



FEDERAL MINISTRY OF FINANCE,
BUDGET AND NATIONAL PLANNING
(Budget and National Planning Arm)



Innovation and Knowledge Transfer Partnership

THE NEW ECONOMY FOR ACHIEVING ECONOMIC DIVERSIFICATION, EMPLOYMENT & ECONOMIC GROWTH

T H E M E :

KNOWLEDGE TRANSFER: CASSAVA & BIO-ETHANOL VALUE CHAIN REPORT

**SOUTH-SOUTH REGION AWARENESS & SENSITIZATION
WORKSHOP ON BIO-ECONOMY, EMPLOYMENT AND INCLUSIVE GROWTH USING
CASSAVA-BIOETHANOL VALUE CHAIN DEVELOPMENT PROGRAMME PILOT**

DATE: 8TH -9TH AUGUST 2023 **TIME:** 9AM **VENUE:** ORCHID HOTEL, ASABA



PREPARED BY: CHIANN PROJECTS LIMITED

The Future is here - The New Bio-economy



HIS EXCELLENCY,
BOLA AHMED TINUBU (GCFR)
PRESIDENT AND COMMANDER IN-CHIEF OF THE ARMED FORCES
FEDERAL REPUBLIC OF NIGERIA



REPORT
2023



HIS EXCELLENCY,
KASHIM SHETTIMA (GCON)
VICE PRESIDENT OF FEDERAL REPUBLIC OF NIGERIA



ENGR. NEBEOLISA ANAKO
PERMANENT SECRETARY (FMFBNP)

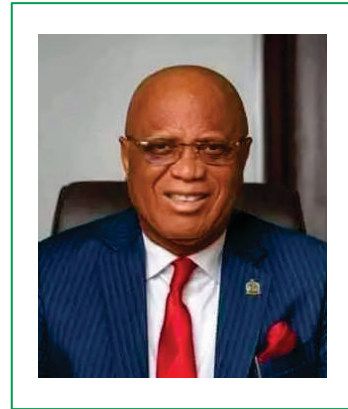
SOUTH SOUTH GOVERNORS



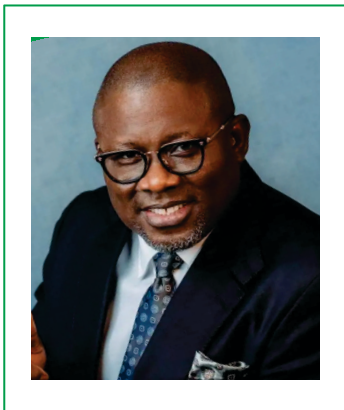
**HIS EXCELLENCY,
BASSEY EDET OTU**
GOVERNOR, CROSS RIVER STATE



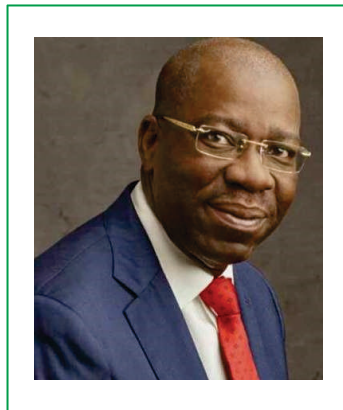
**HIS EXCELLENCY,
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GOVERNOR, BAYELSA STATE



**HIS EXCELLENCY,
UMO BASSEY ENO**
GOVERNOR, AKWA IBOM STATE



**HIS EXCELLENCY,
SHERIFF OBOREVWORI**
GOVERNOR, DELTA STATE



**HIS EXCELLENCY,
GODWIN NOGHEGHASE OBASEKI**
GOVERNOR, EDO STATE



**HIS EXCELLENCY,
AMAOPUSENIBO SIMINALAYI FUBARA**
GOVERNOR, RIVERS STATE



REPORT
2023

REPORT OF THE REGIONAL AWARENESS/ SENSITIZATION WORKSHOP

ON

**THE IMPLEMENTATION OF
THE NIGERIA BIO-ECONOMY FRAMEWORK/
CASSAVA BIO-ETHANOL PROJECT PILOT
SOUTH-SOUTH REGION**

**HELD AT
ORCHID HOTEL, ASABA
ON 8TH -9TH AUGUST 2023**

**PREPARED BY:
CHIANN PROJECTS LIMITED**

WORKSHOP THEME:

Knowledge Transfer, Cassava Value chain and Bioethanol/The New Economy For Achieving Economic Diversification, Employment And Economic Growth

PREAMBLE:

The South-South Regional Sensitization workshop held in Orchid Hotel, Asaba was organized by the Federal Ministry of Finance, Budget, and National Planning as part of the ongoing Awareness/sensitization of critical stakeholders and the public on the validated Nigeria Bio-Economy Framework and the Implementation of the Cassava Bioethanol Pilot Project aimed at driving more inclusive partnership among the critical stakeholders and for the seamless implementation of the Nigeria Bio-Economy Programme.

The South-South regional Workshop was the last of the Regional Sensitization Workshop organized as a follow up to the previous ones organized in Enugu for South-east, Keffi, Nasarawa State for North Central States, Kano, Kano State for North-west, Ibadan for South-West Region, Yola, Adamawa State for North-East Region, and Asaba for the South-South Region. The Nigeria Bio-Economy Program is designed to leverage Bio-resources including cassava to produce Bioethanol and other cassava derivatives including Industrial Starch, Pharmaceutical, Starch, High Quality Cassava Flour HQCF Chips, sorbitol, Animal feeds and Ethanol.

The sensitization workshop drawn participants from the Six South-South states Akwa Ibom, Bayelsa, Delta, Edo, and Rivers States with players from top Government Functionaries, the Agribusiness sector, Academia, Government at all levels including representatives of Government Ministries, Departments and Agencies (MDAs) and Cassava Farmers all the six states were in attendance. (See details in the Workshop Attendance)



REPRESENTATIVES OF THE TRIPLE HELIX MEMBERS: Government MDAs, Academia & Research Orgs, Development Partners, CSOs Private Sector players

WELCOME REMARKS OF THE PERMANENT SECRETARY, MINISTRY OF BUDGET & NATIONAL PLANNING ENGR. NEBOLISA ANAKO



ENGR. NEBOLISA ANAKO,
Permanent Secretary, Ministry
Budget & National Planning

The Permanent Secretary, Engr. Nebolisa Anaka in his opening remarks welcome participants from all the states of the Regional and the national participants to the South-South regional Sensitization workshop and the Delta State Government hosting the sensitization programme of the Nigeria Bio-Economy programmes and the Cassava Bioethanol pilot project.

Speaking on on behalf of the Permanent Secretary, the Director Economic Growth Department of the Ministry Mrs. Elizabeth Egharevba stated that the cardinal goal of the Federal Government through the project is to grow the National GDP, create jobs, reduce poverty, explore opportunities in the Bio Sector while driving innovations to create alternative energy sources that is clean and renewable. The Permanent Secretary stated that this

project is part of the National Development Plan 2021-2025 and adopting a Triple Helix Knowledge Transfer Partnership to transform our research from the Academia and Research Institutions into practical and scalable innovations that will sustain and grow the Nigeria Bio-Economy investment drive in renewable Biomass, food Security and alternative energy for the country.

He further stated that considering the removal of the fuel subsidy and its current biting effects, that it has become imperative to create alternative energy sources and cassava holds that prime position to give use renewable energy, jobs and poverty reduction and again thanked all critical Stakeholders including ADAN and IITA, the State Government for their critical partnership in the country's quest to create a bio-based economy and to put in place mechanism and products for export.



MRS. ELIZABETH EGHAREVBA
Director Economic Growth Department
Ministry Budget & National Planning
Delivering welcome address for the Perm. Sec

GOODWILL MESSAGES

Goodwill Message of His Excellency the Executive Governor of Delta State Rt. Hon Sheriff Oborevwori

His Excellency Rt. Hon. Sheriff Oborevwori represented by the Permanent Secretary, Delta State Ministry of Agriculture and Natural Resources Mr. Ben Agama thanked the Federal Ministry of Finance Budget and National Planning and the entirety of the federal Government of Nigeria for the design of the laudable project and for considering Delta State as the host for the South-South Regional Sensitization Workshop. He stated that the South-South State Government of Akwa Ibom, Bayelsa, Delta, Edo and Rivers States respectively are fully committed to the project and will give their maximum support to ensure seamless implementation for the benefit of the Region and the Nigerian people at large.



