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# AfriCLP REPORT









## Dr. Amollo Ambole

**COUNTRY: KENYA**

### Achievements

- Invited by the Water Institute at the University of North Carolina (USA) as a panelist in a panel whose theme was 'Increasing the Relevance of Science in Nexus Policy Making', at the Nexus Conference addressing the Water-Energy-Food and Climate on the 16th to 18th of April, 2018. She also presented on Community-Science-Policy: Making the Nexus Work
- Spoke about shaping sustainable urban futures in Africa through proactive science – practice –policy interface at the Seedbed conference in South Africa. May-18
- Blog: Lessons from Africa at the NEXUS 2018 conference
- Video: CoDEC Project Documentary featuring LIRA2030 and AfriCLP: <https://www.youtube.com/watch?v=LbdISJtsOgl&feature=youtu.be>
- <https://www.youtube.com/watch?v=LbdISJtsOgl>
- Selected as one of three fellows being hosted by

Leicester Institute of Advanced Studies (LIAS) at University of Leicester, UK.

- New Appointment: Associate, Institute of Climate Change and Adaptation, University of Nairobi, Kenya: May-19
- Editorial board member of Urban forum journal, Springer: Jun-2019
- Journal publication: Ambole, Musango, Buyana et al. September 2019. Mediating Household Energy Transitions through Co-Design in Urban Kenya, Uganda and South Africa. In Energy Research and Social Science, Elsevier: Sept-19 <https://www.sciencedirect.com/science/article/pii/S2214629619300386>
- Co-author - Draft report: Report title: 'Doing Science that Connects Policy Actions to Local Community Needs for Sustainable Development in African cities, Experiments led by African early career scientists.' The report will be presented at the UN High-level Political Forum set for the 9-18 July 2019 in New York.
- Panelist: 'Innovative Approaches to Integrated urban basic Services' panel at the First UNHabitat Assembly, Nairobi, Kenya: 27 May 2019.
- 'A Brighter Future – Youth, Innovation Ecosystems, and Development' panel at the United Nations – Science Technology and Innovation forum, New York, United States: 14-15 May 2019.
- 'Greening the Urban Through Participatory Research and Innovation' panel at the First Conference for Sustainable Urban Development by the Embassy of France, Nairobi, Kenya: 7-8 July 2018.

### Paper publication

- Kovacic, Zora, Josephine Kaviti Musango, Lorraine

Amollo Ambole, Kareem Buyana, Suzanne Smit, Christer Anditi, Baraka Mwau et al. "Interrogating differences: A comparative analysis of Africa's informal settlements." World Development 122 (2019): 614-627.

### Poster winner

- Grand Challenges poster prize during the 2019 Grand Challenges Annual Meeting in Addis Ababa. I won for "Best poster design" (29th October 2019). Poster title: Mediating household energy transitions through co-design in Africa: case studies in Kenya, Uganda, South Africa.

### Workshop participation

- Workshop: Leveraging planetary health in Africa for sustainable, healthy development
- African Academy of Sciences and Wellcome Trust Our Planet Our Health; Addis Ababa, Ethiopia. (October 31st, 2019)

### Appointment

- "Senior lecturer extraordinary" at the School of Public Leadership, Stellenbosch University. This is an honorary appointment in recognition of my research. It will take effect from 1st January 2020 to 31st December 2022.

### New research project (2019-2022)

- Principal investigator. Project title: 'Mainstreaming Gender for Energy Security in Poor Urban Environments'. This is a collaborative research project under the SA-Africa-UK Trilateral Research Chair funded by South Africa's Department of Science and Technology through the National Research Foundation and the British Council: <https://gens.sun.ac.za/>



## Paul Bassude

**COUNTRY: UGANDA**

### Achievements

- Selected to attend Network of Excellence on Land Governance in Africa (NELGA) Short Course from 11 – 15 February 2019, in Zanzibar – Tanzania
- Poster and Presentation at the Energy Modelling Platform for Africa (EMP-A), 1431 January 2019, UCT, Cape Town
- Considered topical summary submission for a chapter in the 2020 Elsevier publication (the Encyclopedia of the World's Biomes).
- Focus on Energy Landscapes, Jan-19.
- Blog on AfriCLP website, Jan-19
- Supervising 12 University student interns on placement at Uganda's Ministry of Energy and Mineral Development: Jan-19.
- I attended the Global Conference on strengthening Synergies between the Paris agreement and the 2030 Agenda, 1-3 April 2019 in UN City, Copenhagen, Denmark.
- Considered as an Expert Reviewer for the First

Order Draft (FOD) of the Working Group I (WGI) contribution to the Sixth Assessment Report (AR6): Jan-19.

- Part of the Climate Change Task Force for Uganda's Ministry of Energy and Mineral Development. This seeks to advance the institutional commitment and arrangements for mainstreaming climate action through the Climate and Disaster Risk Screening (CDRS) processes. The following is to be achieved:
  1. *Agree on embedding provisions for CDRS into the national budget and national planning circulars.*
  2. *Endorsement of the customized CDRS tools for Uganda's Energy and Mineral Development sector*
  3. *Agree on a rollout plan for the CDRS tools and processes for Uganda's Energy and Mineral Development.*
- 'Resilient water and energy systems: fed by local knowledge and led by local stakeholders' panel at the United Nations – Science Technology and Innovation forum, New York, United States: 5-6 June 2018.
- Workshop participation: 'EVERYDAY: Participatory Approaches to Green Energy Design - Design Residency' organized by the University of Edinburgh, United Kingdom in partnership with WISE Futures at the Nelson Mandela African Institution of Science and Technology: Arusha, Tanzania, 7-10 May 2019.
- 'Interdisciplinary Futures: Enhancing Research and Impact Through Collaboration' organized by Leicester Institute of Advanced Studies: Leicester, UK, 22 February 2019
- 'Resilient, Inclusive and Sustainable Cities' organized by University of Leicester: Leicester,

UK, 8-9, November 2018.





## Ms. Veronica Jakarasi Nonhlanhla

**COUNTRY: ZIMBABWE**

### Achievements

- Oral presentation on 'The reality and the rhetoric of integrating climate change adaptation into sectors'
- Attended the D&C plenary at COP24 that took place in Poland, Dec-18
- Business Council for Sustainable development Zimbabwe/Standards Association of Zimbabwe SDGS and ISO Standards Conference was held 12 February 2019 and I presented on "Mainstreaming Sustainable Development Goals in Financial Institutions - The Case of Infrastructure Development Bank Zimbabwe
- International Conference on Current Trends in Renewable Energy Technologies (ICCTR - 2018) was held by Harare Institute of Technology on 6-7 February 2019, I presented on "Funding and Associated Funding Models for Renewable

Energy".

- Participated in the United Nations Convention on Climate Change (UNFCCC) lead reviewers meeting from 13-14 March 2019, Bonn, Germany
- Presented at the OECD Climate Change Expert Group meeting on 27 March 2019, Paris, France on Challenges and opportunities for implementing Nationally Determined Contributions (NDCs).
- Organized and participated a Climate Finance Capacity Building Workshop supported by the Infrastructure Development Bank of Zimbabwe and the World Bank on 11 April 2019.
- Received a grant of US\$15 000,00 from Konrad Adenauer Stiftung (KAS) to develop a manual on Environment and Climate Diplomacy and trained Zimbabwean negotiators on the same on 9 and 10 May 2019.
- Nominated to the PANOS Institute of Southern Africa Board, an organization that gives the vulnerable and the voiceless a voice: May-19.
- Developed a Proposal on Gender which was accepted by HIVOS and funded up to 50 000 Euro, Jun-19.
- Published a Book chapter called "Climate Change Financing: Reflections from a Zimbabwe Context" in the book called Climate Change and Law in Zimbabwe: Concepts and Insights.



## Theresia Massoy

**COUNTRY: TANZANIA**

### Achievements

- Seconded to work as Agriculture Officer in promoting Good Agriculture Practices and Climate Smart Agriculture Specialist in UNJoint Programme:- FAO -Kigoma: Mar 2019.



