



FEED THE FUTURE NIGERIA AGRICULTURAL POLICY  
PROJECT

Quarterly Report – Year 4

Fourth Quarter: July 1- September 30, 2019  
Annual Report October 1, 2018 – September 30, 2019

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## ACRONYMS

ABU	Ahmadu Bello University
ADAN	Association of Deans of Agricultural Universities in Nigeria
ADB	African Development Bank
ADP	Agricultural Development Programs
AfCFTA	African Continental Free Trade Area
AIM	Agripreneurship Incubation and Mentorship Program
AE-FUNAI	Alex Ekwueme Federal University Ndufu Alike Ikwo
AFAN	All Farmers Association of Nigeria
APP	Agricultural Promotion Policy
APRNet	Agricultural Policy Research Network
ARCN	Agriculture Research Council of Nigeria
ASN	Agricultural Society of Nigeria
BMGF	Bill & Melinda Gates Foundation
CAADP	Comprehensive Africa Agriculture Development Program
CAP-F	Country Agribusiness Partnership Framework
CIMMYT	International Maize and Wheat Improvement Center
CLEEN/NOIPolls	Centre for Law Enforcement Education
CAPI	Computer Assisted Personal Interviews
CGE	Computable General Equilibrium
CSPro	Census and Survey Processing System
DC	District of Columbia
DFID	Department for International Development
DHS	Demographic Health Survey
ECOWAS	Economic Community of West Africa States
FAW	Fall Army Worm
FCT	Federal Capital Territory
FDAE	Federal Department of Agricultural Extension
FMARD	Federal Ministry of Agriculture and Rural Development
FMBNP	Federal Ministry of Budget and National Planning
FMH	Federal Ministry of Health
FTF	Feed the Future
FUNAAB	Federal University of Agriculture, Abeokuta
FUT Minna	Federal University of Technology, Minna
FY	Fiscal Year
GHS-Panel	General Household Survey Panel
GFSS	Global Food Security Strategy
HMA	Honorable Minister of Agriculture
ICRISAT	International Crops Research Institute for the Semi-Arid Tropics
IITA	International Institute of Tropical Agriculture
JSR	Joint Sector Review
IFPRI	International Food Policy Research Institute
KSUST	Kebbi State University of Science and Technology
LGA	Local Government Area
LSMS	Living Standards Measurement Survey
LSMS-ISA	Living Standards Measurement Survey-Integrated Surveys on Agriculture
M&E	Monitoring and Evaluation

MEP	Monitoring and Evaluation Plan
MIS	Nigeria Malaria Indicator Survey
MSU	Michigan State University
MTSS	Medium Term Sector Strategy
NA	Not Applicable
NAFDAC	National Agency for Food and Drugs Administration and Control
NAN	News Agency of Nigeria
NANTS	National Association of Nigeria Traders
NAAE	Nigerian Association of Agricultural Economics
NAERLS	National Agriculture and Extension Research Liaison Services
NABG	Nigeria Agriculture Business Group
NBS	National Bureau of Statistics
NAIP	National Agriculture Investment Plan
NFCNS	National Food Consumption and Nutrition Survey
NGO	Non-Governmental Organization
NIMET	Nigerian Meteorological Agency
NSSP	Nigeria Strategy Support Program
OIP	Office of International Programmes
PSI	Population Services International
PMP	Performance Management Plan
PCU	Project Coordinating Unit
R&D	Research and Development
SAM	Social Accounting Matrix
TOHFAN	Tractor Owners & Hiring Facilities of Nigeria
UNICEF	United Nations Children's Fund
UI	University of Ibadan
USAID	United States Agency for International Development
USG	United States Government
YISA	Youth Initiative for Sustainable Agriculture

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## PROGRAM OVERVIEW / SUMMARY

