



INNOVATORS BOOKLET



CLIMATE ACTION INNOVATION HUB



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MINISTRY OF
FOREIGN AND
DIASPORA AFFAIRS



MINISTRY OF
ENVIRONMENT,
CLIMATE CHANGE &
FORESTRY





African Union Climate Action Innovation Hub

The African Union Commission launched the Climate Action Innovation Hub as part of the Africa Climate Summit from 4-6 September 2023 in Nairobi, Kenya. This is an opportunity to showcase a diverse range of the bold, innovative climate actions taking place across the continent that align with the specific ambitions and goals of the recently adopted African Union Climate Change and Resilient Development Strategy (2022-2032). This is Africa's first ever collective climate change action plan and strategy that details specific suggested actions the continent needs to urgently undertake to respond to climate change. The Strategy seeks to harmonise the continent's response to climate change over the next decade, setting out the key guiding principles, priorities, and intervention areas for enhanced climate cooperation. This Strategy is a framework for climate action of all Africans, including both government and non-government stakeholders. For the Strategy to be effectively implemented, broad-based ownership and inclusive participation is vital.



Scaling innovations to achieve climate action

The Climate Action Innovation Hub is a dedicated space for Africa's women and young innovators to showcase their 'game changing', climate-oriented solutions and business ideas, exchange key lessons, as well as garner support for innovative solutions from a diverse and broad audience, including policy makers and potential investors. These transformative climate innovations and initiatives, of varying scales, may touch on any of the major themes identified within the Climate Strategy. These include but are not limited to: clean energy, climate-smart agriculture and sustainable land management, biodiversity conservation, green economy and sustainable value chains, sustainable fisheries management, water storage and conservation, waste management and circular economy, green transport and climate resilient infrastructure, resilient, climate smart cities, and digital transformation. The innovations can also include key cross-cutting areas needed to amplify climate cooperation and action, including climate advocacy, empowerment, awareness raising, capacity building and climate literacy.

This event forms an important milestone in a longer process to move the Strategy from a policy framework towards tangible and meaningful action on the ground. After the successful adoption of the Strategy by all AU member countries in June 2022, the Strategy is now ready to be executed at a variety of scales. To achieve this, the Innovation Hub plays a critical role in mobilising partners, innovators and investors to support its operationalisation.



In July 2023, the African Union put out a call to Africa's innovators, especially women and youth, to apply to showcase their 'game changing' climate action solutions and project ideas at the Africa Climate Summit.

To be selected, a key criterion was that the innovation should demonstrate a contribution towards building Africa's climate adaptation capacity, reducing its greenhouse gas emissions and/or enhancing its overall climate resilience. In addition, preference was given to projects operating at a grassroots level or that demonstrate a high degree of social inclusion, particularly for women, youth and those facing economic hardship. These transformative climate innovations and initiatives, of varying scales, could touch on any of the major themes identified within the AU Climate Change and Resilient Development Strategy.

These include, but are not limited to:

- Clean energy
- Climate-smart agriculture and sustainable land management
- Biodiversity conservation
- Green economy and sustainable value chains
- Sustainable fisheries management
- Water storage and conservation
- Waste management and circular economy
- Green transport
- Climate resilient infrastructure
- Resilient and climate smart cities

From the 2,000 applications received, 70 innovators from across Africa were shortlisted and invited to attend the Climate Action Innovation Hub held at the African Union House.

In this booklet, meet them and learn more about the exciting climate action work happening on the continent.



GREEN FARM

Adam Tabbouche runs an initiative called "Green Farm," being implemented by the association Bariq21 in collaboration with the Punud program in the Skikda region of Algeria. It entails the establishment of a pilot farm that operates on renewable energy sources, with the primary objective of actively engaging in the mitigation of greenhouse gas emissions. This is a community-focused initiative, with women as a core constituent.



Adam Tabbouche | Algeria

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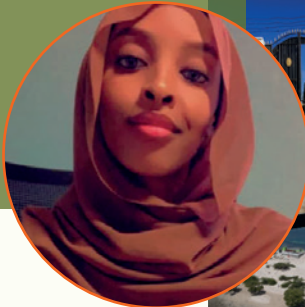


Jawahir Mohamed Hassan is currently the Chief Operations Officer at Tamarso Energy & Industry with 5 years' experience in providing energy solutions to commercial entities as well as households. Tamarso is a medium enterprise delving into the renewable energy space, specifically provision of solar energy.

Jawahir Mohamed Hassan | Somalia

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TAMARSO ENERGY



PLASTICRAFT

Sonia Umulinga is a climate activist who presents her commitment to the environment by bringing circular and environmental solutions through Plasticraft Ltd – where she is the CEO. Plasticraft is a social enterprise and creative space that produces handcrafts from plastic wastes collected from local communities in Kigali.



Sonia Umulinga | Rwanda

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YOUTH PARTNERSHIP FOR CLIMATE ACTION AND SUSTAINABLE AGRICULTURE



Jessica Brima Sesay is a Sierra Leonean and the current Secretary General for the United Nations Youth Advisory Group in Sierra Leone, among other titles. She is the Founder and executive Director of Youth Partnership for Climate Action and Sustainable Agriculture Sierra Leone - an organisation that seeks to empower the next generation of impact-driven emerging leaders to become problem solvers and pioneers for the Global Agenda, focusing on the youth and women in creating sustainable communities by implementing strategies that address the matching crises of youth unemployment and climate change.

Jessica Brima Sesay | Sierra Leone

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BAMBOO LABS

Abel Hailegiorgis is the Founder and CEO of Bamboo Labs, a social enterprise that promotes affordable, accessible, and sustainable transport mobility by using renewable resources to create a positive environmental impact. Bamboo Labs started as an enterprise that produced wheelchairs framed entirely out of bamboo and has recently expanded its production to bamboo-made bikes. Abel's vision is to revolutionise the Bamboo industry in Ethiopia and beyond.

