

CURRICULUM VITAE

DANIEL KWABENATWEREFU

1. CONTACTS

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2. EDUCATIONAL BACKGROUND

1996 – 1999: Ph.D (Economics), Moscow State University of Instrument Engineering and Computer Science, Moscow, Russia.

1994 – 1996: MSc. (Mathematics), Russian Friendship University, Moscow.

1989 – 1994: BSc. (Mathematics), Russian Friendship University, Moscow.

1985 – 1987: Higher School Certificate – General Certificate Examination “Advanced” Level, Pope John Secondary School, Koforidua, Ghana.

1980 – 1985: Higher School Certificate – General Certificate Examination “Ordinary” Level, Nkawkaw Secondary School, Nkawkaw, Ghana.

3. WORK EXPERIENCE

a) November, 2024 to date: **Professor**, Department of Economics, University of Ghana, Legon.

b) July, 2021 to date: **Director**, Academic Quality Assurance Unir, University of Ghana, Legon

c) July, 2020 to July, 2021: **Acting Director**, Academic Quality Assurance Unir, University of Ghana, Legon.

d) September, 2017 to November, 2024 : **Associate Professor**, Department of Economics, University of Ghana, Legon.

e) May, 2008 to August, 2017: **Senior Lecturer**, Department of Economics, University of Ghana, Legon.

f) September, 2000 to April 2008: **Lecturer**, Department of Economics, University of Ghana, Legon.

g) July 2004 to July 2005 and from September 2001 to July 2002: **Policy Seminar Coordinator**, Economic Policy Management Programme, Department of Economics, University of Ghana, Legon.

Duties:

- Assisting the Director in the delivery and organization of Policy Seminars
- Identifying seminar speakers
- Organizing time schedule and logistics for seminar speakers
- Giving policy assignments to scholars and grading them
- Making all necessary arrangements for seminar presentation
- Leading scholars to conferences, workshops, seminars, video conferencing,

Achievements, Sept., 2001- to July 2002 - Secured sponsorship from the United State Embassy in Ghana to organize policy Seminars for EPM Scholar using the videoconferencing facility of the Ghana Institute of Management Productivity and Public Administration (GIMPA)

c) August 1999 to November 1999: **Head of Department**, Department of Statistics and Mathematics, Accra Polytechnic (Now Accra Technical University), Accra, Ghana.

Duties:

- Running the day-to-day affairs of the Department,
- Teaching - Business Mathematics, Research Methodology and Quantitative Analysis,
- Provided supervision and promoting the welfare of lecturers
- Supervising students
- Performing any other functions assigned by the Principal

d) January 2000-October. 2000: **Dean**, School of Applied Sciences, Accra Polytechnic (Now Accra Technical University)

Duties:

- Coordinating the activities of lecturers and students in the four Departments that come under the school
- Teaching in the Department
- Served on different boards including the Academic Board and the Admissions Board
- Supervising students
- Performing any other functions assigned by the Principal
- Chairman of a Committees that drafted the Strategic Plan of Accra Polytechnic

e) January 1999-August, 1999: **Senior Programmes Officer**, Green Earth Organization (An environmental NGO in Ghana)

Duties:

- Evaluating and monitoring the work of Project Officers,
- Preparing project reports,
- Developing proposals,
- Assisting in manpower development,
- Keeping and analyzing research data,
- Performing any other duties as directed by the Executive Director.

4. RESEARCH INTEREST

1. Environmental and Natural Resource Economic in relation to climate change and sustainable development
2. Renewable energy
3. Extractive Industry
4. Development and Microeconomics economics related to poverty/income distribution

5. FELLOWSHIP AND AWARDS

- a. Ghana/Russian Government Scholarship, 1989-1996
- b. Russian Government Scholarship, 1996-1999

6. COMPUTER LITERACY:

Statistical and econometric Packages (Eviews, SAS, SPSS, STATA, MS Word)

7. DETAILS OF TEACHING SINCE APPOINTMENT

1. Courses Taught at University of Ghana

a. Department of Economics

- (a) Environment and Natural Environmental Economics (Mphil, Economics)
- (b) Microeconomics (Mphil Economics)
- (c) Applied Mathematical for Economists (Level 300)
- (d) Applied Statistics for Economists (Level 300)
- (e) Economy of Ghana (200)

b. Economic Policy Management Programme (EPMP)

- (a) Microeconomics for Policy Managers (EPMP 1)
- (b) Applied Mathematics and Statistics for Policymakers (EPMP 1)

c. Institute of Statistics, Social and Economic Research (ISSER)

- (a) Environmental Economics (MA and PHD levels)

d. City Campus, Accra

- (a) Applied Mathematics for Economists (Level 300)
- (b) Applied Statistics for Economists (Level 300)
- (c) Poverty and income distribution

2. Other Teaching Assignments

1. Resource person for a workshop on Trade and Environment for Policy Makers from ECOWAS Commission and its Member States organized by the United Nations Economic Commission for Africa from 24-26 January, 2011 in Accra , Ghana
2. Visiting Scholar at the Mendel University in Brno, Czech Republic where I taught a course in “Poverty and Income Distribution in Sub Saharan Africa” from 12-21, December, 2008.
3. Visiting Scholar at the Mendel University in Brno, Czech Republic where I taught a course in “Development Challenges Facing Africa” from 30th October to 19th December, 2010.
4. Resource Person for a course on Debt Management organized by the United Nations African Institute for Economic Development and Planning (UNIDEP), Dakar, Senegal, from 18-23, September 2004.
5. Resource Person for a course on Poverty Analysis organized by the Economic and Social Policy Division and the Institutional Strengthening Programme of the United Nations Economic Commission for Africa from 13-16 December, 2005 at the UN Conference Centres Addis Ababa, Ethiopia

6. Resource Person in environmental Economics for the Joint Facility for Electives (JFE) organized by the African Economic Resource Consortium (AERC) from August-October, 2010 in Nairobi, Kenya.
7. Resource Person in Environmental Economics for the Joint Facility for Electives (JFE) organized by the African Economic Resource Consortium (AERC) from August-October, 2011 in Nairobi, Kenya

3. SUPERVISION OF STUDENTS

PhD: 9 students

MA/MSc/MPhil: 80 students

Undergraduate 30 students

8. MAJOR PROJECTS AND CONSULTANCIES

1. *University of Ghana Climate Resilience and Sustainability Collaborative*

The objective of the collaborative is to Develop the capacity of a critical mass of personnel to give Africa a voice in global discourses, Develop science/industry/community partnerships for innovation-incubation, product development, Establish Climate Resilience Labs to enhance University-wide learning and teaching, research, innovation and Create, Support and Nurture Networks, Policy, and Learning for Climate Resilience

Funding: Mastercard

Position: Co-lead of the Network Group

Duration: September 2024 to September, 2032

2. *Development of Climate Investment Index for Ghana*

The primary objective of the assignment is to use statistical tools in computing the GCII using 2023 as the base year. The specific objectives are to identify aggregate climate-related variables from diverse sectors; empirically estimate climate indices using statistical modelling; undertake statistical robustness checks to ascertain the validity of the index and make recommendations on Ghana's climate investment needs based on the results.

Funding: GIZ through NDPC

Position: Team Leader

Duration: May-November, 2024

3. *The Economics and Sustainability of the Eco-Levy for the Management of E-Waste in Ghana*

The objective of the assignment is to assess the current rate of collection of eco-levy into the e-waste fund account for the regulated items provided under the Fifth Schedule of Act 917, model the disbursement lines in sections 28 a & b of Act 917 against the current pilot collection and incentive payment model to determine the adequacy and sustainability of the Fund under different operating scenarios and assess the economic feasibility of operating a collection and dismantling e-waste facility using different business operating scenarios/models and factors consistent with the country's current circumstances and practices and develop a framework on

how to combine the current eco-levy collection with an Extended Producer Responsibility (EPR) scheme.

Funding: World bank through EPA

Position: Team Leader

Duration: September, 2023 to March 2024

4. Standards for official statistics on climate-health interactions”,

The objective of the study is to produce a transparent and globally generalizable framework for official statistics on climate change and health, develop a statistical method to provide estimates of climate-related health risk using real-world data sources, including novel and big data, and modelling local impacts and have a global report and knowledge-sharing platform and open-source toolset to facilitate high-quality research and official statistics in line with the agreed framework.

Funding: Office for National Statistics, UK

Position: Economist

Duration: September, 2023 to December 2025

5. Opinion Mining in Learner-generated Content, and Teacher Perception on Learner Academic Performance in Ghana

The objectives of the project are to develop a student-generated labelled dataset regarding feedback to teaching in institutions of higher learning in Ghana, detect students' perceived (sentiments and opinions) impact of teaching on their academic competency in institution of higher learning in Ghana and explore teacher perception of students' determination to enhance competency in institutions of higher learning in Ghana.