**Mahugnon  
Serge Djohy**

**COUNTRY: BENIN/CABO VERDE**

## Achievements

- January 2018 - Appointed Sustainability Consultant for Africa Innovation Summit (AIS), at Ihaba Group. Lead the sustainability strategy of the Summit that took place in Kigali, Rwanda from 6th to 8th June 2018.
- May 2018 - Appointed Senior Energy Investment Expert, at EY Consulting. Leading the mid-term review of the 2016-2021 Renewable Energy Sector Support Program in Cape Verde, funded by Luxembourg Agency for Development Cooperation (LuxDev), [May-November 2018].
- November 2018 - Enrolled: PhD in climate finance and the development of Small Island Developing States (SIDS), University of Cabo Verde (UniCV).
- January 2019 - Appointed as member of the

Central Coordination Team (CCT) for drafting a Background Paper on "Youth and Climate Change Adaptation", with support from the Global Commission on Adaptation (GCA) and the Dutch Ministry of Infrastructure and Water Management. The paper has informed the Flagship Report of the GCA, which was launched at the UN Secretary General's Climate Summit in September 2019, in UNHQ, New York City. About the project: <https://www.youngadaptforourfuture.org/>

- 5 February 2019 - Attended a short online course on Climate Change Mitigation in Developing Countries: Mitigation Action Plans and Scenarios (MAPS), by University of Cape Town.
- 6 March 2019 - Discussant on a panel "Water scarcity and its impact on agriculture in Cabo Verde: challenges and perspectives" at the 1st International Forum on Water Scarcity in Agriculture, Praia, Cabo Verde, March 19-22, 2019.
- 7 April 2019 - Appointed Francophone Youth Representative to the 2019 ECOSOC Youth Forum, at the UN Headquarters at New York, April 8-9, 2019. During the forum, I have worked closely with UN Major Group on Children and Youth (UN MGCY) and the UNFCCC Youth Constituency (YOUNGO) Taskforce on reviewing the SDG13 (recommendations submitted to the Parties for the 2019 High Level Political Forum (HLPF), September 2019) to boost ambition and accelerate actions to implement the Paris Agreement.
- 8 May 2019 - Appointed Climate Finance Consultant, at Pegasys. Coordinating the AfDB Africa Climate Change Fund (ACCF)' funded project in Cape Verde: "Strengthening Capacity in Cape Verde for Green Climate Fund (GCF)

Resource Mobilization in the Strategic Sectors" (May 2019-February 2020).

- 9 June 2019 - Participation to the EU Horizon 2020 Research and Innovation Action CALL LC-CLA-05-2019 on Human dynamics of climate change, with an EUR 7 million project titled TRIO: "Turning Climate Risks into Opportunities through Climate Services" together with the Climate Service Center Germany (GERICS). I have been nominated to co-lead the Working Group 4: Climate Services Opportunities and Innovation and also to lead the case study on African Islands States. Note that our project was selected by the EU, which requested the full version of the project submitted in September 2019.
- 10 September 2019 - Panellist: Investing in agriculture and food security in Small Island Developing States (SIDS). Panel at the 1st International Forum on Food & Nutrition in Cape Verde, September 25 a 27, 2019, Achada Falcão - Cruz Grande, Santa Catarina, Santiago, Cabo Verde
- 11 October 2019 - Appointed as member of Climate Finance Taskforce (CFT) of Benin Delegation the UNFCCC COP25, to be held in Madrid, Spain, December 2-13, 2019
- 12 November 2019 - Appointed to the Young Steering Committee of the 9th World Water Forum (WWF), Dakar 2021.
- 13 November 2019 - Contribution to drafting the UNFCCC Youth Constituency (YOUNGO) Adaptation Working Group (WG) Policy Document for COP25, Madrid, Spain.





## Pardon Njerere

**COUNTRY: ZIMBABWE**

### Achievements

- Got a new job with IFAD as a Value Chain Specialist (Climate Smart Agriculture and Market Access)
- Attended a World Bank Course on Climate change modelling in the agricultural sector
- Draft report on climate financing produced
- Produce a handbook on leveraging climate financing for smallholder agriculture development in Zimbabwe. Orientation to climate finance sources for policymakers and practitioners
- Australian Awards- Won 10 000 Aus\$ implementing a 1 year project on Improving market access for smallholder farmers in a changing climate
- Capacity Building and Mentorship for 2 University students on thesis University students



## Kingsley Agyemang

**COUNTRY: GHANA**

### Achievements

- Promotion: April, 2018 Member, Agriculture, Forestry and Other Land Use (AFOLU) technical working group, Ghana.
- Promotion: October, 2018, Professional Member: African Conservation Tillage Network (ACT)
- Promotion: February, 2018 Climate Change Expert, Ghana Agricultural Sector Investment Programme –GASIP
- Produce Policy brief, with recommendation for institutional arrangement for efficient and sustainable climate information services delivery in Ghana: Integration of climate information services into third medium term plan of Ministry of Food and Agriculture, Ghana: <https://drive.google.com/open?id=1y1Dri87IZPFzbtQ7rVWzmCoWJXU56xDN>
- Inclusion of climate information service in climate

change focus areas of GASIP. As a result of this, GASIP is currently in partnership with Ghana Meteorological Agency to install 10 automatic weather stations in climate vulnerable landscapes of Ghana. Feb-19

- Admission at the University of Ghana to pursue PhD in Environmental Science, with specialisation in Climate Change July, 2019
- Applied for Rufford Small Grant to undertake this project;
- 'Conservation of the Endemic and Endangered Butterfish (*Irvineia voltae*) in the Volta Basin, Ghana' - My application was unsuccessful, however August, 2019
- Applied to New England Biolabs Foundation for a grant to undertake the project below:
- Using Culture and Faith to Save Evolutionary Distinct and Critically Endangered Crocodiles in Ghana - Selection process is ongoing. - I am expecting positive feedback on my application by the end of December, 2019. October, 2019
- Build capacity of 25 Agricultural Extension Agents (AEAs) from 5 Regions of Ghana on climate information services under the Ghana Agricultural Sector Investment Programme (GASIP)
- It was a training of trainers (ToT) workshop for the AEAs. November, 2019
- Appointed Environmental and Social Safeguards Officer for Ghana Peri-Urban Vegetable Value Chain Project - November, 2019



## Cynthia Mwandwe

**COUNTRY: ZAMBIA**

### Achievements

- Short course scholarship in climate adaptation and local resilience organized by the Hague Academy for local governance – The Netherlands
- July to December 2019: Nominated to attend a 5 months training course on improvement of rice production techniques in Africa under climate change conditions supported by JICA and facilitated by the Egyptian International Centre for Agriculture (EICA) in Cairo, Egypt
- October 2019: 5 weeks online course on social impact analysis provided by +Acumen



## Annie Mapulanga

**COUNTRY: MALAWI**

### Achievements

- Awarded U.S Borlaug Fellowship Program to attend GIS and remote sensing training in USA for three months: May-19.



## Prof. Berhanu F Alemaw

**COUNTRY: BOTSWANA**

### Achievements

#### Research Proposals

- Proposal preparation on Climate change adaptation, water and climate service provision in southern Africa; as part of submission for SASSCAL2 project call: May-2019. ):
1. Recent and future risks of climate-land-use interactions on water resources, biodiversity and ecosystem functions in Cubango-Okavango River Basin system (ExploreCORB) project
  2. Shared Aquifer Climate and Water Decision Support System – SACWDSS Project

#### Policy Proposals – Nov -2019

- Alemaw BF (2019) Draft Climate Change Adaptation Strategy In Agriculture And Agricultural Water Management In Botswana – Input To National Agricultural Policy Review,



AfriCLP Project, November 2019

#### Proposal Reviews: June-2019

- Royal Society Future Leaders – African Independent Research (FLAIR) Fellowship proposal reviewer. The programme is being run in partnership with the African Academy of Sciences (AAS) and the Royal Society, with support from the UK's Global Challenges Research Fund

#### IPCC Reviews/ Expert Reviewer: -Working Group II, Contributions to the 6th Assessment report of IPCC of the following chapters- Nov-Dec-2019:

- Chapter 4: Water
- Chapter 9: Africa
- Chapter 18: Climate Resilience Development Pathways

#### Supervision of SASSCAL Research Project 2019-2020

- Supervision of Research Project for MSc Degree in Spatial Sciences. Topic: Urban Analysis and Geospatial Assessment For Monitoring And Modelling Informal Settlements In Windhoek, Namibia.

#### Book edited and coauthored: Jan 2019-Dec 2019

- Jonathan I. Matondo, Berhanu F. Alemaw, WJP Sandwidi (eds) (2020) Climate Variability and Change in Africa: Perspectives, Experiences and Sustainability., Sustainable Development Series, Springer Nature Switzerland AG, pp210; DOI 10.1007/978-3-030-31543-6.

