

University of Energy and Natural Resources, Sunyani, Ghana



Climate Change and Sustainable Development:
Strengthening Africa's Adaptive Capacity



International Conference
on Climate Change
& Sustainable
Development in Africa



25-28 JULY 2017

CONFERENCE PROGRAMME

EUSBETT INTERNATIONAL CONFERENCE HALL

(Tentative)

TUESDAY 25 JULY 2017

8:30 – 10:00 GMT

KEYNOTE PLENARY SESSION 1

Moderator

Dr. Leslie Danquah

Speakers

Prof. (Mrs.) Esi Awuah

Former VC, UENR

Presentation title

Water security, Sanitation and Africa's adaptive capacity

Mr. Edmund Ayamga

Environmental Superintendent, Newmont Akyem Gold Mine

Climate Change and forest reclamation: A practitioner's perspective

Dr. Emmanuel Marfo

Member of Parliament, Oforikrom Constituency, Ashanti Region, Ghana

Politics and Climate Change

Location

Conference Hall

SNACK BREAK

11:00 – 13:00 GMT

OPENING CEREMONY

Dr. Mary Antwi & Dr. Nana Sarfo Derkyi

Masters of Ceremony

Opening Prayer:

Rev. Dr. Isaac Ishmael Arthur
Chaplain, University Of Energy and Natural Resources

Introduction of Dignitaries

Rev. Dr. Phyllis Opare
Lecturer University of Energy and Natural Resources

Opening Remarks:

Dr. Mrs. Mercy Derkyi
Chairperson, ICCCSDA 2017 Local Organising Committee

Welcome Message:

Prof. Harrison Dapaah
ICCCSDA 2017, Chairman
Vice Chancellor, University of Energy And Natural Resources

Welcome Address:	Hon. Kwaku Asomah-Cheremeh Brong-Ahafo Regional Minister
Cultural Display:	Students of Don Bosco
Conference opening by Sector Minister	Hon. Matthew Opoku Prempeh Minister for Education, Republic of Ghana
Speech by special Guest	Her Excellency Mrs. Sun Baohong Chinese Ambassador to the Republic Of Ghana
Keynote Speaker:	Dr. Johnson N. Nkem Senior Climate Adaptation Expert, United Nations Economic Commission for Africa, Addis Ababa, Ethiopia
MCs	Messages from Sponsors (Videos/documentaries)
Special Guest of Honour:	Prof. K. Frimpong Boateng Minister For Environment, Science, Technology And Innovation, Republic of Ghana
Vote of Thanks:	Dr. Leslie Danquah
Closing Prayer	Ps. Anthony Baidoo
LUNCH BREAK	

14:30 – 15:00 GMT

KEYNOTE PLENARY SESSION 2

Moderator	Mr. Daniel Akoto-Sarfo
Speakers	Presentation title
Mr. Yaw Kwakye <i>Head, Climate Change Unit, Forestry Commission of Ghana</i>	The REDD+ strategy: opportunities and constraints in Ghana
Dr. George Ortsin <i>National Coordinator, UNDP GEF Small Grant Programme.</i>	Funding Opportunities for Climate Change Mitigation and Adaptation Projects
Dr. Emmanuel Opuni- Frimpong <i>Pro VC, UENR</i>	Forestry: A pivotal tool in Africa’s adaptive capacity
Location	Iroko

SNACK BREAK

16:00 – 17:30 GMT

SCIENTIFIC PARALLEL SESSION 1A

Theme: 1.0 Environment, Technology and Sustainable Development

Room: Mahogany

Moderator: Dr. Samuel Gyasi

Description

This theme is made up of sub-themes such as *Environmental Health, Sanitation and Climate Change Adaptation; Science, Technology and Geographic information Systems; Climate Change and Challenge for Local Communities; Built Environment, Transportation, Urbanization and Climate Change Adaptation; Climate Change, Sustainable Innovation, and Partnerships; and Climate Change and Information Communication Technology*