Abel Hailegiorgis | Ethiopia

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NATIONAL AGENCY FOR ENVIRONMENTAL QUALITY CONTROL, IP (AQUA)

Jacinta Laisone is the Provincial Delegate of the National Agency for Environmental Quality Control in the province of Gaza, Mozambique. She has been an environmental educator since 2000, having worked with schools and communities in the coastal zone of Mozambique. From 2010 she started working on restoring the mangrove ecosystem in the Limpopo River estuary in Gaza, Mozambique.

Jacinta Laisone | Mozambique

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KYUKA VENTURES INNOVATION HUB

Sonko Jamal is from Kyuka Ventures which is working at the intersection between reliable energy provision and sustainable clean energy for off grid communities in the face of climate change, leading our global transition to a socially inclusive and environmentally sustainable greener economy.

Sonko Jamal | Uganda

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THE RALLYING CRY

Linda Sewe is the Engagement and Culture Officer at The Rallying Cry in Kenya. This initiative drives strategies and engagements that bridge the finance gap of women leaders operating climate-smart agribusiness in Africa. The Rallying Cry provides advisory and capacity-building support, convenes and connects capital providers and agri-preneurs whilst amplifying African women's lived experiences and frontline climate leadership. Linda's work seeks to address gender inequality, climate change, resource scarcity, poverty eradication.

Linda Sewe | Kenya

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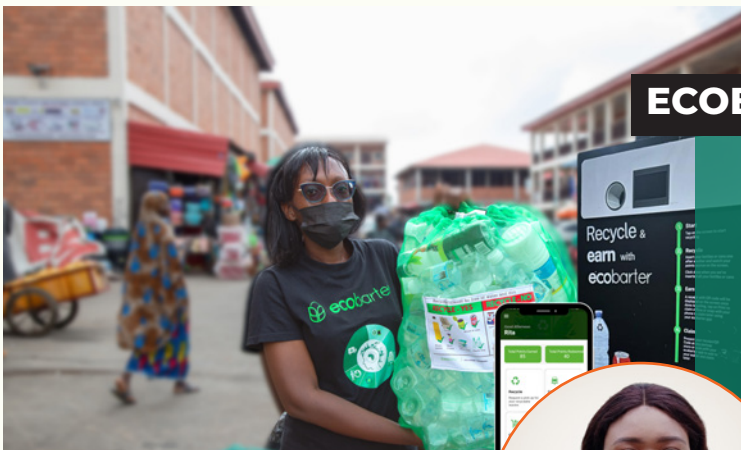
THE RALLYING CRY

AN ECOSYSTEM INITIATIVE AT THE INTERSECTION OF CLIMATE AND GENDER

SPEAKER: LINDA SEWE
info@therallyingcry.org

CALL TO ACTION

INVEST IN AFRICAN WOMEN LEADING CLIMATE ACTION



ECOBARTER

Rita Idehai is the founder and CEO of Ecobarter, a technology enabled start-up helping Nigerian households use their wastes as a currency.

Ecobarter innovatively keeps wastes away from the environment and improves Nigeria's adaptive capacity to climate risks such as flooding.

Rita Idehai | Nigeria

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enabling Nigerians use wastes as a digital currency...

MAWEJJE CREATIONS

Maweje Muhammed Dimma is the founder and Team leader at Maweje Creations. This innovation seeks to revolutionize the Fashion Industry Using Plant-based Substances (banana fibers & organic cotton) and Textile waste (fabric offcuts & second-hand clothes) to Mitigate the Challenges Of Fast Fashion and Climate change.

●●● **Maweje Muhammed Dimma**
●●● **Uganda**

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AIRQO

Engineer Bainomugisha is the Head of the Department of Computer Science at Makerere University, leading their pioneering AirQo project. AirQo builds and uses low-cost sensors and artificial intelligence (AI) models to accurately monitor and forecast air quality. Together with his team, Engineer is working to expand this project from Kampala to other cities across the continent, including Nairobi, Kisumu, Lagos, Yaounde, Doula, Accra, and Bujumbura.

●●● **Engineer Bainomugisha | Uganda**

<https://airqo.africa>



CHEVEUX ORGANIQUE INTERNATIONAL LIMITED

Michael Basangwa is the Operations Manager at Cheveux Organique International, which produces a plant-based hair extension (braids) derived from 100% banana fiber. These biodegradable extensions are eco-friendly, hypoallergenic, non-irritant, reusable and durable. The plant-based extensions are an alternative to synthetic hair extensions. Cheveux Organique is a community-based organization that is empowering women, youth and people with disabilities working in the banana production industry.

●●● **Michael Basangwa | Uganda**

www.cheveux-organique.com





DOSY

Nouran Farouk is the CEO of Dosy, co-founded with her sister Menna Farouk. She has more than 7 years of experience in well-being and nutrition which also helps in convincing our customers of riding environmentally friendly means of transport like bicycles and e-scooters.

●●● **Nouran Aly Farouk | Egypt**

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FLAMINGO SANITATION SOLUTIONS

Melanie Holderness is one of the founding directors of Flamingo Sanitation Solutions which is a circular economy solution to South Africa's water and sanitation crisis. Through the piloting of a dry toilet, Flamingo Solutions seeks to address the dire sanitation and pollution issues in a particular area of the Western Cape, where human waste is spilling into local communities, the sea, rivers, streets and lagoons in the nearby area.