<b>Program Name:</b>	Feed the Future Nigeria Agricultural Policy Project
<b>Activity Start Date and End</b>	July 1, 2015 – June 30, 2020
<b>Name of Prime Implementing: Partner:</b>	Michigan State University (MSU)
<b>[Contract/Agreement] Number:</b>	AID-620-LA-15-00001
<b>Name of Subcontractors/Sub-awardees:</b>	International Food Policy Research Institute (IFPRI)
<b>Major Counterpart Organizations:</b>	Federal Ministry of Agriculture and Rural Development (FMARD)
<b>Geographic Coverage (cities and or countries):</b>	Nigeria FTF States: Kebbi State, Niger State, Kaduna State, Benue State, Ebonyi State, Cross River State, Delta State. Oyo State and Abuja (FCT).
<b>Reporting Period:</b>	July 1, 2019 – September 30, 2019 and Annual
<b>Project personnel mentioned in this report and their project role:</b>	<p>Dr. Saweda Liverpool-Tasie (Principal Investigator, MSU)  Dr. Kwaw Andam (Chief of Party, IFPRI)  Dr. Bedru Balana (Research Fellow, IFPRI)  Mr. Hyacinth Edeh (Country Program Manager, IFPRI)  Dr. Mulubrhan Amare (Associate Research Fellow, IFPRI)  Dr. Suresh Babu (Senior Research Fellow, IFPRI)  Dr. Olivier Ecker (Senior Research Fellow, IFPRI)  Dr. Hosaena Ghebru (Research Fellow, IFPRI)  Mr. Steve Longabaugh (Specialist, MSU)  Dr. Michael Olabisi (Assistant Professor, MSU)  Dr. Tom Reardon (Distinguished Professor, MSU)  Dr. Laura Schmitt Olabisi (Associate Professor, MSU)  Dr. Hiroyuki Takeshima (Senior Research Fellow, IFPRI)  Dr. Oyinkan Tasie (Assistant Professor, MSU)</p>

This progress report summarizes the key activities undertaken by the Feed the Future Nigeria Agricultural Policy Project for the 4th quarter (July-September 2019) of fiscal year 2018/19. The report also serves as the annual report on key activities undertaken during Year 4 (October 2018-September 2019).

**Table 1. Summary of Results to Date (Y4)**

Project Indicator Title	Baseline Data	Project Annual Target	Project Annual Actual at Q1+Q2+Q3+Q4	Comment If yearly actual is 10% more or less than target	Annual Performance Achieved to End of Reporting Period (%)	Life of Project Target <sup>1</sup>	Life of Project Actual <sup>2</sup>	LOP Performance achievement (%)
1. Number of Research Reports Published	N/A	6	13	This increase came about due to publication of additional research papers from project scholars.	217	43	69	160
2. Number of participants attending project organized research and policy events. (Annex B). Custom Indicator	N/A	1830	1625	Annual achievement was at 89 percent. The annual target was not achieved due to delays related to the 2019 general elections and protracted strike actions embarked upon by the Academic Staff	89	3683	4224	115

<sup>1</sup> Project Target: These are numbers or percentages targeted for each indicator from Y1 to Y5 i.e. (Y1+Y2+Y3+Y4+Y5). It is important to note that some of the project indicators have been changed over the years, where some indicators were dropped, some were added in Y3 (indicator 6, 7&8) and Year 4 (indicator 3). This accounts for the significant increase in the target set for Y4.

<sup>2</sup> Project Actual: These are the actual numbers achieved for each indicator from Y1 to Y4 i.e. (Y1+Y2+Y3+Y4). Actual data for indicators 6, 7 & 8 are from Y3 & Y4 (Q1, Q2 & Q3) while actual for indicator 3 is from Y4, which is an annual indicator, the reason for the zero number.

Project Indicator Title	Baseline Data	Project Annual Target	Project Annual Actual at Q1+Q2+Q3+Q4	Comment If yearly actual is 10% more or less than target	Annual Performance Achieved to End of Reporting Period (%)	Life of Project Target <sup>1</sup>	Life of Project Actual <sup>2</sup>	LOP Performance achievement (%)
				Union of Nigerian Universities.				
3. Number of milestones in improved institutional architecture for food security policy achieved with USG support. Standard Feed the Future Indicator (FTF) EG.3.1-d	N/A	6		This indicator has been replaced by FtF EG.3.1-12: Number of agricultural and nutritional enabling environment policies analyzed, consulted on, drafted or revised, approved and implemented with USG assistance (RAA). This is now reflecting in the updated MEL plan.				
4. Number of individuals who have received USG supported short-term agricultural sector productivity or food security training ( <a href="#">Annex C</a> ) Standard Feed the Future (FTF) Indicator EG.3.2	N/A	2805	2489	The annual target was not achieved due to delays related to the 2019 general elections and protracted strike actions embarked upon by the Academic Staff Union of Nigerian Universities.	89	4797	4469	93
5. Number of individuals who have received USG supported	N/A	7	7		100	13	13	100