#### Book chapters authored or coauthored: Jan 2019-Dec 2019

- Alemaw BF, Matondo JI (2020b) Chapter 1, Overview of Climate Variability and Change in Africa: Perspectives and Experiences. In: Matondo, J.I., Alemaw, B.F. Sandwidi, J.P. (eds). Climate Variability and Change Research in Africa – Perspectives and Experiences. Sustainable Development Goals Series. Nature Switzerland AG; DOI 10.1007/978-3-030-31543-6
- Alemaw BF, Matondo JI (2020c) Chapter 6, Impacts of Possible Climate Change and Variability on the Water Resources of Southern African: a Regional Modelling Approach. In: Matondo, J.I., Alemaw, BF, Sandwidi, J.P. (eds). Climate Variability and Change Research in Africa – Perspectives and Experiences. Sustainable Development Goals Series. Nature Switzerland AG; DOI 10.1007/978-3-030-31543-6
- Alemaw BF (2020a) Chapter 7, Framework of Best Practice for Climate Change Adaptation in Africa: The Water-Development Nexus. In: Matondo, J., Alemaw, B.F. Sandwidi, J.P. (eds). Climate Variability and Change Research in Africa – Perspectives and Experiences. Sustainable Development Goals Series. Nature Switzerland AG; DOI 10.1007/978-3-030-31543-6
- Alemaw BF, NT Tafesse (2020f) Chapter 8, Groundwater Occurrence, Recharge and Productivity in Tertiary Volcanic Rocks of Ethiopia and Climate Change Implications. In: Matondo, J.I., Alemaw, B.F. Sandwidi, J.P. (eds). Climate Variability and Change Research in Africa – Perspectives and Experiences. Sustainable Development Goals Series. Springer Publishing, Nature Switzerland AG; DOI 10.1007/978-3-030-31543-6
- Alemaw BF, BK Podisi, S Mwale, T Simalenga. (2020e) Chapter 14, Climate Change Adaptation Research and Policy for Agriculture in Southern Africa (CCARPASA) – Evidence from Rainfed Systems. In: Matondo, J.I., Alemaw, B.F. Sandwidi, J.P. (eds). Climate Variability and Change Research in Africa – Perspectives and Experiences. Sustainable Development Goals Series. Nature Switzerland AG; DOI 10.1007/978-3-030-31543-6
- Alemaw BF, Simatela D. (2020d) Chapter 15, Integrating Climate Change Adaptation and Mitigation into Sustainable Development Planning: The Policy Dimension. In: Matondo, J.I., Alemaw, B.F. Sandwidi, J.P. (eds). Climate Variability and Change Research in Africa – Perspectives and Experiences. Sustainable Development Goals Series. Nature Switzerland AG; DOI 10.1007/978-3-030-31543-6









**Dr. Bernard  
Barasa**

**COUNTRY: UGANDA**

## Achievements

### Publication and writing

- Two manuscripts were developed and under peer review in international journals of high impact factor
- Of the submitted papers, one is in the final phase of publication -Environment, Sustainability and Development journal (<https://link.springer.com/journal/10668>)

### Futured papers

- Egeru, A.; Barasa, B.; Nampijja, J.; Siya, A.; Makooma, M.T.; Majaliwa, M.G.J. (2019). Past, Present and Future Climate Trends Under Varied Representative Concentration Pathways for a Sub-Humid Region in Uganda. Climate 2019, 7, 35.

- Twongyirwe, R., Mfitumukiza, D., Barasa, B., Naggayi, B. R., Odongo, H., Nyakato, V., & Mutoni, G. (2019). Perceived effects of drought on household food security in South-western Uganda: Coping responses and determinants. Weather and Climate Extremes, 24, 100201.
- Egeru, A., Bernard, B., Geoffrey, G., & George, O. L. (2019). Projected water resource dynamics in the sub-humid Upper Nile Water Management Zone of Uganda, East Africa. African Journal of Rural Development, 3(2), 753-760.

### Training and conference

- Attended Ecosystem Services Modeling short course in Bilbao in Spain. This was partly supported by AfriCLP: May-18
- Attended a workshop on climate change 5-7 Dec 2018 at Divecha Centre for Climate Change, IISC Campus, Bangalore in India where he presented a paper on his preliminary results: Dec-18

### Work related

- Elected Head, Department of Geography and Social Studies 2019-2023
- Appointed to be a Research Member, Faculty of Art and Social Studies Kyambogo University: Mar 2019.
- Appointed National Curriculum Reviewer (Climate, Environment fields), National Council for Higher Education Uganda
- Leader, Review of Master of Geography Programme Kyambogo University: March 2019.
- Appointed Research grant reviewer for Makerere University competitive grants - October 2019

### National and continent level works

- Undertaking capacity needs assessment for Emergency Preparedness and Response of Sierra Leone November 2019
- Development of Flood Emergency Plan for Kabuyanda irrigation scheme in Isingiro District, Uganda November 2019
- Development of Flood Management plan for Elegu border market zone for the Ministry of Trade and Industries, August 2019
- Development of wetland degradation and restoration maps for Ministry of Water and Environment, September November 2019
- Development Mitano River Catchment Plan (Albert Nile water management zone)
- Development of Arua Disaster Risk Atlas, August 2019
- Child-Centered Risk Analysis and Vulnerability Capacity Assessment, July 2019
- Development of National Disaster Atlas for Uganda March 2018-19



## Erick Omollo

**COUNTRY: KENYA**

### Achievements

- Poster presentation on 'Fodder production and marketing for enhanced livelihoods among pastoral and agro-pastoral communities in the southern dry lands of Kenya'
- Development of FodderNet app for improved fodder production and marketing/water access for pastoralists and agro-pastoralists of Kajiado-2018
- Website: FodderNet, <https://foddernet.com/>
- Combined Digital Platform and Collective Action: A Tool for Enhanced Fodder Production and Water Use among the Pastoral and Agro-Pastoral Communities in Kenya: <https://africlp.or.ke/combined-digital-platform-and-collective-action-a-tool-for-enhanced-fodder-production-and-water-use-among-the-pastoral-and-agro-pastoral-communities-in-kenya/>
- I hosted a Landscape Talk during the 2018 Global Landscape Forum, Nairobi, held on 29-30 August

2018 at the United Nations Headquarters in Nairobi: YouTube link to my Talk: <https://www.youtube.com/watch?v=DXUzRlfBSOY>

- Publishing a documentary on YouTube: FodderNet and collective action groups for Enhanced fodder production and marketing among pastoral communities in Kenya: <https://www.youtube.com/watch?v=oDOzxD1HWX4>
- About Adaptation Futures 2018 and lessons learnt
- AR6 Reviewer of Chapter 8 on Poverty, livelihoods and sustainable development, January 2019.
- Appointed a member of Thematic Working Group (Agriculture) for Kenya under Article 6 of the Paris Agreement, February 2019, in November 2019
- In November 2019, selected as a Research Associate at African Group of Negotiators Expert (AGNES)
- Now a registered PhD student at the university of Nairobi, Kenya. September 2019
- In September 2019 awarded a PhD scholarship under the Kenya Climate Smart Agriculture Project (KCSAP).
- Participated in PRECOP25 AGNES Agriculture and Gender Negotiators and Experts Strategy Meeting, 17-18 October 2019 at Eka Hotel, Nairobi, Kenya
- Participated in Writeshop on Unpacking IPCC Special Report on Climate Change and Land: Its Implications to Africa from 17th to 22nd November 2019 in Accra, Ghana.
- Acceptance of a peer reviewed journal article- International Journal of Environmental Protection and Policy, September-2019
- Lead author of peer- reviewed journal article which has been accepted for publication in the Journal of Agricultural Science and Practice- sept 2019. The article title: Mapping and

characterization of stakeholders in the fodder value chain in Southern Rangelands of Kenya: Understanding their roles, interactions and influences

- Submission of co-authored article to the Journal of Pastoralism and Policy, Sept-2019





**Mr. Stanley  
Jawuoro**  
COUNTRY: KENYA

## Achievements

- About Adaptation Futures 2018 and lessons learnt
- Development of FodderNet app for improved fodder production and marketing/water access for pastoralists and agro-pastoralists of Kajiado-2018
- Appointment as a qualitative research expert in a climate change and Gender project jointly implemented by the Kenya Medical Research Institute (KEMRI) and the University of California San Francisco (UCSF), funded jointly by the World Food Program (WFP) and World Health Organization (WHO)
- Re-appointment for 2 above, in 2019
- Appointment as a Senior Research Specialist for the International Rescue Committee (2019) for rural programs (agriculture, climate change and rural livelihoods) and urban programs (Economic