Funding: ORID, University of Ghana

Position: economist

Duration: September, 2023 to December 2024

6. Household electricity consumption inefficiency and poverty: Evidence from Ghana

The objectives of this study is to use original household survey data, to estimate the level of electricity consumption efficiency among Ghanaian households and identify its key drivers as well as evaluate the impact of household electricity consumption inefficiency on consumption and multidimensional poverty.

Funding: Efd

Position: Team Leader

Duration: March 2020to December, 2022

7. Estimating the cost of eliminating multi-dimensional child poverty in Ghana

The objective of this assignment is to quantitative estimate resources that are required to take children in Ghana out of multi-dimensional poverty with the view to assisting policy choices in child rights monitoring as the definition of multi-dimensional poverty is based on the key factors that define child rights and consequently enable the government to know the need for specific investments in child rights monitoring.

8. Household electricity consumption inefficiency and poverty: Evidence from Ghana

The objectives of this study are to estimate the level of electricity consumption efficiency among Ghanaian households as well as the drivers of efficiency, examine the impact of electricity consumption inefficiency on both consumption and multi-dimensional poverty, and demonstrate the potentially significant impact of inefficiency on household welfare with the view to providing evidence-based results for policy choices on welfare.

Funding: Environment for Development Initiative (Sweden)

Position: Team Leader

Duration: May 2020 to December, 2022

9. Technical update of Ghana's Nationally Determined Contribution

The objective is to Update Ghana's Nationally Determined Contributions (NDCs) with the view to strengthening implementation of the NDC, ensuring robust adaptation actions, raise mitigation ambition ensure transparency communication of the new NDC and allow for addressing the persistent challenges militating against the full implementation of the NDCs.

Funding: UNDP Ghana

Position: Team Leader

Duration: June 2020 to December, 2020

10. Volta River Authority (VRA) Electricity Market Survey

The overall objective of the study is therefore derived from the broad objectives of the Volta River Authority to identify the factors that affect electricity demand, affordability and sustainability of power supply. Specifically, the study seeks to comprehensively assess all developments, market forces and economic indicators that are likely to affect customers of VRA.

Funding: VRA

Position: Energy Expert in the Team

Duration: October 2019 to data

11. Preparation of Voluntary National (VNR) Report for Ghana

Funding: National development planning commission (Ghana)

Position: Consultant

Duration: January –March, 2019

Provided support to the National Development Planning Commission on the development of the Voluntary National Review Report on the Implementation of the 2030 Agenda for Sustainable Development for **Ghana**. I contributed to the writing of the Section on Policy Coherence for the Implementation of the Sustainable Development Agenda in Ghana

12. The Potential, Uptake And Business Case For Solar Energy In Ghana As An Alternative Energy Source

The objectives of the assignment is to obtain information on solar energy technology production, uptake and use in Ghana; identify sustainable ways of creating an enabling environment for active stakeholder participation in solar technology initiatives and recommend policies and a systematic approach that policy makers could adopt to ensure the Solar energy businesses are profitable and Ghanaians patronize solar energy as alternative energy for domestic and industrial purposes

13. Economic And Financial Analysis of the Ghana Land Administration 2 Project

Funding: World Bank

Position: Lead Researcher

Duration: February to June, 2018

The overall objective of the assignment is to review the relevant documentation, studies and reports prepared by the Bank, the government and other donors on LAP2 and the land sector in Ghana; provide updated Economic and Financial Analysis (EFA) as an input to the Implementation Completion Report (ICR) and to revise and update the economic and financial analysis for the proposed Additional Financing.

14. Sustainable Development Goals Indicator Baseline Report 2017 - Ghana

Funding: National Development Planning Commission (Ghana)

Position: Consultant (Drafted the Goals related to the environment)

Duration: November, 2017-March, 2018

The overall objective of the assignment was to support the drafting of the Sustainable Development Goals Indicator Baseline Report 2017 – Ghana. Specifically, I drafted the indicators of the Goals related to the environment -Goal 6, Goal 7, Goal 9, Goal 12, Goal 13, Goal 14 and Goal 15. and supported the national discussion of the Goals

15. Potential Social and Economic Benefits of Climate Change

Funding: UNTAD

Position: Researcher

Duration: September-December, 2017

The objective of this report is to piece together evidence, anecdotal or otherwise, of beneficial impact of climate change, with specific focus on renewable natural resource, biodiversity and ecological systems, green energy and technology, agriculture and employment.

16. Development of revenue forecast model for the natural resource Sector in Ghana

Funding World Bank through SRS -NREG

Position Consultant

Duration: October, 2015-January, 2016

The overall objective of the project is to develop revenue forecasting model to forecast mining sector revenue to be lodged and used by the Minerals Commission; forecast revenue from the forestry sector to be housed in the Forestry Commission; forecast oil and gas revenues to be housed in the Oil and Gas Unit of the Real Sector Division of the Ministry of Finance; this model

should be able to interface with all other models under development; and Generate a comprehensive forecast involving the natural resource revenue forecasts of Mineral Commission, Forestry Commission and the Oil and Gas Unit of the Real Sector Division (MOF).

17. Development of a framework for Natural Capital Accounting for Ghana

Funding: World Bank through SRS -NREG

Position: Main Consultant

Duration: June, 2015-December, 2016

The overall objective of the assignment was to initiate and engage stakeholders in a discussion on how to design and implement an SEEA based on the outcome of the discussion paper on NCA; Undertake feasibility studies on the implementation of an SEEA; Compile on a pilot basis a national sub-account for the forestry, minerals or any other sector as will be agreed on at the inception stage ; Conduct a needs assessment on the establishment of an SEEA; Develop the institutional framework for the implementation of SEEA; Draw up a road map for the implementation of the SEEA and Analyse problems and challenges in the implementation of the

18. Public Expenditure Review of the Forestry Sector

Funding: World Bank through SRS -NREG

Position: Main Consultant

Duration: August –November, 2015

The objectives of the review are to get a comprehensive picture of the budgets and actual expenditures of the forestry sector; Identify causes for differences between budget allocation and expenditures; Analyse relevance, efficiency and efficacy of spending of the Forestry Commission and other sector agencies against the stated policy priorities of the Government; Assess the current use of performance / results agreements linked to budget and their potential for improving sector performance; Generate policy –relevant insights to improve the capacity of the Forestry Commission and the Ministry of Lands and Natural Resources regarding public expenditure management; Provide to the Forestry Commission, the Ministry of Lands and Natural Resources and Ministry of Finance (GOG) with recommendations on how to improve budget allocations and improve efficiency of spending.

19. Development of a Low Carbon Development Strategy for Ghana and two energy efficiency NAMAs

Funding: United Nations RISO

Position: Main Consultant

Duration: January -December, 2014

Participated in the development of the INDC

20. Funding: United Nations RISO (UNEP –DTA partnership)

Position: Main Consultant

Duration: January -December, 2014

The overall objective of this strategy is to contribute to global climate change mitigation through the development of an economically efficient and comprehensive low carbon development strategy for Ghana together with a monitoring reporting and verification system and an action plan. The project also developed two energy efficiency NAMA: Bus rapid transport in Accra

and Improvements in energy efficiency in commercial buildings through installation of capacitor banks

5. Attitudes of local people to mining Policies and Interventions

Funding: International Growth Center

Position: Main Researcher

Duration: February-December, 2014

The overall objective is to investigate the attitudes of local people to mining policies and interventions, investigate why local people violate mining regulations as well as policies that will make small-scale mining be more meaningful to the economy.

6. Development of Sustainable Development Goals for West Africa Subregion

Funding: United Nations Economic Commission for Africa

Position: Main Consultant

Duration: February-December, 2013

The overall objective of this consultancy is to produce well-informed analytical Report on Sustainable Development Goals for the West Africa sub-region that will; identify and analyse the priority sustainable development issues and challenges in the subregion; identify, analyse and articulate main priority areas/themes of sustainable development for West Africa to inform the formulation of the SDGs taking into account data availability; Propose a concise set of SDGs and associated targets and indicators for the subregion and Provide well-informed, action-oriented recommendations and way forward on the operationalization/implementation of the proposed SDGs in the context of the subregion.

7. The Economic Impact of Climate Change on Road Infrastructure in Ghana

Funding: United Nations – World Institute for Development Economic Research Economic (UNU-WIDER)

Position: Main Researcher

Duration: November, 2012 – April, 2013

The objectives of the project is to use the climate-infrastructure model to quantitatively estimate the damages from climate change on road networks, including the effects of sea level rise on coastal infrastructure.