Project Indicator Title	Baseline Data	Project Annual Target	Project Annual Actual at Q1+Q2+Q3+Q4	Comment If yearly actual is 10% more or less than target	Annual Performance Achieved to End of Reporting Period (%)	Life of Project Target <sup>1</sup>	Life of Project Actual <sup>2</sup>	LOP Performance achievement (%)
degree-granting non-nutrition-related food security training. ( <u>Annex D</u> ). Standard Feed the Future Indicator (FTF) EG.3.2-2								
6. Number of organizations with increased performance improvement with USG assistance Standard Feed the Future (FTF) indicator 3.2-29	N/A	40	7	The project target for this indicator was overly ambitious, and it is currently under review following guidance from USAID MEL Advisor. The project worked with 13 organizations and at the timing of this report, seven organizations have proof of improved capacity.	18	61	7	11



<b>Project Indicator Title</b>	<b>Baseline Data</b>	<b>Project Annual Target</b>	<b>Project Annual Actual at Q1+Q2+Q3+Q4</b>	<b>Comment If yearly actual is 10% more or less than target</b>	<b>Annual Performance Achieved to End of Reporting Period (%)</b>	<b>Life of Project Target<sup>1</sup></b>	<b>Life of Project Actual<sup>2</sup></b>	<b>LOP Performance achievement (%)</b>
7. Number of agriculture policy communications developed and/or written for stakeholder consumption. (Annex F). Custom Indicator	N/A	30	64	This increase came about due to agriculture policy communications developed by project scholars	213	66	113	171
8. Number of public private advocacy dialogues focused on policy that supports private sector investment. Custom Indicator	N/A	4	4		100	10	7	70
9. Index (or scorecard) of quality of agriculture and food security policy processes in Nigeria, as measured by stakeholder evaluation to capture level of satisfaction and confidence. Custom Indicator	1.206	NA		Biennial indicator			30% positive change from baseline result	1.44
10. Index (or scorecard) of quality of the institutional architecture	1.342	NA		Biennial indicator			30% positive	1.74

Project Indicator Title	Baseline Data	Project Annual Target	Project Annual Actual at Q1+Q2+Q3+Q4	Comment If yearly actual is 10% more or less than target	Annual Performance Achieved to End of Reporting Period (%)	Life of Project Target <sup>1</sup>	Life of Project Actual <sup>2</sup>	LOP Performance achievement (%)
for agriculture and food security policy processes in Nigeria, as measured by stakeholder evaluation survey to capture level of satisfaction and confidence. Custom Indicator							change from baseline result	

## **Progress Narrative**

This narrative will highlight progress made on the implementation of the Feed the Future Nigeria Agricultural Policy Project Year 4 revised work plan, which was submitted to United States Agency for International Development (USAID)/Nigeria on October 12, 2018 and approved by USAID/Nigeria on October 19, 2018. The Year 4 work plan focused explicitly on two main components as requested by USAID, namely Component 1: A Strategy for Enhancing National Agriculture and Food Security Policy Capacity; and Component 3: Strengthening Evidence-based Policy Process and Promoting Impact through Improved Dialogue, Engagement and Outreach Strategy.

### **COMPONENT 1: A STRATEGY FOR ENHANCING NATIONAL AGRICULTURE AND FOOD SECURITY POLICY CAPACITY**

#### **Capacity building through training courses**

The training courses organized by the Nigeria Agricultural Policy Project are demand driven. Consequently, Project partners select the course participants. The selection is based on Project criteria including focus on agriculture issues and USAID focused value chain commodities, among others. The Project encourages emphasis on young researchers and gender balance wherever possible. In the fourth quarter, mentorship of beneficiaries was the focus. Accordingly, the Project continued to engage previous course beneficiaries in trainings for new beneficiaries. This focus yields two main benefits. On the one hand, the training directly addresses capacity building needs. In addition, the approach gradually provides the base to build a sustainable development process in this area by eventually having the current trainees become the trainers in the long term and thereby contributing to the sustainability of the Project activities beyond the life of the Project. Table 2 provides summary of capacity strengthening activities undertaken in Q4.