Waste Collection as a Strategy for Addressing Socioeconomic and Environmental Challenges in the Tshwane Metro, South AFRICA	Akwasi Arko-Achemfuor and Kofi Poku Quan-Baffour	South Africa
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Investigating institutional readiness in enabling adaptation to future changes in the climate within the semi-arid ecosystem farming communities of Northern Ghana	Mawulolo YOMO	Togo
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Short Range Weather Forecasting With GEONETCAST System	Caleb Mensah, Amos T. Kabo-bah, Mark Amo-Boateng, Kamila J. Kabo-bah	Ghana
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Mapping Deforestation in the Brong Ahafo Region of Ghana	Amos T. Kabo-bah, Mark Amo-Boateng, Kamila Kabo-bah, Simon Abugre, Julia Atayi	Ghana
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SCIENTIFIC PARALLEL SESSION 1B

Theme: 2.0 Renewable Energy, Resilient and Green Economies

Room: Iroko

Moderator: Dr. Francis Attiogbe

Description

This theme is made up of sub-themes such as *Water Resources, Water Security and Climate; Climate Change, Gender Intersectionality, Social, and Economic Issues; Finance, Green*

Economy and Poverty Alleviation; Clean Energy, Energy Policy, and Sustainability; Institutions, Governance and Climate Change Adaptation; and Climate, Business and Entrepreneurship.

Modeling the Impacts of Climate Variability on Salt Production in Ghana; the Case of the Songor Salt Project	Roland, A. Apambilla., b Erasmus H. Owusu., Rosina, A. Kyerematen., Charles, Ackah	Ghana
Estimation of Soil Moisture Content in Large and Small Scale Irrigation Schemes in Northern Ghana Using Remote Sensing Techniques	Ebbin Abaka-Yankson, Amos T. Kabo-bah, Frank Ohene Annor	Ghana
Thermodynamic Analysis of Integrated Solar-Combined Cycle System	Mariko Safiatou and Toure Hawoye Aissata	Algeria
Blending science and community voices for multi-scale disaster risk reduction and climate resilience: A Participatory Scenario Planning Approach	Alebachew Adem	Ethiopia

SCIENTIFIC PARALLEL SESSION 1C

Theme: 3.0 Agriculture, Aquaculture, and Natural Resources

Room: Ofram

Moderator: Dr. Phyllis Opare

Description

This theme is made up of sub-themes such as *Agriculture, Fisheries and Food Security in the Context of Climate Change; Green Revolution and Climate Smart Agriculture; Forest, Good Governance in Forestry and Climate Change; and Natural Resources and Climate Change Adaptation and Mitigation.*

Potentials of Bamboo-Based Agroforestry for Sustainable Development in Sub-Saharan Africa: A Review	Daniel Akoto Sarfo	Ghana
Building the Adaptive Capacity of Sahel Savannah Farmers through NGO-led Adaptation Interventions	Abdallah Tahiru, Prof. Brigid Sackey, George Owusu and Simon Bawakyillenu	Ghana

Soil Security for Water and Food Security: an adaptive continuum for sustainable development	Yawson, D.O., Armah, F.A., Adu, M.O., Frimpong, K.A.	Ghana
Effects of Agro-biodiversity Loss Adaptation Strategies on Food Security Perceptions among Smallholder Farming Households in the Northern region of Ghana	Issah Suhiyini, Alhassan; Yaw Bonsu Osei-Asare; John K.M., Kurwornu and Mohammed Tiyumtaba, Shaibu;	Ghana

18:00 – 19:30 GMT
Welcome Dinner

WEDNESDAY JULY 26, 2017
8:30 – 10:00 GMT

KEYNOTE PLENARY SESSION 3

Moderator	Dr. David Anafo
Speakers	Presentation title
Prof. Daniel Obeng-Ofori <i>VC, Catholic University College of Ghana</i>	Enhancing food security in Africa in the midst of Climate Change.
Dr. Obed Ogega	Funding opportunities for research in Climate Change and Sustainable development

CIRCLE programme, African Academy of Sciences (AAU)

Dr. Victor Agyeman

Director General, Centre for Scientific and Industrial Research

Climate change, sustainable development and industry: opportunities and threats.