8. Aid and Environment in Ghana

Funding: African Economic Research Consortium (AERC)

Position: Main Researcher

Duration: January,, 2013 - to date

The objective of the project is to ascertain if indeed donor resources are really tackling the problem of natural resource degradation as well as the challenges faced in assessing donor funds for environmental activities. The research would also attempt to link “top down” donor data on foreign aid to information on the ground collected systematically to ascertain if donors are fulfilling their pledges on the environment.

9. Supporting the Preparation of the African Economic Outlook

Funding: AfDB

Position: Local Consultant in data collection and stakeholder consultation

Duration: 1st January 2012 – 30th June 2012 and from 1st January 2013 – 30th June 2013

The overall objective of the consultancy is to provide the AfDB author of the AEO/CPIA with the necessary data, qualitative information for producing the AEO/CPIA country notes and assigning CPIA scores; indicating relevant contacts in government, international organization, NGOs and private sector with regards to the product the AEO/CPIA country notes and assigning CPIA scores; facilitating discussions of AfDB staff with the relevant contacts' assisting in the compilation of relevant materials in preparation of country mission; identifying and collecting all relevant data and provide supporting official documents/electronic files of the data used to complete the AfDB country master file which contains information on all macroeconomic and development indicators.

10. Inclusive Green Growth in Ghana: Good Practices and Lessons learnt

Funding: UNECA

Position: Local Consultant

Duration: 17 December 2012 to 16 May 2013

The overall objectives of the consultancy was to produce a well-informed report documenting good practices and lessons learnt on inclusive green growth in Ghana's economy to be showcased as case studies in the Sustainable Development Report for Africa V (SDRA-V).

11. Provision of Technical Support to a Technical Working Group Meeting on Green Economy in Ghana

Funding: UNDP Ghana

Position: Consultant

Duration: 11-16 October, 2012

The task was to serve as the technical lead for the meeting, facilitate discussions, document all aspects of the meeting and produce a comprehensive report, make a presentation on Green Economy and draft Terms of Reference (TOR) for the formation of a Green Economy technical working group and corresponding task team for Ghana.

12. Preparation of Pre-Project Repots On Facilitating Implementation And Readiness For Mitigation (FIRM)

Funding: UNDP Riso through MEST

Position: Principal Consultant

Duration 2-24 July, 2012

The objective of the assignment is to map out the existing institutional structure to address climate change in Ghana, their key responsibilities and operational processes; map out existing and ongoing activities related and relevant to FIRM activities in Ghana, viz., development of low carbon development studies and identification of priority mitigation actions and preparation of

NAMAs and identify and assess national mitigation priorities taking into account national socio-economic objectives and international technology and policy developments for Ghana.

13. Preparation of Transport Sector Research Strategy, Climate Change Strategy and Costed Implementation Plan

Funding: European Union

Position: Climate Change Expert

Duration May-November, 2012

The overall objective is to improve policy and planning function in the Transport Sector to enable it better serve the development objectives of Government and respond to the increasingly complex challenge of climate change and sustainable development through the development of a Research and climate change strategy with costed action.

14. Development of an Investor Guide for Ghana on the Nationally Appropriate Mitigation Actions (NAMAs) Under the UNFCCC Framework

Funding: UNDP Ghana

Position: Consultant

Duration: July– December, 2012

The objectives of this assignment is to develop an Investor Guide that will provide a one stop shop for public and private investors who are prepares to invest in the 55 Nationally Appropriate Mitigation Actions submitted by Ghana to the UNFCCC and to develop a dissemination framework for the Guide.

15. Preparation of Sector Reports in the Manufacturing Sector

Funding: DANIDA through the BUSAC Fund

Position: Technical Advisor to AGI

Duration: January – December, 2012

The overall objective is to develop an evidence-based system to consistently monitor the various sub-sectors of the manufacturing sector in order to advocate for policies that will help improve the manufacturing sector's contribution to the country's GDP. It involved administering questionnaire to specific manufacturing industries on quaterly bases to track ther productivity and performance. The project also aim at establishing an industrial Database to keep all relevant industrial data on key manufacturing sub-sectors operating in Ghana as well as exploringe challenges and opportunities along the entire value chain of the Sector as follows:

16. Leveraging Climate Finance for Resilient Development Organized by the UNDP Environment and Energy Group, Africa Adaptation Programme and Environmental Protection Agency-Ghana

Funding: Japanese Government through UNDP AAP

Position: Facilitator and Resource person

Duration: 19th to 23rd March 2012

The aim of the workshop was to train participants on the framework for understanding climate finance readiness, in the context of international climate finance and different capacity needs of African countries and to provide an in-depth review of the economics of climate change, as a key component of planning for climate finance for Ghana. Four components of climate readiness were discussed including Planning, Accessing, Delivering, and Monitoring, Reporting and Verifying climate finance. My task was to facilitate and document all aspects of the International Workshop with special emphasis on those elements that relate to the economics of climate change adaptation with the ultimately aims of developing a training guide for undertaking economic analysis of climate change adaptation and mainstreaming the costs of adaptation into sector budgeting processes

17. Capacity Building for Assessment and Monitoring of the Costs of Environmental Degradation

Funding: DFID through the IDL Group

Position: Environmental Economist

Duration: 7th February 2011 - March 2012

The goal of the project is to help the Government of Ghana in ‘developing and implementing in a sustainable way the assessment and monitoring of the cost of environmental degradation to consistently report on ENR progress, identify emerging issues and inform strategic decisions’, including the formulation of an environmental accounting approach and methodology that helps policy analysis and development planning, the institutional arrangements and tools necessary to implement this and the integration of these with existing processes.

18. Preparation of the Review Report on Progress towards Sustainable Development in Ghana

Funding: UNDP/ MEST

Position: Environmental Economic Consultant

Duration: 07/07/2011- 24/10/2011

The specific overall objective of this consultancy is to provide well-articulated documentation of progress in the implementation of sustainable development agenda , clear understanding of the constraints and challenges, increase understanding and appreciation of the new and emerging challenges to advancing Ghana’s sustainable development enhance understanding and appreciation of the institutional and strategic frameworks necessary to effectively operationalize sustainable development in Ghana; provide a clear understanding and appreciation of the prospects and challenges for Ghana towards a transformation to a green economy in the context of sustainable development and poverty reduction ; provide well-informed, action-oriented recommendation and way forward to advance West Africa’s sustainable development Agenda.

19. Assessment of revenue forecasting in the natural resource sectors

Funding: World Bank through MOFEP(NREG)

Position: Economic Consultant

Duration: 07/11/2011- 02/02/2012

The objectives of the assignment is to analysis revenue projections in the extractive sectors – mining, forestry and oil and gas; identify the key challenges, particularities, and technical issues of revenue forecasting in each sector using policy notes developed by the World Bank in oil and

gas, and mining; identify any international good-practice; determine the linkages between the forecasting methods used by the agencies, MoFEP and Bank of Ghana; identify weaknesses of the current method of revenue projections; propose recommendations to addressing the identified weaknesses while taking note of the strengths thereof.

20. Development of innovative financial mechanism for the Operational Costs and the Implementation of Guinea Current Large Marine Ecosystem's Strategic Action Plan

Funding: GCLME/UNIDO

Position: Main Researcher

Duration: 04/April/2011- 24/06/2011

The study aims at developing innovative, sustainable and flexible financing mechanisms other than the conventional donor and government sources of finance that can raise resources to finance the Guinea Current Commission, Strategic Action Plan and National Action plans of countries in The Guinea Current Large Marine Ecosystem project without impacting negatively on the sustainable development aspirations of these countries.

21. Technical Coordination and Process Facilitation Support Policy Advisory Series Programme On Climate Change

Funding: UNDP through EPA

Position: Technical Advisor

Duration: 07/07/2011- 24/31/2011

The task is to provide technical coordination and process facilitation support to the Africa Adaptation Programme (AAP) on Climate Change, under the Environment Protection Agency, which aims at developing capacity and strategic policy dialogue approaches for mainstreaming climate change adaptation in Ghana. Specific tasks include designing initial workshop strategy and prepare background documents for all meetings and the workshops ; in collaboration with the (PMU), identify resource persons for drafting the Policy Advisory series; Stimulating, maintain interest and direct all meetings and workshops into constructive action; Working closely with all the resource persons to finalise the drafts; Noting and document all comments, discussions etc in a form of a comprehensive report during all meeting and workshops on the PAS among others

22. Preparation of the Review Report on Progress towards Sustainable Development in West Africa

Funding: ECOWAS/UNECA/AfDB

Position: Environmental Economic Consultant

Duration: 07/07/2011- 24/10/2011

The specific overall objective of this consultancy is to provide well-articulated documentation of progress in the implementation of A21, PFIA21 and JPOI commitments, clear understanding of the constraints and challenges, and well-informed recommendations to enhance implementation progress; increase understanding and appreciation of the new and emerging challenges to advancing West Africa's sustainable development agenda and well-informed action oriented recommendations to effectively addressing the challenges; enhance understanding and

appreciation of the institutional and strategic frameworks necessary to effectively operationalize sustainable development in West Africa; provide a clear understanding and appreciation of the prospects and challenges for West Africa towards a transformation to a green economy in order to contribute to the realization of its sustainable development and poverty eradication goals.