#### **Capacity strengthening through the scholars' program**

One of the Policy Project's flagship capacity strengthening activities is the scholars' program. Through this effort the project works primarily with competitively selected young Nigerian scholars to support their preparation as the next generation of Nigerian scholars in various fields of agriculture. So far 13 young Nigerian scholars have been direct beneficiaries of the Policy Project's scholars' program at Michigan State University. Upon return home the scholars continue to be mentored in research and training while also working with the project to train others. These Project scholars have been involved in the production of over 35 research outputs including peer reviewed journal articles, research papers and policy briefs. In the last 3 years, over 1000 Nigerians have been trained by scholars on methods of data collection and analysis. In quarter 4 alone, 4 scholars trained over 40% of the total project trainees at Nigerian universities. These trainings included themes such as research design based on course work and materials from MSU as well as data analysis using the free and open source statistical software R. As part of the project's effort to better reach our diverse stakeholders, scholars have produced for them, research based non-technical communication pieces in English and several Nigerian languages. A summary of scholars-led activities in Q4 are found in Table 1 and details are provided in section 1.1.3

**Table 2. Indicator #4. Number of individuals who have received USG supported short-term agricultural sector productivity or food security training**

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
<b>1.1 FMARD</b>							
<b>1.1.1 FMARD/National Capacity Building and Mentoring Activities</b>							
<b>Fourth Quarter</b>							
July 3-5, 2019	Niger	Monitoring and Evaluation for result	Government, Academia	14	13	0	27
August 14-16, 2019	Abuja	Monitoring and Evaluation for result	Government	22	7	1	28
August 22-23, 2019	Abuja	Policy Brief Writing	Government	17	3	0	20
August 26-27, 2019	Abuja	Policy Communication Training to ARCN	Government	15	6	0	21
September 4 – 5, 2019	Abuja	National and Regional Agricultural Policies (APP, ERGP, ATA, CAADP, etc.)	Government	17	7	0	24
September 26 – 27, 2019	Abuja	Introduction to Policy Communications	Government	15	6	0	21
<b>1.1.2 Universities</b>							
<b>Fourth Quarter</b>							
July 3, 2019	Ebonyi State University	Data Analysis Method for Experimental or Observational Data from AFRE 874 Contents	Academia	4	14		18
July 15 -17, 2019	Cross-River	Monitoring and Evaluation for result	Academia	21	6	0	27
July 31 - 2 August, 2019	Ebonyi	Monitoring and Evaluation for result	Academia	14	11	4	21
August 1-2, 2019	Ebonyi	Impact Evaluation Training	Academia	9	7	0	16

Date	Location	Topic	Participants					
			Type	Male	Female	15-29	30+	
August 5-10, 2019	University of Agriculture, Makurdi	R Training	Academia	20	9	0	29	
August 7, 2019	Ibrahim Badamasi Babangida University, Lapai.	Step Down on Questionnaire Design	Academia	13	5	9	9	
August 26 – 27, 2019	Kebbi	Policy Communication	Academia	22	3	1	24	
September 11-13, 2019	Cross-River	Monitoring and Evaluation for result	Academia	16	12	0	28	
<b>1.2. State trainings and capacity building efforts</b>								
<b>Fourth Quarter</b>								
July 8 -10, 2019	Delta	Group Dynamics Training for Farmer Groups in Asaba	Producers	23	6	0	29	
July 11 -13, 2019	Delta	Group Dynamics Training for Farmer Groups in Ika-South	Producers	16	14	0	30	
August 19 to 23, 2019	Benue	R Training	Government	26	9	2	33	
August 26 - 28, 2019	Delta	Group Dynamics Training for Farmer Group Ethiopie-East	Producers	14	16	15	15	
August 29 - 31, 2019	Delta	Group Dynamics Training for Farmer Group Ughelli North	Producers	20	10	9	21	
September 25-27	Niger	Monitoring and Evaluation Training, State Ministry of Agric and Rural Development	Government	21	6	3	24	
September 26-28	Niger	Group Dynamics Training for Farmer Group in Minna	Producers	23	7	5	25	