Location

Mahogany

SNACK BREAK

11:00 – 12:00 GMT

SCIENTIFIC PARALLEL SESSION 2A

Theme: 1.0 Environment, Technology and Sustainable Development

Room: Mahogany

Moderator: Dr. Amos Kobo-bah

Description

This theme is made up of sub-themes such as *Environmental Health, Sanitation and Climate Change Adaptation; Science, Technology and Geographic information Systems; Climate Change and Challenge for Local Communities; Built Environment, Transportation, Urbanization and Climate Change Adaptation; Climate Change, Sustainable Innovation, and Partnerships; and Climate Change and Information Communication Technology*

The Dirty Oil Menace to Freshwater Resources in Ghana: A Call to Action

Kofi Poku Quan-Baffour and Akwasi Arko-Achemfuor

South Africa

Building the Adaptive Capacity of Sahel Savannah Farmers through NGO-led Adaptation Interventions

Abdallah Tahiru, Prof. Brigid Sackey, Prof. George Owusu and Simon Bawakyillenu

Ghana

Investigation of Flood Effects on Road Transport in the North Eastern Tanzania

Tendwa, O. M, Krygsman, S. C. Valimba, P.C

South Africa

Residential Demand Response Systems- Review
of Existing Infrastructure

John Ansu Gyabaa

Ghana

SCIENTIFIC PARALLEL SESSION 2B

Theme: 2.0 Renewable Energy, Resilient and Green Economies

Room Iroko

Moderator Dr. Leslie Danquah

Description

This theme is made up of sub-themes such as *Water Resources, Water Security and Climate; Climate Change, Gender Intersectionality, Social, and Economic Issues; Finance, Green Economy and Poverty Alleviation; Clean Energy, Energy Policy, and Sustainability; Institutions, Governance and Climate Change Adaptation; and Climate, Business and Entrepreneurship.*

Mine Water Management in the Mining Industry
of Ghana – A Case Study of
Newmont Akyem Gold Mine

Edmund Ayamga

Ghana

COSMIC-2 Programme and Future Prospects for
Climate Change

Amos T. Kabo-bah, Mark
Amo-Boateng, Kamila J.
Kabo-bah, Caleb Mensah

Ghana

Green Transformation and Sustainability of
Natural Capital in Biomass Economy: The Path
Forward For Africa

Okoh, Augustine I. Sadiq, Dr.
Francis Ogbale, Mailumo, A.
Daniel

Nigeria

International Climate Change Regime and the
Paris Agreement: Lessons from China and
Strategies for Ensuring Sustainable Economic
Development in Africa

Oluwatoyin Adejonwo-Osho

Nigeria

SCIENTIFIC PARALLEL SESSION 2C

Theme: 3.0 Agriculture, Aquaculture, and Natural Resources

Room: Ofram

Moderator: Dr. Cyril Quist

Description

This theme is made up of sub-themes such as *Agriculture, Fisheries and Food Security in the Context of Climate Change; Green Revolution and Climate Smart Agriculture; Forest, Good Governance in Forestry and Climate Change; and Natural Resources and Climate Change Adaptation and Mitigation.*

Food Security or Food Sovereignty: Examining the Shifting Mosaic of Africa's Food Blueprints	Ogwu, M. C., Ahana, C. M. and Osawaru, M. E.	Nigeria
Agronomic performance of Maize (<i>Zea mays</i> L.) under different rates of fertilizer application in the Nkoranza District of the Brong Ahafo Region of Ghana	Agyei-Ohemeng, J., Obeng-Ofori, D., Lartey, M., Opare, P., Cinquata, L. and Gianfranco, P.	Ghana
Smallholder Farmers' Perception on Climate Change And Adaptation Strategies Onof Rural Livelihoods In The Berekum Municipality	Akua Boatemaa Danquah, Mercy A.A. Derkyi and Michael Addaney	Ghana
Challenges and opportunities in inland peri-urban freshwater capture fisheries in developing countries	Beaven Utete, Crispin Phiri and Bernadette T Fregene	Zimbabwe

LUNCH BREAK

14:00 – 15:00 GMT

SCIENTIFIC PARALLEL SESSION 3A

Theme: 1.0 Environment, Technology and Sustainable Development

Room Mahogany

Moderator Dr. David Anafo

Description

This theme is made up of sub-themes such as *Environmental Health, Sanitation and Climate Change Adaptation; Science, Technology and Geographic information Systems; Climate Change and Challenge for Local Communities; Built Environment, Transportation, Urbanization and Climate Change Adaptation; Climate Change, Sustainable Innovation, and Partnerships; and Climate Change and Information Communication Technology*