Development and Employment) for refugees and vulnerable Kenyan populations-June 2019

- Attending Adaptation Futures Conference, Cape Town, 2018
- Presentation of Abstract (Poster) at the Water Security and Climate Change Conference, Nairobi-2018
- Abstract Reviewer, Adaptation futures conference 2020 in New Delhi, India-2019
- Acceptance of a peer reviewed journal article- International Journal of Environmental Protection and Policy, September-2019
- Submission of co-authored article to the Journal of Pastoralism and Policy, Sept-2019
- Submission of a co-authored article to the Journal of Agricultural Science and Practice-sept 2019
- Registration for a PhD-Institute of Development Studies, University of Nairobi-2019



**Mr. Pierre  
Tovihoudji**  
COUNTRY: BENIN

## Achievements

- Developing decision support tools regarding fertilizer micro dosing under climate change scenarios: <https://africlp.or.ke/pierre-gbenoukpo-tovihoudji-research-fellow/>
- Graduated PhD from Université Catholique de Louvain (Belgium) and promoted to Assistant Professor at University of Parakou (Benin), December 2018.
- Appointed as a consultant in climate change impact and adaptation option evaluation for the PAS-PNA project funded by GIZ in Benin, January 2019.
- Co-Developed a Proposal on water management in Inland-valleys which was accepted by WBI and funded up to 320 000 Euro, January 2019.
- Received a grant of US\$11 000,000 from IFS on potential management options for enhancing soybean productivity in Benin, January 2019.



## Dr. David Olufemi Awolala

**COUNTRY: NIGERIA**

### Achievements

- Awarded a Post-Doctoral Research Fellowship of the 2019-2021 African Science for Weather Information and Forecasting Techniques (African SWIFT), under the Global Challenges Research Fund (UK-GCRF) at the Faculty of Environment, University of Leeds, United Kingdom (UK) in partnership with the Department of Meteorology, University of Nairobi, Kenya, and December 2018.
- Appointed Assistant to the Independent Consultant on AFT Grant's Concept Note and Technical Proposal Evaluation. African Development Bank (AfDB) AFT Grant Application in Support of Agribusiness in Africa. Funded by the African Development Bank (AfDB), Independent Development Evaluation Unit, Côte D'Ivoire (Jan., 05, 2019)

- Appointed Key Resource Person by the International Fund for Agricultural Development (IFAD) on "Climate Change Adaptation in Africa" in developing Strategic Partnerships with Nigerian Universities/Institutions, business Schools in using Adaptation, Knowledge and Expertise in IFAD COSOPs and Projects, January 2019.
- Appointed Country Manager, Climate Scorecard (Nigeria). The major role is to provide monthly reports on national actions and policy implementations towards achieving Paris Climate Agreement and send to the Climate Scorecard Head Office in publishing global spotlights reports. Climate Scorecard is a collaboration of The Global Citizens' Initiative (TGCI) and Earth Action, two nonprofit organizations whose missions focus on environmental protection and citizen engagement. The Spotlight Project is the third climate stabilization initiative led by TGCI and Earth Action, February 2019.
- Appointed Key Resource Person on Promoting Sustainable Agricultural Development in Nigeria using Value Chain Approach to Agricultural Managers and Officers at the States' Offices of Agricultural Development Projects (ADPs) and Polytechnics in Abuja, Nigeria, by Programme Manager at the House of Representative Committee on Agricultural Services, at the National Assembly Complex, Abuja: February 2019.
- Appointed, Alumni Coordinator of the UCAD-WASCAL-ZEF Graduate Research Program on Climate Change Economics in 2019, West African Science Service Centre on Climate Change and Adapted Land Use (WASCAL) at the Université Cheikh Anta Diop (UCAD) Dakar, Senegal in partnership with the Centre for Department

Research, University of Bonn, Germany. The major role is to build and coordinate research networks among WASCAL Climate Change Economics Alumni, share periodical updates on call for proposals, academic, research and conference information within members, and create working groups in responding to Calls for Proposals in climate adaptation finance for implementing adaptation projects for the West Africa continent region. This initiative is meant to coordinate regional capacity of 10-WASCAL member representative countries, namely Benin, Burkina Faso, Cape Verde, Cote D'Ivoire, Ghana, Mali, Niger, Nigeria, Senegal, and Togo to influence climate policy on adaptation and mitigation actions at both national and regional levels in West Africa.

### Published Articles:

- Awolala, D.O (2019). Evaluating Weather Information in taking Adaptation Decisions for Farmers Resilience in Ondo State, Nigeria. A book chapter in Filho, W. (Ed.) of "Climate Change Management Series," as further volume published by Springer International Publishing, Springer Nature Switzerland AG (In press).
- Awolala D.O. (2018). Climate Smart Adaptations in the African Tropics: Scaling Weather Information for Decision Support Outcomes in Nigeria Savannahs. In: Leal Filho W. (eds) Handbook of Climate Change Resilience, pp1-33. DOI: [https://doi.org/10.1007/978-3-319-71025-9\\_169-1](https://doi.org/10.1007/978-3-319-71025-9_169-1). Springer, Cham. Online ISBN 978-3-319-71025-9





## Abayineh Amare

**COUNTRY: ETHIOPIA**

### Achievements

- Developing decision support tools regarding fertilizer micro dosing under climate change scenarios: <https://africlp.or.ke/pierre-gbenoukpo-tovihoudji-research-fellow/>
- Accepted by the Integrated Research on Disaster Risk Programme (IRDR) young scientist program
- Graduated PhD from Addis Ababa University and promoted to Assistant: January 2019.
- Professor at Jimma University: March 2019.
- Index-based livestock insurance to manage climate risks in Borena zone of southern Oromia, Ethiopia, Climate Risk Management, 25, 2019 Article - Link: <https://doi.org/10.1016/j.crm.2019.100191> - 2019
- Selected for Guest Researcher to the Nordic Africa Institute (NAI) in 2020 under the Guest Researchers' scholarship program. This program allows me to spend the period October-December, 2020 as a Guest researcher at the

Nordic Africa Institute, Sweden. Guest researcher 2019

- Selected for Mentoring and Training program in IPCC processes for Early Career Mountain Researchers. This program is supported by the Swiss Agency for Development (SDC) and implemented in collaboration with the Mountain Research Initiative (MRI), University of Zurich, Helvetas, and ICIMOD. 2019
- Appointed as Senior Research Fellow to undertake a baseline and feasibility study on forestry and livelihoods in REDD+ investment in Ethiopia Consultancy July to December, 2019
- Appointed as Journal managing editor for Ethiopian Journal of Applied sciences and technology published under Jimma University Managing editor, 2019
- Received a certificate on DIES ProGrant Proposal Writing for Research Grants Training certificate September, 2019
- Received a certificate on Online Journal management Training certificate October, 2019
- Selected for IPCC-six report reviewer Reviewer 2019



## Dr. Chukwuemeka Jude Diji

**COUNTRY: NIGERIA**

### Achievements

#### Research

- Selected to speak at African Innovation Summit in Kigali, Rwanda from 6th to 8th June 2018, where he talked about climate change, human health and the challenges and opportunities of biomedical engineering and practice in Sub Saharan Africa
- Nomination: The Nigerian National Focal Point as an expert reviewer for the International Panel on Climate Change (IPCC) to the scoping meeting of the synthesis report of the Sixth Assessment Report (AR6) to be held in Singapore on the 21 - 28 October, 2019.