RT. HON. SHERIFF OBOREVWORI
Executive Governor Delta State

He welcomed all participants from the region and encouraged them to enjoy the hospital of the State.



MR. BEN AGAMA
Permanent Secretary,
Delta State Ministry of Agriculture &
Natural Resources

GOODWILL MESSAGE OF THE VICE CHANCELLOR OF THE FEDERAL UNIVERSITY OF PETROLEUM, EFURUM DELTA STATE

The Vice Chancellor of Federal University of Petroleum University Resources (FUPRE) Prof. Akpofure Rim-Rukeh in his Goodwill message thanked the Ministry and the organizers for this bold step in the right direction and particularly commended Prof. Ken Ife the project consultant for his tenacity of purpose and sustaining the zeal for a Bio-Economy of the years. He stated that Bioeconomy is indeed the game changer for the energy sector, for the Medical sector and even the food industry and recall an experience of driving a Bio-fueled vehicle powered by an Extract from Jatropha all the way from Kaduna to Delta on a very smooth ride. He emphasized that if countries like Spain can generate millions of Dollars from the Bio-Economy sector, it means that Nigeria indeed can do much more. He further advises the Project Consultant and the Ministry to pursue the enactment of legal frameworks by an act of parliament to further strengthen the operations of Bio-Economy



PROF. AKPOFURE RIM-RUKEH
Vice Chancellor
Federal University of Petroleum
Resources (FUPRE) Delta State

GOODWILL MESSAGE OF NATIONAL PRESIDENT, FUTURE FARMERS COMMUNITY TRUST AMB. J.T YAKUBU.



AMB. JOSEPH YAKUBU
President, FFACET

The President of the Future Farmers Community Empowerment Trust (FFACET Ambassador Yakubu Joseph thanked the Ministry and the Project Consultant, Prof. Ken Ife for this great project and informed the Team that 50,000 Hectares of land were launched on the day of the North Central Workshop to demonstrate their readiness to partner the project in the production of Cassava. The 50,000 hectares of the cassava farm were allocated to 50,000 Youths and more persons are indicating interest to be part of the project and promised to make the list of the 50,000 youth beneficiaries available to the project.

He stated that the implementation of the Bio-Economy project has capacity to make the students and graduates to keep their C.Vs aside and become Bio-Entrepreneurs.

GOODWILL MESSAGE OF ADAN PRESIDENT, PROF. O.J JAYEOBA



In the Goodwill Message of the ADAN President, Prof. James Olumide Jayeoba, he appreciated the stakeholders in the South-south for their massive turnout for the event informed the stakeholders how important Agriculture is to the Nation's economy and how well positioned the Association of Deans of Agriculture in Nigeria Universities (ADAN) to take this project to its right project working closely with relevant stakeholders and the young generation of innovation farmers in the sector.

He stated that ADAN was founded in 1958, just two years to Nigeria Independence and this goes a long way to underpin the importance of Agriculture to the country and since then ADAN has been contribution to the Agriculture profession through producing quality graduates of Agriculture, carrying-out Agricultural problem-solving research, promoting and enhancing the quality of Agricultural Education in Nigeria. He emphasized that ADAN is very committed to improved service delivery, modernization, and professionalism in all her activities, and they will not deliver less for the Bio-Economy Project.

He informed the stakeholders that ADAN through their partnership with the Federal Ministry of Agriculture and Rural Development has earlier established Eleven (11) Agribusiness Incubation Centers (AICs) across different Universities spread among the Six Geo-political zones and further requested that the AICs can be upgraded to Agro Industrial Park under the Bio-Economy Programme. Appreciated ADAN BOT Chairperson Prof. F.M David-Abraham for her continuous push to broker more partnership collaborating with the Executive to explore the potentials of Agriculture.