23. 2010 Joint Review of Public Expenditure Review of Ghana: Basic Salary and Allowances of Subvented and Non-Subvented Agencies for 2000, 2004,2008

Funding World Bank

Position: Economist

Duration: March –August 2010

The main objective of this assignment is to collect data on staff strength, basic salary and allowances of Subvented and Non-subvented Agencies for 2000, 2004 and 2008 through a census of all Subverted Agencies and to tract the evolution of government expenditure overtime. The work provide background information for the 2010 Joint Review of Public Expenditure.

24. Institutional Mapping for Development Networks and Initiatives in Sub-Saharan African Countries

Funding: Rockefeller foundation through the African Economic Research consortium

Duration: February –July, 2010

Position : Economist

This is a multi country study involving 11 countries in Africa. The objective of the project is to map out specific institutions in the field of disease surveillance networks; urban financial innovations and planning; building climate change resilience in African agriculture; food security; carbon and poverty reduction; impact investing; China’s engagement with Africa; transforming health systems; environment scanning or foresight research process; African higher education/ capacity building; ICT and development and BPO Growth and NGO efficiency as well as assessing the performance of these institutions and the challenges for development network. The outcome will provide valuable inputs to the Consortium’s core areas of research and graduate training, provide a profile of recent/ongoing development networks and consequently generate ideas for future analytical studies, policy dialogues, and policy development. The project will also enable AERC to have a good understanding of the capacity constraints of these institutions and hence assist the consortium to design modular training courses targeting specific development networks, initiatives and institutions.

25. International Liberalization of Trade in ICT Services: Challenges for the Private Sector and Implications for the Implementation of Public Policies in West Africa

Funding: IDRC

Position: Economist

Duration: February 2007-March 2010

This is a multi country study involving Senegal, Nigeria, Ghana and Benin. The project aims at contributing to a better understanding of the challenges and implications of the liberalization of trade in ICT goods and services in order to promote in West African countries the

implementation of public policies favourable to the development of national and regional ICT private sector and more efficient participation by these countries in international negotiations

26. The Impact of the Global Food, Fuel and Financial Crises on Children: Evidence from Ghana
Funding: UNICEF

Position: Microeconomic and poverty Expert

Duration: September, 2009-March 2010

This is a multicountry study involving Cameroun, Burkina Faso and Ghana. This projects aims at simulating the impact of the financial crises on foreign direct investments, trade, remittances and employment at the macro while at the micro level we use income and employment changes from the CGE model to examine the various dimensions of child poverty which resulted from shocks on the model as well as the impact of the crises on human development in the area of health and education. In particular, the effects on child monetary poverty, caloric poverty, school participation, child labor and access to health care are assessed. Mitigating policy options will also be explored

27. A Study on Mineral Exploitation, Environmental Sustainability and Sustainable Development in EAC, SADC and ECOWAS Regions.

Funding: UNECA/ African Trade Policy Center

Position: Economist

Duration: March –August, 2009

The objective of the study is to establish coherent trade and environment policies to ensure environmentally sustainable mineral exploitation with the view to achieving sustainable development.

28. Desk Study on Business Environment in Ghana.

Funding: GTZ through Association of Ghana Industries (AGI).

Position: Economist

Duration: November 2008-January, 2009

This study aims at analysing and summarising recent relevant report, studies, conferences, workshops and other academic material on the development of Small and Medium Scale Enterprises (SMEs) in developing countries. The study provides an input to the formulation of the SME policy for Ghana

29. Socio-economic and cultural factors preventing or facilitating the spread of HIV/AIDS in Ghana

Funding: Ghana AIDS Commission

Position: Assistant Principal Investigator

*Duration: may 2007-August 2008

This project aims at identifying the socio-economic and cultural factor facilitating or preventing the spread of HIV/AIDS in Ghana. It involves a nation survey and focused group discussion with

specific socio-cultural groups. This outcome of the research is expected to inform policy on socio-cultural activities and their impacts on HIV/AIDS

30. Towards a Liberian Employment Policy: Labour Market Assessment for Liberia

Funding: International labour organization (ILO)

Position: Principal Investigator

Duration: January to December 2007

This project aims at assessing the Liberian labour market highlighting the strengths and weaknesses of the various labour market constituents. This outcome of the assessment would form the basis for the development of an employment policy for Liberia.

31. Making Aid More Effective: Evidence And Lessons From Civil Society In Ghana

Funding: Center for Democratic Development –Ghana

Position: principal Investigator

Duration: July –December, 2007

The aim of the research is to critically appraise how the operational instruments of the Paris Declarations on Aid Effectiveness impact on civil society engagement in policy making processes and implementation of poverty focused programs. The research also focused on the implications (opportunities and threats) to the civil society under the Paris Declaration, identify policy gaps and institutional constraints on active civil society engagements in defining the national development policy agenda and particularly in fostering pro-poor policies and strengthening political accountability and financial transparency.

32. Review of the Implementation of the Recommendation on Economic Governance and Management under the African Peer Review Mechanism (APRM)

Funding: National African Peer Review Mechanism Governing Council (NAPRM-GC)

Position: Principal Investigator

Duration: August-November, 2007.

In 2005 the Economic Governance and Management (EGM) report was presented as one of the four components of the APRM by Ghana. This project has been implemented on annual basis since 2005 and aims at monitoring and evaluation the performance of the country with regards to the implementation of the recommendations made in the EGM report.

33. Labour Market Flexibility, Employment and Income Insecurity in Ghana

Funding: International labour organization (ILO)

Position: Principal Investigator

Duration: April 2005 to November 2006

In addition to coming out with an Employment Policy Paper published by the ILO, this project aimed at assessing the Ghanaian labour market with respect to flexibility and insecurity through a nation wide survey.

34. Sustainable Land Management For Mitigating Land Degradation, Enhancing Agricultural Biodiversity And Mitigating Poverty (SLAM).

Funding: United Nations Development programme (UNDP)/ Ministry of Environment and Science

Position: Economist

Duration: March-June, 2006.

This is a national study aimed at identifying sustainable land management practices used in Ghana and finding ways of improving it as well as replicating them in Ghana. My task is to look at the cost of implementing sustainable land management practices as well as the cost to farmers, communities and the nation as a whole.

35. Baseline Study on Compliance of the Ghana Business Code” 2006

Position: Principal Investigator

Funding: DANIDA

Duration: July 2006-December 2006

The main objective of the project is to provide baseline information on the extent to which small, medium and large enterprises are practicing the key code prescriptions of the Ghana Business Code and to develop indicators for periodic monitoring. The study also provided input for development of awareness raising, advocacy and communication activities that will introduce the code of business practice into the Ghanaian society.

36. Development of HIV/AIDS Policy and Prevention Programmes for The University of Ghana.

Funding: Teaching and Learning Innovation Fund (TALIF)

Position: Alternative Programme Coordinator

Duration: December 2005-January 2007

This programme assessed knowledge and behaviour of students in the University of Ghana with regards to HIV/AIDS and led to the development of an HIV/AIDS Policy for the University. The Policy is currently under consideration by the Executive Committee of the University.

37. Development and Implementation of National Strategies for Sustainable Development: The Case of Ghana.

Funding: United Nations Economic Commission for Africa (UNECA),

Position: Economist

Duration: June –December, 2006

This project provided an in-depth analysis of the status of implementation of NSSD in Ghana. Specifically, the objective of the project is to assess the level of development and implementation of NSSD by Ghana; provide recent documentation of experiences in the NSSD process and promote knowledge networking among member States with a view to deepening and enhancing the learning and implementation process.

38. Organization of Land Markets and Production in Ghana ’.

Funding: United States Agency for International Development (USAID)
Position: Investigator
Duration: April 2005-May 2006

The main objective of this study is to address the effect of the formalization of the informal customary land tenure system on land markets and productivity in Ghana. The project resulted in a technical publication by ISSER

39. Status Of Implementation Of Sustainable Development in Ghana
Funding: United Nations Economic Commission for Africa (UNECA),
Position: Economist
Duration: June –September, 2005

The objective of this project is to assess the state of implementation of sustainable development in Ghana. Specifically, the project focused on providing a history of sustainable development and uses indicators to assess the status of sustainable development implementation.

40. Economic Assessment of Sustainability of Growth Dependent on Renewable Natural Resources in Ghana
Funding: DFID/World Bank
Position: Investigator
Duration: January-December, 2005

This project aimed at costing the environmental degradation resulting from Ghana's development. Specifically, the project quantified the environmental cost of degradation resulting from agriculture and the exploitation of wildlife, fisheries, forest and informed government policies on sustainable development.