●●● **Melanie Holderness | South Africa**

melanie@flamingosanitation.org



NDF ENERGY

Atushe Mubonenwa is 22-year-old first-year power electrical engineering student at the Namibia University of Science and Technology. She is passionate about sustainable energy and tackling climate change through developing innovative solutions. Her business idea focuses on enhancing access to hydrogen vehicles in Africa through retrofitting.

●●● **Atushe Mubonenwa | Namibia**

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MWAMBAO COASTAL COMMUNITY NETWORK TANZANIA

Mohammed Juma was raised on Tumbatu Island, Zanzibar - one of the famous artisanal fishing communities. His desire is to support artisanal fishers to build resilience in the management of their surrounding coastal and marine resources by inspiring communities to understand their roles and responsibilities in maintaining healthy coastal and marine ecosystems through conservation.

 **Mohammed Ame Juma | Tanzania**

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AFRICAN ASSOCIATION OF YOUNG INSURANCE PROFESSIONALS (YIPS AFRICA)

Tobi Osanaiye is the Founder & President of the African Association of Young Insurance Professionals (YIPs Africa) and an employee of FBS Re where he serves as a Senior Business Executive with specialization in Underwriting and Marketing.

Tobi's passion for Sustainable Insurance gave him the opportunity to be selected as a Fellow of the 2021 Climate Academy anchored by the United Nations University – Institute for Environment and Human Security (UNU-EHS) in affiliation with Munich Re Foundation and the United Nations Framework Convention for Climate Change (UNFCCC), where he is using his risk management and research skills to explore how ambitious actions in our risk management, insurance, and investment activities can help achieve the 2030 SDGs.

 **Tobi Osanaiye**

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SOS BIODIVERSITY



Tidjani Abbas, is from the Central African Republic is the founder and leader of Agro Bio Solutions (ABS) in Benin - an innovative company specialized in the production and marketing of organic agricultural inputs. This company is dedicated to the research, development, and distribution of environmentally friendly agricultural products, with the aim of enhancing the quality and sustainability of agriculture. Our commitment to eco-friendly farming practices and our unwavering passion for innovation are at the very heart of our mission.

 **Tidjani Abbas | Benin**

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CARLOS MORGADO FOUNDATION

Ruben Ferreira Morgado, founder of RM-Arquisign, Lda, was born in Maputo. He has a Master's degree in Architecture and Sustainable Design from the Catholic University of America in Washington DC. Entrepreneur from an early age in the area of architecture and design, Ruben has developed health, education and residential projects and, more recently, turned to renewable energy, developing energy transition solutions for rural areas through the Carlos Morgado Foundation.

 **Ruben Ferreira Morgado | Mozambique**

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AGRI-HYDRAULICS BIKE TECHNOLOGIES

I am Awii Clinton, the CEO and Founder of Agri-hydraulics Bike Technologies. Agri-hydraulics Ltd is a pioneering company specializing in the manufacturing of hydraulic-powered refrigerated bikes designed for the transportation of milk and fresh produce. I strive to make a positive impact in the agricultural industry by creating solutions that address the unique challenges faced by farmers. Through Agri-hydraulics Bike Technologies, I aim to revolutionize the way farmers transport their goods, contributing to a more sustainable and efficient agricultural ecosystem. My vision is to empower farmers with cleantech solutions that optimize their operations, improve productivity, and ultimately contribute to global food security. With a relentless pursuit of excellence, I am committed to driving positive change in the agricultural industry through exceptional design and innovative technology.

 **Awii Clinton | Kenya**

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HYDRAULIC POWERED MILKING BIKE

MILKING, REFRIGERATION, TRANSPORTATION OF MILK
AND COMPUTER BASED INTERFACE

Agri-Hydraulics offers Hydraulic powered milking bikes with a refrigerator mounted on it. The bike has a computer based integration web service for farmers.

CLEAN ENERGY FLUID TECHNOLOGY



RAINMAKER ENTERPRISE

James Thuch Madhier is the founder and CEO of the Rainmaker Enterprise, a non-profit social enterprise that transforms lives in conflict- and climate-change-affected regions by providing solar-powered water infrastructure. This improves community health through irrigation farming, boosting food production levels to address extreme hunger.

 **James Thuch Madhier | South Sudan**

james@rainmakerenterprise.org



AGRO-BUSINESS CONSULTING GROUP

Agro-Business Consulting Group (ABCG) is a limited liability fruit and vegetable enterprise in Linia District, Chad. ABCG provides households with fruits and vegetables such as tomatoes, onions, okra and garlic for their daily home cooking as well as fish and meat.

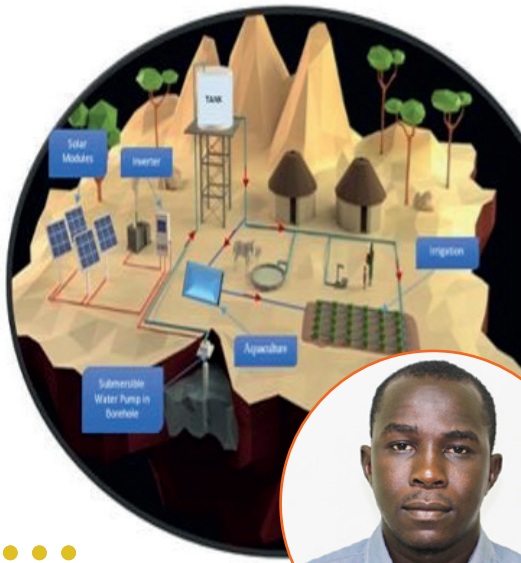
The holistic system uses submerged solar water pumps and drip irrigation on one hectare to grow high values crops such as tomatoes, onions, carrots and garlic as well as to a trough for feeding livestock. The water from the aquaculture as well as the fish wastes are supplied to the irrigation system. Animal wastes are also used as fertilizer. Concretely, this method is a response to improve agricultural production and improve animal health throughout the year.