## **ACTIVITY 1.1 FMARD/National Trainings**

### **1.1.1 FMARD/National Capacity Building and Mentoring Activities**

#### **Fourth Quarter (July-September 2019)**

On July 3-5, 2019, the Feed the Future Nigeria Agricultural Policy Project, delivered a training course on Monitoring and Evaluation (M&E) for Results to personnel of the National Institute for Freshwater Fisheries Research (NIFFR) & Federal College of Fresh Water Fisheries Technology (FCFFT) in New Bussa, Niger state. The training was attended by 14 males and 13 females for a total of 27 participants. On August 14 -16, 2019, the Project Coordinating Unit (PCU) and some of the donor funded projects in the Federal Ministry of Agriculture & Rural Development (FMARD) under its supervision received the same training, this time for 29 participants comprised of 22 males and 7 females. The training was conducted to build capacities of the staff members of PCU, which coordinates all donor-funded projects in FMARD, on the basic concepts and scope of Monitoring, Evaluation and Learning, to identify M&E gaps in the project activities of the participating department and projects, and to generate program-specific M&E plans and frameworks. It is expected that with improved skills and knowledge on Monitoring, Evaluation and Learning, participants will demonstrate greater efficiency and effectiveness in managing their project and other activities.

One of the aims and objectives of the Feed the Future Nigeria Agricultural Policy Project is to strengthen the national capacity for making available and disseminating evidence relevant to public policy. As such, the Project held a two-day workshop on Developing Policy Briefs for participants drawn from the seven Feed the Future states (Benue, Cross River, Delta, Ebonyi, Kaduna, Kebbi and Niger) from 22nd to 23rd August 2019. The workshop was attended by 20 participants (17 males and 3 females) that work in either the state ministries of agriculture, or the agricultural development programmes/agencies. The aim of the training workshop was to enhance and strengthen the skills and capacities of the State Ministries of Agriculture and agricultural agencies to independently develop their own policy briefs.

Understanding both national and regional agricultural policies particularly among senior government officials is key to the implementation, and monitoring and evaluation of such policies. The delivery of a two-day training course on national and regional agricultural policies to FMARD directors and deputy directors across the various department was aimed at achieving this objective. The training conducted on 4 – 5 September 2019 had 24 participants (17 male, 7 female) in attendance. The training, which engendered in-depth discussions, provided opportunity for inter-departmental interaction to understand the roles and contributions of various department towards achieving national and regional policies.

On 26-27 September 2019, the Project delivered a Policy Communications training to 21 (15 male, 6 female) staff of the Agricultural Research Council of Nigeria (ARCN) in Abuja. The training introduced participants to the concepts of policy communications, the use of social media for disseminating and measuring impact, as well as how and when to use policy briefs. The training was jointly facilitated by Elisabeth Douglas, Communications Specialist and Dr. Edith Nnemeka, Assistant Chief Agricultural Research Officer (ACARO) at ARCN. Dr. Nnemeka had been a participant in an earlier policy communications training delivered by the project in 2017. A main objective of this

training was to increase the overall capacity of ARCN and by extension, Nigeria's agricultural research system to be able to make available evidence that is required for policymaking.

Support to the Project Coordinating Unit (PCU) of the Federal Ministry of Agriculture and Natural Resources (FMARD) continued to receive the Project's attention. During the fourth quarter, the Project's M&E team continued to work closely with PCU to develop its MEL plan with the aim to strengthen its capacity to monitor and evaluate various projects under its supervision.

### **Third Quarter (April-June 2019)**

During the third quarter, April 8 to 12, 2019, the project delivered a training course to 19 staff members (10 male, 9 female) of the FMARD on "Econometrics for Policy Analysis Using Stata" in Abuja. The training which focused on concepts around statistical data analysis, the use of STATA statistical software for data analysis and results interpretation, was geared at further enabling policy analysts to more effectively analyze data and make widely available quality evidence for policymakers.

### **Second Quarter (January-March 2019)**

#### **i. Support to the National Bureau of Statistics (NBS)**

As part of efforts towards strengthening the capacity of Nigerian analysts to generate evidence that can guide sound policymaking in the country's agricultural sector, the Project delivered a training course to a team of NBS staff in Abuja on Econometrics for Policy Analysis Using Stata (February 11-14, 2019). The 25 participants (11 male, 14 female) were all familiarized with the STATA software and shown how to make use of it in analyzing survey data.

