



Disruptive Agricultural Technology

Nairobi, Kenya 5–
6 April, 2019

Innovation Knowledge & Challenge Conference



Creating an Innovation Ecosystem to
Connect One Million Kenyan Farmers to
Disruptive Agricultural Technologies

#DisruptiveAgriTech

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Welcome Remarks: Hon. Mwangi Kiunjuri



The Government of Kenya, in partnership with the World Bank Group, Korea World Bank Partnership Facility (KWPF), and Kuza Biashara, welcomes you to Savannah Valley for the Disruptive Agricultural Technology Challenge and Conference 2019.

Kenya is beginning to ride a new wave of a technology revolution with skyrocketing cellular subscriptions (with 28.3M unique mobile subscribers, 60% penetration¹).

Today, Nairobi is the epicenter for technological innovation. Kenya's \$1 billion² tech hub is the home to hundreds of innovators, as well as global technology firms like IBM, Intel, and Microsoft. Our innovators are focusing their creative energies on challenges that matter most to Kenyans; we believe that no challenge is more significant than raising agricultural productivity and rural incomes. Whereas we have made progress in modernizing agriculture in Kenya, however, we have not yet reached our full potential.

To achieve this potential, we must do agriculture in a different way. The Agriculture Technology (AgriTech) innovators today are disrupting the conventions in agriculture by providing solutions to key constraints faced by farmers – financial, market information, data, and advisory services; therefore, supporting our farmers to leapfrog to new levels of productivity, efficiency, competitiveness, and income, improve nutritional outcomes and enhance resilience to climate change. Thus, Kenya is at the forefront of technology-driven transformation for small and marginal farmers on the continent.

The Agriculture Technology (AgriTech) revolution aligns well with the strategic objectives of the Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALF&I) as it allows us to create an enabling environment for agricultural development, increase productivity and output in the agricultural sector, improve market access and trade, and ultimately enhance national food security. The focus of these innovations has been smallholder agriculture which is in line with Kenya Vision 2030. Vision 2030 reiterates the importance of transforming smallholder subsistence agriculture into an innovative, commercially oriented, and modern sector³. These AgriTech innovations can also help achieve the first flagship goal of Agricultural Sector Transformation and Growth Strategy (ASTGS) 2019-2029, which aims to increase small-scale farmers income by targeting 1 million farmers⁴. Furthermore, the new-age innovators are attracting skilled youth to agriculture thus fulfilling Kenya's Youth Agribusiness Strategy which is aimed at providing new opportunities for youth in agriculture⁵.

MoALF&I is already leveraging technology to make value chains more efficient and reduce risks. MoALF&I is working with the Ministry of Information, Communication, and Technology (ICT) to register all farmers in the country, a move that is expected to boost service delivery to smallholder farmers.⁶ MoALF&I is also working with the World Bank on Kenya Climate Smart Agriculture Project (KCSAP) and National Agricultural and Rural Inclusive Growth Project (NARIGP) to find ways to make market linkages more effective through digital tools. The Kenyan Government, together with the Swiss Re Group, GIZ, World Bank and ILRI, is also implementing the Kenya Livestock Insurance Program (KLIP) since 2014. KLIP is an index-based livestock insurance program that uses satellite technology to protect pastoralists in the remote, arid and droughtprone rangelands of Kenya from the impacts of extreme weather.

Hence, the technology revolution has kickstarted well with contributions from all sector actors. All it needs now is a scale-up to multiply the impact. At the conference, the Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI) along with the World Bank Group will launch One Million Farmer Initiative. The One Million Farmer initiative aims to impact the lives of one million farmers in Kenya by leveraging the potential of disruptive technologies. To this end, the Conference will mobilize the agricultural

- 1 GSMA intelligence THE MOBILE ECONOMY SUB-SAHARAN AFRICA 2017.
- 2 <https://www.wired.com/story/kenya-silicon-savannah-photo-gallery/>
- 3 Kenya Vision 2030.
- 4 Agricultural Sector Transformation and Growth Strategy (ASTGS) 2019-2029.
- 5 <http://extwprlegs1.fao.org/docs/pdf/ken171450.pdf>
- 6 <https://www.standardmedia.co.ke/article/2001280282/government-to-collect-farmers-data-in-4-months>
<https://www.nation.co.ke/business/seedsofgold/Briefs-on-agricultural-news-/2301238-4354850-isnr5rz/index.html>

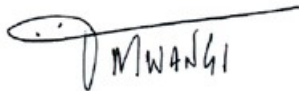
ecosystem to discuss the potential of disruptive technologies in Kenya. Innovators will get an opportunity to present their ideas and join the One Million Farmer Initiative. We believe that this Conference will build the momentum to scale-up the innovations and agricultural technologies by providing a historic platform that brings together global leaders, innovators, leading policymakers, development partners, and technology experts to discuss innovation for agricultural transformation in Kenya and beyond.

The two-day conference will provide an interactive experience through:

- The Disruptive Agriculture Technologies (DAT) Challenge will bring together over 20 inspiring innovators to pitch their Agritech solutions focused on smallholder farmers in Kenya
- 6-panel discussions drawing together 30+ experts in the Agritech field, covering a wide variety of topics, such as productivity, access to financial services and data policy for disruptive agriculture technologies
- The panel discussions and DAT challenge will provide a platform for all innovation ecosystem players to interact with one another, build a network of Agritech in Nairobi, find synergies to collaborate and grow together, further channelizing the investments to scale-up their operations.

I would like to close by highlighting that smallholder agriculture provides employment to 75% of the population and 80% of food supplies, but has limited access to finance, inputs, markets, information, and other services. Technology innovations can overcome all these challenges – but it won't happen automatically. We need to combine innovation, investment and policy to harness the power of the technology revolution to benefit smallholder farmers.

I urge you all to engage in the dialogue, share thoughts and ideas on the future of agriculture.



Hon. Mwangi Kiunjuri, EGH, MGH

Cabinet Secretary, Ministry of Agriculture, Livestock, Fisheries and Irrigation

Welcome Remarks: Carlos Felipe Jaramillo



I am pleased to welcome you all to the first ever Disruptive Agricultural Technology Challenge and Conference. At the World Bank Group, we are committed to ending extreme poverty and promoting shared prosperity.

Agriculture and food systems play a central role in meeting these goals. We know that Africa will be home to 2 billion people by 2050; over the same period, the number of Kenyans will grow to 85 million. Kenya's food production will therefore need to grow by 75% by 2030 to keep up with the additional food demand. On the supply side, Africa's agriculture and food business are projected to grow to 1 trillion dollars by 2030. Accounting for input supply, logistics, processing, packaging, trade, retail and other off-farm activities within value chains, agriculture remains the largest employer in Africa, with several emerging jobs and entrepreneurship opportunities for engaging technologically savvy youth. Indeed, these trends offer a unique opportunity to create high-quality jobs all along the agri-food system, spur farmer-centered technological innovation, and enhance agricultural productivity.

In Kenya, agriculture is the main contributor to the attainment of two of the pillars of the Government's Big 4 Agenda – manufacturing and food and nutrition security. The World Bank is currently supporting Kenya's food and nutrition security agenda through the following projects: Climate Smart Agriculture (US\$250 million), the National Agricultural Rural Inclusive Growth (US\$200 million), the Regional Pastoral and Livelihoods Resilience (US\$77 million), and two large-scale irrigation projects.

Innovation in agriculture is, without doubt, an important tool to tackle food security, and raise overall productivity and profitability in the agriculture sector. The range of AgTech innovations that can be employed to transform Kenya's agriculture is both exciting and endless. This includes weather data analytics, drones and satellites-based remote sensing and imagery, precision agriculture, Internet-of-Things (IoT) applications utilizing sensors for soil, water, plant and animal diseases, and fintech solutions for farmers, among many others. Low-cost digital technology represents a vast untapped potential for farmers, investors, and entrepreneurs in Africa.

Over the next two days, you will actively engage with each other on practical and actionable solutions to scale up innovations that have the potential to transform Kenyan agriculture and the challenges faced by farmers. However, developing AgTech innovations is not enough. Firstly, farmers need to be engaged and trained on how to effectively adopt them. Secondly, investors need to back the innovators to scale up. Lastly, governments need to create the policy environment and infrastructure that will encourage the large-scale use of these disruptive innovations. Reaching one million farmers with disruptive AgTech innovations seems ambitious, but I have confidence that the innovators and all actors in this conference will provide useful insights on how to attain these targets.

On behalf of the World Bank Group, I would like to congratulate all the finalists of the innovation challenge. Their business ideas and plans will contribute to the transformation of Kenya's agriculture, towards improved incomes for farmers, food security and job creation. Let me thank the Government of Kenya, the Korea-World Bank Group Partnership Facility, Kuza Biashara, Dalberg and many others who made this Disruptive Agricultural Technology Challenge and Conference possible.

A handwritten signature in blue ink, appearing to read 'Carlos Felipe Jaramillo'.

Carlos Felipe Jaramillo
Country Director, World Bank

Conference Description

The World Bank Group defines 'Disruptive Agricultural Technologies (DATs)' as digital and non-digital innovations that enable farmers and agribusinesses to leapfrog; thus, increasing their productivity, efficiency, and competitiveness, facilitating access to markets, improving nutritional outcomes and enhancing resilience to climate change. These agricultural technologies range from mobile apps to digital identities for farmers to solar applications for agriculture to portable agriculture devices to bio-fortified foods.