ABCG wants to maximize profit and create more jobs for youths and women.

 **Marne Ramadan | Chad**

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BIO CLIMATE HUB

Madagascar is one of the greatest hotspots in the world for the conservation of biodiversity. Our climate action concerns the restoration of the aquatic ecosystem by repairing the natural environment of the penjy or Lepironia in the region of Toamasina, on the east coast of the island, where 80% of its populations live on the environment (agriculture, fishing, forest, crafts, etc.) to survive. This results in conflict between environmental conservation and rural development. Excessive exploitation in its natural environment of penjy or Lepironia, a herbaceous plant used as a raw material for Betsimisarakas baskets.

This innovative action involves the creation of a simple and easy training manual dedicated specifically to rural adult women out of school, followed by a mass training session. This manual contains training on the new method of harvesting by cutting the stem of penjy or Lepironia as well as the approach to nursery production, helping to restore the natural environment of the soil.

 **Hanitriniaina Julia | Madagascar**

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COMMUNITY CLIMATE ACTION TRUST



Innovators for Climate Resilience ICR

Innovators for Climate Resilience is a team of youth comprising of a Climate Change Researcher, Gender and Community Development Specialist as well as an Information Communication Technologist. Under the Catalytic Grant Award, the team is developing a digital tool for mapping Adaptation Interventions for Climate Impacts in Local Communities.

The team is led by Eric Morgen Moyo the founder of Community Climate Action Trust.



Eric Morgen Moyo is a Climate Action practitioner, a Climate Justice Research consultant, and the founding director on Community Climate Action Pass, a climate change-focused non-governmental organisation. He has a keen interest on the use of movement-building, advocacy and research as approaches to address the structural and systemic issues hindering empowerment of the African youth.

Eric has been actively involved in leading regional and local researches on climate change as well as youth development issues which included amongst others, Mapping of Young Climate Justice Advocacy in Zimbabwe for WWF, and Plan International's National Research on Mapping Youth Civic Society for Climate Resilience. Apart from his research work, Eric is actively involved in conceptualization and development of innovative tools for climate resilience through his Innovators for Climate Resilience Group.

 **Eric Morgen Moyo | Zimbabwe**

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SYNGENTA FOUNDATION

Samuel GUINDO, Agriservices Program Manager, Bamako – Mali and AICCRA project focal point for the Syngenta Foundation. Samuel joined SFSA in 2016 as Coordinator of the Regional Rice Project. Since 2018, he has held the position of Agriservices Program Manager. Before joining SFSA he worked in agricultural research for 5 years as Scientific Officer at ICRISAT. He has remarkable experience in managing Food Security and Livelihoods projects with international NGOs such as Oxfam GB, Action Against Hunger where he worked for more than 5 years as well. He is an agronomist by training and has a master's degree in Agricultural Policy and Farmers' Economics. Today, with more than 16 years of experience Samuel is in charge of the development of Agriservices program projects, the promotion of agricultural entrepreneurship and youth and women's employment, and the dissemination of climate-smart technologies.

 **Samuel Guindo | Mali**

samuel.guindo@syngenta.com



MUKULIMA SOKO

MukulimaSoko is a Civic and AgriTech platform that gives a voice to agricultural stakeholders, promoting transparency and problem-solving. It puts the spotlight on small farmers and agricultural experts, disseminating farming techniques horizontally to strengthen resilience to climate change.

It is an interactive digital and physical space where experts share their knowledge and farmers present their specific challenges. These exchanges generate solutions for farmers, which also serve as a reference for others in similar situations. The platform is complemented by physical mini-labs, involving communities in the adoption of sustainable farming practices, reducing dependence on imported chemical inputs and stimulating local production of organic fertilisers.

 **Mbumba Lapaque | DRC**

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GREEN COMPOST IN AGRICULTURE FOR DEVELOPMENT

My name is Abubakarr Ibrahim Ndopaie, a Sierra Leonean graduate with a Bachelor's degree in Sociology from Njala University, and graduate certificates in Evaluating and Managing for Sustainable Development Impact from Wageningen University & Research and in Applying Ecosystem Restoration Intervention.

I am the Founder and Head of Program for Green Compost In Agriculture for Development, and with over 5 years' experience in transforming waste to wealth and linking waste to promote sustainable agricultural practices to enhance food security. I am passionate about climate change, a youth green entrepreneur, an advocate for climate and small-holders farmers community's livelihoods.

 **Abubakarr Ibrahim Ndopaie | Sierra Leone**

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FARMER LIFELINE TECHNOLOGIES

Jacob Maina recently joined Farmer Lifeline as the Technology Lead (CTO). He is a senior software engineer, holder of a Bachelor's degree in Information Technology Projects Management, and a graduate of Africa's best coding school-Moringa School. He has 7 years experience building AI and Machine Learning systems ranging from intelligent transport systems to intelligent agricultural systems.

Farmer Lifeline Technologies provides agri-technology solutions to detect crop pests and diseases. It offers a crop pest and disease detection device allowing farmers to avail on an order-a-device or lease-a-device basis.

 **Jacob Maina | Kenya**

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SAIIAS YOUTH POLICY COMMITTEE



Hajar ahjum-mathee is a 20-year-old student at the University of the Western Cape (UWC) where she studies medical bioscience. She is a self-acclaimed intersectional feminist and young leader, and an advocate of gender equality and women empowerment. At 16, she published her first journal article on intersectional feminism and currently serves as the Senior Director for Delegate Experience at the International Model United Nations Association (IMUNA). She continues to be involved in both climate and multiple gender activism projects, advocates online and is a National Focal Points person for the Inclusive Societies Youth Policy Committee (YPC). Recently she was a coordinator and part of the final editing team of South Africa's first ever Youth Gender Action Plan. In 2023, Hajar was invited as a representative for the annual Commission on the Status of Women Conference in at the UN Headquarters in New York.