Downscaling General Circulation Models to Predict Climate Change and Climate Variability Impacts on Hydropower in Ghana	Kofi A. Yeboah, Amos T. Kabo-bah, Eric O. Antwi and Chuks J. Diji	Ghana
Transport and Climate Change: Lesson for Africa	Christopher Adesola Wojuade	Nigeria
The Effects of Large-Scale Mining on Land Use and Land Cover Changes Using Remotely Sensed Data	Atayi, J.	Ghana
The Mining Industry and Climate Change – Study Of the Carbon Footprint of Newmont Akyem Gold Mine	Yaw Kyei Amoako	Ghana

SCIENTIFIC PARALLEL SESSION 3B

Theme: 2.0 Renewable Energy, Resilient and Green Economies

Room: Iroko

Moderator: Dr. Richard Bannor

Description

This theme is made up of sub-themes such as *Water Resources, Water Security and Climate; Climate Change, Gender Intersectionality, Social, and Economic Issues; Finance, Green Economy and Poverty Alleviation; Clean Energy, Energy Policy, and Sustainability; Institutions, Governance and Climate Change Adaptation; and Climate, Business and Entrepreneurship.*

Intake Flow Simulation and Optimisation for Akosombo Hydropower Project Using Computational Fluid Dynamics: Concept and Methodology	Martin Kyereh Domfeh, Samuel Gyamfi, Mark Amo-Boateng, Robert Andoh, Eric Antwi Ofofuo and Amos Kabo-bah	Ghana
Climate Change Adaptation: Determinants and Impact on Farm Households' Revenue in Northern Togo	ALI Essossinam	Togo
Eco-zone Mediated Differentials in Climate Change Risk Perception and Adaptive Capacity in Ghana.	Derkyi, M, Adiku, S.G.K and Koomson, D.	Ghana

Between Science and sustainability: Resource Efficiency of Dual Purpose Biomass Gasifier Stove.	Gilbert Ayine Akolgo A, Eric O. Essandoh A, David Anafo, Atta- Darkwa A, Ato Bart-Plangeb, Nicholas Kyei-Baffourb and Claudia Maria Branco De Freitas Maiac	Ghana
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Scientific Parallel Session 3C

Theme: 3.0 Agriculture, Aquaculture, and Natural Resources

Room Ofram

Moderator Dr. Cyril Quist

Description

This theme is made up of sub-themes such as *Agriculture, Fisheries and Food Security in the Context of Climate Change; Green Revolution and Climate Smart Agriculture; Forest, Good Governance in Forestry and Climate Change; and Natural Resources and Climate Change Adaptation and Mitigation.*

Effects of Agro-biodiversity Loss Adaptation Strategies on Food Security Perceptions among Smallholder Farming Households in the Northern region of Ghana	Issah Suhuyini, Alhassan; Yaw Bonsu Osei-Asare; John K.M., Kurwornu and Mohammed Tiyumtaba, Shaibu;	Ghana
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Climate Change and Challenge of Local Communities in 7 frontline states of Nigeria	Joseph E. Alozie	Nigeria
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Using Geographic Information Systems to study factors that may influence the distribution of major soil nutrients contents in the Northern Region of Ghana	M. Antwi, A. A. Duker, M. Fosu and R. C. Abaidoo,	Ghana
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Adverse impact of climate change on young people in three geographical locations of Ghana	Chibeze Ezekiel, Ibrahim Coker, Emmanuella Ontoyin, Patricia Bekoe, Benaiah Nii Addo Amankwuah	Nigeria
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SNACK BREAK

16:00 – 17:30 GMT

SCIENTIFIC PARALLEL SESSION 4A

Theme: 1.0 Environment, Technology and Sustainable Development

Room Mahogany

Moderator Dr. Michael Lartey

Description

This theme is made up of sub-themes such as *Environmental Health, Sanitation and Climate Change Adaptation; Science, Technology and Geographic information Systems; Climate Change and Challenge for Local Communities; Built Environment, Transportation, Urbanization and Climate Change Adaptation; Climate Change, Sustainable Innovation, and Partnerships; and Climate Change and Information Communication Technology*