#### **ii. Support to FMARD**

Support to FMARD remains one of the Project's key activities. During the second quarter, the Project delivered a training course on 12-13 February 2019, to 23 (18 male, five female) senior staff (Assistant Director level) of the Federal Ministry of Agriculture and Rural Development in Abuja on national and regional agricultural policies for the period spanning 1972 to the present. In addition to past agricultural policies, the training looked at the Agricultural Transformation Agenda, the Comprehensive Africa Agricultural Development Programme (CAADP) driven by the African Union, as well as the Agriculture Promotion Policy (APP) and the Economic Recovery and Growth Plan (ERGP) of the Government of Nigeria, among others. It is expected that the innovative training course will further build the capacity of policy analysts to contribute to policy debates and also enhance the capacity of Nigeria's policy analysts to produce and make widely available evidence that is required for sound decision-making on agricultural policy.

#### **iii. Support to the Agricultural Research Council of Nigeria (ARC�)**

During March 4 to 7, 2019, the Project delivered a training course to 27 staff members (20 male, 7 female) of the Agricultural Research Council of Nigeria (ARC�) on "Econometrics for Policy Analysis Using Stata" in Abuja. The training which focused on concepts around statistical data analysis, the use of STATA statistical software for data analysis and results interpretation, was geared at further enabling agricultural researchers to more effectively analyze data and make widely available quality evidence for policymakers.

### **First Quarter (October – December 2018)**

#### **i. Support to the Agricultural Research Council of Nigeria (ARC�)**

Support to ARCN remains one of the Project's key activities. During the first quarter, the Project delivered a training course to a team of ARCN staff on Monitoring and Evaluation (7–8 November 2018). As part of capacity building activities on M&E, the Council selected trainees to work on the M&E plan for the Journal of Applied Agricultural Research (JAAR). This is an activity of the Council under the Knowledge Management Program that publishes applied agricultural research journals in Nigeria. Due to various capacity building and mentoring activities delivered for ARCN, the ARCN M&E team successfully completed the development of the M&E plan for the JAAR. The Project will continue to work with ARCN towards the implementation of the M&E plan as well as supporting ARCN on M&E related issues.

ii. Support to Efficiency and Coordinating Units of FMARD

During the first quarter, the Project worked closely with the Projects Coordinating Unit to identify FMARD needs regarding capacity building activities. A meeting was held with Senior Management of the PCU on 7 November 2018 to finalize capacity building activities for FMARD in Year 4 of Project implementation. Following the meeting, it was agreed that the Project would deliver on the following training courses:

- Data collection, Analysis and Interpretation
- Agricultural survey design and Implementation;
- National and Regional agricultural policies as it affects the mandate of relevant technical departments;
- Review of APP, ERGP and CAADP for enhanced policy design and implementation
- Enhance Capacity for Nutrition Sensitive Agricultural practices
- Building capacity for developing and implementing extension policy reforms

It was agreed that these training courses would be delivered to senior management, middle management, and junior professionals from various technical departments in FMARD. Please see below for further details on training courses delivered for FMARD.

As part of efforts towards strengthening the capacity of Nigerian analysts to produce evidence that is relevant to agricultural policy, the Project carried out a training on Econometrics for Policy Analysis using STATA for staff of the Federal Ministry of Agriculture and Rural Development (FMARD) from 26-28 November 2018 in Abuja. A total of 21 participants (18 male, 3 female) were trained on the use of STATA for data analysis in agricultural research, with a combination of demonstrations and practical exercises. As a result of the training, it is expected that participants will enhance their ability to manage and analyze data to better inform policies.

In order to broaden knowledge on the linkages between agriculture and development, the Project held its first ever training course on “Issues in Agriculture and Development” for staff of the Agricultural Research Council from 29-30 November 2018 in Abuja. The training course was attended by 20 participants (14 male, 6 female) and provided them with an overview of contemporary issues in agricultural policy, particularly for Nigeria. Topics covered included Land Governance, Climate Change, Nutrition and Food Systems, and Agricultural Project Evaluation. As a result of this training, it is expected that participants will have a better understanding of emerging issues in the agricultural sector.