 **Hajar ahjum-mathee | South Africa**

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LABORATOIRE DE RECHERCHE EN AQUACULTURE ET ECOTOXICOLOGIE AQUATIQUE (LARAEQ)



Je suis Zoulfaou SIDI OROU MASSARA, Doctorante en pêche et Aquaculture (Agronomie) à l'Université de Parakou et également Titulaire de licence en Médiation et Facilitation de Développement (Sociologie). Jeune activiste engagée pour le climat et le droit des enfants et des femmes. Présidente de l'ONG AFRICA SHINE, organisation spécialisée dans l'éducation environnementale, la protection de l'enfance et dans le leadership et l'entrepreneuriat féminin. Alumni de plusieurs programmes: Nairobi summer school 3 au Kenya, Ashoka Afrique francophone au Sénégal, Université d'été des droits humains au Burkina, et également lauréate de plusieurs prix, etc.

•••• **Zoulfaou Sidi Orou Massara | Benin**

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LANFORCE ENERGY

Judith Marera is the founder and CEO of Lanforce Energy in Zimbabwe. This is a women-led for-profit social enterprise in the renewable energy sector. Lanforce seeks to eradicate energy poverty by providing access to portable, commercial biodigesters. Judith is passionate about eradicating energy poverty and empowering women by going green for future generations.

•••• **Judith Marera | Zimbabwe**

judith@lanforce.co.zw



LUSAKA SMOKELESS CHARCOAL

Lusaka Smokeless Charcoal, is a female-owned startup, dedicated to tackling climate change and uplifting communities in Zambia. It focuses on crafting premium biomass charcoal briquettes and is actively creating employment opportunities for women and youth through production skills development in sustainable energy solutions. This innovation blends traditional wisdom with modern techniques in the production process, yielding briquettes that ignite efficiently, actively driving a circular economy, curbing carbon emissions, and preserving Zambia's invaluable forests.

•••• **Mambwe Sibande | Zambia**

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MIHARI NETWORK



Tianome Andriantsalama is from Mihari Network of locally managed marine areas. This innovation includes the collection of data using new technologies for monitoring fisheries and tracking infringements in protected areas in Madagascar. The Mihari Network sets up a national online database that can be consulted by all actors on the vulnerability to climate change of income-generating activities of communities. Local data is collected directly by the local communities who are trained in using new technologies (App and smartphone). These will be automatically uploaded to a local MIHARI server, which will perform the analysis automatically to be shared in real time with the actors.



Tianome Andriantsalama | Madagascar

tianome@mihari-network.org



MOBI-WATER

Kelvin Gacheru is the CEO and Founder of Mobi-Water, a company that specializes in real-time water monitoring, management, and billing software. Mobi-Water utilizes cutting-edge smart sensors and meters to collect real-time data and analytics, allowing communities, businesses, and utilities to efficiently monitor water availability, usage and ground water health. This innovative approach helps increase water access in vulnerable communities by up to 30%, while reducing water wastage and over-use in heavy consumers by 15%.



Kelvin Gacheru | Kenya

gacheru@mobiwater.co.ke



WATER FOR DEVELOPMENT (WATER4DEV)

Water For Development (Water4Dev) is a youth-led community-based organization operating in Burundi with a core mission to improve access to safe water, sanitation and hygiene services through the local production and supply of chlorine and the provision of water treatment services.

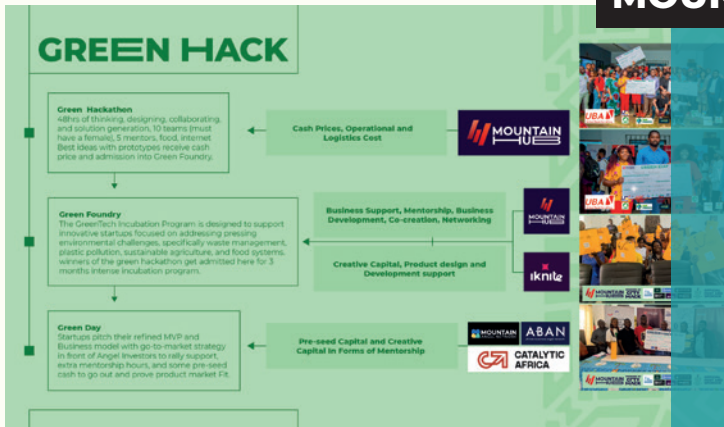


Erik Niyikiza | Burundi

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MOUNTAIN HUB | GREEN HACK



Ayuk Etta started GreenHack as part of a business called Mountain Hub. GreenHack is a nationwide hackathon targeting youth and girls in cities in Cameroon where every month, in each city, we run a 48-hour green technology hackathon on climate and environmental sustainability ideas to solve local problems and provide solutions that can be scaled across the continent. Three top winners are awarded cash prizes and entered into a green tech incubator to help build their prototype.

Ayuk Etta | Cameroon

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MPEPU ENERGY

Madalitso is an industrialist, innovator and a sustainable energy expert. Mpepu Energy has developed a novel climate action innovation for generating wind electricity called the Helix Wind Turbine. Unlike the conventional 3 rotor blade design, the helix wind turbine is capable of generating electricity at lower wind speeds and heights below 1 meter. It targets rural communities as a means of providing clean and affordable energy to rural households.