1. External reviewer for National institute of Health (NIH) mentored research grants programme, Building Research and Innovation in Nigeria Science (BRAINS) , for mentoring Junior faculties of the college of Medicine, University of Lagos, in collaboration with Northwestern University, Harvard University and APIN; 2015 – 2020. The grant is from the Department of Health & Human Services, NIH, Forgarty International Centre, ID43TW010134-01. Participated in the BRAINS mentoring reviewed for Year 05 Research Applications from 4th – 5th July, 2019.
2. Expert Reviewer for the Climate Research for Development (CR4D) research grant applications to strengthen link between climate science research and climate information needs to support development in Africa. The programme is an initiative of the African Academy of Science (AAS), the UK Department of International Development (DFID), Weather and Climate Information SERVICES for Africa (WISER) and the African Climate policy Centre (ACPC) of the United Nations Economic Commission for Africa (UNECA), March, 2019
3. Co – Principal Investigator, “NEST 360 – Scaling up a Neonatal Intervention Package” (2019 – 2022). The research involves scientific inquiry related to Newborn Essential Solution and Technology (NEST) to reduce newborn mortality in Malawi, Kenya, Tanzania and Nigeria. The project is funded by the MacArthur Foundation, the Bill & Melinda Gate Foundation, ELMA Philanthropies and the Children Investment Fund. The research is led by the William Marsh Rice University, Houston, TX, USA under the sponsored research agreement no. RO304. January – August, 2019
4. External assessor for promotion of academic staff of the Yaba college of Technology to the position of Senior Lecturer, June 2019
5. Session Chair (Numerical Simulation 3) and Member Technical Programme Committee, 14th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT 2019) Wicklow, Ireland, 22nd – 24th July, 2019
6. Zonal Project Coordinator (South – West, Nigeria) for consultancy services on comprehensive stock – taking of socio – economic facilities and infrastructures by the Federal Character Commission (FCC), The Presidency, Nigeria. July – August, 2019
7. Appointed Associate Professor of Mechanical Engineering and Deputy Vice – Chancellor for research, Innovation, Consultancy and Extension, Kampala International University October 2019 - Date



**Dr. Leonard Chauka**

**COUNTRY: TANZANIA**

## Achievements

- Published an article: <https://link.springer.com/article/10.1007/s13199-018-0584-x>
- November 2018
- AR6 Reviewer of Chapter 5 on Ocean Sciences January 2019
- Submitted Policy Review document to the department of environment, the Vice President Office of the United Republic of Tanzania. The policy review gives recommendations on the urgent need for coral reef restoration and conservation in Tanzania January, 2019
- Obtained further funding from Western Indian Ocean Marine Science Association to further his research activities on adaptation of coral reefs to climate change, January 2019. May 2019
- Exhibited at Dar es Salaam International Trade Fair (DITF). I showcased the research finding of

the project that was funded by AfriCLP June 29 to July 13, 2019

- My poster, which displayed finding of the project funded by AfrCLP was presented at 11th WIOMSA Symposium held at University of Mauritius from July 1 to 7. I did not attend as the Symposium dates collided with DITF. In such situation, the employer (UDSM) is given priority. I had to present by Poster July 1 to 7, 2019
- Accepted concept note by MeerWissen - African-German Partners for Ocean Knowledge. The proposal whose budget is 240,000 Euros is being developed. A workshop to harmonise accepted concept notes in German ended in December October 2019
- Promotion to Senior Lecturer- University of Dar es salaam October 2019. The work that was conducted through AfrCLP contributed significantly to the project. October 2019
- Published an article: <https://link.springer.com/article/10.1007/s10499-019-00472-5>
- This work does not relate directly to AfriCLP, but has a lot of skills obtained during the project November 2019
- Expected to write an article at WIOMSA newsletter with the title; "Climate change strikes harsher than anthropogenic pressure on Zanzibar's coral reefs" January 2020



**Dr. Chipo  
Plaxedes Mubaya**

**COUNTRY: ZIMBABWE**

### Achievements

- Promoted to Associate Professor-1 January 2020
- Reappointed country researcher on FRACTAL Bridging programme (extension) funded by DFID September 2019-December 2020
- Appointed co-researcher on a team on developing a NAP for Zimbabwe 2019-2022
- Invited to attend an EPIC Africa meeting in Durban in partnership with other southern African researchers and the Durban municipality-3-6 February 2020
- Awarded researcher on SIDA funded project on reviewing literature on farm sustainability and developing a research article as a deliverable in partnership with SLU March 2019-March 2020



**Dr. Mzime  
Ndebele-Murisa**

**COUNTRY: ZIMBABWE**

### Achievements

- Panel session presentation in ICLEI's Multi-level governance in enabling climate resilient development: Tackling it in Africa at the African Climate Risks Conference (Addis Ababa, Ethiopia), October 2019
- Regional Coordinator of the Swedish Metrological and Hydrological Institute's International Training Program on Climate: Adaptation and Mitigation (March 2019 to date)
- 1 journal publication
- Contribution to e-magazine issue on FRACTAL See: <https://www.weadapt.org/knowledge-base/cities-and-climate-change/prosus-3-building-resilience-in-southern-african-cities>
- Participation in the first ever Wikipedia edit-a-thon training by CDKN See: <https://cdkn.org>

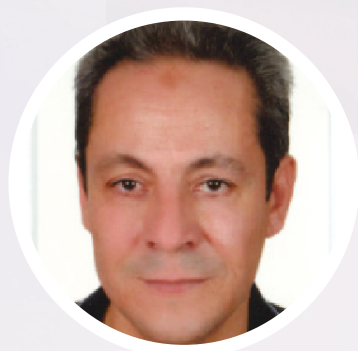


org/2019/12/news-new-cdkn-video-on-africas-first-wikipedia-edit-a-thon-on-climate-change/ and <https://start.org/news/reflections-on-the-first-ever-wikipedia-edit-a-thon-on-climate-change-in-africa/>



# CLIMATE INNOVATIONS

A photograph of several wind turbines silhouetted against a dramatic sunset sky. The sky transitions from deep blue at the top to vibrant orange and red near the horizon. The turbines are positioned at varying distances, creating a sense of depth. The overall mood is serene and hopeful, representing clean energy and sustainable innovation.



## Prof. Yacoubi Khebiza Mohamed

**COUNTRY: MOROCCO**

### Achievements

- Poster presentation on 'Water resources management and Eco hydrology under climate changes: a pilot study in a Biosphere Reserve from southern Morocco'
- About Adaptation Futures 2018 and lessons learnt
- The socio-ecological system of the Moroccan South Oasis Biosphere Reserve: Vulnerability and adaptation to climate change. Link: <https://africlp.or.ke/output-yacoubi-project/>
- Water resources management and Eco hydrology under global changes: a pilot study in a Biosphere Reserve from southern Morocco. Link: <https://africlp.or.ke/water-resources-management-and-ecohydrology-under-global-changes-a-pilot-study-in-a-biosphere-reserve-from-southern-morocco/>
- Seconded by the Moroccan government to attend COP24 in Poland, Dec-18
- Organization of the intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services-IPBES Fellows' Workshop was held from 23 to 26 April 2019 in Marrakech, Morocco: <https://www.ipbes.net/>
- Creation in Morocco of the African Center for Innovative and Sustainable Solutions (ACISS) in collaboration with United Nations Environment Program (UNEP) (<https://www.uca.ma/ACISS>), June 2019.
- Organization of the University of Young Leaders of the African civil society, Marrakech, 25 to 27 July 2019. (<https://www.cdrtmarrakech.org/>)
- Promotion at the position of Director of the Laboratory of Hydrobiology, Ecotoxicology, Sanitation and Climate Change (since January 2018) (<https://www.uca.ma/FSSM>)
- Co-ordination of the University of Koblenz Landau (Germany) -Cadi Ayyad University (Morocco): Economic development or environmental protection? An irresolvable conflict of interests? A case study of water use in the Draa-valley, Morocco. (240 000 Euro) (<https://www.uni-koblenz-landau.de/en/...landau/.../jun.../research>)
- Coordination the international Master 'Biodiversity, Climate Change & Sustainable Development', in collaboration with the University of Koblenz-Landau (Germany) (<https://www.uca.ma/FSSM>), March 2019.
- Ford Motor Company's Conservation and Environmental Grants in the Middle East and North Africa (2018) (<https://www.fordfoundation.org/work/our-grants/>), February 2019.