December 5 and 6, 2018, the first ever “Survey Design and Implementation” training was conducted by Project for various staff of the Federal Ministry of Agriculture and Rural Development (FMARD) in Abuja. The training course which was attended by 24 participants (15 male, 9 female) was tailored to equip participants with the methodologies of survey design and implementation. It is expected that this will provide participants with the necessary skills and knowledge to work with appropriate tools of agricultural survey and data management for effective utilization for planning and policy formulation.

On December 10 and 11, 2018, a training course on “Nigeria Agricultural Policies” was organized by the project for the staff of Nigeria’s Federal Ministry of Agriculture and Rural Development (FMARD) in Abuja. The training course, which was attended by 22 participants (13 male, 9 female), was delivered by Dr. George Mavrotas and Mr. Hyacinth Edeh. It contributed to broadening participants’ perspectives towards the various policies, programs and initiatives put in place by Nigeria’s successive governments. The course placed emphasis on more recent policy initiatives in Nigeria such as the Agricultural Transformation Agenda (ATA), APP, ERGP, and the CAADP process among others. The course is also expected to further strengthen participants’ ability to implement policy frameworks for the country in the Nigeria agricultural sector.

### **1.1.2 National Trainings (universities, think tanks, research institutions, CBO’s NGOs)**

#### **Fourth Quarter (July – September 2019)**

On July 15 - 17 2019, the Project delivered a 3-day Monitoring, Evaluation and Learning (MEL) training to the staff of University of Calabar and Cross River State University of Technology, both in Calabar, Cross River State. The MEL training had 27 participants (21 male, 6 female) in attendance and all participated fully for the training duration. A similar 3-day MEL training was delivered to the staff of Ebonyi State University, Alex Ekwueme Federal University (Ndufu-Alike Ikwo, Ebonyi State) and Michael Okpara University of Agriculture (Umudike, Abia State) from July 31st to August 2nd, 2019. The training was attended by 25 participants (14 male, 11 female). The objective of the COURSE was to train the academia on the basic concepts of M&E to identify M&E gaps in research/project activities. Prior to these trainings, participants were examined using the M&E pre-test questions to gauge their level of knowledge and understanding of the concepts of M&E. Thereafter, participants were introduced to the basic concepts of M&E with the expected outcomes that the skills and knowledge acquired will be enough to improve the efficiency and effectiveness of their academic research and other project activities. The training was intensive and highly participatory. Participants were trained on the principles of M&E, stages in M&E System, development of M&E plan and frameworks, managing data, data collection and presentation for decision making among others.

As part of efforts to improve the analytical capacity of policy researchers, the Project delivered a 2-day training course on “Impact Evaluation Methodologies and Applications” from 1 – 2 August 2019 to 16 participants (9 male, 7 female). This training was delivered by Dr. Hosaena Ghebru in addition to his seminar in the state within the period. The training delivered at the Faculty of Agriculture of the Ebonyi State University also had in attendance staff members from the Federal University of Technology, Owerri and the University of Nigeria, Nsukka. The training combined presentation and exercises. Participants were trained in the various concepts and techniques for impact evaluation, key steps involved in designing and implementing impact evaluation, analyzing and interpreting impact data, case studies including references to participants’ identified research issues. The high interest generated by this training informed the host institution’s recent demand for a follow up to further

deepen participants understanding of the topic; an indication of the need and usefulness of the skills and knowledge gained during the training.

In response to the request made by Association of Deans of Agriculture (ADAN), the Nigeria Agricultural Policy Project (NAPP) organized and delivered a two-day training on policy communications at the Kebbi State University of Science and Technology, KSUSTA from 26th to 27th August 2019. The two-day training was attended by 25 participants (22 males and three females). The training was conducted by combining presentations and exercises. Topics like Introduction to Policy Communication Concepts, Using Social Media, Tracking Policy Communications Effectiveness, with focus on social media among others were covered. There was great interest in the use of platforms and social media by participants to showcase not only the work done individually, but also for the faculty and for KSUSTA as an institution. The participants expressed immense gratitude to NAPP for delivering such a detailed and beneficial training to them. The expected outcome of this training is to have researchers who have the basic skills and knowledge to be able to make widely available relevant evidence-based policy analysis as well as engage effectively in public discussions about policy.