Madalitso Chimpeni

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POWERSTOVE ENERGY



Okey Esse is a Nigerian entrepreneur and CEO of Powerstove Energy, a company he founded in 2015. Powerstove Energy is a clean energy company that specializes in the production of clean cookstoves and other renewable energy products. Their clean cookstoves are designed to reduce emissions and improve air quality, while also being affordable and accessible to people in low-income communities.

Okey Ibekwe Esse | Nigeria

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FARMSPACE TECHNOLOGY

My name is Tijjani Ali Lawal from Nigeria, am the co-founder of Farmspace technology where we offer affordable soil testing-as-a-service to smallholder farmers to help them use fertilizer and other farm inputs more efficiently. We have developed an on-field portable AI-powered soil analysis device that measures soil parameters such as nutrients, PH, moisture and conductivity on real time then provide actionable data-driven precision farming insights to help farmers increase their productivity and sustainably manage the soil with less environmental impact.

 **Tijjani Ali Lawal | Nigeria**

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GREENREV GR



Joseph Niyomukiza is a social entrepreneur and leader who has led several projects focused on youth and women development, capacity building, digital economy, job creation and SME development, environment, climate change, food security and nutrition.

Through Greenrev GR, he is currently focusing on digital skills enhancement for job creation and feeding the city by promoting urban farming and technology adaptation in the agriculture sector, including the use of renewable energy, cold chain and the circular economy.

 **Joseph Niyomukiza | Rwanda**

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UR-GRID INNOVATION AND INCUBATION HUB



Pascal Nyiringango is a Ph.D. candidate with a research topic related to the impact of university-embedded hubs, and he has a Master's degree in social entrepreneurship and innovation. He is the Head of Business Development and Commercialization at the African Centre Of Excellence In Energy And Sustainable Development.

At the University of Rwanda, the Grid Innovation and Incubation Hub (GIH) includes the PV-Grid Power System - an electronic device that is used to connect and change automatically between solar and regular energy sources with a small amount of delayed time.

An additional innovation he is involved with is the Gorilla Cook Stove (biomass gasified stove).

 **Pascal Nyiringango | Rwanda**

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KCG AQUATEC FISH FARMING CONSULTANCY COMPANY



My name is Scola Kevin Ponera, I am a Co-Founder at KCG Aquatec Fish Farming Consultancy Company, I poses Masters in Business Administration (MBA), Msc. Natural Resource Management and Sustainable Agriculture (MNRSA) and Bsc. Wildlife Management (WL).

•••• **Scola Kevin Ponera | Tanzania**

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AGRONOMYBOX BY UMOJALANDS

Kumbirai is a young technology entrepreneur who is very passionate about technology for social good. He is the current Co-founder and Chief Operating Officer at UmojaLands, an integrated tradFI - DeFi company driven to reduce the financing deficit of marginalised smallholder farmers in the emerging rural economies of Africa. Umojalands offers three digital services to improve food security in Zimbabwe and southern Africa, through land utilization, access to finance for small holder farmers and advisory services on precision farming.

Kumbirai is a Computer Scientist by profession and holds numerous certifications in ICT, Leadership, Business and Entrepreneurship. A well rounded speaker who has spoken at a number of high level tech events locally and internationally, Kumbirai finds fulfilment in building and nurturing partnerships with stakeholders, local and marginalized communities, civil society organizations and business leaders.

•••• **Kumbirai Emmanuel Chimukupete | Zimbabwe**

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Agronomy Box



OCTAVIA CARBON | PROJECT HUMMINGBIRD: AFRICA'S FIRST DIRECT AIR CAPTURE (DAC) + STORAGE PLANT



Diana Maranga leads the business team at Octavia Carbon which is the Global South's first Direct Air Capture company. This innovation filters carbon dioxide directly from the air which can be permanently stored underground or turned into climate neutral carbon products, such as sustainable aviation fuels.

•••• **Diana Maranga | Kenya**

diana@octaviacarbon.com

ORGAFERT LTD

**ORGA
FERT**
ORGANIC FERTILIZER



Nana Kusi Appiah is a young individual with over six years of experience in the Agricultural sector. Currently, he serves as the Business Lead for OrgaFert, a fertilizer start-up which he founded. With a Bachelors Degree in Agriculture (Crop Science Major), Nana is committed to helping farmers produce more food to meet the growing population. He is dedicated to making a positive impact in his community and beyond, striving to find innovative solutions to complex problems and empowering others to do the same for a sustainable world.

Nana Kusi Appiah | Ghana

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PROSECT FEED LIMITED

Kwabena Tufour works for Prosect Feed Limited, a black soldier fly project in Ghana that uses supplied fresh, dried or used waste as base material for the formulation of feed for poultry, fish and pigs. His project is run in communities-rural and peri-urban areas where most poultry and related livestock operations are based.

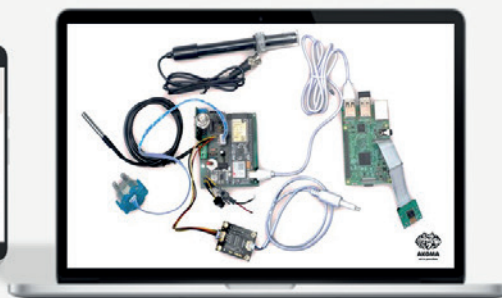
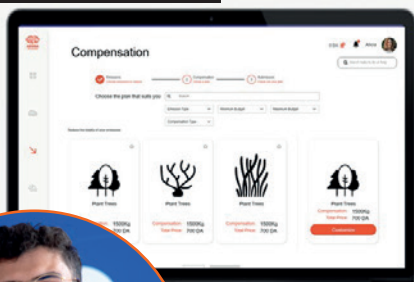
Kwabena Tufuor | Ghana

kwabenatufuor@gmail.com



www.prosectfeed.com

AKOMA.EARTH



Rayene, a 23-year-old co-founder of Akoma.Earth, combines his skills in Electronics, Embedded Systems Engineering, and Web Development to combat climate change. He leads the AIoT team behind a Coral Bleaching detection system and actively participates in startup and robotics challenges. Rayene's passion lies in leveraging technology, AI, and IoT to promote environmental sustainability and drive innovation for a greener future.