Kenya's agricultural sector has great potential to leverage disruptive innovations to achieve agricultural transformation. Kenya is the innovation hub of Africa – approximately 30 percent of Agri-tech start-ups in the continent are operating in Kenya¹. This new genre of DAT startups/innovators is thriving as they recognize unique local contexts and are catering to an average Kenyan smallholder farmer, while simultaneously using the world's cutting-edge technologies.

We believe that the timing for DATs to scale-up is ripe in Kenya. The World Bank Group's preliminary assessment shows that the DATs are instrumental in solving the challenges faced by farmers but are currently operating at a small scale. DATs have successfully piloted their solutions and are considering to scale-up. Falling cost of technology as an industry trend is further supporting the scale-up.

Crucial to scaling-up is an innovation ecosystem – an environment that enables innovators to engage in iterative processes². A vibrant innovation ecosystem is the one which systematically invests in knowledge, innovation, policies, capital and incubation in the country. Kenya already has a budding innovation ecosystem evident from the sudden surge in DATs in recent years. This existing system now needs to drive the scale-up of DATs.

The overarching goal of DAT Challenge and Conference is to strengthen the existing innovation ecosystem to allow DATs to seamlessly scale-up. Keeping this goal in perspective, the World Bank Group along with the Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI) and Korea-World Bank Partnership Facility is launching **One Million Farmer Initiative**. The initiative aims to develop a digital platform. The digital platform will bring together different disruptive technology innovators to offer an end-to-end platform solution keeping farmer's challenges as a focal point.

To mobilize knowledge for the platform thinking, four themes have been identified namely - Agricultural Productivity; Market Linkage; Farmer Financial Inclusion; Data Analytics and Intelligence. Along with these four themes, the discourse will include sessions to promote conducive policies and investment climate.

To mobilize innovators who will join the platform as the 'First cohort of innovators', the challenge will be organized around the four themes. The Challenge will see leading DAT innovators pitch their strategies with the chance of receiving performance rewards, acceleration funding, incubation, mentoring and financial support to scale up their innovations in Kenya.

Thus, the conference will lay the foundations for the innovations to scale up in Kenya by connecting a million Kenyan farmers to disruptive agricultural technologies.

- 1 20 percent headquartered in the country; Source: Preliminary findings from CTA/Dalberg report on "Digitalisation for Agriculture – Africa", 2019.
- 2 World Economic Forum, "Innovation with a Purpose", 2018.



Agenda: Day One

8.00–8.30

Registration

8.30–9.30

Welcome Remarks

Welcomed by: Prof. Hamadi Boga, Principal Secretary, Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI) & Jeehye Kim, Agriculture Economist, The World Bank Group

- Sidharth Chatterjee, United Nations Resident Coordinator
- Edson Mpyisi, Chief Financial Economist and Co-ordinator Enable Youth Programme, African Development Bank
- Sriram Bharatam, Founder & Chief Mentor, Kuza Biashara Limited
- C. Felipe Jaramillo, Country Director, The World Bank Group
- H. E. Wycliffe Oparanya, Chairman, Council of Governors (CoG)
- Hon. Prof. Margaret Kobia, Cabinet Secretary, Ministry of Public Service, Youth and Gender Affairs
- Hon. Joe Mucheru, Cabinet Secretary, Ministry of Information, Communications, and Technology (ICT)
- Hon. Mwangi Kiunjuri, Cabinet Secretary, Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI)

9.30–9.45

Background of DAT Challenge and Conference – Vision of One Million Farmer Initiative

Dr. Parmesh Shah, Global Lead for Rural Livelihoods & Agricultural Jobs, The World Bank Group

9.45–10.15

DATs' Role in the Kenyan Context

Michael Hailu, Director, Technical Centre for Agricultural and Rural Cooperation (CTA)
Michael Tsan, Partner, Dalberg

10.15–10.45

Coffee Break

10.45–14.30

Theme 1 – Agricultural Productivity

10.45–12.00

Moderators: Dr. Parmesh Shah, Global Lead for Rural Livelihoods & Agricultural Jobs, The World Bank Group & Michael Tsan, Partner, Dalberg

Knowledge Panelists:

- H.E. James Ongwae, Governor, Kisii County
- Dr. Eliud Kiplimo Kireger, Director General/CEO, Kenya Agricultural Livestock and Research Organisation (KALRO)
- Dr. Benjamin Kwasi Addom, Team Leader, ICTs for Agriculture, Technical Centre for Agricultural and Rural Cooperation (CTA)
- Janalize van Buuren, Divisional Sales Manager – East and Central Africa, John Deere
- John Logan, Country Director Kenya, TechnoServe
- Shaun Ferris, Director of Agriculture and Livelihoods, Catholic Relief Service
- Tania Lozansky, Senior Manager, International Financial Corporation (IFC)

12.00–13.00

Challenge: *How will your approach/innovation help ensure Kenyan farmers have achieved disruptive changes in productivity using the latest knowledge, training, practices, and data?*

Presentations and pitching by shortlisted innovators

13.00–14.15

Networking Lunch

14.15–14.30

Ignite Talk: Harnessing the Power of Communities

Sriram Bharatam, Founder & Chief Mentor, Kuza Biashara Limited

14.30–17.30

Theme 2 - Market Linkages

14.30–15.45

Moderator: Jeehye Kim, Agriculture Economist, The World Bank Group

Knowledge Panelists:

- H.E. Francis Thuita Kimemia, Governor, Nyandarua County
- Mary Nzomo, County Executive Committee, Trans Nzoia County
- Benjamin Makai, Senior Manager, Technology for Development, Safaricom
- Betty Kibaara, Associate Director, Rockefeller Foundation, Africa Region Office
- Castro Antwi-Dandso, Director of Sales and Marketing, ESOKO
- Mikael L. Clason Höök, Mastercard Foundation Rural and Agricultural Finance Learning Lab
- Sidhartha Samal, Digital Head, Africa & Middle East, OLAM

15.45–16.15

Coffee Break

16.15–17.15

Challenge: *Given the limited market linkages for both inputs and production, how can you facilitate linkages between buyers and sellers along the value chain?*

Presentations and pitching by shortlisted innovators

17.15–17.30

Ignite Talk: Disruptive Technology as Game-Changers for Small-Scale Agribusinesses

Tim Chambers, Co-founder & Managing Director and founder, InspiraFarms

17.30

Networking Cocktail

Agenda: Day Two

8.30–10.30

Theme 3 - Farmer Financial Inclusion

8.30–9.15

Moderators: Diego Arias, Lead Agriculture Economist, The World Bank Group & Naoko Koyama-Blanc, Partner, Dalberg

Knowledge Panelists:

- H.E. Francis Mwangi wa Iria, Governor, Murang'a County, Vice-Chairman of the Council of Governors
- Esther Kasalu-Coffin, Country Director, International Fund for Agricultural Development (IFAD)
- Leesa Shrader, AgriFin Accelerate Program Director, Mercy Corps
- Lucas Meso, Managing Director, Agricultural Finance Corporation (AFC)
- Reuben Gicheha, Program Officer, Financial Inclusion, Alliance for a Green Revolution in Africa (AGRA)

9.15–10.00

Challenge: *How can your innovation help to expand coverage of financial services to farmers, including credit, savings, and other financial services?*

Presentations and pitching by shortlisted innovators

10.00–10.30

Ignite Talk: Revolutionizing the Use of Data for Policymaking (The Case of Agriculture Observatory in Kenya)

Dr. Erick C.M. Fernandes, Global Lead - Technology, Innovation, & Climate-Smart Agriculture, The World Bank Group
Caroline Sartorato Silva Franca, Consultant, The World Bank Group

10.30–10.45

Coffee Break

10.45–12.45

Theme 4 - Data Analytics and Intelligence

10.45–12.00

Moderators: Ashesh Prasann, Agricultural Economist, The World Bank Group & Michael Tsan, Partner, Dalberg

Knowledge Panelists:

- H.E. Wycliffe Wangamati, Governor, Bungoma County & Chair, Council of Governors Committee - Finance, Planning, Economic Affairs, and ICT
- Boniface Akuku, Director of Information and Communication Technology (ICT), Kenya Agricultural & Livestock Research Organization (KALRO)
- Christophe Bocquet – Senior Data Scientist & AgriTech Lead, Dalberg Data Insights
- Debisi Araba, Director, International Center for Tropical Agriculture (CIAT)
- Kala Fleming, Founder, Diaspora AI
- Dr. Ladisy Komba Chengula, Lead Agriculture Economist, The World Bank Group
- Stewart Collis, Senior Program Officer, Digital Agriculture Solutions, Gates Foundation

12.00–12.45

Challenge: *How can you increase access to low-cost and accessible data in agriculture or use existing data to enable other entities to better serve farmers?*

Presentations and pitching by shortlisted innovators

12.45–13.45

Networking Lunch

13.45–14.45

Investment Roundtable

Moderator: Tim Smyth, Kuza Biashara Limited

Knowledge Panelists:

- Anup Jagwani, Principal Investment Officer, International Finance Corporation (IFC)
- Martine Jansen, Manager Data-Driven Innovation, Rabobank Foundation
- Olukemi Dolly Afun-ogidan, Principal Agribusiness Officer, African Development Bank
- Sandeep Khapre, CEO, Binder Dijker Otte (BDO)
- Shudhan Kohli, Co-Founder, and CEO, Grey Elephant Ventures

14.45–15.45

Policies for Disruptive Agriculture Technology

Moderator: Arif Neki, Senior Advisor – UN Strategic Partnerships, Coordinator – SDG Partnership Platform, UN Resident Coordinator's Office

Knowledge Panelists:

- H.E. Muthomi Njuki, Governor, Tharaka Nithi County & Council of Governors Committee on Agriculture
- Prof. Hamadi Boga, Principal Secretary, Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI)
- Mr. Jerome Ochieng, Principal Secretary, Ministry of Information, Communication, and Technology (ICT)
- Andrew Karlyn, Strategic & Learning Lead, AgriFin Accelerate at Mercy Corps
- Mulat Demeke Desta, Senior Policy Officer, Food and Agriculture Organization (FAO)
- Philip Thigo, Technical Advisor - Data & Innovation, Office of the Deputy President

15.45–16.00

Synthesis Session

Summary of the Two Days

Michael Tsan, Partner, Dalberg

16.00–17.00

DAT Awards and Closing Remarks

Closing Remarks

Simeon Kacou Ehui, Director, The World Bank Group

Jury's Reflection on Challenges

Jury Representatives

Awards: One Million Farmer Initiative 'First Cohort Awards'

Dina Umali-Deininger, Practice Manager, The World Bank Group

Thank You Note

- Parmesh Shah, Global Lead for Rural Livelihoods & Agricultural Jobs, The World Bank Group
- Prof. Jerome Ochieng, Principal Secretary, Ministry of Information, Communication, and Technology (ICT)
- Prof. Micheni J. Ntiba, Principal Secretary - Fisheries, Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI)

Session Descriptions

Background of DAT Challenge and Conference – Vision of One Million Farmer Initiative

This session will lay out the vision of the One Million Farmer Initiative. The initiative aims to provide solutions to the challenges faced by farmers by developing a digital platform. The platform will bring together different disruptive technology innovators to offer an end-to-end platform solution keeping farmer's challenges as a focal point. The Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI) of Kenya, along with the World Bank Group and the Korea-World Bank Partnership Facility are the key partners of the initiative.

DATs' Role in the Kenyan Context

CTA, the Technical Centre for Agricultural and Rural Cooperation, will be presenting the findings from their most recent study on Digitalization for Agriculture. This study highlights the role digital AgTech companies play in increasing profitability and productivity of smallholder farmers by allowing them to leverage digital solutions in the Kenyan context. It will set the stage for the following sessions, which will delve deeper into each of these areas with key experts and practitioners.

Theme 1 – Agricultural Productivity Knowledge Panel and Challenge

Knowledge Panel: This panel will bring together experts to discuss the different types of disruptive solutions in the market that facilitate the delivery of extension services, climate-smart agriculture advisory, data, and mechanization services directly to farmers. These services are important because they facilitate improved productivity in farming operations by providing tailored, credible feedback to farmers on what they should do in real-time. The panelist will also discuss the potential impact of the DATs in addressing the agricultural productivity challenges.

Challenge: Following the panel, there will be a pitch session from innovators where they will answer:

How will your approach/innovation help ensure Kenyan farmers have achieved disruptive changes in productivity using the latest knowledge, training, practices, and data?

Theme 2 – Market Linkages Knowledge Panel and Challenge

Knowledge Panel: This panel will explore the various disruptive AgTech solutions that exist, that connect Kenyan farmers willing to sell their produce to buyers both in local and international markets. Bridging the gap between buyer and seller is vital for fostering and increasing the economic activity and the productivity of the sector, especially given the context where currently farmers struggle to reach the market.

Challenge: Following the panel, there will be a pitch session from innovators where they will answer:

Given the limited market linkages for both inputs and outputs, how can you facilitate market links between buyers and sellers along the value chain?

Theme 3 – Farmer Financial Inclusion Knowledge Panel and Challenge

Knowledge Panel: This panel will explore how access to affordable financial services is critical for maximum production by small scale farmers. The panel members will focus the discussion on innovations that have been made in offering various financial products to farmers. They will discuss the strides and gaps in access to credit, savings, insurance and payment services that have been tailored to serve the needs of smallholder farmers.

Challenge: Following the panel, there will be a pitch session from innovators where they will answer:

How can your technology help to expand coverage of financial services to farmers, including credit, savings, and other financial services?

Theme 4 – Data Analytics and Intelligence Knowledge Panel and Challenge

Knowledge Panel: The objective of the panel is to understand and explore how the innovation ecosystem can enable the use of high-resolution, real-time, scientific and low-cost data by the public and private sector to better serve farmers. The panel will discuss use cases for early warning systems that enhance decision-making for governments, service providers, and farmers. It will also explore the emerging opportunities and lessons from open access to scientific data generated by agricultural research agencies. Lastly, it will examine models for public and privately financed agricultural data analytics and discuss the pathways for building agricultural intelligence systems that can cater to the needs of one million Kenyan farmers.

Challenge: Following the panel, there will be a pitch session from innovators where they will answer:

How can your innovation enable the large-scale collection, analysis, visualization and deployment of high-resolution, high-frequency, and low-cost agricultural data by public and private entities to enhance sector intelligence and farmer services?



Investment Roundtable

Agriculture is the heart of the Government of Kenya's Big 4 Agenda, is a major contributor to the economy and is the biggest source of employment for citizens of Kenya. However, direct investment in the sector is lagging far behind what is needed. This investment roundtable will examine key issues around data, legislative environment, commercial viability, and risk - as seen through the eyes of Donors, Development Finance Institutions (DFIs) and private investors - that are preventing capital flows from entering the agriculture sector. Most importantly, the panel will debate a range of tangible and actionable solutions that are necessary to unlock systematic investments at scale into the sector.

Policies for Disruptive Agriculture Technology (DATs)

The potential impact of DATs is promising for Kenya where the agriculture sector employs close to 70% of the rural population. Investments in basic rural and agricultural infrastructure (roads, bridges, irrigation, cold-storage, etc.) and technology infrastructure (broadband or connectivity) are essential. Supportive policies, such as spectrum management to ensure connectivity in rural areas for last mile delivery, appropriate tax and capital incentives, or other regulatory issues for DATs, are equally important. Thus, it is crucial to provide a vibrant innovation ecosystem for DATs to scale-up. The objective of this panel will be to garner support and get insights from all the key players of the ecosystem to create an enabling policy environment for DATs to scale-up.

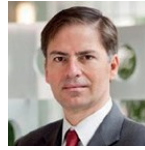
Panelist Biographies

Welcome Remarks



Sidharth Chatterjee, United Nations Resident Coordinator

Sidharth is the United Nations Resident Coordinator to Kenya and works with the Government and the people of Kenya to ensure the implementation of the Sustainable Development Goals. Before taking up this role, he was the UNFPA (United Nations Population Fund) Representative to Kenya. Before UNFPA, he served as the Chief Diplomat and Head of Strategic Partnerships and was also responsible for resource mobilization at the International Federation of the Red Cross and Red Crescent Societies (IFRC) since 2011. Before joining the IFRC, he has served with the United Nations (UN) since 1997, in UN Peacekeeping, UNICEF and UNOPS. Most of his UN career has been spent serving in countries affected by conflicts and natural disasters, in Africa, Asia, Europe, and the Middle East. Sidharth Chatterjee is a graduate in public policy from the Woodrow Wilson School for Public and International Affairs at Princeton University.



C. Felipe Jaramillo, Country Director, The World Bank Group

Felipe Jaramillo is the World Bank country director for Eritrea, Kenya, Rwanda, and Uganda, based in Nairobi. Under his leadership, the World Bank will continue to support inclusive growth and poverty reduction through a wide array of financial products and technical assistance. Jaramillo will oversee an operational portfolio of more than 80 projects representing a total investment of more than US\$12 billion to help countries share and apply innovative knowledge and solutions to the challenges they face. Jaramillo is the outgoing senior director of the World Bank Group's Macroeconomics, Trade and Investment Global Practice (MTI), where he led a global team of more than 450 economists. Since joining the World Bank in 2002, he has also served two terms as country director in the Latin America and Caribbean Region. Before joining the Bank, Jaramillo was a public servant in the Government of Colombia, holding offices in the Ministry of Finance, the Central Bank and the Ministry of Trade. Jaramillo holds an M.A. and a Ph.D. in development economics from Stanford University. He has taught at the Department of Economics of the Universidad de Los Andes in Bogota and the University of Maryland, College Park.



Edson Mpyisi, Chief Financial Economist and Co-ordinator Enable Youth Programme, African Development Bank

Edson Mpyisi is a Chief Financial Economist and the Coordinator of the ENABLE Youth Program at the African Development Bank Group. Mr. Mpyisi has over 20 years of experience in Economic and Rural Development at both the national and international levels with extensive policy, research, management and investment experience on key strategic and emerging issues facing Africa. Mr. Mpyisi holds a Master's Degree in Agricultural Economics from the University of British Columbia in Canada and is a Ph.D. Candidate in Development Finance at the University of Stellenbosch.



H. E. Wycliffe Oparanya, Chairman, Council of Governors (CoG)

H.E. Hon. Wycliffe Ambetsa Oparanya is serving as the incumbent governor of Kakamega County and Council of Governors chairperson. Prior to becoming a Governor, he served as the Minister of State for Planning, National Development and Vision 2030 in the government of President Mwai Kibaki. Before joining politics, the Governor worked at Kenya Aerotec Ltd as chief financial controller. He also has experience in local and international Finance Management, Audit and Business Consultancy. The Governor is a certified public accountant and a member of the Institute of Certified Public Accountants of Kenya (ICPAK). He was awarded the prestigious recognition for his contribution to the accounting profession in 2014 and became a Fellow of the Institute of Certified Public Accountants of Kenya (FCPA). He obtained a Bachelor of Commerce in Accounting and an MBA in Finance from the University of Nairobi. He also acquired a Ph.D. in Economics at the University of Dar-es-Salaam.