The ADAN President thanked Prof. Ken Ife for his doggedness and highly intelligent inputs and coordination of the Bio-Economy programme and further appreciated the Ministry Again for the collaborations.

GOODWILL MESSAGE OF SOUTH-SOUTH PRESIDENT, ALL FARMERS ASSOCIATION OF NIGERIA (AFAN)



The South-South President of the All-farmers Association of Nigeria, His Royal Highness Alh B. U Dogo represented by SP Owei expressed the joy of farmers in the region over this very laudable project coming to the south-south States and thank the Ministry and all partners for the designed project focusing on cassava value chain. With adequate capacity building and support, no part of cassava crop will go to waste again.

GOODWILL MESSAGE OF VICE CHANCELLOR OF DENNIS OSADEBE UNIVERSITY, PROF. BEN EMUKUFIA AKPOYOMARE OGHJOJAFOR



PROF. BEN EMKIFUA OGHJOJAFOR

Vice Chancellor,
Dennis Osadebe University

The Vice Chancellor of Dennis Osadebe University, Anwai-Asaba Prof. Ben Emukifua Oghojafor represented by Prof. Imoni O.U thanked the Ministry and further stated that haven read through the project executive brief and the opening statement of the Permanent Secretary of the Federal Ministry of Finance , Budget & National Planning, we have all it takes in the country to translate the designed and structure into the soil and change the narratives of the country positively through Bio-Economy. He requested that Dennis Osadebe University should be considered as strong partner in the project as the University id ready to commit all to a successful implementation.

GOODWILL MESSAGE OF VICE CHANCELLOR OF DELTA STATE UNIVERSITY, PROF. ANDY OGOCHUKWU EGWUNYENGA



PROF. ANDY EGWUNYENGA

Vice Chancellor,
Delta State University

The Vice Chancellor of Delta State University, Abraka, Prof. Andy Egwunyenga was excited by the Bio-Economy programme of the Federal Government being driven by the Federal Ministry of Finance, Budget, and National Planning. The Vice Chancellor represented by the Dean, Faculty of Agriculture Prof. Mrs. Ovueruraye Dicta Ogisi stated that Delta State University have been offering Agricultural Courses for the past 30 years to demonstrated how important Agriculture is to the State and University. Mrs. Ogisi recounted her personal experience trying to study Agriculture 30 years ago, the mockery, the rejection and advise to rather do farming instead of spending money studying Agriculture. However, 30 years, she is still most proud to be called an Agriculturist and

therefore encouraged youths to be proud to study Agriculture and it remain the true sector of the economy to save the world. She particularly mentioned the Learn and Earn Model of the University emphasizing that it's a good model to encourage more people to study Agriculture and thanked the project consultant on the University Model component of the Bio-Economy programme as structured.



PROF. PROF. MRS. OVUERURAYE DICTA OGISI

Dean of Agriculture,
Delta State University

KEYNOTE ADDRESS/PRESENTATION BY THE PROJECT CONSULTANT, PROF. KEN IFE



The Project Consultant Prof. Ken Ife in his opening statement commended the President of the Federal Republic of Nigeria Asiwaju Bola Ahmed Tinubu for the bold steps taken so far upon assumption of office especially the declaration of State of Emergency on National Food Security.

He further declared that there other critical challenges facing this country to requires concerted efforts of all stakeholders and such initiative-taking leadership measures to address and very quickly and he summarized some of the challenges to include.

- Macro-Economic Challenge
- Micro-Economic Challenge
- The Unemployment situation
- The Existence Security Challenge- Boko Haram, Banditry, Kidnaping, militancy Herders-Farmers crisis etc.
- The Waste-Wealth Situation

He stated that the right time for Nigeria to move away from the heavy dependency on imports is now, that this will ensure that the National economic reforms are not negatively affected by external situations that ought not to concern. A Typical example cited were the Russian-Ukraine crisis that has affected Nigeria Disel and Wheat market while Nigeria remains an Oil and Wheat producing country without exploring the full potentials.