Slimani Rayene Si Mohamed | Algeria

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SANA SOLAR

Thobeka Zuma is a Quantity Surveyor by training and passionate about green building and sustainable cities. She is the founder and coordinator at Sana Solar, an ed-tech start-up whose objective is to bridge the skills shortage gap in the renewable energy sector.

Thobeka Zuma | South Africa

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SANIVATION

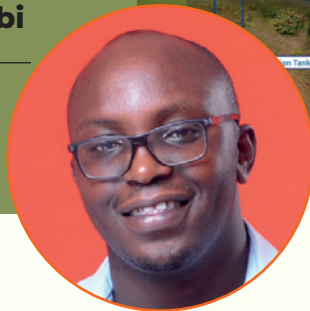
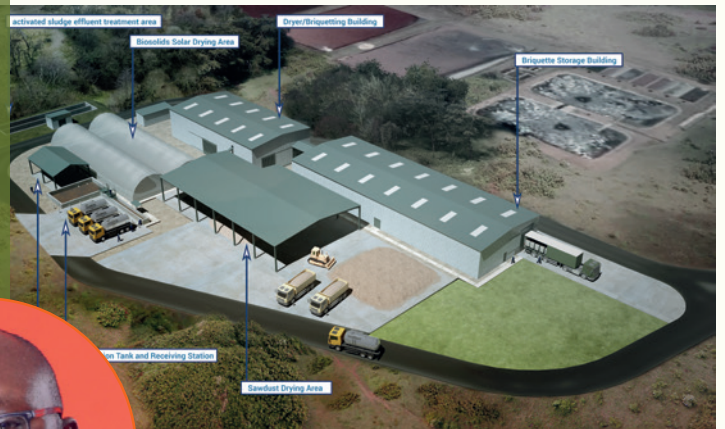
Shadrack Omwenga works for Sanivation, a Kenyan company which is supporting local governments to tackle the waste management challenge in African cities. Through partnerships with local communities, governments and water utilities, Sanivation helps to clean up cities, create jobs, and mitigate climate change.

Shadrack Omwenga | Nairobi

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TEAMUPCYCLERS

Jennifer Obiorah is an award-winning climate activist whose achievements and breakthroughs in the climate, environmental, economic, and SDG sectors are a testament to her unwavering commitment to creating positive change and her visionary leadership.

Her initiatives have been instrumental in reshaping the landscape of environmental sustainability. She has successfully reduced greenhouse gas emissions in the textile, plastic, and furniture industry by 40 percent in her community, Enugwu Agidi, and neighbourhood. Her relentless pursuit of a greener future has positioned her as a frontrunner in the race to combat climate change. Through her sustainable businesses, TeamUpcyclers, she upcycle textile wastes gathered from tailors shops into reusable sanitary pad and artworks.

Jennifer Uchekukwu Obiorah | Nigeria

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LOCAL CITIZEN FOUNDATION UGANDA (LOCIFU)

I'm Musimenta Godwin and I am a climate change advocate and the Director and Founder of a non-profit local community-based organization called Local Citizen Foundation Uganda (LOCIFU).

Currently, I am running a project called "Women's Empowerment for Resilience and Adaptation against Climate Change in Rubanda District. In Uganda, women make up a large part of the country's agricultural workforce, yet the importance of their role remains largely unrecognised. Their voices and concerns as farmers are scarcely heard at the national and global levels. The result is a disproportionate mismatch between rural women's voices and decision-making roles and their enormous contribution to rural climate change action.

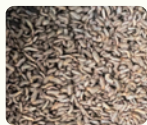
 **Musimenta Godwin | Uganda**

musimentagodwin2014@gmail.com



WOMEN INCOME NETWORK

From Maggots- to Zero Waste to - Millions/ Economic Resilience



From Maggots



Zero Waste



To Millions



Janepher Matini, an accomplished economist accredited by Uganda's Makerere University, is a passionate advocate for climate change and the economic empowerment of marginalized rural women. As the Co-Founder and Finance Manager of Women Income Network (WIN), she drives impactful change through pioneering Maggot Farming Technology.

This innovative approach effectively addresses challenges associated with improper organic waste disposal, the largest contributor to environmentally harmful greenhouse emissions by converting biodegradable waste into eco-friendly products like bio-fertilizer and Maggo-Feed. She adeptly applies her knowledge of economics to harness principles that propel growth mechanisms and also serves as a Youth Representative in her district, exemplifying unwavering dedication to uplifting communities and spearheading innovative change.

 **Janepher Matini | Uganda**

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EASYZAMBIA

EasyZambia is an initiative established with a mission to enlighten and empower the youth of Livingstone, the tourist capital of Zambia, towards achieving lasting environmental sustainability. Through innovative programs like the Environmental Literacy Program and Art for Nature, EasyZambia takes proactive steps to promote comprehensive environmental education within the community.

At its core, EasyZambia recognizes the vital role of education in fostering a deep understanding of environmental issues and inspiring climate action.

Chiteu Kasongo | Zambia

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TEAM TWENDE GREEN ECOCYLE

Twende Green Ecocycle is committed to making a positive impact on the environment, while also supporting education development and creating employment opportunities for the local community. They recently won Kshs 3.5 Million at the Mombasa Plastics Prize Awards and Celebration. The winning innovation involved the use of a special machine to recycle plastic into a material that can be used to make durable, easy-to-clean and affordable school eco-desks.