41. Economic Governance and Management Component of the African Peer Review Mechanism
Funding: National Governing Council of the African Peer Review
Position: Investigator
Duration: April 2004-May 2005

This project was implemented in collaboration with the Center for Policy Analysis and aimed at assessing Ghana's performance in economic governance and management under the African Peer Review Mechanism (APRM). The report informed the APRM process which Ghana acceded to in 2002.

42. Socio-Economic Impact of Petroleum Deregulation Policy in Ghana
Funding: Ministry of Energy
Position: Investigator
Duration: May-September, 2004

This study was undertaken in collaboration with the Resource Center for Energy Economics and Regulation of the Institute of Social Statistical and Economic Research, Legon. The main

objective of the study was to assess the socio-economic impact of the government of Ghana's Petroleum Deregulation Policy on incomes and livelihoods of the average Ghanaian.

43. Globalization, Employment and livelihood in the Mining sector, 1980-2000”

Funding: International Policy Group of the ILO

Position: Investigator

Duration: August –December 2003

This project is a sub-component of the Globalization, Employment and Poverty Reduction Programme of the International Policy Group of the ILO. The project assessed the impact of globalisation and mining sector reforms on employment and incomes paying particular attention to livelihoods in the mining communities of Ghana.

44. Matching Fund Conditionality and the Implication for Budgeting and Budgeting Outcome

Funding: DFID through Multi-Donor Budget support Secretariat, Ministry of Finance and Economic Planning

Position: Principal investigator

Duration: August to December 2003

This project assessed the quantum of matching fund required by the Government of Ghana through a survey of all matching fund required by the Ministries with the view to streamline matching fund conditionality in loan agreements. The project helped the government to strategise in loan negotiations

45. Energy Balance And Environmental Impact Assessment For Ghana

Funding: DANIDA through Energy Commission

Position: Investigator

Duration: March 2000 to June 2002

The aim of this project is to analyse the demand and supply of all energy resources and for all sectors with the view to providing baseline information for projections of energy requirement of Ghana. The project is one of the four sub-components of the Strategic National Energy Plan 2000-2020 (SNEP) project undertaken by the Energy commission

46. Development of a Social Impact Assessment Strategy

Funding: World Bank through the National Institutional Renewal Programmes (NIRP)

Position: Labour Economist

Duration: December 2003-December, 2004

The project aimed at assessing the social impact of the public sector restructuring programme undertaken by the NIRP through a survey. The project led to the development of strategies to mitigate the social impacts of the restructuring on employees, especially those who were redundant and those who will be redeployed under the public sector restructuring programme.

9. PUBLICATIONS

Book(s)

1. Frimpong, G., **Twerefou, D. K.** and Oforu-Tenkorang, K. (2012). *International Liberalization of Trade in ICT Services: Challenges for the private sector and implications for the implementation of public policies in Ghana*. Accra: CSIR/STEPRI and Woeli Publishing Services. ISBN: 978-9988-1-6189-7.
2. **Twerefou, D. K.** and Kwarar, M. (2008). *Towards Decent Work in Liberia: A Labour Market and Employment Assessment*. Geneva: International Labour Office. ISBN: 9789221217787; 9789221217794 (web pdf).

Edited Book(s)

3. **Twerefou, D. K.**, Quartey P., Boakye-Yiadom L. and Baah-Boateng W (Eds.) (2013). *Readings on Key Economic Issues in Ghana*. Accra: Digibooks Ghana Ltd. ISBN: 978-9988-1-9154-2.

Chapters in Books

4. **Twerefou, D. K.** and Tutu, K. A. (2016). Managing the Environment for Development. In Aryeetey, E and Kanbur, R. (Eds), *The Economy of Ghana Sixty Years After Independence* (pp 242-260). London: Oxford University Press. ISBN
5. **Twerefou, D. K.** Osei-Assibey, E. and Senadza, B. (2015). Ghana: globalization and development outcomes. In S. T. Otsubo (Ed), *Globalization and Development Outcome, Volume 2: Country Experiences* (pp 184-214). London and New York: Routledge. ISBN: 978-1-138-78159-7.
6. **Twerefou, D. K.** (2014). Experiences in Managing Oil Issues: The Norwegian Experience and its Implications for Ghana. In E. Aryeetey, R. O. Darko, and P. Quartey (Eds.), *Managing Ghana's Oil Boom for structural transformation* (pp 49-74). Accra: Sub-Saharan Publishers. ISBN: 978-9988-75-092-3.
7. **Twerefou, D. K.** Akolmolga N. D. and Barimah A. (2014). The Impact of Public Health Expenditure on Health Outcomes in Ghana. In F. A. Asante, A. Y. Owusu and C. Ahiadeke (Eds.), *Placing Health at the Center of Development* (pp 206-229). Accra: Sub-Saharan Publishers. ISBN: 978-9988-75-096-1.
8. **Twerefou, D. K.** (2012). Social Partners and Poverty Reduction Strategies in Ghana – Can this be a Development Success Story. In D. K. Twerefou, P. Quartey, L. Boakye-Yiadom and W. Baah-Boateng (Eds), *Readings on Key Economic Issues in Ghana* (pp 57-75). Accra: Digibooks Ghana Ltd. ISBN: 978-9988-1-9154-2.
9. **Twerefou, D. K.**, Tutu, K. A., Justice, M. and Armah, M. K. (2013). Willingness to Pay for Vehicle Towing insurance in Ghana. In D. K. Twerefou, P. Quartey, L. Boakye-Yiadom and W. Baah-Boateng and (Eds), *Readings on Key Economic Issues in Ghana* (pp 259-285). Accra: Digibooks Ghana Ltd. ISBN: 978-9988-1-9154-2.
10. **Twerefou, D. K.**, Osei-Assibey E. (2008). Environmental Sustainability and Poverty Reduction in Ghana. In J. Amoako-Tuffour and B. Armah B (Eds), *Poverty Reduction*

Strategies in Action: Perspectives and Lessons from Ghana (pp 295-312). New York: Lexington Books, ISBN-13: 978-0-7391-1010-2.

11. **Twerefou, D. K.** and Kwakye E. (2004). Economic Challenges Posed by HIV/AIDS. In *Ghana Human Development Report, 2004: Breaking the Chain; A Human Development Challenge* (pp 84-84). Accra: UNDP/UNFPA. ISBN: 9988-8293-2-9.

Journal Articles

12. Twerefou, D. K., Opantu Abeney, J., Toman, M. A., Twumasi Baffour, P., Turkson, F. E. (2025). Household Electricity Consumption Efficiency and Poverty: Evidence from Ghana, *Energy efficiency*. Forthcoming
13. Tawou-Hida, A. K., **Twerefou, D. K.**, **Akpalu, W.**, **Agyre – Tettey, F.** (2024). Adoption and extent of integrated crop residue management in Togo, *African Journal on Land Policy and Geospatial Sciences*, Vol.7, Issue 6, <https://doi.org/10.48346/IMIST.PRSM/ajlp-gs.v7i6.52079> C
14. Twerefou, D. K., **Abeney, J. O.**, R. T., **Dovie, D. B. K.** (2024). To live with floods or not: Intersectionality of drivers of urban households' adaptation and relocation intentions, *Journal of Flood Risk Management*, <https://doi.org/10.1111/jfr3.13015>
15. Nyasapoh, M. A. Debrah, S. A. and Twerefou, D. K. (2023) Long-term electricity generation analysis and policy implications – the case of Ghana, *Cogent Engineering*, 10:1, 2209996, DOI: 10.1080/23311916.2023.2209996
16. Daniel, D. K. Owusu, E. A. and Dovi, D. B. K. (2023). Correlates of flood preparedness in urban households: Evidence from the Greater Accra Metropolitan Area of Ghana, *Environmental Challenges*, 11, 100706, DOI:org/10.1016/j.envc.2023.100706
17. Appiah Kubi, J. W., Baah-Boateng, W., Boakye-Yiadom, L., **Twerefou, D. K.** (2021). Personality and performance of household non-farm enterprises in Ghana. *Ghana Social Science Journal*, Vol. 18, No. 1.
18. Azorliade, D. A., Twerefou D. K. and Dovie D. B. K. (2022). The Impact of Household Cooking Fuel Choice on Healthcare Expenditure in Ghana. *Frontiers in Environmental Science, Environmental Economics and Management* 10:861204. DOI: 10.3389/fenvs.2022.86120
19. Nyasapoh, M. A., Debrah S. K. Gyamfi, S., **Twerefou, D. K.** Kholi, F. K. (2022) An Overview of Energy Resource and Future Concerns for Ghana's Electricity Generation Mix, *Journal of Energy*, Volume 2022, doi.org/10.1155/2022/1031044
20. **Twerefou, D. K.** and Ayimpusah E. A. (2021). The Quest for Fairness: An Empirical Examination of the Determinants of Compensation Satisfaction in Ghanaian Mining Communities *Studies in Applied Economics*, Vol 39, No 2