## Mr. James Wafula

COUNTRY: KENYA

### Achievements

1. August 2019: Gave one of two keynote presentations at the "Melia Volkensii" workshop at the College of Agriculture and Veterinary Services, UON. Also in attendance were scientists from Ghent University, Belgium. My presentation was titled "Climate change mitigation and adaptation in the Nzoia basin using vermitechnology - <https://africlp.or.ke/workshop-at-the-college-of-agriculture-and-veterinary-services-on-melia-volkensii/>
2. October 2019: Successfully completed an online course, Social Impact Analysis, provided by +Acumen through NovoEd. This 4-module introductory course taught how Acumen analyzes the social impact of their portfolio companies, and how those same building blocks can be applied to any socially focused project. (see attached)
3. June 2019: Selected as one of three external experts to provide a 5-year consultancy for Consumer Awareness and Communications Campaign Design and Implementation for the KENYA OFF-GRID SOLAR ACCESS PROJECT (Credit No. 6135KE; Project ID No. P160009) KE-MOE-49480-CS-QCBS
4. September 2019: Successfully completed two online courses, Next Production Revolution, provided by Politecnico di Milano and Politecnico de Torino.
  - a. *Enabling infrastructure in Africa for the Next Production Revolution*
  - b. *Enabling policies for innovation in the Next Production Revolution* (see attached)
5. In July 2018, 4 months into my project, I created a video clip that illustrates the sort of activities I am undertaking. Knowledge products James Wafula AfriCLP Vermicomposting Project [https://www.youtube.com/watch?v=1fOPQS\\_SQQI](https://www.youtube.com/watch?v=1fOPQS_SQQI)
6. Several groups and individuals have adopted the vermicomposting project. These include members of the Women Enterprise Fund, Kitale Branch. The group has since participated in several exhibitions. Exhibiting at the Kitale Agricultural Show October 2018 <https://youtu.be/bYflpGtJpFY>
7. At the inception of my Africlp project, I attempted to capture the spirit of activities with a compilation of videos. The video below was created a month into my project in May 2018. A compilation that illustrates the nature of my activities. [https://www.youtube.com/watch?v=hrG\\_edsqD4o&feature=youtu.be](https://www.youtube.com/watch?v=hrG_edsqD4o&feature=youtu.be)
8. A few months into my project, I created a Facebook page that carried all of my activities. <https://www.facebook.com/cheselemi/>
9. Newspaper article. In January 2019, the Daily Nation carried an article regarding my vermicomposting activities. <https://www.nation.co.ke/business/seedsofgold/You-can-still-catch-these-red-worms/2301238-4983866-view-asAMP-yjpg13z/index.html>
10. I Participated in the 2019 International Spring University (ISU) training on Ecosystem Services held in Bilbao Spain (<https://springuniversity.bc3research.org/isu-2019/>). A report of the workshop can be found at <https://africlp.or.ke/wafula-james-blogs/>
11. In June 2018, I was selected as a Lead Farmer for Sinyerere Ward of Trans Nzoia County for the Evergreen Agriculture Concept being spearheaded by the World Agroforestry Centre through an affiliate known as Zero2Heroes Ltd ([www.zerotwoheroes.co.ke](http://www.zerotwoheroes.co.ke)) (see attached)
  - AR6 Reviewer of Chapter 8 on Poverty, livelihoods and sustainable development, January 2019
  - Selected as a participant in the 2nd generation of Emerging African Innovation Leaders (AIL) under the G7 exchange and empowerment program for enabling innovation within the next production revolution (<http://www.africanlead.net>), January 2019.
  - Selected as a Finalist in the 2019 AILs Business Idea Challenge to be held at the UON in June 2019
  - Participated in the 2019 International Spring University (ISU) training on Ecosystem Services held in Bilbo Spain- <https://springuniversity.bc3research.org/isu-2019/> [https://mail.google.com/mail/u/0?ui=2&ik=0a2ed18b53&attid=0.1&permsgid=msgf:134399739850962619&th=16ae8de76aceb6bb&view=att&disp=safe&realattid=f\\_jw1sub9v0](https://mail.google.com/mail/u/0?ui=2&ik=0a2ed18b53&attid=0.1&permsgid=msgf:134399739850962619&th=16ae8de76aceb6bb&view=att&disp=safe&realattid=f_jw1sub9v0), May 2019.
  - Selected as a Lead Farmer for Sinyerere Ward



of Trans Nzoia County for the Evergreen Agriculture Concept being spearheaded by the World Agroforestry Centre through an affiliate known as Zero2Heroes Ltd in June 2019 [www.zerotwoheroes.co.ke](http://www.zerotwoheroes.co.ke)  
<https://mail.google.com/mail/u/0?ui=2&ik=0a2ed18b53&attid=0.1&permmsgid=msgbb61f5&view=att&disp=safe>

- Received four certificates so far in the ongoing ALL online training courses in May 2019. These are:
- Embracing the next production revolution for a new Africa narrative.* <https://www.pok.polimi.it/certificates/8e397b4b485746d48d13117d1928238f>
- Entrepreneurs without borders* - <https://www.pok.polimi.it/certificates/170de3dbf602460fb1a7f9095c353870>
- Introduction to Industrial Property: patents, designs and trademarks* <https://www.pok.polimi.it/certificates/b16600d005594eb88f25960c64e4459a>
- Technology clusters for the Next Production Revolution* - <https://www.pok.polimi.it/certificates/f82e0775ddee4fd4a60f00c1ca50e703>
- Made presentations to IDRC New Program Leader for Climate Change (Ottawa), Dr. Lisa Hiwasaki in Nairobi
- August 2019: Gave one of two keynote presentations at the "Melia Volkensii" workshop at the College of Agriculture and Veterinary Services, UON. Also in attendance were faculty from Ghent University, Belgium. My presentation was titled "Climate change mitigation and adaptation in the Nzoia basin using vermitechnology.
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  - Enabling infrastructure in Africa for the Next Production Revolution
  - Enabling policies for innovation in the Next Production Revolution



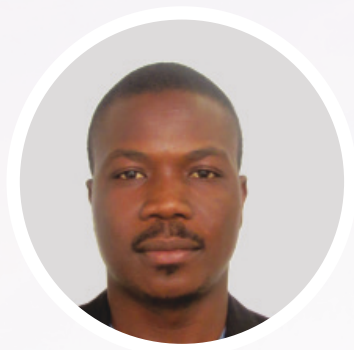
**Mr. Asaa  
Ngwabebho  
Nestor SR**

**COUNTRY: CAMEROON**

## Achievements

### Climate Innovations

- Accepted into World Energy Council's Future Energy Leaders programme (FEL-100) - Apr-18
- Accepted as an advisory mentor to the Queen of England's Young Leadership Programme since April 2018. He has been providing mentorship on renewable energy development to selected participants of the programme coming from various nations around the globe
- Currently developing my own consultancy firm- Green Solutions Ltd to provide technical advisory services relating to the renewable energy market in Africa and also to support Green growth strategies, January 2019.



## Dr. Galine Yanon

**COUNTRY: CHAD**

### Achievements

#### Climate Innovations

- Appointed as an Expert in climate information and services for the RISE II project funded by USAID in Burkina Faso and Niger, Senegalese Academy of Science best PhD since 2013. To be awarded during Academy of Science ceremony, awarded a certificate and 1,500,000 CFA (XOF) and several books: February 2019.



## Caroline Manei

**COUNTRY: KENYA**

### Achievements

#### Climate Innovations

New job - Regional Coordinator for Ecological Organic Agriculture Initiative in Eastern Africa Currently hosted by PELUM Kenya: February 2019

- Local Organizing Committee member for organizing the 1st International Agroecology Conference at Safari Park, Nairobi from 26th 29th June 2019.
- Won a grant on "Experiences on good practices to be capitalized in the face of climate change challenges" on September 2019.
- Successfully secured appointments with the ministers from EAC member states( Kenya, Uganda, Rwanda, Burundi and Tanzania) to lobby for support of EAC in regards to Agroecology in the region in September 2019.
- Submitted my paper to Journal of Pastoralism in October 2019



## Dr. Herbert Kasiita

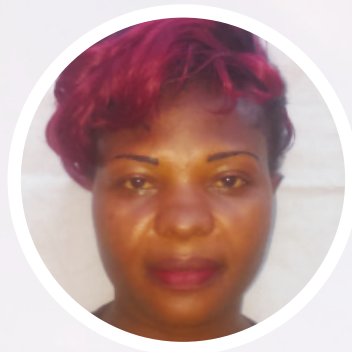
**COUNTRY: UGANDA**

### Achievements

- Completed: online climate change fellowship with Cornell University between March and May 2019
- Created Adcast-ug a mobile based application(ready for download in the google playstore) which offers timely advisory services in line with weather forecast to small scale farmers in pastoral communities of the Ugandan cattle corridor (2019)
- Carried out Livestock Emergency Guidelines and Standards training to 30 participants in Northern Uganda who deal with humanitarian interventions in livestock based communities in a bid to prepare them for climate risk management (2019)
- Attended the National Climate Change Dialogue as a key stakeholder in livestock ecosystems (2019)
- I joined the Global Water Partnership and attended the Annual partners networking meeting called follow the sun in partnership with UN-



Water. Am serving on the Innovations committee and climate change of the Uganda Water Partnership (2019)