The Consultant also hammered under the unemployment situation liking to a country that wants to destroy its future because the youths remain the future any nations and in Nigeria situation, only 7% of the annual graduates are securing jobs while unemployment and underemployment for the young people of 24-40 years is above 60%. The situation was labelled as Time Bomb that this country must not allow to explode. And the Bio-Economy programme is part of such bold steps taken by the Federal Government to curb the situation especially in Job creation, export earnings and creating alternative/renewable energy sources.

He stated a sad fact where Nigeria producing over sixty-two million metric tons of Cassava can leverage the over 25million cassava peels to produce livestock feeds that help the country leap jump her production of fish, cattle, and other small ruminants yet the cassava peels are going to waste across villages in Nigeria.

Coming back to the main presentation of the Bio-Economy programme of the Federal Government, he stated the use of the triple Helix Knowledge Transfer model was intentional and will help to create the right synergies and partnership that drive the project. He mentioned particularly that the Academia especially the Universities are big assets that the country has underutilized in our Agricultural projects' development drive. However, that this project will leverage the Private Sector, Academia, CSOs, Government MDAS and all to ensure seamless implementation of the Nigeria Bio-Economy Programme and the Cassava Bio-ethanol Project pilot.

PLENARY SESSION FOR SOUTH-SOUTH/ ACADEMIA STATE GOVERNMENT



The purpose of this plenary was to understand the various interventions of the States in Cassava value chain and other related issues with a view to partnering with them to consolidate the gains in Cassava Intervention and other bio-resources for a vibrant Nigeria Bio-Economy.

The Plenary Session has representatives of ADAN, State Government (Delta, Edo, Cross River) in the South-South region and the Academia as well as private Sector and Farmers Organizations. The Session was coordinated by Prof. M. A Bamikole while Prof. Etela was the Rapporteur.

The Plenary session discussed various issues especially what should be the key focus of the various stakeholders in the project. In the remarks of the Vice Chancellor of the FUPRE, Prof. Rim-Rukeh, he informed the participants that the University is currently



carrying out some projects in the areas of Bioplastic and encourage the project to support all genuine efforts of the stakeholders to consolidate the gains of the project. He re-emphasizes the need for Nigeria to understudy the what other countries are doing in Bio-Economy especially from South Africa to be more committed to the implementation of Nigeria Bio-Economy programme. The various discussants hammered the issues of ensuring Agricultural Land Development, supply of improved varieties of Cassava Stems, to strengthen research and development activities as well as collaborations. The Representatives of the Delta State Government and Edo State mentioned the various interventions of the states to cassava farmers including provision of land, inputs support and capacity building for farmers.

BIO-ENTREPRENEURSHIP

The President of ADAN Prof. James Jayeoba led an extensive discussion on the activities around Bio-entrepreneurship where he explained the Student participation model designed to create a succession plan for Students of Agriculture from Year to year 5 and with fourth year beneficiaries always taking over the leadership of the student's clusters. Under the model, it was discussed that students will be engaged in bio-entrepreneurship activities and earning income at same time. And the Bio-Entrepreneurship curriculum will be designed to capture students in the primary and Secondary schools, respectively. This will help to create the needed awareness of our environment and ensure that we have adequate well-trained workforce for the Bio-Economic activities of the country.

QUESTIONS AND ANSWERS

After the plenary session, few questions were asked, and further clarification was given by the respective speakers.

SYNDICATE SESSION



Ongoing Syndicate Session Group 1 Ogirinye Innocent; *reporting syndicate Group 1 recommendations*

After the Plenary session for the State Government in the southsouth region the participants break into four (4) Syndicate Groups to discuss the implementation dynamics of the project as it relates to the peculiarity of the South-South region of the Country.

SYNDICATE GROUPS REPORT

Group 1

Title: Hybrid Cassava Foundation Seed Multiplication (TME 419/Obasanjo/Hope) and Cassava Grow-out

Chair: Prof. N.I Odiaka

Rapporteur: Ogirinye Innocent

Syndicate Members: 62 Participants

RECOMMENDATIONS

1. More Sensitization and farmers awareness program should be conducted and intensified.
2. More Seed-Out-growers should be encouraged in strategic locations linked to IITA and Tuber Research Institute, Umudike Farmers should be linked to such Seed Producers.