21. **Twerefou, D. K.** and Abeney J. O. (2020). Efficiency of household electricity consumption in Ghana, *Energy Policy* 144. DOI.org/10.1016/j.enpol.2020.111661
22. **Twerefou, D. K.**, Turkson, F. E., Frimpong-Wiafe. B, Darkwah, S. A. (2020). Do Foreign Financial Inflows Impact On Economic Growth? Evidence From Sub-Saharan Africa, *Studies of Applied Economics* Vol. 38, No. 2. DOI: 10.25115/eea.v38i2.3293
23. Dovie, D. B. K., Dzodzomenyo, M Dodor, D. E., Antwi-Boasiako A., **Twerefou, D. K.**, Samuel N. A., Codjoe, N. A. S. and Kasei, R. A. (2020). Multi-Vector Approach to Cities' Transition to Low-Carbon Emission Developments, *Sustainability*, Vol 12 .DOI:10.3390/su12135382
24. **Twerefou, D. K.**, Adu-Danso, E., Abbey, E and Dovie, D. B. K (2019). Choice of household adaptation strategies to flood risk management in Accra, Ghana, *City and Environment Interactions*, Volume 3, DOI.org/10.1016/j.cacint.2020.100023
25. **Twerefou, D.K.**, Akpalu, W. and Mensah, A. C. E. (2019). Trade-induced environmental quality: the role of factor endowment and environmental regulation in Africa. *Climate and Development*, DOI: 10.1080/17565529.2018.1562868
26. **Twerefou, D. K.**, & Ayimadu, B. (2018). Effects of Financial Deepening on Saving Mobilization: Evidence from African Countries. *International Journal of Contemporary Research and Review*, 9(07), 20917-20928. <https://doi.org/10.15520/ijcrr/2018/9/07/555>
27. **Twerefou, D. K.**, Abbey, E., Codjoe, E. A., Ngotho, P. S. (2019). *Impact of Stock Market Development on Economic Growth: Evidence from Selected Sub-Saharan African Countries*. Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis, 67(3): 0000 – 0000.
28. **Twerefou, D. K.**, Iddrisu S. I. and Twum, E. A. (2018). Energy Consumption and Economic Growth: Evidence from the West African Sub Region. *West African Journal of Applied Ecology*, vol. 26(SI), 2018: 242 – 258
29. Appiah-Konadu, P., Shitsi, J. F., Abokyi, E., **Twerefou, D. K.** (2016). The Effect of Foreign Aid on Economic Growth in Ghana. *African Journal of Economic Review*, Vol 4 (2), pp2 48-261
30. **Twerefou, D. K.**, Danso-Mensah, K. and Bokpin, G. A. (2017). The environmental effects of economic growth and globalization in Sub-Saharan Africa: A panel general method of moments approach. *Research in International Business and Finance*
31. Twerefou, D. K., Ayimpusah E. A., Owusu-Afriyie, J., Adjei-Mantey, J., Bokpin, G.A (2017). The contest for mineral wealth: an economic analysis of conflicts in Ghanaian mining communities. *International Review of Applied Economics*

32. **Twerefou, D. K.**, Adusah-Poku F., Bekoe W. (2016). An Empirical Examination of the Environmental Kuznets Curve Hypothesis for Carbon Dioxide Emissions in Ghana: an ARDL Approach. *Environmental and Socio-economic Studies*, 4, 4: pp 1-12
33. Rosenbaum S. M., Billinger S., **Twerefou D. K.**, Isola W. A., (2016). Income Inequality and Cooperative Propensities in Developing Economies. *International Journal of Social Economics*, Vol. 43, 2 pp. 1460 – 1480
34. **Twerefou, D. K.**, Chinowsky, P., Adjei-Mantey, K. and Strzepek, N. L. (2015). The Economic Impact of Climate Change on Road Infrastructure in Ghana. *Sustainability*, 7, 11949-11966.
35. **Twerefou, D. K.**, Appiah-Konadu P., Anaman, K. A. (2015). The Impact of International Trade on the Quality of Natural Environment: A Case Study of Ghana from 1970-2010. *Ghana Social Science Journal*, 12 (1), 1-21.
36. **Twerefou, D. K.**, Senadza B., Owusu-Afriyie, J. (2014). Determinants of poverty among male-headed and female-headed households in Ghana. *Ghanaian Journal of Economics*, 2, 77-96.
37. Twerefou, D. K. (2014). Willingness to pay for improved power supply in Ghana. *Modern Economy*, 5, 489-498.
38. Osei-Assibey, E., Bokpin, A. G., **Twerefou, D. K.** (2012). Microenterprise Financing Preference: Testing POH within the Context of Ghana's Rural Financial Market. *Journal of Economics Studies*, 29 (1), 84-105.
39. **Twerefou, D. K.**, Adjei-Ababio, D. (2012). An Economic Valuation of the Kakum National Park: An Individual Travel Cost Approach. *African Journal of Environmental Science and Technology*, 6 (4), 199-207.
40. **Twerefou, D. K.**, Turkson E. F., Darkwah, S. (2011). Baseline Study on the Compliance of the Ghana Business Code. *Journal of Regional Development*, 3 (1), 1-14
41. **Twerefou, D. K.**, Osei-Assibey, E. Agyire-Tettey, F. (2011). Land Tenure Security, Investment and the Environment in Ghana. *Journal of Development and Agricultural Economics*, 3 (6), 261-273.
42. **Twerefou, D. K.**, Fumey, A., Osei-Assibey, E., Asmah, E. (2010). Buoyancy and Elasticity of Tax: Empirical Evidence from Ghana, 1970 – 2007. *West Africa Journal of Monetary and Economic Integration*, 10 (2), 36-70.
43. **Twerefou, D. K.**, Agyire-Tettey, F. K., Mawutor, G. (2007). Energy Consumption and Economic Growth: Evidence from Ghana. *West Africa Journal of Monetary and Economic Integration*, 7 (2), 91-119.

44. Twerefou, D. K. (2007). An Assessment of Ghana's Efforts in Achieving Sustainable Development. *Legon Journal of International Affairs* (LEJIA), 4 (2), 53-83.
45. **Twerefou, D. K.**, Osei-Akoto, I., Achakoma, K. (2006). Determinants of Capital Structure Decisions of Listed Firms in Ghana. *West Africa Journal of Monetary and Economic Integration*, 6 (2), 76-98.
46. **Twerefou, D. K.**, Kwabi Nimo, M. (2005). The Impacts of Macroeconomic Risks on Asset Pricing in Ghana. *African Development Review*, 17 (1), 168-192.
47. Akoena, S. K. K., **Twerefou, D. K.** (2003). Energy Demand and Projections in the Manufacturing Sector of Ghana (2000-2020). *GIMPA Journal of Leadership, Management and Administration*, 2 (1), 42-62.
48. Akoena, S. K. K. and **Twerefou, D. K.** (2002). Improving Road Transport fuel Efficiency and Consumption in Ghana, *GIMPA Journal of Leadership, Management and Productivity*, 1(2), 1-19.
49. Twerefou, D. K. (2000). Cost Effectiveness of Utility Grid Extension Versus Photovoltaic Power. *Journal of Management Studies*, 17, 116-130.

Other (Publications)

Peer Reviewed Technical Papers

50. **Twerefou, D. K.**, Aryeetey E., Osei Baffour (2007). *Impact of Mining Sector Reforms on Output, Employment and Incomes, 1992-2002*. ISSER Technical Publication No. 75. ISSER, University of Ghana, Legon.
51. Aryeetey, E., Ramatu, M. A., Assuming-Brempong, S., **Twerefou D. K.** (2007). *The Organization of Land Markets and Production in Ghana*. ISSER Technical Publication No. 73, University of Ghana.

Working papers

52. **Twerefou D. K.**, Tutu, K. A. Owusu-Afriyie J. and Adjei-Mantey K. (2015). *Attitudes of Local People to Mining Policies and Interventions*. International Growth Center Working Paper, May, 2015, International Growth Center, London, UK.
53. Twerefou D. K. (2013). *Aid and the Environment in Ghana*, United Nations University, World Institute for Development Economic Research (UNU-WIDER) Working Paper No. 2013/123 November, 2013, UNU-WIDER, Helsinki, Finland.
54. Antwi-Asare, T., Cockburn J., Cooke E. A., Fofana I., Tiberti L., **Twerefou, D. K.** (2010). *Simulating the Impact of the Global Economic Crisis and Policy Responses on Children in Ghana*, Modelling Policies and Shocks (MPIA) Working Paper 2010-16, **Partnership for Economic Policy (PEP)**, University of Laval, Canada.