## Charlotte Fonocho

**COUNTRY: CAMEROON**

### Achievements

#### Climate Innovations

- Attended Ocean Governance Short Course from September 3rd to 28th September, 2018 in Cape Town, South Africa



**Dr. Joachim Bonkougou**  
COUNTRY: BURKINA FASO

## Achievements

### Submission of communication

- Bonkougou J., Dorsouma A., Soumaré A., 2019. Intégration du changement climatique et de la croissance verte dans les opérations de la Banque Africaine de Développement, Deuxième conférence scientifique internationale sur le changement climatique 1er au 3 avril 2020 à Niamey, Niger, Centre Régional AGRHYMET, Comité permanent Inter-Etats de Lutte contre la Sécheresse dans le Sahel
- Bonkougou, J., zabre n., Sawadogo B., Compaore, J., Traoré, F. (2019). Impact of the governance on the resilience to climate changes of the classified forests and their riparians

au Burkina Faso, Deuxième conférence scientifique internationale sur le changement climatique 1er au 3 avril 2020 à Niamey, Niger, Centre Régional AGRHYMET, Comité permanent Inter-Etats de Lutte contre la Sécheresse dans le Sahel

- Bonkougou, J., zabre n., Sawadogo B., Compaore, J., Traoré, F. (2019). Impact of stakeholders' relationships on climate change adaptation/mitigation in Tiogo classified forest, Burkina Faso, West Africa, Adaptation Future 2020, India

### Communications

- Bonkougou, J., Compaore, J., Traoré, F. (2019). Planification de l'adaptation locale au changement climatique: étude de cas de la région de la «Boucle du Mouhoun» au Burkina Faso. Communication au Symposium International sur la Science et la Technologie, CNRST Ouagadougou 18-24/10/2019.
- Traoré, F., Compaore J., Bonkougou J., et al. (2019). Gestion de l'eau agricole de petites et moyennes retenues au Burkina Faso : cas de la retenue d'eau de Mogtedo. Poster présenté au Sommet International "Desertif'Actions" (D'A 2019), Ouagadougou 19-21 juin 2019
- Bonkougou, J. (2019). Comment réussir les transitions énergétiques et écologiques en Afrique. Communication au 2ème édition des Journées Africaines de l'Ecologie et des changements climatiques,
- Bonkougou, J. (2019). La Banque Africaine de Développement et les Contributions Déterminées Nationales: Second plan d'action changement climatique, la plateforme africaine des CDN et les mécanismes de financement climatique,

Communication à l'atelier régional de facilitation de la mise en œuvre des CDN, Bamako, 29-31 janvier 2019.

### Submitted papers

- BONKOUNGOU Joachim, SAWADOGO Boureima, ZABRE Nanawindin, DA Dapola, YAMBA Boubacar, 2019. Acteurs marginalisés de la Forêt Classée de Tigo au Burkina Faso, une mal adaptation au changement climatique, Revue de Géographie de Ouagadougou, accepted to be published in december 2019.
- Bonkougou J., Jérôme Compaoré, Farid Traoré, Olivier Beucher, Issa Bikienga, 2019. Analyse des conflits fonciers de la région de la Boucle du Mouhoun, au Burkina Faso, Revue Canadienne de géographie Tropicale, Université Laurentienne, Canada
- BONKOUNGOU Joachim, SAWADOGO Boureima, ZABRE Nanawindin, DA Dapola, YAMBA Boubacar, 2019. Dynamique spatiale de la forêt classée de Tiogo dans un contexte de gouvernance centralisée au Burkina Faso, Revue de géographie, Université de Bordeaux, France
- BONKOUNGOU Joachim, SAWADOGO Boureima, ZABRE Nanawindin, 2019: Development of an Inclusive Management Protocol for Classified Forests: An Alternative Management Tool for the Tiogo Classified Forest, Burkina Faso, submitted to Nature Science et Société, Université de Toulouse, France.

### Published papers

- Bonkougou, J., Compaore, J., Traoré, F., Beucher, O., & Bikienga, I. (2019). Analyse De Vulnérabilités Des Systèmes Agraires De La Région De La Boucle Du Mouhoun Au Burkina



Faso. *European Scientific Journal*, 15(2), 104–120. <https://doi.org/10.19044/esj.2019.v15n2p104>

- Bonkougou, J., Compaore, J., Traore, F., Sama, P., & Sawadogo, B. (2019). Atouts et faiblesses d'une gestion autonome des forêts classées impliquant les populations locales au Burkina Faso [ Strengths and weaknesses of autonomous management of classified forests by local populations in Burkina Faso ]. *International Journal of Innovation and Scientific Research*, 44(2), 195–200. Retrieved from <http://ijisr.issr-journals.org/abstract.php?article=IJISR-19-019-02>
- Traoré, F., Bonkougou, J., & Kouadio, L. (2019). Using Multi-Temporal Landsat Images and Support Vector Machine to Assess the Changes in Agricultural Irrigated Areas in the Mogteto Region , Burkina Faso. *Remote Sensing*, 11(1442), 18. <https://doi.org/10.3390/rs11121442>
- Illou, M., Bonkougou, J., & Souley, K. (2019). Evolution des ressources hydriques et foncières pour les cultures irriguées dans la Commune rurale de Dan Barto (Département de Kantché au Niger). *International Journal of Innovation and Scientific Research*, 40(2), 306–315.
- Compaoré, J., Bonkougou, J., & Illou, M. (2018). Communication dans la promotion des bonnes pratiques culturelles et agronomique du maïs au Burkina Faso: cas des producteurs de la province du Boulkiemde. *Voies/Voix et Aspect Du Discours*, 1.
- Compaoré, J., Bonkougou, J., & Traoré, F. (2018a). Les stratégies de communication dans la mise en oeuvre de l'assainissement total porté par les communautés (ATPC) au Burkina Faso: cas de l'Association les Mains Unies du Sahel (AMUS) dans la commune rurale de Saaba, région du Centre, Ouagadougou. *Lettre d'Ivoire*, 27,

253–263.

- Compaoré, J., Bonkougou, J., & Traoré, F. (2018b). The growth pole of Bagré: an analysis of the communication system around a national development project in the municipality of Bagré, province of Boulgou, central region of Burkina Faso. *International Journal of Asian Social Science*, 7(10), 776–789. <https://doi.org/10.18488/journal.1.2018.810.776.789>
- Mahamadou, I., Bonkougou, J., Souley, K., & Oumarou-Bagoudou, S. (2018). Analyse des contraintes foncières et culturelles du maraichage dans le département de Kantché au Niger : cas du périmètre irrigué de Tassaou. *European Scientific Journal* October, 14(30), 240–255. <https://doi.org/10.19044/esj.2018.v14n30p240>

### Blog

- Bonkougou, J. (2018). Rendre aux forêts leur rôle régulateur en impliquant les acteurs locaux dans leur gestion. *AFDB*, 5. <https://doi.org/10.3945/an.112.002154.506>. Wang

### Projects

- Concept note on Valorisation d'un modèle de gestion inclusive des forêts classées au Burkina Faso, submitted to Fonds National pour la Recherche et l'Innovation pour le Développement, Ouagadougou, Burkina Faso (not conclusive)
- Project on Implication of private sector (for profit institution) in classified forest inclusive management, Submitted to Echoing (results on 2020)
- Project on Valorisation d'un modèle inclusif de gestion des forêts classées au Burkina Faso, submitted to BIOPAMA (results on 2020)
- Project on validation and scaling up an inclusive

model of classified forest governance in preparation and plan to be submitted early in 2020 to DIV USA

### Others

- Climate change and green growth maintraining consultant for West Africa 2018-2019
- Mentor for ISNAD Africa (International Support Network for African Development 2019
- Reviewer of SIST (Symposium International sur la Science et la Technologie)
- Reviewer of *Revue de Science et Technique*, Institut des Sciences des Sociétés, Centre National de la Recherche Scientifique et Technique, Ouagadougou
- Reviewer of *Revue Africaine de Responsabilité Sociale et Management Durable*



**Dr. Stephen Yeboah**

**COUNTRY: GHANA**

## Achievements

- Attended a short course on Improving the Development Impact of Agricultural Research (IDIAR) organized by the University of Sydney and the University of Nairobi
- Appointment: Deputy Coordinator, CSIR College of Science and Technology, Department of Plant Resources Development, May 2019.
- Appointment: Lecturer, CSIR College of Science and Technology, Department of Plant Resources Development: May 2019.