Applications of fractal geometry in Climate Change studies	Kamila Justyna Kabo-bah1, Tang Guan, Liyang Xiong, Kai Liu	Ghana
Effect of Climate Change on Household Food Security and Livelihood, Ghana	Pentsil, S., Mensah, J.K., Sparkler, S.B., Appiah-Kubi, E., Essien, C., Asiedu-Opoku, E. Appiah, N., Konto, C. Acquah Britwum, S.	Ghana
Climate Change or Changed Climate? The Responses from Kumasi, Ghana	Isaac Addai	Ghana
Exploring Climate Change Awareness in Growing Urban Areas in Ghana: Perspectives of Households in the La Dade Kotopon Municipality	Addoquaye Tagoe, C and Kanyoke, B	Ghana

SCIENTIFIC PARALLEL SESSION 4B

Theme: 2.0 Renewable Energy, Resilient and Green Economies

Room: Iroko

Moderator: Dr. Eric Antwi

Description

This theme is made up of sub-themes such as *Water Resources, Water Security and Climate; Climate Change, Gender Intersectionality, Social, and Economic Issues; Finance, Green Economy and Poverty Alleviation; Clean Energy, Energy Policy, and Sustainability; Institutions, Governance and Climate Change Adaptation; and Climate, Business and Entrepreneurship.*

Utilizing Social Capital for Climate Change Adaptation Strategies: The Case of Selected Districts in the Northern Region of Ghana	Tahiru, A.	Ghana
Assessing the Impact of Climate Change and Variability on Wetland Maize Production and	Gaspard Rwanyiziri, Anatole Uwiragiye, Aline Mutabazi,	Rwanda

Food Security in Highlands and Central Plateaus of Rwanda	Sylvere Hategekimana, Joseph Tuyishimire	
Gender and Land Tenure Security; Non-Timber Forest Products in Off-Reserve Tree Farm Contributions to Rural Livelihoods	Baidoo, A, and Derkyi, M.	Ghana
The Sustainable Development Goals in the context of Ghana's mining water use: A case of equity or pipe dreams	Helen Mensah	Ghana

SCIENTIFIC PARALLEL SESSION 4C

Theme: 3.0 Agriculture, Aquaculture, and Natural Resources

Room: Ofram

Moderator: Dr. Simon Abugre

Description

This theme is made up of sub-themes such as *Agriculture, Fisheries and Food Security in the Context of Climate Change; Green Revolution and Climate Smart Agriculture; Forest, Good Governance in Forestry and Climate Change; and Natural Resources and Climate Change Adaptation and Mitigation.*

Pathological Status Of Plant Germplasm And Sustainable Crop Production And Conservation	Chime, A. O., Osawaru, M. E., Aiwansoba, R. O., Eke, M. O. and Ogwu, M. C.	Benin
Effects Of Some Climate Variables On Phenological Stages And Yield Of Groundnut (Arachis Hypogaea L) In The Humid South Western Nigeria	F. G. O.Oni and K. O. Oluwasemire	Nigeria
Socioeconomic indicators of bamboo use for agroforestry development in the dry semi-deciduous forest zone of Ghana	Daniel S. Akoto, Manfred Denich, Samuel T. Partey, Oliver Frith, Michael Kwaku	Germany
Off Farm Job as Climate Change Adaptation Strategy for Small Scale Rice Producers in the Volta Region of Ghana	Helena Oppong-Kyeremeh and Richard Kwasi Bannor	Ghana
Promoting Afforestation for Sustainable Communities Using Gamification	Mary Antwi Peter Appiahene	Ghana

THURSDAY JULY 27, 2017

8:30 – 10:00 GMT

KEYNOTE PLENARY SESSION 4

Moderator

Dr. Berchie Asiedu

Speakers

Dr. Joseph Cobbinah

President, CSIR College of Science and Technology

Presentation title

Towards improving Africa's Adaptive capacity: Country strategies and maximizing relationships with the UNFCCC

Prof. Samuel G.K. Adiku

Department of Soil Science University of Ghana, Legon

Fundamentals of climate change and a picture of Africa's vulnerability status.