Sriram Bharatam, Founder & Chief Mentor, Kuza Biashara Limited

Sri is a social entrepreneur & digital technology innovator who is restless to change the lives of people at the bottom of the pyramid. Known for his frugal disruptive innovation(s) and ability to simplify complex things, Sri has architected a multi-sided digital technology platform which has impacted 4 million youth across Africa & Asia and created over 150,000 new jobs across health, agriculture and education sectors. Sri is an alumnus of MIT, a nominee of Ernst & Young 'Entrepreneur of the Year Award', a winner of Kauffman award for social entrepreneurship and EO Global Citizen of the year award.



Hon. Prof. Margaret Kobia, Cabinet Secretary, Ministry of Public Service, Youth and Gender Affairs

Professor Margaret Kobia graduated with a Bachelor of Education (B.Ed, Hons) Degree from the University of Nairobi followed by a Master of Education (MED) Degree from Kenyatta University in 1991. As a Leadership Grant Scholarship recipient, she enrolled at the University of Illinois; Urbana Champaign where she received her Ph.D. in Human Resource Education and Entrepreneurship in 2003. She later joined Strathmore University, Nairobi, in 2003 as a Senior Lecturer in management, entrepreneurship and research methodology and simultaneously served as a management training consultant. In 2005, she was appointed as the Director of the then Kenya Institute of Administration (KIA). In 2011, she was awarded an associate professorship for her outstanding teaching, research, and publication work while serving as the Director of KIA. In 2012, when KIA became the Kenya School of Government (KSG), Professor Kobia served as its first Director General and oversaw its successful transition. Following her exemplary and outstanding work at KSG, Professor Kobia was named Chairperson of the Public Service Commission (PSC) of Kenya in December 2012, a position she holds to date. In recognition of her distinguished service and contributions, she has received some prestigious awards including the Order of Grand Warrior (OGW), the First Class order of Chief of Burning Spear (CBS) and, the Commonwealth Gordon Draper Award. In October 2014, she was elected as the Vice President and board member of Commonwealth Association of Public Administration and Management (CAPAM). Prof. Kobia is a fellow at the Kenya Institute of Management and the Institute of Certified Public Secretaries, Kenya.



Hon. Joe Mucheru, Cabinet Secretary, Ministry of Information, Communications, and Technology (ICT)

Joseph Mucheru (MBS) is the Kenyan Cabinet Secretary in the Ministry of Information, Communications and Technology. He is also Director of GiveDirectly a modern payments technology that grants direct access to donors and Advisory Board Member at the Mpesa Foundation Academy. Mr. Mucheru is former Google Sub-Sahara Africa Lead; Google's first Sub-Saharan employee and was key to setting up of Google's presence in Africa. He co-founded Wananchi Online, the parent company of internet service provider Zuku, where he served as Chief Technology Officer, Strategy & Business Director, and Chief Executive. He has prior experience as Director of several entities including AFB; BitPesa which is a Bitcoin to Kenyan Shillings) remittance product, UAP Investments as well as the Telecommunications Service Providers Association of Kenya (TESPOK). He was Webmaster, Technical & Product Development Manager at Internet Solutions (IS) (formally Interconnect Limited.) He attended the Business Executive Programme from Stanford University Graduate School of Business. He holds a (BSc. (Hons)) in Economics & Computer Science from City University London. He was awarded the Moran of the Order of the Burning Spear (MBS) in 2010 and is a member of Africa Leadership Network, The National Prayer Breakfast, and the East African Business Summit.



Hon. Mwangi Kiunjuri, Cabinet Secretary, Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI)

Hon. Mwangi Kiunjuri is the Cabinet Secretary, Ministry of Agriculture, Livestock, Fisheries and Irrigation, a position he was appointed to by H.E The President on 26th January 2018. Before this appointment, he served as the Cabinet Secretary in the Ministry of Devolution and Planning for 2 years. Hon. Kiunjuri has served in various other capacities in the past including serving as the Chairperson Kenya Athi Water Services Board in 2015. From 2002-2013 he served as an Assistant Minister in the Ministry of Water and Irrigation for three years, Assistant Minister in the Ministry of Energy for five years and the Ministry of Public Works for two years. Hon. Mwangi Kiunjuri's academic background is in management and education. He holds a Global Master's Degree in Business Administration from United States International University – Africa (USIU) and a Bachelor of Arts degree in Education from Moi University.

Background of DAT Challenge and Conference – Vision of One Million Farmer Initiative



Dr. Parmesh Shah, Global Lead for Rural Livelihoods & Agricultural Jobs, The World Bank Group

Parmesh Shah is the Global Lead for Rural Livelihoods and Agricultural Jobs at the World Bank. He provides leadership to the Bank's work in these areas and supports the development of global knowledge and learning in these areas to offer solutions to clients and other development partners. His current areas of interest are economic and social organizations and networks of the poor, making markets and public services work for the poor, social entrepreneurship, ICT-based innovations in agriculture and rural development, promotion of on-farm and off-farm jobs and public-private and people partnerships for 12 rural poverty reduction. He is currently involved in developing a regional program on scaling up digital agriculture in Africa region involving setting up ecosystems for entrepreneurship and incubation. He holds a D Phil in Development Studies from Institute of Development Studies at the University of Sussex, MBA from Indian Institute of Management, Ahmedabad and B Tech degree in Agricultural Engineering from Pantnagar in India.

Theme 1 – Agricultural Productivity



H.E. James Ongwae, Governor, Kisii County

H.E. Governor James Ongwae was sworn to office on 27 March 2013, as the Governor of Kisii County. Prior to this, the Governor held various positions in the public service including District Officer, Immigration Officer, Management Analyst, Director of Civil Service Reform Programme, Permanent Secretary/Director of Personnel Management (DPM) in the Office of the President, Secretary for the Teachers Service Commission and Permanent Secretary in the Ministry of Agriculture. The Governor has expertise in Policy formulation, analysis and support, Human Resource Management and Development, Management and Administration, Public administration reform and anti-corruption measures, Institutional Development and Capacity Building, Leadership and Capacity Development, Decentralization, local governance, and urban/rural development, Results-Based Management and Management Development. He graduated with a Bachelor of Arts (Hons) degree in Economics and Government from the University of Nairobi. He completed his Master's degree in Public Policy and Administration from the Institute of Social Studies-The Hague, Holland and a postgraduate Diploma in Management and Administration from East and Southern Africa Management Institute (ESAMI) among other qualifications.

DATs' Role in the Kenyan Context



Michael Hailu, Director, Technical Centre for Agricultural and Rural Cooperation (CTA)

Originally from Ethiopia, Michael Hailu is the director of the Technical Centre for Agricultural and Rural Cooperation (CTA) based in the Netherlands. CTA is a joint institution of the African, Caribbean and Pacific Group of States and the European Union working under the Cotonou Partnership Agreement. As CTA director, he identified three priorities for the center's work: enhancing inclusive value chains, strengthening capacities of agricultural research institutions, and building networks in knowledge management and ICTs.



Michael Tsan, Partner, Dalberg Advisors

Michael Tsan is a Partner based in New York who helps lead Dalberg Advisors- access to finance, renewable energy, and program evaluation work in South Asia, Southeast Asia, and East Africa. Michael specializes in developing and assessing inclusive business models and base-of-the-pyramid-focused market transformation programs for off-grid products and services. Before his work at Dalberg, Michael spent 6 years at McKinsey & Company in the US, Europe, and Asia. He earned a JD from Yale Law School, a mini-MBA from Tuck Business School at Dartmouth, and a BA in Economics and History from Swarthmore College.



Dr. Eliud Kiplimo Kireger, Director General/CEO, Kenya Agricultural Livestock and Research Organisation (KALRO)

Dr. Eliud Kiplimo Kireger is the Director General/CEO of Kenya Agricultural & Livestock Research Organization (KALRO). Prior to this appointment, he served as the Managing Director/CEO of the Tea Research Foundation of Kenya. Dr. Kireger attained his Ph.D. in Plant Eco-physiology from the University of Wales, (UK), MSc in Genetics and Tree breeding from University of Toronto (Canada) and a BSc in Forestry from Moi University (Kenya).

Theme 1 – Agricultural Productivity (cont.)



Dr. Benjamin Kwasi Addom, Team Leader, ICTs for Agriculture, Technical Centre for Agricultural and Rural Cooperation (CTA)

Dr. Benjamin Kwasi Addom is an ICT4D Programme Coordinator at the Technical Centre for Agricultural and Rural Cooperation (CTA), based in the Netherlands. Since 2013, Ben has been coordinating activities that support the uptake, utilization and scaling of ICT solutions (mobile inclusive) for agriculture in African, Caribbean and Pacific (ACP) countries. Prior to his graduate studies, he spent over 4 years as an agricultural extension supervisor with both the private and public sectors in Ghana. He holds a doctorate in information science and technology with concentration in community informatics, innovation systems, and knowledge management from Syracuse University, USA; Master's in international agriculture and rural development with focus on extension and training from Cornell University, USA; and bachelor's in general agriculture from the University of Cape Coast, Ghana



Shaun Ferris, Director of Agriculture and Livelihoods, Catholic Relief Service

Over the past 30 years, Shaun has spent 16 years with the Consultative Group for International Agricultural Research and the past 10 years with Catholic Relief Services. During this time, Shaun has also worked with several major agencies on short and longer-term engagements including USAID, World Bank, USDA, CTA, FAO, GFRAS, UNCTAD, DFID, IFAD, and various country programs and projects. In his current position, Shaun manages a team of senior advisors who support smallholder farmers along their pathway to prosperity, as part of CRS's Program Area for Agriculture and Livelihoods. Shaun's work focuses on building the agripreneurial capacity of farmers, farmer groups and last mile field agents and enabling them to generate more value at the farm and through sales in value chains. Shaun holds a Bachelor's in Horticultural Science from Reading University, a Master's in Tropical Agriculture from Nottingham University and a Ph.D. in Plant Physiology from Cranfield University.