55. Twerefou, D. K. (2009). *A Study on Mineral Exploitation, Environmental Sustainability and Sustainable Development in EAC, SADC and ECOWAS Regions*. African Trade Policy Work in Progress No. 79. Addis Ababa, Ethiopia.
56. **Twerefou, D. K.**, Osei Kwadwo, E. and Turkson, E. F. (2007). *Labour Market flexibility and Employment and Income Security for Ghana*. Employment Policy Working Paper Series No. 1. Geneva: International Labour Organization, ISBN: 978 92-2 119608-2.

Conference Proceedings

57. **Twerefou, D. K.** Incoom G. K. P., (2009). *Sensitivity of Household Consumption patterns in Ghana*. International Conference on Applied Business Research organized by the Mendel University in Brno, Czech Republic, Kasetsart University, Thailand and the University of Malta from 21-25, September 2009 in Malta. ISBN: 978-80-7375-323-2.

10. CONFERENCES, WORKSHOPS, SPECIAL SEMINARS, ETC.

I. PAPERS PRESENTED

1. **Twerefou, D. K.**, Turkson, F. E., Frimpong-Wiafe B. nad Sarkwah S. Do Foreign (2019). *Do Financial Inflows Impact on Economic Growth? Evidence From Sub-Saharan Africa*. Paper presented at the International Conference on Regional Integration “Taking Action to Approaching Regional Integration: Africa, Mediterranean And European Union in a Global Age” 14-15 November 2019, Université Abdelmalek Essaâdi, Tangier, Morocco.
2. **Twerefou, D. K.** and Yankah D. O. (2015). *Estimating the Cost of Water Degradation and its Implication on Food Security in Ghana*. Paper presented at the International Conference on Right to Food, Food Security and Food Sovereignty organized by the Mendel University in Brno from 19–20, November, 2015, Lednice, Czech Republic.
3. **Twerefou, D. K.** Turkson, F. E. (2014). *Towards the Development of Sustainable Development Goals for the West African Sub-region*. Paper presented at the 7th Annual Colloquium of the Faculty of Social Sciences, University of Ghana from 15th -16th May, 2014 at ISSER Conference Complex, University of Ghana, Ghana.
4. Twerefou D. K. (2013) *Sustainable Development Goals (SDGs) for the West Africa Subregion*. A paper presented at the Africa Regional Consultative Meeting on the SDGs Experts segment organized by the UNECA from 31 October to 2 November, 2013, Addis Ababa, Ethiopia

5. Mustapha, M. and **Twerefou, D. K.** (2013). *Determinants of Climate Change Adaptation Strategies of Cereal Farmers in the Guinea Savannah Agro-ecological Zone of Africa: A Case Study of Savelugu/Nanton and Kumbungu Districts of the Northern Region in Ghana*. Africa Climate Conference 2013 held in Arusha, Tanzania 15-18 October 2013, Arusha, Tanzania.
6. **Twerefou D. K.**, Adjei-Mantey K., and Strzepek N. L. (2013). *The economic impacts of climate change on road infrastructure in Ghana*. Africa Climate Conference 2013 held in from 15-18 October 2013, Arusha, Tanzania.
7. **Twerefou, D. K.**, Senadza B. and Owusu-Afriyie, J. (2013). *Determinants of Poverty among Male-Headed and Female-Headed Households in Ghana*. 18th Annual Conference on Econometric Analysis and Policy Challenges in Africa organized by the Africa Econometric Society and the Department of Economics, University of Ghana from 24-26 July 2013 at the La Palm Royal Beach Hotel, Accra, Ghana.
8. Twerefou D. K., (2013). *Households' Willingness-to-pay for Improved Electricity Supply in Ghana*. 18th Annual Conference on Econometric Analysis and Policy Challenges in Africa organized by the Africa Econometric Society and the Department of Economics, University of Ghana from 24-26 July 2013 at the La Palm Royal Beach Hotel, Accra, Ghana.
9. Twerefou D. K. (2011). *Transition Towards Green Economy Within the Context of Poverty Reduction and Sustainable Development in the ECOWAS Sub-Region*. Paper presented at the Consultative meeting on the Review Report on Progress towards Sustainable Development in West Africa from 27-28 September, 2011 organized by the UNECA/ECOWAS at Mensvic Hotel, Accra, Ghana.
10. Twerefou, D. K. (2011). *Economic Implications of the Introduction of Emission Charges on Importation of Overaged/High Emitting Vehicles and as part of Road Worthiness Certification for Vehicles*. Paper presented at a Workshop on "Air Quality and Emission Policy" organized by the Ministry of Environment Science and Technology (MEST) at Alisa Hotel on 6th July, 2011, Accra, Ghana.
11. Twerefou, D. K. (2011). *The Impact of Mining on Sustainable Development in Ghana*. Paper presented at the 63rd Annual New Year School and Conference organized by the Institute of Continuing and Distance Education organized from 6-11, January, 2011, Accra, Ghana.
12. Twerefou D. K. (2011). *Improving the Implementation of the Sustainable Development Agenda in the West African Sub-region*. Paper presented at a workshop on "Sustainability and Maintenance" organized by the Budapest Business School from 7-10 November, 2011 in Budapest Business School, Budapest, Hungary.
13. Twerefou D. K. (2011). *Sustainable Development Implementation in Nigeria*. Paper presented at the Sustainable Conservation Workshop on the theme "Fast tracking

Sustainable Development in Nigeria ”organized by Thistles Praxis Consulting on Saturday, November 19, 2011 at Raddison Blu Hotel, Victoria Island, Lagos, Nigeria

14. **Twerefou, D. K.,** Turkson, F. E. and Darkwah, S. (2010). *Baseline Study on Compliance of the Ghana Business Code*. A paper presented at the 2010 International Conference on Applied Business Research (ICABR) from 28 November-3rd December, 2010, Raz Alhaim, United Arab Emirates
15. Twerefou, D. K. (2009). *Mineral Exploitation and Sustainable Development*. Paper presented at a Training Workshop on Trade and Environment for EAC and SADC organised by the United Nations Economic Commission for Africa from 27-29 May, 2009, Lusaka, Zambia
16. Twerefou, D. K. (2007). *Overview of the Polluter Pay Principle in Developing Countries*. Paper presented at the Policy dialogue organised by the Environmental Services Association of Ghana in collaboration with Business Support Advocacy Challenge Fund (BUSAC) and the Ministry of Local Government Rural Development and Environment at Fiesta Royale Hotel on 17th December, 2007, Accra, Ghana
17. Twerefou, D. K. (2007). *Mapping the Informal Economy in Ghana Today: Size, Structure, Composition and Contribution to Socio-Economic Development*. Paper presented at the ISSER-Merchant Bank Development Seminar Series 2007 at the British Council, 24th January, Accra, Ghana
18. Twerefou, D. K. (2006). *Efforts by the University of Ghana in Fighting HIV/AIDS*. Paper presented at a workshop organised by UNESCO-AWSE on the theme “Higher Education Science and Curricular Reforms: African Universities Responding to HIV/AIDS” from 11th –13th April, 2006, Nairobi, Kenya.
19. Twerefou, D. K. (2005). *Ghana’s Experience on Sustainable Development*. Paper presented at the Expert Group Workshop on “Sustainable Development”, organized by the United Nations Economic Commission for Africa (ECA) from 13-15 April, 2005, Addis Ababa Ethiopia.
20. **Twerefou, D. K.** and Osei Akoto, I. (2005). *Sustainability of Growth Dependent of wildlife exploitation*. Paper presented at a workshop on “Sustainability of Growth Dependent on Natural Resources in Ghana” organized by ISSER/DFID/World Bank on 24 February, 2005 at M-Plaza Hotel, Accra, Ghana.
21. Twerefou, D. K. (2004). *Corruption and Money Laundering in Ghana*. Paper presented at the workshop on “Capital Adequacy Standards and Good Corporate Governance in African” organized by the African Development Bank, African Peer Review Mechanism, Association of African Central Banks and in collaboration with the Federal Reserve Bank of New York and the Financial Stability Institute from 29th to November-1st December, 2002, Johannesburg, South Africa.