Lawrence Kosgei | Kenya

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UMOJALANDS



Tafadzwanashe Gavi is the founder of the company Umojalands, a climate fintech startup that provides remote satellite imagery and AI technology to help farmers adapt to a changing climate. By providing accurate fertility mapping and information about water stress in crops due to changes in temperature, weather forecasting, and crop productivity data, Umojalands is helping to minimize the risks posed by a changing climate. He hopes that through Umojalands, more farmers will be able to access the resources and tools needed to mitigate climate change impacts on the agricultural sector and preserve the livelihoods of farming communities.

Tafadzwanashe Gavi | Zimbabwe

Umojalands@gmail.com



DEWISE (THE SOLAR VILLAGE)



Seka Jean Blaise is the president and founder of DeWise, a youth-led initiative that is making an impact in the energy sector in Cameroon.

The initiative is empowering young Cameroonians to implement clean energy technologies tailored to the specific needs of rural communities in Cameroon, not only improving public health but also reducing the burning of fossil fuels in rural communities.

Seka Jean Blaise | Cameroon

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freshfare

FRESH FARE LTD.



She is the co-founder and CEO of an Agri-Tech startup: Fresh Fare Ltd. Sheila is passionate about rebuilding sustainable food systems promoting climate-smart agriculture. Fresh Fare focuses on food preservation for fresh farm produce using cold storage resulting in less waste.

Sheila Moor | Nigeria

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07087177726

OUR SERVICES

SOURCING

1 We source fresh and wholesome farm produce (Fruits and vegetables) from small holder farmers.

WAREHOUSING

2 we store these fresh produce in thermo regulated, Solar powered cold rooms to retain nutritional value and avoid spoilage.

DISTRIBUTION

3 We transport from cold room to door step via our last mile delivery network.

ABOUT US

Fresh fare Ltd is a Nigerian Agro supply chain company. We are leveraging the cold chain technology to reduce food waste, retain freshness and facilitate prompt produce delivery from farm to shelf.

PRODUCT



TROPI-TECHNO

As an agronomist, Labodja Ousmane has been providing technical and organizational support to groups of smallholders since 2012, with a view to developing organic production chains in Togo.

The losses in productive performance that these production actors face, due to their exposure to climatic hazards and land degradation, have enabled Ousmane to commit to consolidating the resilience capacities to climatic and economic hazards of communities of small rural producers through the company Tropi-Techno Sarl of which he is co-founder and Managing Director.

Tropi-Techno promotes high-performance organic local seeds adapted to climatic realities to help optimize agricultural productivity on organic and ecological farms.

The company works on legume seeds (Soybean & Peanut) to help restore soil fertility, in association with perennial crops (Cashew, Néré & Shea) which protect the soil with diversification of income for producers.



Labodja Ousmane | Togo

tropitechno@gmail.com



GREEN BUSINESS CONSULTING



Zakari Yaou is the innovator of green charcoal, a clean domestic fuel designed to be innovative and manufactured locally from invasive plants, particularly water hyacinth. It has characteristics close to charcoal but does not contribute to deforestation (wood cutting).

Zakari is also the creator of the organic fertilizer called "Takin-Noma" which is made from invasive plants, particularly water hyacinth, and poultry, small and large ruminants droppings.

In addition he developed the Biodigester - a device which allows the fermentation of organic matter (animal and/or human excrement, etc.) in an anaerobic environment to produce gas called biogas and effluent which is a high quality organic fertilizer.



Idrissa Abdou Zakari | Nigeria

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GIRLS ADVANCEMENT INITIATIVE



Gloria Norvor works for Girls Advancement Initiative in Ghana that creates biodegradable sanitary pads made from plantain and banana waste. These innovative pads offer an eco-friendly and sustainable alternative to conventional disposable pads, which contribute to plastic waste and environmental pollution. This initiative specifically targets women and young girls in Africa with the aim to address menstrual hygiene challenges while promoting environmental conservation and climate resilience.

●●● **Gloria Norvor | Ghana**

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glorianorvor4@gmail.com



NATURA

Sama Lesly Tankfu, is a 24-year-old founder of Natura, a startup in Cameroon. The Natura Project developed a strategy for the effective control and utilization of invasive water hyacinth to mitigate the impacts on biodiversity, reduce greenhouse gas emissions, improve water quality and reduce the die-off in fisheries.

●●● **Sama Lesly Tankfu | Cameroon**

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[+237670667432](tel:+237670667432)



YOUTH PARLIAMENTARIANS FOR WATER SESSIONS



Zoungrana Nouhou is from Burkina Faso, is a geographer by training, and is pursuing a Master's degree in "Nature-based solutions for climate change adaptation and biodiversity conservation". Involved in youth organisations, he is the Communication and Advocacy Manager of the Burkina Faso Youth Parliament for Water (Parlement National de la Jeunesse Burkinabè pour l'Eau). Co-founder of the Act On Sahel movement, coordinator of the Burkina Youth Biodiversity Network, he has extensive experience in youth organisations working on environmental issues and in the water-biodiversity-climate-agriculture nexus.

●●● **Zoungrana Nouhou | Burkina Faso**

nouhou.zoungrana@gmail.com



African Union



ACS 23

AFRICA CLIMATE SUMMIT



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GCCA+
THE GLOBAL CLIMATE CHANGE ALLIANCE PLUS INITIATIVE

INTRA-ACP GCCA+ PROGRAMME An initiative of the ACP Group of States funded by the European Union's European Development Fund



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REPUBLIC OF KENYA

**MINISTRY OF
FOREIGN AND
DIASPORA AFFAIRS**



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ENVIRONMENT,
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CGIAR

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Accelerating the Impact of CGIAR
Climate Research for Africa