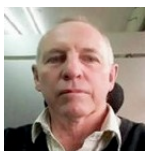
Janalize van Buuren, Divisional Sales Manager – East and Central Africa, John Deere

Janalize van Buuren, is the Sales Manager for East and Central Africa at John Deere based in Nairobi, Kenya and currently overseeing 16 Countries. She has been actively involved in Agriculture the past 25 years, whereof 15 years have been with John Deere. Her journey with John Deere has covered vast areas from Marketing & Communication Coordinator in South Africa, Territory Sales Manager on Agricultural Equipment in South Africa, Training Manager for Sub Saharan Africa, parts Sales and Marketing Manager for South East Asia where she was based out of Singapore and Regional Training Manager Sub Saharan Africa, India, Asia & China.



Tania Lozansky, Senior Manager, International Financial Corporation (IFC)

Tania Lozansky is the Senior Manager of Advisory for Manufacturing, Agribusiness and Services sectors at International Finance Corporation (IFC), a member of the World Bank Group. She is based in Nairobi, Kenya and her global team works with private companies in emerging markets to improve productivity, promote uptake of sustainable and efficient practices throughout supply chains, unlock new market opportunities for private investment and reduce implementation risks. In her previous roles at IFC, Tania was Regional Head of IFC Advisory Services in the Asia Pacific based in Hong Kong, and previously in Europe and Central Asia based in Moscow. Prior to joining IFC, Tania was a management consultant with The Boston Consulting Group in Europe and with William Kent International in Washington DC. She holds a dual BA in Economics and International Relations from Brown University and an MBA from the Stanford Graduate School of Business.



John Logan, Country Director Kenya, TechnoServe

John Logan was born in Nakuru, Kenya. He has a degree in Agriculture from the University of Kwa-Zulu Natal. He has over forty years working experience in agricultural extension, managing and consulting in tea, coffee, and horticulture. He has been with TechnoServe for 11 years and is currently the Country Director, Kenya. John has a passionate interest in agricultural systems, and in particular in improving the livelihoods for small scale farmers.

Theme 2 – Market Linkages



H.E. Francis Thuita Kimemia, Governor, Nyandarua County

H. E Francis Thuita Kimemia is the current Governor of Nyandarua County. Prior to this, he served as the Head of Public/Civil Service, Secretary to the Cabinet & Permanent Secretary in the Office of the President. The Governor previously served as Permanent Secretary, Ministry of State for Provincial Administration and Internal Security; Deputy Secretary in the Ministry of State for Provincial Administration; Under Secretary in the Ministry of State for Education, Assistant Secretary in the Ministry of Education, Assistant Secretary for Ministry of State for Provincial Administration & Internal Security, Director of Personnel Management in the Office of the President for Ministry of State for Provincial Administration & Internal Security, Dc Manderu, Dc Kakamega. Kimemia holds a Bachelor's Degree in Political Science & Public Administration and a Master of Business Administration.



Mary Nzomo, County Executive Committee, Trans Nzoia County

Mrs. Mary Nzomo is an Agricultural Economist by Profession with a Master of Science Degree in Entrepreneurship. Currently, she is working for the County Government of Trans Nzoia, Kenya, as the County Executive Committee in charge of Agriculture, Livestock Fisheries & Cooperatives Development and chair of the Agriculture CECMs caucus. Her career spans over a period of 25 years with a wealth of experience in Agricultural Extension & implementation of various donor-funded programmes. She has held several leadership positions during my career & received several awards for best performance as a Departmental Head. She aspires to empower the Kenyan farmer since the Country's economy is Agriculture driven with over 80% of the population depending on Agriculture for their livelihood. She looks forward to meeting & networking with like-minded individuals & organizations with a passion for spurring, developing & advancing Agricultural growth and transformation for the good of the farming Community.



Benjamin Makai, Senior Manager, Technology for Development, Safaricom

Benjamin Makai is the Senior Manager for the Technology for Development for Safaricom. In this role, he leads a team of innovators responsible for leveraging on technology to create, develop, adopt and integrate new concepts, products, and practices for public goods. These innovations address social, cultural, economic and environmental needs. Previously he was the Programme Manager for Computer Aid International covering Kenya, Uganda, Tanzania, Zambia, Malawi, Zimbabwe, Djibouti, Eritrea, Ethiopia, and occasionally Nigeria and Ghana (Africa Demand team). The key result areas for this role were a number of new channels partners on-boarded, identification and profiling of new channel partners by country as well as delivering value proposition in line with Computer Aid. He has received executive training from Harvard Business School and Strathmore University and a Bachelor of Science from Egerton University.



Betty Kibaara, Associate Director, Rockefeller Foundation, Africa Region Office

Betty Kibaara is an Associate Director at the Rockefeller Foundation, Africa Region Office. At the Foundation, Betty leads the implementation of the YieldWise Initiative that with a goal to reduce food loss in Maize (Tanzania), Mangoes (Kenya) and Cassava and Tomato value chains to improve livelihoods of the smallholder farmers. She serves as the regional champion for the Foundations initiatives in strengthening food security, agribusiness and the building of resilience to the devastating effects of climate change to enable real, sustainable and equitable economic growth.



Castro Antwi-Dandso, Director of Sales and Marketing, ESOKO

Castro has a unique mix of professional experience, from accounting to business development to law. Prior to joining Esoko, he worked for The Okyenhene (King of the Akyem Abuakwa Kingdom in Ghana) where he developed business for the Kingdom both locally and internationally and managed their financial activities. He has also worked with Ernst & Young and Stanbic Bank in the past. Castro holds a B.Sc. Agric Economics degree as well as Bachelor's in Law (LLB) from the Kwame Nkrumah University of Science and Technology (KNUST), Kumasi. He also holds a Masters in Business Administration (Finance) from the University of Ghana Business School and is currently pursuing an LLM programme in Tax Law at the Queen Mary University of London.



Mikael L. Clason Höök, Mastercard Foundation Rural and Agricultural Finance Learning Lab

Mikael L. Clason Höök is the Director of the Mastercard Foundation Rural and Agricultural Finance Learning Lab. The Learning Lab provides advisory support to the Foundation partners, supports partners with learning and dissemination, and conducts independent research to fill key knowledge gaps in the sector. Mikael is a co-founder and partner of a renewable company providing off-grid solar solutions for international organizations operating in humanitarian settings, and a high-end wood flooring company with showrooms in New York and Los Angeles. Previously, he led the design and implementation of an innovative World Bank survey to collect real-time social and economic data in South Sudan and Somalia. Mikael holds an MPA in International Development from Harvard Kennedy School where he was awarded a Public Service Fellowship.

Theme 2 – Market Linkages (cont.)



Sidhartha Samal, Digital Head, Africa & Middle East, OLAM

Sidhartha Samal is Digital Head, Africa and Middle East for Olam, a leading food & agri-business company with presence in over 70 countries. Prior to this role, he has been a career marketer and has worked for leading brands like Airtel, Hewlett Packard in India and Olam's Packaged Foods Business in Nigeria. He has championed digital marketing initiatives in Nigeria including a series of advertising campaigns with Mark Angel comedy which generated more than 50 Million+ views. He has spent close to 7 years in Africa, traveled extensively and has a deep understanding of West African consumers. In his current role, he interacts with farmers, traders, consumers, start-ups across different parts of Africa. He uses that understanding to develop digital products which are tailor-made for Africa. He believes Africa would be the center of gravity of the world market and Digital would be a key driver to bring that change. Hence, he is quite passionate about driving digital in Africa.

Ignite Talk: Disruptive Technology as Game-Changers for Small-Scale Agribusinesses



Tim Chambers, Co-founder & Managing Director and founder, InspiraFarms

Tim is the Co-Founder and Managing Director of InspiraFarms, an energy-efficiency technology company in the agriculture and logistics industry. Tim is from Zimbabwe and built InspiraFarms on the back of a dozen years of experience in investing and developing agribusinesses in more than twenty countries in tropical emerging markets. Tim's background is in business strategy, research and development, and management and holds an MSc (Uni. College of London) and an MBA.

Theme 3 – Farmer Financial Inclusion



H.E. Francis Mwangi wa Iria, Governor, Murang'a County, Vice-Chairman of the Council of Governors

Francis Mwangi wa Iria is the 1st and current Governor of Murang'a County. He is also the current vice chairman of the Council of Governors, having been elected in January 2019. He was elected on the 4 March 2013 and subsequently in August 2017 for his second term. Before joining politics, Wa Iria was the Managing Director of New Kenya Cooperative Creameries (KCC). He has also served as National Sales manager of Kenya Breweries Ltd, Managing Director of Ngano Feeds Ltd, CEO of Freshco Seeds and General Manager of the Commercial Division of Industrial Promotion Services that brings together more than 30 companies owned by the Aga Khan Development Network. The Governor is an alumnus of Moi University and Chartered Institute of Purchasing and Supply in the United Kingdom (UK).