Prof. Chris Gordon

*The Director,
Institute for Environment and Sanitation Studies, Ghana.*

Climate change and the Environment

Location

Mahogany

SNACK BREAK

11:00 – 12:00 GMT

SCIENTIFIC PARALLEL SESSION 5A

Theme: 1.0 Environment, Technology and Sustainable Development

Room: Mahogany

Moderator: Dr. Mary Antwi

Description

This theme is made up of sub-themes such as *Environmental Health, Sanitation and Climate Change Adaptation; Science, Technology and Geographic information Systems; Climate Change and Challenge for Local Communities; Built Environment, Transportation, Urbanization and Climate Change Adaptation; Climate Change, Sustainable Innovation, and Partnerships; and Climate Change and Information Communication Technology*

Applications of fractal geometry in Climate Change studies	Kamila Justyna Kabobah, Tang Guan, Liyang Xiong, Kai Liu	Ghana
Indigenous and Research-based Adaptation Strategies of Smallholder Women Rice Farmers to Climate Variability in the Northern Region, Ghana	Issah Suhiyini, Alhassan; Yaw Bonsu Osei-Asare; and John K.M., Kurwornu	Ghana
Impacts of Climate Change on Agrarian Infrastructure and Cascading Effects on Human and Economic Sustainability in Nigeria	Simi Sekyen Goyoll & Chaminda Pathirage	UK
Strengthening adaptive capacity of natural resource dependent communities: a paradigm shift for sustainability	David Oscar Yawson	Ghana

SCIENTIFIC PARALLEL SESSION 5B

Theme: 2.0 Renewable Energy, Resilient and Green Economies

Room: Iroko

Moderator: Dr. Samuel Gyasi

Description

This theme is made up of sub-themes such as *Water Resources, Water Security and Climate; Climate Change, Gender Intersectionality, Social, and Economic Issues; Finance, Green Economy and Poverty Alleviation; Clean Energy, Energy Policy, and Sustainability; Institutions, Governance and Climate Change Adaptation; and Climate, Business and Entrepreneurship.*

Looking beyond gender binary: Analyzing Climate Change Adaptation through the Intersectionality Lens	Derkyi, M., Mungai, C., Adiku, S. G. K., Nelson, V., Awuah, E., Dovie, D., and Codjoe, S.	Ghana
Warming Indian Ocean and Food Security Challenges in Global South: Indian Sub-Continent Perspective	Satya B Yadav,	India
Extent of Poverty and Inequality among Households in the Techiman Municipality of Brong Ahafo Region, Ghana	Richard Kwasi Bannor and Helena Oppong-Kyeremeh	Ghana

Energy Consumption Analysis And Olaniran, J.A. and Jekayinfa, Nigeria
 Environmental Burden Of Cassava Tuber S.O.
 Production In Southwest Nigeria

SCIENTIFIC PARALLEL SESSION 5C

Theme: 3.0 Agriculture, Aquaculture, and Natural Resources

Room: Ofram

Moderator: Dr. Leslie Danquah

Description

This theme is made up of sub-themes such as *Agriculture, Fisheries and Food Security in the Context of Climate Change; Green Revolution and Climate Smart Agriculture; Forest, Good Governance in Forestry and Climate Change; and Natural Resources and Climate Change Adaptation and Mitigation.*

The structure, composition and diversity of the tree community of Kumasi, Ghana Bertrand Nero Ghana

Building the Adaptive Capacity of Sahel Savannah Farmers through NGO-led Adaptation Interventions Abdallah Tahiru, Prof. Brigid Sackey, Prof. George Owusu and Simon Bawakyillenu Ghana

Diversity and Abundance of Bird Species in Mole National Park, Damongo, Ghana Agyei-Ohemeng, James, Danquah, Emmanuel, Adu Yeboah, Bright Ghana

Can an alien invasive species, *Broussonetia papyrifera*, enhance rural livelihoods? Owusu Dennis, Mercy Derkyi Ghana