3. There is a need to have geo-specific varieties tailored towards different needs.
4. Farmers are encouraged to stop recycling their stems to achieve optimum yield per hectare.
5. Different Cassava Varieties should be multiplied across different zones depending on farmers popular demand in such regions.
6. Different Faculties and Colleges of Agriculture should be targeted for Foundation Seeds production to give Certified Stems to farmers in their catchment areas.
7. Such Colleges and faculties should register with the National Agricultural Seed Council and their source of Foundation seeds should be verifiable too.
8. There is need to re-introduce cassava Demo plots to practically demonstrate the traits physically for farmers.
9. Stems should be delivered in March to May for the normal region of the South-south region with late planting in states like Cross River in August-September. While the planting period for coastal communities is between November-December.
10. Cassava field should be prepared for delivery of the stems.
11. Specialized and resolute Mechanization Service Model should be established for the Project in the region and targeted at the Cassava Clusters in the Zone
12. More Tractors should be deployed for the project.
13. Farmers organizations should be involved in receiving and distribution of Seed Stems for onward distribution to their farmers/ members.
14. Farmers should be sensitized on the importance of Insurance.
15. Insurance Subsidies should be provided by Government to encourage off-take by farmers.
16. Farmers should be trained on Early Disease control measures.
17. Quality Weed control chemicals should be supplied.
18. Mechanized Cassava Weeders should be provided.
19. Simple mechanized Cassava Harvesters should be promoted and deployed for the project.
20. Such Harvesters should be subsidized by the Government and Key Promoters of Cassava Value chain Projects.
21. Cassava Aggregation Centers should be established and should be equipped with weighbridge to automatic tonnage measurement.
22. Transportation infrastructure should be conducted include rural feeder roads construction and farm transportation vehicles.
23. Modular on-site processing machineries should be deployed for first level produce processing.
24. Some Standardization mechanism should champion by IITA especially in product marketing including starch content determination that will be understandable by the Farmers and Processors.
25. Guaranteed Minimum Price (GMP) for Cassava should be established.
26. Multiple Produce Taxation should be eliminated.



Ongoing Syndicate Session Group 2

Group 2

Title: Cassava Value Chain Processing

Chairman: Professor Prof. Etela

Rapporteur: Dr. Okpara

Attendance: 70 participants

RECOMMENDATIONS

1. **High Population:** Nigeria has the advantage of high population. Consequently, there exists a remarkably high domestic market for cassava and cassava products at any stage of production, processing, and value addition and it should be explored.
2. **Land Availability and Suitability:** The country has a vast expanse of arable land for the cultivation of cassava. In addition, every state has a huge portion of cultivable land suitable cassava production and processing, more processing facilities should be established.
3. **Export Potential:** Cassava products and by-products has great export potentials to boost the gross domestic product of the country and increase the contribution of Agriculture to national economic growth and development. There are regional and global markets for cassava products and by-products, export market should be targeted in the project.
4. **Massive Job Creation:** Cassava production and processing value chain can play a pivotal role in solving the problem of high unemployment rate in the



country by creating rural and urban employment and as well as creation of new entrepreneurs. Production of more primary raw materials will allow more people to be added to the production process, thereby encouraging the full development of the cassava value chain.

5. **Poverty Alleviation:** Through creation of employment opportunities and, sales and marketing of end products and by-products, cassava value chain can create wealth and thereby reduce poverty among the Nigerian teeming population.
6. **Control of Environmental Pollution:** Cassava wastes and by-products such as peels, leaves, sieves, and bagasse that otherwise constitute a nuisance and pollute the environment can be converted to animal feeds, thereby controlling environmental pollution, and creating opportunities for more integrated cassava systems.
7. **Increase in Technology Development:** Cassava production/value chain will stimulate innovation and technological development through cutting-edge research to produce machines, tools, and equipment which are necessary for good quality products that meet international standards and local needs. This will also encourage the industrialization of rural environments through siting of processing industries.