## Papers /publications by title, and links to the papers

### 2019

1. Yeboah, S., Lamptey, S., Zhang, R., and Li, L (2019). Soil water content and photosynthetic gas

exchange of spring wheat under conservation tillage systems in the dryland western loess plateau area in china. Journal of Ghana Science Association. Vol. 18, No. 1, June 2019 Link: <http://www.ghanascience.org.gh/journal-vol-18-no-1-june-2019/>

2. Yeboah, S., Eyram, A. N., Oteng-Darko, P. and Francisco, R. P. (2019). Determinants of Nutritious Drought Tolerant Maize Adoption and Mineral Fertilizer Application under Smallholder Farm Conditions in Ghana. Journal of Agricultural Science. Vol. 11 (8): 121-130 Link: [https://www.researchgate.net/publication/334466793\\_Determinants\\_of\\_Nutritious\\_Drought\\_Tolerant\\_Maize\\_Adoption\\_and\\_Mineral\\_Fertilizer\\_Application\\_Under\\_Smallholder\\_Farm\\_Conditions\\_in\\_Ghana](https://www.researchgate.net/publication/334466793_Determinants_of_Nutritious_Drought_Tolerant_Maize_Adoption_and_Mineral_Fertilizer_Application_Under_Smallholder_Farm_Conditions_in_Ghana)
3. Lamptey, S., Yeboah, S., Zhang, R., and Li, L (2019). Soil water storage, leaf photosynthesis and grain yield of maize (Zea mays L.) as affected by different soil amendments. Journal of Ghana Science Association. Vol. 18, No. 1, June 2019 Link: <http://www.ghanascience.org.gh/journal-vol-18-no-1-june-2019/>

### 2018

1. Yeboah, S., Zhang, R.Z., Cai, L.Q and Jun, W. (2018). Different carbon sources enhance system productivity and reduce greenhouse gas intensity. Plant Soil Environment. Vol. 64 (10): 463-469. Link: [https://www.agriculturejournals.cz/web/pse.htm?type=article&id=83\\_2018-PSE](https://www.agriculturejournals.cz/web/pse.htm?type=article&id=83_2018-PSE)
2. Yeboah, S., Lamptey S and Zhang R. (2018). Effects of Different Tillage and Straw Management Systems on Soil Aggregation and Crop Yield in Rainfed Loess Plateau. Advances in Agricultural Science. Vol. 6 (03): 112-122. Link:

[https://www.agriculturejournals.cz/web/pse.htm?type=article&id=83\\_2018-PSE](https://www.agriculturejournals.cz/web/pse.htm?type=article&id=83_2018-PSE)

3. Lamptey, S., Li, L and Yeboah, S. (2018). Reduced tillage practices without crop retention improved soil aggregate stability and maize (Zea mays L.) yield. Ghana Journal of Horticulture. Vol. 13 (1): 66-80 Link: <http://www.journal.ghih.org/index.p?journal=ghih&page=article&op=view&path%5B%5D=25>
4. Yeboah, S., Lamptey, S and Zhang, R. (2018). Long-term straw retention drives carbon sequestration and crop productivity in dryland soils. Advances in Agricultural Science. Vol. 6 (04): 60-71 Link: <https://www.semanticscholar.org/paper/Long%E2%80%93term-straw-retention-drives-carbon-and-crop-in-Yeboah-Lamptey/fea79c735043c991a98d61e2d79b7314aa9392a7>
5. Yeboah, S., Lamptey, S., Cai, L and Song, M. (2018). Short-term Effects of Biochar Amendment on Greenhouse Gas Emissions from rainfed agricultural soils of the semi-arid Loess Plateau Region. Agronomy. Vol. 8 (74): 1-12. Link: [https://www.researchgate.net/publication/325199381\\_ShortTerm\\_Effects\\_of\\_Biochar\\_Amendment\\_on\\_Greenhouse\\_Gas\\_Emissions\\_from\\_Rainfed\\_Agricultural\\_Soils\\_of\\_the\\_Semi-Arid\\_Loess\\_Plateau\\_Region](https://www.researchgate.net/publication/325199381_ShortTerm_Effects_of_Biochar_Amendment_on_Greenhouse_Gas_Emissions_from_Rainfed_Agricultural_Soils_of_the_Semi-Arid_Loess_Plateau_Region)
6. Lamptey, L., Yeboah, S and Li, L. (2018). Response of Maize Forage Yield and Quality to Nitrogen Fertilization and Harvest Time in Semi-arid Northwest China. Asian Journal of Research in Agriculture and Forestry. Vol. 1(2): 1-10. Link: <http://www.journalajraf.com/index.php/AJRAF/article/view/139>



**Conferences/panelist****2019**

1. Yeboah, S (2019). Push-Pull innovation and new findings in Ghana. 23rd meeting of scientific conference of African Association of Insect Scientists (AAIS) scheduled. 18th - 22nd Nov. 2019 at Université Félix Houphouët-Boigny, Abidjan, Côte D'Ivoire. Link: <https://iapps2010.me/2019/06/07/abidjan-23rd-meeting-of-the-african-association-of-insect-scientists-november-18-22-2019/>
2. Yeboah, S., Oteng-Darko, P., Francisco, R. P. (2019). School Lunches - Reducing Malnutrition via Promoting Nutritious Pro-vitamin A Maize in Ghana. 4th Federation of African Nutrition Societies (FANUS), conference. Kigali-Rwanda 26th-29th August 2019. Link: <http://www.ansnet.org/en/news/the-4th-fanus-conference-in-kigali-rwanda/>
3. Yeboah, S., Puértolas, J., Oteng-Darko, P., Annan-Afful, E. and Dodd I. (2019). Evaluating the responses of Ghanaian rice varieties to alternate wetting and drying and continuous flooding. Eco-Innovation conference, 19-20 September. Lancaster University, United Kingdom. Link: <http://www.globalecoinnovation.org/ecoi2019conference/>
4. Puértolas, J., Oteng-Darko, P., Yeboah, S., Annor, B. and Dodd I. (2019). Assessing the optimal timing of partial root-zone drying alternation in tomato crops under furrow irrigation. IX Symposium on Irrigation organised by the International Society of Horticultural Science, Italy Link: <https://www.ishs.org/symposium/612>

**2018**

1. I. Dodd, M. Rufino, J. Puertolas, S. Yeboah (2018). Exploiting plant long-distance signalling mechanisms in agriculture. European Conference of Biotechnology, Geneva, Switzerland (1-4 July 2018) Link: <https://fems-microbiology.org/opportunities/18th-european-congress-biotechnology/>
2. Yeboah, S., Oteng-Darko P and Francisco Ribeiro P. (2018). Promotion and Dissemination of Drought Tolerant Quality Protein Maize in Ghana. 5th International Climate Change Adaptation Conference at Cape Town-South Africa. 18th -21st June, 2018 Link: <https://africlp.or.ke/af2018-cape-town/>

**Awards****2018**

1. Best Scientist-Senior Member Category, CSIR-Crops Research Institute

**Grants won****PROJECT COORDINATION AND IMPLEMENTATION**

- Principal Investigator: Urban Vegetable Production and its Contributions to Sustainability in Ghana. Funded by Future Earth (Paris-Hub)-2018-2019
- Team member: Forest Investment Programme (FIP). Funded by World Bank. 2018-2019
- Co-Principal Investigator: Recirculate-Water for Food Production. Funded by Global Challenge Research Fund. 2017-2022
- Principal Investigator: Building the Resilient of Maize Production Systems against Climate Change in Ghana. African Climate Change Leadership

**Program. 2017-2020**

- Principal Investigator: Farmer Participatory Variety Evaluation and Selection of high yielding stress tolerant maize varieties. International Institute of Tropical Agriculture. 2017-2019
- Principal Investigator: Promotional Literature and Audio-Visuals of Stress Tolerant Maize in the transition zone of Ghana. International Institute of Tropical Agriculture. 2017-2019
- Team member: Integrated approach for managing fall armyworm infestation in maize in Ghana. Alliance for Green Revolution of Africa. 2017-2020

**Videos: Produced from my AfriCLP project**

1. A video on Farmer field day to promote and disseminate quality protein maize uploaded on Youtube. 17th November, 2018. <https://youtu.be/KwMj-BFrMAU>
2. A video on Maize value chain Innovation platform meetings on production and marketing of quality protein maize uploaded on Youtube. 17th November, 2018. <https://youtu.be/wuGJqBpq1A0php?journal=ghih&page=article&op=view&path%5B%5D=25>
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