Esther Kasalu-Coffin, Country Director, International Fund for Agricultural Development (IFAD)

Esther Kasalu-Coffin is the Country Director for Kenya and the head of the Eastern Africa and Indian Ocean (Kenya) Hub, at the International Fund for Agricultural Development (IFAD) and now based in Nairobi. Her current responsibilities include the management of the Kenya IFAD Country Office as well as the Hub, developing and implementing country strategies, supporting and overseeing implementation of IFAD-financed investments; forging strategic partnerships; promoting constructive poverty reduction policy dialogue; and being a conduit and catalyst of knowledge management and innovation. Her earlier positions a Senior Policy Officer and Task Manager at the African Development Bank, and prior to this she was a consultant with FAO Ghana Regional Office. Additionally, she has consulted with Statistics Canada and Zambia Ministry of Agriculture, on all aspects of the project cycle from formulation to evaluation in Canada, India, Italy, and Zambia. Esther Kasalu-Coffin holds an M.Sc. degree in Agricultural Economics from the University of Manitoba in Canada and a BA in Economics and Business Administration from the University of Zambia.



Leesa Shrader, AgriFin Accelerate Program Director, Mercy Corps

Leesa is Program Director of the AgriFin Accelerate Program at Mercy Corps, which is a 6-year, \$24 million program funded by the MasterCard Foundation to expand smallholder farmer access to technology-enabled financial and information services in East Africa. She has over 20 years of global experience working in financial inclusion with leading banks, mobile network operators and institutions such as CGAP, the World Bank, GiZ, KfW and Women's World Banking. She has worked on mobile and development deployments in 16 countries around

Theme 3 – Farmer Financial Inclusion (cont.)



Lucas Meso, Managing Director, Agricultural Finance Corporation (AFC)

Mr. Lucas Meso, MBS is a career banker with a rich experience spanning over 25 years in Senior Management positions in the Banking and Finance sector. He is currently the Managing Director of the Agricultural Finance Corporation, a Government-owned Development Finance Institution (DFI). In recognition of his exemplary role in transforming the institution, Mr. Meso was honored with a Presidential National Decoration Award, Moran of the Order of the Burning Spear (MBS). Mr. Meso holds a Master's Degree in Business Administration specializing in Strategic Management from the Maastricht University (MSM)/ESAMI). He is an Associate of the Chartered Institute of Bankers (ACIB) the UK and a Fellow of the IFS School of Finance (FIFS). In addition to that, Mr. Meso successfully completed the Global Change Agents Executive Program from the Harvard Kennedy School.



Reuben Gicheha, Program Officer, Financial Inclusion, Alliance for a Green Revolution in Africa (AGRA)

Reuben has over 14 years' experience in the financial inclusion space in Kenya having worked with the two leading commercial banks in Kenya. He pioneered the KCB Mpesa microlending business before moving to AGRA for a bigger mandate in the Mastercard Foundation funded financial inclusion program. He is the financial inclusion lead for Kenya and Rwanda program. He also provides technical expertise to the AGRA partners and his colleagues on the scaling and deployment of digital financial solutions in Kenya, Tanzania, and Ghana under the program. Reuben holds an MBA in finance and is a qualified Accountant. He is an alumnus of Galilee International Management Institute Israel and Boulder School of Microfinance Turin.

Ignite Talk: Revolutionizing the Use of Data for Policy-Making (The Case of Agriculture Observatory in Kenya)



Dr. Erick C.M. Fernandes, Global Lead – Technology, Innovation, & Climate-Smart Agriculture, The World Bank Group

Erick Fernandes holds a BS in Forestry from the University of Aberdeen and a Ph.D. in Soil Science from North Carolina State University. He was appointed as an International Professor of Crop and Soil Sciences at Cornell University (1995-2005) with research and teaching programs on tropical agroecosystems, cropping systems, and agroforestry. At Cornell, he also served on the Program Committee of Cornell's International Institute for Food, Agriculture, and Development (CIIFAD), as the Global Coordinator of the GEF-UNDP-CGIAR program on "Alternatives to Slash and Burn Agriculture" (ASB), and as a Principle Investigator in the NASA-supported, Large Scale Biosphere-Atmosphere (LBA-Eco) program in the Brazilian Amazon.

Theme 4 – Data Analytics and Intelligence



H.E. Wycliffe Wangamati, Governor, Bungoma County & Chair, Council of Governors Committee – Finance, Planning, Economic Affairs, and ICT

H.E. Wycliffe Wafula Wangamati is the second Governor of Bungoma County. Prior to this, he served as the Managing Director and shareholder of all the holdings of Alexander Forbes Risk and Insurance Brokers Kenya. Governor Wangamati is a Qualified Actuary and an Experienced Senior Manager with both Local and International experience in Pensions and Investment Consultancy. He is a Fellow of the Institute of Actuaries in England and has worked both in South Africa and England for over six years where he gained cutting edge experience in Investment Consultancy and Pensions Management. He has an in-depth understanding of the financial marketplace both through formal training and broad international experience. The Governor obtained a Bachelor of Science degree in Mathematics from Moi University.



Boniface Akuku, Director of Information and Communication Technology (ICT), Kenya

Agricultural & Livestock Research Organization (KALRO) Boniface has expertise in Information and Communications Technology (ICT) field, ICT innovation, data science, Big Data analytics, artificial intelligence, and research informatics. He formerly worked as Chief of Information Technology at United States Army Medical Research; Care International and Coca-Cola Equator Bottlers. At KALRO, he is the Director of ICT, and as the Chair of Committee

Theme 4 – Data Analytics and Intelligence (cont.)

on Data of the International Council for Science (CODATA) Agricultural Task Group. He coordinates several projects in ICT in agriculture. His work has brought transformative change through developing scalable, replicable, and sustainable ICT solutions. These innovations and systems have enabled access and utilization of research findings and help farmers realize increased productivity as a result bridging the gap between research and practice. He was the climate information prize winner in 2016 for developing a platform that tackles climate change impacts on farmers in Kenya. He is also the Africa CIO of the Year Award, 2019.



Christophe Bocquet – Senior Data Scientist & AgriTech Lead, Dalberg Data Insights

At Dalberg Data Insights, Christophe is the lead data scientist for the AgriTech practice. He has acquired expertise in leveraging Geographical Information Systems (GIS) and data science for Agriculture and Food Security. Christophe has been leading different parts of AgriTech projects including front-end development, big data (e.g. satellite images, telecom data, social media data) analytics, groundtruth data collection and, human-centered field work. Before joining the Dalberg Data Insights team, Christophe was Product Manager for the fiber roll-out project of Proximus, the largest telecom operator in Belgium. Christophe holds a Master in Bioengineering from the Catholic University of Louvain, with a concentration in GIS & Remote Sensing.



Debisi Araba, Director, International Center for Tropical Agriculture (CIAT)

Debisi Araba is a public policy and strategy specialist. He is the Director, Africa Region, at the International Center for Tropical Agriculture (CIAT), a member of the CGIAR, the consortium on international agriculture research. CIAT works to increase prosperity and improve human nutrition in the tropics through research-based solutions in agriculture and the environment. He is also a member of the Malabo Montpellier Panel of experts, a distinguished group of global thought and practice leaders, working together to enable better government support of national and regional agricultural development and food security priorities in Africa.



Dr. Kala Fleming, Co-Founder & Director, Diaspora AI

Dr. Kala Fleming is co-Founder & Director of Diaspora AI, a product development and advisory firm that connects resource-constrained communities to merging digital technologies. She works with government, corporations, and startups to launch new digital services that improve connectivity and quality of life for citizens and communities. Previously, she held strategy and research roles at IBM, working with clients to establish differentiated market positions through the use of emerging technologies such as IoT, AI, and blockchain. Her seminal TED talk in 2015 on building digital aquifers



Dr. Ladisy Komba Chengula, Lead Agricultural Economist, Agriculture Global Practice, The World Bank Group

Dr. Ladisy is the Lead Agricultural Economist of the Agriculture Global Practice at the World Bank where he helps identify innovative new opportunities or ways to address existing needs in the agricultural sector, by bringing in experience from other regions and with a wide range of instruments. Previously, he served as a senior Agriculture Economist at the World Bank. Prior to joining the World Bank, Dr. Ladisy was a Sr. Economist at Pricewaterhouse Coopers Ltd. Dr. Ladisy has a Ph.D. in Agricultural Economics from Colorado State University.



Stewart Collis, Senior Program Officer, Digital Agriculture Solutions, Gates Foundation

Stewart Collis, Senior Program Officer, Digital Agriculture Solutions, Gates Foundation. Mr. Collis is a Senior Program Officer of Digital Agriculture Solutions at the Bill and Melinda Gates Foundation. Mr. Collis has over 20 years' experience in agricultural information technology. A graduate of the University of New South Wales in Geomatic Engineering, Mr. Collis worked at the CGIAR and Texas A&M University on crop simulation, agro-climatic modeling and software development. He then co-founded aWhere, a Benefit Corporation focused on agricultural intelligence, information, and insight to help increase food production, improve efficacy and mitigate climate risk in agriculture. His focus at the Gates Foundation is Digital Farmer Services and Smart Farming solutions. Mr. Collis is a Senior Program Officer of Digital Agriculture Solutions at the Bill and Melinda Gates Foundation. Mr. Collis has over 20 years' experience in agricultural information technology. A graduate of the University of New South Wales in Geomatic Engineering, Mr. Collis worked at the CGIAR and Texas A&M University on crop simulation, agro-climatic modeling and software development. He then co-founded aWhere, a Benefit Corporation focused on agricultural intelligence, information, and insight to help increase food production, improve efficacy and mitigate climate risk in agriculture. His focus at the Gates Foundation is Digital Farmer Services and Smart Farming solutions.