Ongoing Syndicate Session Group 3

Group 3:

Title: Bio-Entrepreneurship and Curriculum Development

Chairman: Prof. M. A Bamikole

Rapporteur: Prof. Lucky Tajjina Abdulsalami

RECOMMENDATIONS

- Bio-Entrepreneurship is the use of natural resources to create business products that.
- promote economic growth and innovation. It is known as the "Three Pillars" of generating.
- value from advances in life science. Bio-entrepreneurship education should begin in primary school.
- school and progress to tertiary institutions. Advancement in bio-entrepreneurship education
- will receive educational innovation if the government at all levels of education advances.
- interest in entrepreneurship agricultural education, using cassava as an example. Cassava is.
- a gold mine that can be used for a variety of biological and economic purposes, including the
- production of.



1. Cassava Bread (Made from Cassava Flour)
2. Coal Seam Gas (C.S. G)
3. Liquefied Natural Gas (L. N. G)
4. Cassava Drug
5. Fertilizer
6. Animal Feeds
7. Soap, and so on.

Cassava growth and production can be a boon to Nigeria if it is properly integrated into all levels of our educational endeavors. The educational system's research curriculum should be restructured to reflect an industrial base, i.e. Industrial Academia relationships, so that the government at all levels can partner with institutions for sponsorship and proper collaboration. To fully integrate industrial academia into our educational system, we must first;

1. Establish the Agricultural Bio-Entrepreneurship School.
2. Industrial academia workforce production based on entrepreneurship.
3. Modification of teaching methods to reflect entrepreneurship
4. Industrial academia collaboration through intensive SIWES training of students
5. Practical product development research
6. Use of ICT to create a value chain by utilizing social media
7. Special award for the best Agricultural Science Engineer. (Entrepreneurship)
8. Incentive for some of the best graduating students (Grant inform of Loan for start-up) with
9. a focus on cassava production and development.
10. Complete course content review
11. Development of long and short courses such as certificates, diplomas (degrees, master's
12. degrees, and PhDs).

HOW TO GET THESE: - All the following can be accomplished:

When the government, industry, the private sector, or individuals contribute to such development

The government should provide a level playing field for the market of such products by

- prohibiting such importation.
- Establishment of a Price Control Board (Price Stabilization)
- Farmers/Industrial relations (via farmer associations), etc.
- Fostering research and innovation in the field through funding and sponsorship
- The government should strictly monitor the activities of the middleman (price

- increases).
- The government's sincerity of purpose and commitment to cassava product production and development.
 - Specific and current practical occupational knowledge and skill in one or more marketing and entrepreneurship-related areas would be considered an asset:
 - Multitasking programs and event planning
 - Product and service promotion
 - Cassava programming and marketing issues and trends in biotechnology entrepreneurship
 - Cassava farming integrated biotechnology and database content management
 - Cassava project digitization

To summarize, the Nigerian government can make progress and break through by focusing on cassava and oil



Ongoing Syndicate Session Group 4

Syndicate Group 4:

Chair: Prof. Ehi Robert Orhue

Rapporteur: Dr. Daneil Oyobor

Innovation Challenge Fund & Development Partners Intervention

Task: Review of the various development finance intervention from CBN, Blended Finance options, Green Bond, Climate Fund, Carbon Credit, GEF and other innovation finance

1. Title:

- Innovation Challenge Fund and Development Finance Intervention
- Review of the various development finance interventions from CBN; Blended finance options, Green bonds, Climate fund, Carbon Credits, GIEF and other Innovation Finance mechanisms.
- Discussion around cassava bio-ethanol value chain product single digit revolving loan fund.

2. CBN Intervention

3.1 Blended Finance Options

- The blended finance options are strategic uses for development finance and philanthropic funds to mobilize private capital flow to emerging frontier markets.
- Given to cluster farmers known as Private Partnership
- For membership of 20 active groups and above.
- Supplies only Agro inputs like seeds, fertilizers, day old chicks, feed, drugs
- In Delta State, it applies to maize and cassava production.

