDING-Africa project	IDRC	<ul style="list-style-type: none"> • Fiscal and policy frameworks • Public and private capital mobilization • Local delivery mechanisms
GeoClimRisk Nigeria	GIZ	<ul style="list-style-type: none"> • Mitigation and energy transition risk analysis • Political economy and discourse analysis • Climate-linked migration • Conflict risk and dissemination
Africa Think Tank Platform (ATTP)	AU/World Bank	<ul style="list-style-type: none"> • Research generation • Capacity strengthening, • Policy engagement and uptake.

CONSULTING, GRANTS AND APPLIED MODELLING ASSIGNMENTS

- AGRODEP Seed Fund Grant on Advanced CGE Modelling; RAMP Large Research Grant on agricultural crop productivity shocks, adaptation pathways and household welfare outcomes in Nigeria.
- EfD Nigeria/CSEA/IDRC study on reconciling economic and debt management policies with climate and development objectives in Nigeria; CGE-based carbon pricing analysis.
- AKADEMIYA2063 CASP Phase II national consultancy for Nigeria climate adaptation status and pathways, including CGE modelling inputs.
- Comprehensive Action for Climate Change Initiative (CACCI) expert contribution on ex-ante assessment of climate mitigation and adaptation pathways for Rwanda.
- Economy-wide AfCFTA impact assessment for Nigeria and Nigeria in 2050 CGE-based perspective planning framework, funded by the Nigerian Economic Summit Group.

- IFPRI regional expert for Nigeria on appraisal and design of the second phase of National Agricultural Investment Plans for African countries.

EDUCATION AND PROFESSIONAL DEVELOPMENT

PhD Economics | Covenant University, Ota, Nigeria - Specialisation: International Economics; dissertation on workers' remittances and economic growth in selected Sub-Saharan African countries.

M.Sc. Economics | University of Benin, Benin City, Nigeria - Specialisation: International Economics; dissertation on foreign aid and domestic saving in Nigeria.

B.Sc. Economics | University of Ilorin, Ilorin, Nigeria - Research project on the role of the informal sector in the development of the Nigerian economy.

Selected certificates | MIT J-WEL, World Bank Institute, ECOWAS-EU-BMZ-UNITAR, UNECA/UNITAR - Learning design, trade facilitation, economic analysis of investments, policies for growth, African economic outlook and advanced poverty analysis.

SELECTED PUBLICATIONS AND KNOWLEDGE PRODUCTS

- Okodua, H., Adesanya, O., & Erhi, M. A. (2023). Overlapping trade flows and potentials for intra-trade expansion in Africa: The case of Nigeria's agricultural trade.
- Okodua, H., Urhie, E., Erhi, M. A., Hassan, C. O., & Fasanu, E. A. (2022). Oil price volatility and equity valuation of listed energy companies in Nigeria: A panel ARDL model.
- Okodua, H., Erhi, M. A., & Ewetan, O. O. (2022). Public debt, fiscal space, and industrial sector performance in Nigeria.
- Obasaju, B. O., Olayiwola, W. K., Okodua, H., Adediran, O. S., & Lawal, A. I. (2021). Regional economic integration and economic upgrading in global value chains: Selected cases in Africa.
- Afolayan, O. T., Okodua, H., Daikhenan, H., & Matthew, O. (2020). Carbon emissions, human capital investment and economic development in Nigeria.
- Okodua, H. (2020). Policy priorities for Nigeria's economic development. KIEP EMERiCs expert opinion.
- Okodua, H. (2018). Assessing the impact of rice sector policy reforms on the income mobility of rural households in Nigeria.
- Akinyemi, O., Alege, P. O., Ajayi, O. O., & Okodua, H. (2017). Energy pricing policy and environmental quality in Nigeria: A dynamic computable general equilibrium approach.
- Okodua, H., & Alege, P. O. (2014). Household welfare impact of trade liberalization in Nigeria: A computable general equilibrium model.
- Olayiwola, W. K., Osabuohien, E. S. C., Okodua, H., & Ola-David, O. A. (2014). Economic integration, trade facilitation and agricultural exports performance in ECOWAS Sub-Region.

TECHNICAL TOOLS

GAMS, Stata, EViews, Excel, Google Sheets, Word, PowerPoint, Google Docs, Microsoft Teams and related data-analysis, modelling and reporting tools.