LUNCH BREAK

14:00 – 15:00 GMT

SCIENTIFIC PARALLEL SESSION 6A

Theme: 1.0 Environment, Technology and Sustainable Development

Room Mahogany

Moderator Dr. Nana Sarfo Derkyi

Description

This theme is made up of sub-themes such as *Environmental Health, Sanitation and Climate Change Adaptation; Science, Technology and Geographic information Systems; Climate Change and Challenge for Local Communities; Built Environment, Transportation, Urbanization and Climate Change Adaptation; Climate Change, Sustainable Innovation, and Partnerships; and Climate Change and Information Communication Technology*

Fighting climate change, the role of the chemical scientist Michael Lartey Ghana

An Investigation into Building Occupants' Perceptions of Energy Efficiency in Residential Homes Designs In Ghana: Towards Reducing Electric Energy Wastage Mosner-Ansong, K.F., Duah, D. Ghana

Towards Environmental Sustainability: Bio-Climatic Design Features Of Residential Building Typologies In The Warm-Humid Climate Of Ghana Amos-Abanyie, S. and Botchway, E. A. Ghana

The Use of Urban Green Spaces as a Climate Change Adaptation Strategy in Ghana Juliana Opoku Nyarko Ghana

SCIENTIFIC PARALLEL SESSION 6B

Theme: 2.0 Renewable Energy, Resilient and Green Economies

Room: Iroko

Moderator: Dr. Samuel Gyamfi

Description

This theme is made up of sub-themes such as *Water Resources, Water Security and Climate; Climate Change, Gender Intersectionality, Social, and Economic Issues; Finance, Green Economy and Poverty Alleviation; Clean Energy, Energy Policy, and Sustainability; Institutions, Governance and Climate Change Adaptation; and Climate, Business and Entrepreneurship.*

Climate Change Adaptation And Maladaptation In Cocoa Production In Bia West District Of Western Region, Ghana Amoako, P. K., Opuni-Frimpong, E. and Sarfo, Y Ghana

Climate Change: A Threat to Food Security in Nigeria Uko-Aviomoh, E. E., Ogwuazor, K. E., Obot, I. M. And Onyekwuluje, C.O. Ghana

Food Security or Food Sovereignty: Examining the Shifting Mosaic of Africa's Food Blueprints Ogwu, M. C., Ahana, C. M. and Osawaru, M. E. Nigeria

Empowering citizens for common concerns Rafael Leal-Arcas UK

SCIENTIFIC PARALLEL SESSION 6C

Theme: 3.0 Agriculture, Aquaculture, and Natural Resources

Room Ofram

Moderator Dr. Amos Kabo-bah

Description

This theme is made up of sub-themes such as *Agriculture, Fisheries and Food Security in the Context of Climate Change; Green Revolution and Climate Smart Agriculture; Forest, Good Governance in Forestry and Climate Change; and Natural Resources and Climate Change Adaptation and Mitigation.*

Changing farm practices in the Transitional Ecological Zone in Ghana	Phyllis Bernice Opare, Johnson O. Akintonde, Daniella D. Sedegah, and Daniel Obeng-Ofori	Ghana
Residue Retention Practices for Carbon Sequestration of Some Ghanaian Soils: A Survey Of Willingness Towards Climate Change Mitigation	Owoade, F. M. Adiku, SGK, Atkinson C. J., Kolawole, G. O., MacCarthy, D. S. and Narh, S.	Ghana
Climate Change implications on biological control and hermetic storage technology for grain protection to improve food security in Ghana	Charles Adarkwah, Ernest Darkwah Yeboah; Samuel K. Aomaning and Daniel Obeng-Ofori	Ghana
The role of ICT in the management of natural resources. Case study of applying GIS and Social Media in the fight against illegal mining in Ghana	P. Appiahene and M. Antwi	Ghana

SNACK BREAK

16:00 – 17:30 GMT

SCIENTIFIC PARALLEL SESSION 7A

Theme: 1.0 Environment, Technology and Sustainable Development

Room Mahogany

Moderator Dr. Francis Attiogbe

Description

This theme is made up of sub-themes such as *Environmental Health, Sanitation and Climate Change Adaptation; Science, Technology and Geographic information Systems; Climate*

Change and Challenge for Local Communities; Built Environment, Transportation, Urbanization and Climate Change Adaptation; Climate Change, Sustainable Innovation, and Partnerships; and Climate Change and Information Communication Technology