Recommendations

- Engagement of more cluster groups
- Increase in yield per hectare
- Provision for more funding and inputs.
- Climate Smart Agriculture.
- Precision Agriculture

Some examples of the CBN Interventions are:

1. Anchor Borrower Scheme
2. Nigeria Incentive Based Risk Sharing System for Agricultural Lending (NIRSAL).
3. Youth Entrepreneurship Program.

a)Anchor Borrower Scheme

- This is an intervention by CBN given to 20 members and above in clusters for inputs like seeds, fertilizer, feed, day old chicks etc.
- The beneficiary must open an account with a Commercial bank known as the Participatory Finance Institution (PFI).
- The cluster must cultivate at least 20 hectares and above.

Recommendations

- Identify genuine farmers.
- Ensure monitoring and evaluation to ensure that most beneficiaries do not sell their starter packs
- High default rate should be addressed.

b) Nigeria Incentive Based Risk Sharing System for Agricultural Lending (NISRSAL)

- NISRSAL is a Micro finance Bank arm of CBN.
- It shares an office with most Post Offices in Nigeria
- It advances at least # 3,500,000 loan to individual beneficiary.
- Each beneficiary must undergo some entrepreneurial trainings before they are granted.

Recommendations

- Ensure only genuine farmers have access to the fund.
- Facilitate the formation of cooperatives/clusters.



c) Youth Empowerment Entrepreneurship Program

- This is done to make youth empowered and independent.
- Reduce unemployment rate.
- Reduce crime and social vices.

Recommendations

- Facilitate more of such program
- Adequate funding
- Incorporate in the curriculum the concept of mentor/mentee relationship.

3.2 Green Bond

- This bond is done to assist regenerative agriculture
- It is an arrangement to save the earth from low carbon emission.
- Funding given to beneficiaries to enable investors to equip business with adaptation to set up energy saving power by the government through the CBN.
- The concept is to reduce energy cost in creating a renewable system.
- Beneficiaries are encouraged to be involved in trees planting.
- They come with tax incentives to enhance their attractiveness to invest in the green bond.
- The 2 main examples and the value they have disbursed so far are Corporate Green Bond (N32.83 Billion) and Sovereign Green Bond (₦25.69 Billion).
- Some challenges/ bottlenecks involve sharp practices in the disburse of the fund.

Recommendations

- Create more awareness.
- Ensure due diligence is done in its operations.
- Facilitate more collaborations and linkages.
- Reach out to developed economies to understudy their operations.

3.3 Carbon Credit

- This credit is given to encourage afforestation and discourage deforestation.
- Individuals and communities that practice tree planting to aid in the carbon emission dynamics are rewarded with Carbon Credit.

Recommendations

- Create more awareness.
- Ensure due diligence are done in its operations.
- Facilitate more collaborations and linkages.

3. Discussion around cassava bio-ethanol value chain product single digit revolving loan fund

- This is centered around the domain of the Bank of Industry (BOI).
- Loans given to Cooperatives engaged in the processing of agricultural produce into final food products and or raw materials either for industry or for export.

- Facilitate transformation of Agro inputs to outputs.
- Single digit interest rate (9 percent).
- It is a five-year loan tenure.
- A six-month moratorium
- Guaranteed working capital.



Vote of thanks

The workshop ended with a vote of thanks delivered by Mr. Olaifa, the representative of the Director, Department of Economic Growth. He thanked the Delta State Government for the peaceful and well secured environment that guarantees the successful hosting of the south-south Regional Sensitization workshop in the State.

He further appreciated all participants, members of the project team especially the Permanent Secretary of the Ministry of Finance, Budget, and National Planning Engr. Nebolisa Anako and the Director of Economic Growth Department, Mrs. Elizabeth Egharevba, whom he represented to give the vote of thanks and all Directors and Staff of the ministry for their tireless efforts towards the success of the program.

And he prayed for journey mercies for all participants and even as he informed the audience the train will move to the Northeast to sensitize the stakeholders in the region.





CHIANN
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