Investment Roundtable



Anup Jagwani, Principal Investment Officer, International Finance Corporation (IFC)

Anup JAGWANI is principal investment officer in the IFC's Global Agribusiness Department. He has done various inclusive business deals both in Africa and Asia, especially in agribusiness (e.g. Jain irrigation) and water/irrigation. He is a graduate of the Wharton School and The Asian Institute of Management.



Martine Jansen, Manager Data-Driven Innovation, Rabobank Foundation

Martine Jansen is Manager Data-Driven Innovation at Rabo Foundation. Prior to this role, she was Program Manager Africa at Rabo Foundation, providing high-risk loans to cooperatives and SMEs in Eastern Africa, combined with access to knowledge and network available within the Rabobank group. Before working at Rabo Foundation, she was a commercial banker in project finance at another Dutch bank. She has a Masters International Business from Rijksuniversiteit Groningen and a Degree in International Business from ISCTE – Instituto Universitario de Lisboa.



Olukemi Dolly Afun-ogidan, Principal Agribusiness Officer, African Development Bank

Dolly is the Principal Agribusiness Officer at the African Development Bank Group. Prior to that role, she was the Senior Agribusiness Specialist in the Agriculture and Agro-Industries Department. Her role was designing innovative Agri-Financing and Risk Sharing Mechanisms. She has previously worked as a policy officer for the Food Security Programme with the European Centre for Development Policy Management. Dolly has a Masters Degree in Public Policy and Human Development from Maastricht University, a Post Graduate Certificate in Investment Appraisal and Project Management from The University of Bradford and a Degree in Accounting from Ahmadu Bello University.



Sandeep Khapre, CEO, Binder Dijker Otte (BDO)

Sandeep Khapre is the administrative CEO of BDO EA's mainland African Offices in Kenya, Uganda, Tanzania, Rwanda, and Ethiopia. BDO EA is a part of a single multi-country entity that is headquartered in Mauritius and also includes offices in Madagascar and Seychelles. This sub-regional entity of BDO employs 800 professionals across 8 African countries. Sandeep started his consultancy career over 20 years ago in the area of Strategy Implementation at DCDM - Arthur Andersen. He also successfully worked in diverse areas such as Technology Consulting, Development Consulting, and Transaction Advisory services. His sectoral expertise is in Financial Services, Government and International Financial Institutions, Hospitality, and Agribusiness.

Investment Roundtable (cont.)



Shudhan Kohli, Founder and CEO, Grey Elephant Ventures

Shudhan Kohli has spent the last ten years working with startups in the roles of investor, founder, director, and strategic advisor. His experience spans commercial ventures, within the emerging markets of Latin America and East Africa, that deliver profitable solutions to their communities' most pressing challenges. This work includes pioneering the development of a responsible supply chain within the fashion and textile industry of Peru (amongst the first US 'Benefit Corporations', attaining the status in 2011), leading growth efforts for an Austin-based e-commerce SaaS startup raising a \$55M series A round. And deploying early/seed capital to tech ventures in Kenya, each raising an average of \$2M in follow-on funding. As Managing Partner at Grey Elephant Ventures, he provides capital and expertise to founders harnessing technology to deliver essential goods and services in East Africa.

Policy Panel



H.E. Muthomi Njuki, Governor, Tharaka Nithi County & Council of Governors Committee on Agriculture

H.E. Muthomi Njuki is the second and Incumbent Governor of Tharaka Nithi County. Prior to being elected as Governor, he served as the Chuka/Igambang'ombe Member of Parliament from 2013-2017. Before joining politics, the Governor was an entrepreneur who worked with various telecommunication brands in Africa including Safaricom Limited and Airtel Limited. The Governor obtained a Bachelor's Degree in Education and Botany and Zoology from Kenyatta University and a Master's Degree in Entrepreneurship and Innovations Management at the University of Nairobi.

Policy Panel (cont.)



Prof. Hamadi Boga, Principal Secretary, Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI)

Prof. Hamadi Iddi Boga is the Principal Secretary of the State Department for Agricultural Research in the Ministry of Agriculture, Livestock, Fisheries and Irrigation in the Government of Kenya. He is the former founding Principal of Taita Taveta University and was the Vice-Chancellor between 2007 and 2017. He was a Professor in the Department of Botany at the Jomo Kenyatta University of Agriculture and Technology. His skills and interests are in biology, agricultural science, sequencing, microbiology, molecular biological techniques, and RNA genes. He also has an interest in microbial ecology of insects' guts, soils, and soda lakes and has worked with termites, the soda lakes of Kenya, mangrove swamps, agricultural and forest soils and also on Mount Kenya glacier. He has a Ph.D. in Biology from Universität Konstanz in Germany.



Mr. Jerome Ochieng, Principal Secretary, Ministry of Information, Communication, and Technology (ICT)

Mr. Jerome Ochieng has been appointed the new Principal Secretary for ICT and Innovation. Until his appointment, Mr. Ochieng was the Director of the Integrated Financial Management Information System (IFMIS) at the National Treasury and a member, Board of Directors at the Information, Communication Authority. Mr. Ochieng has 17 years' work experience in the field of information and communication technology in the Public Service. Mr. Ochieng has also served as ICT Manager with Public Procurement Oversight Authority for 6 years. He holds a Masters' Degree in Information Engineering from the University of the Ryukyus, Okinawa, Japan. He is a registered fellow of the Computer Society of Kenya and a Licentiate Member of the Institute of Management Information Systems (IMIS), UK.



Andrew Karlyn, Strategic & Learning Lead, AgriFin Accelerate at Mercy Corps

Andrew Karlyn, Ph.D., is the AgriFin Accelerate project as Director for Strategy and Learning. Andrew most recently served as USAID's Global Development Lab's Africa Regional Advisor, based in Nairobi, supporting digital finance initiatives in health, social protection, agriculture and democracy, and governance programs. Andrew served as Country Director for Population Council Nigeria and Chief of Party on a large PEPFAR grant to address social determinants of HIV risk in northern Nigeria. Prior to, Andrew was the lead behavioral scientist on the Truvada PrEP clinical trial at CDC Botswana. Andrew has worked in sub-Saharan Africa and Asia for more than 18 years. He has extensive experience working in conflict and post-conflict settings to deliver emergency aid and health care, conducting epidemiological surveillance and social appraisals, and facilitating the transition to sustainable development.



Mulat Demeke Desta, Senior Policy Officer, Food and Agriculture Organization (FAO)

Mulat Demeke has been working at the Agricultural Development Economics Division (ESA) of the Food and Agriculture Organization (FAO). Among his major tasks was undertaking analytical works in the area of food and nutrition security, including policy responses of developing countries to food price volatility. Since August 2016, he has been transferred to FAO/ Kenya as a Senior Policy Officer to support the operationalization of the Food and nutrition security Impact, Resilience, Sustainability and Transformation (FIRST) programme in Kenya. His tasks in Kenya include policy advisor to MoALF&I, support the formulation of a new agricultural growth and transformation strategy, and undertake diagnostic studies on relevant policy issues. Prior to joining FAO in 2008, Mulat Demeke was the Dean of the Faculty of Business and Economics of Addis Ababa University (Ethiopia). Mulat Demeke has a Ph.D. from Strathclyde University (UK).



Philip Thigo, Technical Advisor - Data & Innovation, Office of the Deputy President

He is the Director for Africa for the Thunderbird School of Global Management and a technical advisor on Data & Innovation at the Executive Office of the Deputy President, a member of the World Economic Forum Global Councils on Food Systems Innovation and recognised as one of the World's 100 most influential persons in digital government in 2018. Mr. Thigo has held executive positions in Infonet Africa and Foundation EI Taller with experience spanning across Africa, Euro-med and Latin America. He has co-created unique technology-driven initiatives such as Apps4Africa with the US State Department, Uchaguzi to monitor Elections, Budget Tracking Tool for citizen engagement, Sauti Yetu (Huduma) on public service delivery and the State House Summit for engagement of high-level Government Officials with the public. Mr. Thigo has previously advised the Cabinet Secretary for Agriculture in Kenya on Open Data where he developed the data aspects of the Big4 Food Security agenda the African Union Chairperson & the African Governance Architecture (AGA) where he led the first-ever digital engagement by the African Union - #DGTRENDS. Mr. Thigo is credited for bringing the Africa Regional Data Cube (ARDC) to Africa enabling access to 17 years of Earth Observation Data (for free). He is a Steering Committee member of Digital Earth Africa (DEA), a collaborative initiative between the Australian Government, South Africa National Space Agency (SANSA) and the World Economic Forum (WEF) on Earth Observations.

Closing Remarks



Simeon Kacou Ehui, Director, The World Bank Group

Simeon Ehui, was appointed Director of the World Bank's Food and Agriculture Global Practice in September 2017. Since joining the World Bank in 2003, Dr. Ehui has held a number of assignments. He was the manager of the Food and Agriculture Global Practice for Africa (2015-2017) and South Asia (2009-2015). He also served as Lead Economist and Sector Leader for the Sustainable Development Network in Nigeria covering a variety of issues such as agriculture, environment, transport, and energy. Before joining the World Bank, Dr. Ehui worked for 15 years in the Consultative Group on International Agricultural Research (CGIAR). He managed multi-country agricultural research development programs in Africa and Asia for both the International Institute of Tropical Agriculture (IITA) and the International Livestock Research Institute (ILRI). Dr. Ehui holds a Ph.D. in Agricultural Economics from Purdue University and has published extensively in his field. He is an honorary fellow of the African Agricultural Economist Association, and a Distinguished Agricultural Alumnus of Purdue University.