Trends in Wet and Dry Spell days over selected towns in the Transition Zone of Ghana	Barnabas Bawilla, Bright Abisi Ackaah and Margaret Adobea Oduro	Algeria
Climate Smart and its effects on stored food grains in Ghana	Charles Adarkwah; Daniel Obeng-Ofori, Christian Ulrichs and Matthias Schöller	Ghana
Design Of An Axial Vortex Flow Controls (VFC) Device For Drainage Systems	Okley Samuel and Gilbert Ayine Akolgo	Ghana
Building the resilience of cities to the impacts of climate change through urban agriculture: A review of global best practices.	David Anafo and Gilbert Ayine Akolgo	Ghana
Capitalizing on Emerging Opportunities for Agricultural Production and Trade under Climate Change in Africa	Yodit Balcha	Ethiopia

SCIENTIFIC PARALLEL SESSION 7B

Theme: 2.0 Renewable Energy, Resilient and Green Economies

Room Iroko

Moderator Dr. Simon Abugre

Description

This theme is made up of sub-themes such as *Water Resources, Water Security and Climate; Climate Change, Gender Intersectionality, Social, and Economic Issues; Finance, Green Economy and Poverty Alleviation; Clean Energy, Energy Policy, and Sustainability; Institutions, Governance and Climate Change Adaptation; and Climate, Business and Entrepreneurship.*

Using Fractal Geometry to understand hydrological complexes of rivers	Kamila Justyna Kabo-bah, Tang Guan, Liyang Xiong, Kai Liu	Ghana
Measuring Smallholder Women Farmers' Adaptive Capacity to Climate Variability in Northern Region, Ghana: A Composite Index Approach	Issah Suhuyini, Alhassan and Mohammed Tiyumtaba, Shaibu	Ghana

Sustainable Development of Rural Community Gasification	Nana Sarfo Agyemang Derkyi, Sirinuch Chindaraksa and Somchai Jiajitsawat	Ghana
Gender and Land Tenure Security; Non-Timber Forest Products in Off-Reserve Tree Farm Contributions to Rural Livelihoods	Baidoo, A, and Derkyi, M.	Ghana
Sustainable Food Production In Nigeria: A Case Study for Bambara Groundnut (<i>Vigna subterranea</i> (L.) Verdt. Fabaceae)	Ogwu, M. C., Ahana, C. M. and Osawaru, M. E.	Nigeria

SCIENTIFIC PARALLEL SESSION 7C

Theme: 3.0 Agriculture, Aquaculture, and Natural Resources

Room Ofram

Moderator Dr. Eric Ofosu

Description

This theme is made up of sub-themes such as *Agriculture, Fisheries and Food Security in the Context of Climate Change; Green Revolution and Climate Smart Agriculture; Forest, Good Governance in Forestry and Climate Change; and Natural Resources and Climate Change Adaptation and Mitigation.*

Multiple Schemes Of Forest Landscape Restoration: Lessons from Ghana's Reforestation Programme	Derkyi, M., Koomson, D., and Kyereh-Boateng	Ghana
Supply Patterns of Timber at the Domestic Market in Ghana	Francis Wilson Owusu, Lawrence Damnyag, Emmanuel Marfo and Jerry Oppong Adutwum	Ghana
Diversity Complex of Plant Species Distribution in Taungya Plantation and Busunya Forest of the Nkoranza North District	Kwame Nkrumah Hope, Alex Otabil, Richard Nyarko and Dennis Okyere-Darko	Ghana
Effects of Climate Variability on Cocoa Yields for Dormaa West District of the Brong Ahafo Region of Ghana	Osei, Emmanuel Mireku	Ghana

Land Use Dynamics, Carbon Stocks And Soil Properties Associated With Oil Palm Cultivation In The High Forest Zone Of Ghana

Winston Adams Asante., Ernest Dwamena., Nicholas Jengre and Seth Kankam

Ghana

18:00 – 19:30 GMT

Closing Ceremony and Farewell Cocktail

THURSDAY JULY 27, 2017

7:30 – 12:00 GMT

CONFERENCE TOUR

Option 1: Tano-Boase sacred grove

Option 2: Ahafo Kenyase Mining site