22. Twerefou, D. K. (2002). *Making pro-Poor expenditure Choices in Ghana*. Paper presented at a workshop on “Public Resource policies to benefit the poor” organized by the World Bank Institute from 17 May to 7th August at GIMPA, Accra, Ghana.
23. Twerefou, D. K., ‘Economic implications of the introduction of emission charges on importation of overaged/high emitting vehicles and as part of Road worthiness certification for vehicles’. A Paper presented at a Workshop on Air Quality and Emission Policy by the Ministry of Environment Science and Technology (MEST) at Alisa Hotel on 6th July , 2011

II. OTHER CONFERENCES/WORKSHOPS ATTENDED

1. Discussant of the paper Structural Transformation In Sub-Saharan Africa: The Regional Growth Poles Strategy at the 2011 African Economic Conference organized by UNECA/AfDB /UNDP in Addis Ababa, Ethiopia from 25-28 October 2011.
2. Discussant of three papers at a workshop on module development Organised by the UNESCO Bamako Cluster office in collaboration with the national Universities commission and the Association of African Universities in Accra from 7-8th march, 2008
3. *Co-Chair* of syndicate session on *industrialization, Technology and Environment* of a symposium on GPRS II organised by the National Development Planning Commission on 9 May 2006 at the Accra International Conference Centre, Accra.
4. Participant of a retooling workshop organised by the African Economic Research consortium from 27 February to 13 march, 2006 at the Intercontinental Hotel, Nairobi, Kenya
5. *Participant* of a Workshop on Employment Policy for Ghana organised by the Ministry of Manpower Youth and Employment at the Greenland Hotel in Swedru from 29-30, November, 2005
6. *Participants* of an Expert Group meeting on the Sustainable Development Report for Africa under the theme “Managing Land Based Resources for Sustainable Development” organised by the Sustainable Development Division of the United Nations Economic Commission for Africa from 22-23, October, 2005 an the United Nations Conference Centre, Addis Ababa, Ethiopia.
7. Participant of the Fourth Meeting of the Committee on Sustainable Development (CSD-4) organised by the Sustainable Development Division of the United Nations Economic Commission for Africa from 24-28, October, 2005 an the United Nations Conference Centre, Addis Ababa, Ethiopia.
8. *Participant* of a policy forum on the topic the monetary policy on Ghana’s term structure of interest rate: effects and implications, organized by the Institute of Adult Education on 26 th January 2005 at their conference hall
9. *Participant* of a training workshop on curriculum development for HIV/AIDS management in the world of work, by the Institute of Adult Education on 12th October, 2004 at kwabena Nketia Conference Hall of the Institute of African studies
10. *Discussant* of three papers presented at the international conference on “Ghana’s Economy at the Half Century” held at M-Plaza Hotel from 18-20 July 2004 by ISSER.
11. *Participant* of a training workshop on the socio-economic impact of HIV/AIDS organized by the Ghana AIDS Commission and Danida, 12-17, June 2003.

12. *Participant* of a meeting on “Civil Society Consultation on Mufti Donor Budget Support” organized by the Institute of Economic Affairs (IEA) and the Federal Republic of Germany on 26th June 2003 at the IEA conference room, Accra.
13. *Discussant* of a workshop on a proposal leading to a research on “ land policy reforms in Ghana”, organized by the Institute of Economic Affairs (ISSER), at the Twum Barima Hall on 31th April, 2003.
14. *Discussant* of a workshop on “The state of the Ghanaian Economy in 2002”, organized by ISSER, at the Twum Barima Hall on 14th April, 2003.
15. *Participant* of a workshop on “Encouraging complementarities between quantitative and qualitative poverty Appraisals”, organized by the Institute of Economic Affairs (ISSER), at the Twum Barima Hall on 21-22th May, 2003.
16. *Participant* of a workshop on “Capital flows to Sub-Saharan Africa” organized by the Institute of Economic Affairs (IEA), on 16th April, 2003 at their premises. The presenter was Dr. Oliver Morrissey, Director of CREDIT, University of Nottingham.
17. *Participant* of a National Conference on “Corporate Governance and Corporate Corruption in Ghana”, organized by the African Capital Market Forum on 10th December 2002 at La Palm Royal Hotel.
18. *Participant* of a workshop “Integrated Resource Planning” organized by Energy Commission from 27-28 August, 2002 at Novotel Hotel, Accra, Ghana.
19. *Participant* of a workshop on “Fighting Corruption With Effective Corporate Governance: The Role Of Business” organized by the African Capital Market Forum (ACMF) on October 15, 2002 at Miklin Hotel, Accra.
20. *Participant* of a Workshop on “Increasing Labour Demand and Labour Productivity in Ghana” organized by Centre for Policy Analysis (CEPA) at Novotel Hotel August 2000. The presenter was Dr. George Gyan-Baffour of Howard University in collaboration with Dr. Kwadwo Tutu and Dr. Kwabia Boateng of the University of Ghana.
21. *Participant* of a Workshop on “Equity and Growth through Economic Research in Africa Public Sector for Growth with Equity organized” by Centre for Policy Analysis (CEPA) at Novotel on June 5, 2000. the presenters were Dr. A. F. Gockel and Dr. Sam Ziorklui
22. *Participant* of a workshop on “New and used clothing footwear trade and industry in Ghana” organized by Green Earth Organization in collaboration with the Ministry of Trade and Industry and the Association of Ghana Industries from 13-14 April 2000 at Little Acre Hotel, Accra.

11. MEMBERSHIP OF BOARDS AND COMMITTEES

1. Member, UNESCO Commission for the Humanities, 09/2020 to date
2. Member, Academic Board, University of Ghana, 09/2003 to 09/ 2005 and from 09/2017 to date.
3. Member, Business and Executive Committee, University of Ghana, 09/2006 to date..
4. Member, College Academic Board, College of Humanities, University of Ghana 09/2017 to date..
5. Member, Committee established by the Vice Chancellor to privatize the University of Ghana Bookshop. 03/ 2015 to 07/2015
6. Member, Research and publication Committee, Department of Economics 09/2010 to 09/2013

7. Member, Academic Board, University of Ghana, 09/2003 to 09/ 2005 and from 09/2006 to date.
8. Member, Business and Executive Committee , University of Ghana, 09/2006 to date..
9. Member, Finance Committee, Department of Economics, 09/2010 to 09/2015
10. Chairman, Curriculum Review and Course Development Committee, Department of Economics 09/2013 to date
11. Member, Internal Management Committee, Department of Economics 2012 to date
12. Member, HIV/AIDS Coordinating Body of the University of Ghana. 06/2005 to 07/2008
13. Member, Faculty Board, Faculty of Social Studies. Legon, 09/2003 to 09/2005.
14. Member, Editorial Boards, Ghana Social Science Journal, Faculty of Social Studies. 09/2003 to 09/2005
15. Member, Academic Board, College of Agriculture and Consumer Sciences. 09/2003 to 09/2005.
16. Chairman, Computer Committee, Department of Economics. 2008 to date
17. Member, Management Board, Economic Policy Management Programme (EPM), Department of Economic. 02/2005 to 07/2005
18. Examination Officer, Department of Economics, 09/2004 to 09/2005
19. Member, Admission Board, University of Ghana, 09/2003 to 09/2004
20. Chairman, Research and Publications Committee, Department of Economics. 09/2005 to 09/2011.
21. Chairman, Library Committee, Department of Economics. 09/2000 to 2003 and 2012 to date
22. Member, Graduate Committees, Department of Economics, 09/2001 to 09/2003
23. Tutor, Legon Hall, University of Ghana, Legon, September. 2002 to date

12. EXTENSION SERVICES

1. External Examiner, Wisconsin University, 09/2020 to date
2. External Examiner, University of Professional Studies, 03/2020 to date
3. Member, Public Finance Management –Sector working Group (PFM-SWD), Ministry of Finance and Economic Planning, from 2011 to date
4. Member, Nationally Appropriate Mitigation Actions (NAMA) Investor Guide working Team under the Low emission capacity Building project, Environmental protection Agency / Ministry of Environment, Science, Technology and Innovation (EPA/MESTI), 2013 to date
5. Panel Member of the Ghana Banking Award 2002, organized by Corporate Initiative Ghana in collaboration with Association Of Ghana Industries (AGI) and the Ghana National Chamber of Commerce and Industry (GNCCI)
6. External Examiner, GIMPA, 05/2009to 03/2015.
7. “The Economy of Africa and the debt crises”, A Lecture prepared for a group of visiting Fulbright Hays Scholars from Universities and High Schools of Pennsylvania in the United States of America on July 9, 2004 at the University of Ghana, Legon
8. “The Economy of Ghana” An annual lecture for visiting students from the School for International Training (SIT), Vermont, Brattleboro, and USA at the Institute of African Studies, University of Ghana, Legon.

14. PERSONAL DETAILS

1. Full Name: Daniel Kwabena Twerefou
2. Date and place of birth: Koforidua, Ghana

3. Sex:	Male
4. Marital Status:	Married
5. No. of Children:	Three
6. Nationality:	Ghanaian
7. Religion:	Christian
8. Language:	Fluent in English, Russian and Twi

15. REFERENCE

Will be provided on demand