Thank You Note



Prof. Micheni J. Ntiba, Principal Secretary - Fisheries, Ministry of Agriculture, Livestock, Fisheries and Irrigation (MoALFI)

Prof. Micheni Japhet Ntiba, Ph.D., DBA, CBS is the Principal Secretary of the Ministry of Agriculture, Livestock, Fisheries and Irrigation, State Department for Fisheries, Aquaculture and the Blue Economy of Kenya. As an academic, he has spent a number of years at the University of Nairobi as a Senior Lecturer, and later as an Associate Professor in the Department of Zoology. His research efforts conducted with numerous institutes and laboratories such as the Kenya Marine and Fisheries Research Institute, and the Centre for Environment, Fisheries and Aquaculture Science (CEFAS), Lowestoft Laboratory, has largely focused on the biology of marine fishes, and marine and mangrove ecosystems. Prior to his appointment as the Principal Secretary at the Ministry of Agriculture, Prof. Ntiba also served as the Executive Secretary of the Lake Victoria Fisheries Organization (LVFO). Prof. Ntiba holds a BSc in Biological Sciences and a Masters degree in Hydrobiology from the University of Nairobi. He went on to receive his Ph.D. in Fisheries Biology from the University of East Anglia, UK.

Awards: One Million Farmer Initiative 'First Cohort Awards'



Dina Umali-Deininger, Practice Manager, The World Bank

Dina Umali-Deininger is the Practice Manager in the Agriculture Global Practice of the World Bank, managing advisory and lending activities covering Central Africa and Eastern Africa. She manages analytical and advisory activities and a lending portfolio, focused on increasing agricultural productivity, linking farmers to markets and value chain development, and improving climate resilience through climate smart agriculture. Prior to joining the Africa Region, she was the Practice Manager for the Agriculture and Water Global Practice in the Europe and Central Asia Region. She served as Lead Agriculture Economist and Country Sector Coordinator in the World Bank New Delhi office overseeing the World Bank's agriculture and rural development program in India. In 2007/2008, she was a core team member for the World Development Report (WDR) on Agriculture for Development. Prior to joining the World Bank, she held a teaching position in the University of the Philippines and was a Research Associate in the International Rice Research Institute in the Philippines. She has an M.A. and Ph.D. in Applied Economics from Stanford University, and a B.A. in Agribusiness Management from the University of the Philippines.



Mr. Harry K. Kimtai, Principal Secretary, Ministry of Agriculture , Livestock, Fisheries and Irrigation (MoALFI)

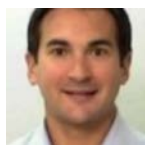
Mr. Harry K. Kimtai is the Principal Secretary in the Ministry of Agriculture , Livestock, Fisheries and Irrigation, State Department of Livestock. In his role as the Principal Secretary, he is responsible for the administration of the State Department for efficient and effective delivery of the public services that are lawfully assigned to the State Department. As a Principal Secretary he is charged with managing substantial amount of public resources both human and material that are earmarked by the Government for utilization in specified areas in the department of Livestock in a manner that is expected to maximize benefits to the people of Kenya.

Moderators



Jeehye Kim, Agriculture Economist, The World Bank Group

Jeehye is an Agricultural Economist at the World Bank where she leads and carries out World Bank missions to client countries where digital agricultural projects and pilots have been identified and ready to be rolled-out, specifically in the Africa region. Her work includes advising WB's client to use digitally-enabled approaches to increase their agricultural projects' success in sustainable and scalable ways. Applications include mobile-enabled agriculture extension services, mobile money, e-vouchers for agricultural inputs, market price and weather information systems, as well as applications to help smallholder farmers' access to markets and services. She also builds relationships with industry leaders, executives, development partners, and stakeholders to advance disruptive and digital agricultural technology initiatives, in support of World Bank projects in client countries. Prior to joining the World Bank in 2011, Jeehye worked in both the public and the private sector in Korea and the U.K., respectively. In the private sector, she built expertise in consulting for the high-tech and telecom sectors, as well as electronic commerce and e-government. Jeehye holds a Master's degree in Development Economics from the University of Glasgow.



Diego Arias, Lead Agriculture Economist, The World Bank Group

Diego Arias is a Lead Agriculture Economist at the World Bank. He manages and advises teams working on agriculture and rural development investment projects, technical assistance and policy lending. Before joining the World Bank, Diego worked for the Inter American Development Bank and the Corporacion Andina de Fomento. Diego has extensive experience in the agriculture and rural development sector of Latin America and the Caribbean, with a special emphasis in agriculture commodity and rural risk management and finance. Diego holds a Ph.d. in Agrifood and Environmental Economics from the University of Valencia, an MBA in Finance from Sacred Heart University in Luxembourg and a Master's degree in International Development from Harvard University.



Naoko Koyama-Blanc, Partner, Dalberg

Naoko is a Partner based in Nairobi, who advises multilateral and bilateral organizations, corporations, foundations, and NGOs on strategy, financial planning and management, market analysis, and monitoring and evaluation. She has experience in agribusiness, global health, inclusive business models, business start-up strategy, access to finance, trade and investment policy, and financial management. Prior to Dalberg, Naoko worked for the International Finance Corporation, where she held positions at the Independent Evaluation Group and the Investment Climate Advisory Services. Naoko holds an MA in Public Administration in International Development from Harvard's Kennedy School of Government and is a US Chartered Financial Analyst (CFA).



Ashesh Prasann, Agricultural Economist, The World Bank Group

Ashesh Prasann is an Agricultural Economist at the World Bank, where he has led advisory and analytical products and worked on investment projects in China, Comoros, Democratic Republic of Congo, and Uganda. Prior to joining the Bank, Ashesh completed his PhD at Michigan State University where he used quasi-experimental techniques to estimate spatial spillovers in India's rural labor markets and evaluated malaria's impact on wearable tracker-based measures of activity and agricultural productivity in Nigeria. His technical expertise includes impact evaluation, applied econometrics, survey design, social network analysis, policy analysis, social protection, and microfinance. He also likes to swim, play squash, and cook for anyone willing to try his experiments with food.



Tim Smyth, Head of Strategy, Kuza

For 25+ years Tim has been helping organisations of differing scope, scale and complexity to grow and prosper across the emerging markets of Asia and Africa. Having created a dozen start-ups and led local, regional and global projects and companies, his personal mantra of New, Different and Better has allowed him to challenge conventions and embrace change in our constantly evolving global marketplace. His specialties include Investment and Financial Advisory Services, Deal Structuring, Strategic Business Planning and creation of go-to-market and growth strategies. Inherent if this is collaboration and providing guidance to Company Boards and C-Suite management teams. He is a graduate of Melbourne University.



Arif Neki, Senior Advisor – UN Strategic Partnerships, Coordinator – SDG Partnership Platform, UN Resident Coordinator's Office

Senior Advisor for Strategic Partnerships at the UN Resident Coordinator's Office in Kenya. He is also the National Coordinator in Kenya for the SDG Philanthropy Platform and is active in establishing a broader SDG Partnership Platform in Kenya co-chaired between the Government and the UN to unlock \$1 billion of SDG aligned PPPs. Arif's extensive experience is across social development and private enterprise across three continents. His leadership in social development, enterprise and financial services includes forging partnerships across philanthropic and non-profit organizations with governments, bilateral/multilateral donors and private sector. Arif was a former Regional CEO of the Aga Khan Foundation (AKF) East Africa for over 13 years and previously the Regional Representative in Eastern Africa for the French & International Bank – Société Générale.

About the Disruptive Agricultural Technology (DAT) Challenge and Conference

The DAT Challenge and Conference will play a key role in creating an agri-tech innovation ecosystem, with emphasis on six core themes: improved access to extension and other services; improved access to financial services; improved access to markets; improved access to alternative energy sources for agriculture; improved access to climate smart agriculture advisory services and data driven applications. Leaders of public and private institutions, technology companies, incubators, researchers, the business community, policymakers, financial institutions and the donor community will gather together to learn from and network with each other. The challenge will see leading Disruptive Agricultural Technology (DAT) innovators share their stories and plans with the chance of receiving performance rewards, acceleration funding, incubation, mentoring and financial support to scale up their innovations in Kenya. The event aims to lay the foundations for the innovation platforms which will connect a million Kenyan farmers to disruptive agricultural technologies over the next several years.

Learn more:

www.bit.ly/DisruptiveAgriTech

About the World Bank Group

The World Bank works with low and middle-income countries and partners to provide innovation and resources so that the food system lifts people out of poverty, produces safe and nutritious food for all, and is more sustainable and resilient in the face of resource constraints and climate change.

Learn more:

www.worldbank.org/agriculture

About the Korea-World Bank Partnership Facility

The Korea-World Bank Group Partnership Facility (KWPF), established in May 2013, is an initiative to strengthen ties between the Republic of Korea's Ministry of Economy and Finance (MoEF) and the World Bank Group (WBG). The facility's overall objective is to assist developing member countries of the WBG in achieving inclusive and sustainable economic growth and to foster broader dialogue on economic development issues. The facility supports a broad range of economic development opportunities with a focus on promoting best practices by leveraging the WBG's knowledge and convening power and Korea's expertise. The Government of Korea provided US\$90 million from FY14 to FY16 and a replenishment of US\$90 million from FY17 to FY19 through this facility.

Learn more:

<http://www.worldbank.org/en/programs/korea-world-bank-group-partnership-facility>