During the quarter, the project delivered a Monitoring, Evaluation and Learning (MEL) training to staff of University of Calabar. The training which was basically on the concepts on M&E was well delivered and tailored towards the needs of the institution. Participants demonstrated a high level of understanding and competencies which reflected in their evaluation at the end of the training. The institution further demonstrated their competencies by organizing a step-down training on September 11 -13, 2019 to other staff of the institution who were not privileged to participate in the earlier training. The stepdown training had 28 participants (16 males, 12 females) and was facilitated by six (6) staff of the institution who previously attended the NAPP M&E training. The facilitators adopted the NAPP M&E training curriculum which has several modules. The six facilitators shared the modules among themselves and spread the training over a period of three (3) days which is in line with the NAPP standard practice. The trainers were very efficient and thorough in the delivery of the training. NAPP M&E assistant was also present and backstopped the training especially on areas that are not clear to the facilitators such as the development of the frameworks especially the logical and result frameworks. The step-down training is part of the sustainability plans employed by the project to create impact after the life of the project.

### **Third Quarter (April – June 2019)**

From April 1 – 3, 2019, a training course on Computer Assisted Personal Interviews (CAPI) using CSPro was delivered to 25 participants (16 male and 9 female) of the National Agricultural Extension and Research Liaison Services (NAERLS) National Farmers Helpline, ABU Zaria, Kaduna State. This training was requested by the research institute, a demand - driven approach employed by the project to enhance the institutions' capabilities in computer assisted data collection and management. Likewise, the project delivered a training course on "Issues in Agriculture and Development" from 4 – 5 April 2019 to staff of the NAERLS National Farmers Helpline. The training course was attended by 25 participants (21 male, 4 female) and provided them with an overview of contemporary issues in agricultural policy, particularly for Nigeria. Topics covered included Land Governance, Climate Change, Nutrition and Food Security, among others. Trainees/participants are already applying the knowledge gained from the training to gather data for their surveys which is a major outcome. As a result of this training, it is expected that participants will have a better understanding of emerging issues in the agricultural sector.

In order to broaden knowledge on the linkages between agriculture and development, the project delivered a training course on “Issues in Agriculture and Development” in Benue state to researchers from the University of Agriculture Makurdi from 29 – 30 April 2019. The training had 26 participants (22 male and 4 female). Furthermore, a similar training was delivered between 6 -7 May 2019 to 22 researchers (17 male and 5 female) from the University of Calabar and 13 participants (9 male and 4 female) from University of Ibadan on 10 – 11 June 2019. These trainings provided participants with overview of contemporary issues in agricultural policy, particularly for Nigeria. Topics covered included Land Governance, Climate Change, Nutrition and Food Security among others. Following the knowledge gained during the training, some of the participants were spurred to develop and carry out research activities around some of the thematic areas (Land Governance and Climate Change issues); thus, helping to close knowledge gaps in these areas. As a result of these trainings, it is expected that participants will have a better understanding of emerging issues in the agricultural sector and spur participants to further carry out research activities in these areas.

During the reporting quarter, the project delivered a training course on “Econometrics for Policy Analysis Using Stata” to 25 (18 male, 7 female) academics and researchers from Kebbi State University of Science and Technology, Aliero Kebbi State between 8 and 12 April 2019. A similar training course was also delivered to 17 participants (10 male, 7 female) from the University of Ibadan, Oyo State between 15-18 April 2019. Furthermore, on 13 – 17 May 2019, the Project delivered a similar training course concurrently to 18 participants (14 male and 4 female) who are lecturers and researchers from the Ibrahim Badamasi Babangida University, Lapai, Niger State and 20 participants (15 male and 5 female) from the Alex Ekwueme Federal University Ndufu-Alike Ikwo, Ebonyi State. In this quarter, between 10 – 14 June 2019, a team of two (2) Project trainers delivered a training course on “Econometrics for Policy Analysis using Stata” to 18 (14 male and 4 female) faculty members of Delta State University and 26 participants (22 male and 4 female) from Ahmadu Bello University, Zaria on 18 – 21 June 2019. The STATA trainings were designed to equip participants with adequate skills to manage, analyze, and report findings from various types of economic data. Participants gained insights on how to handle data for evidence-based decision making. In addition to enhancing skills in analyzing data, participants were also introduced to several data sources which they can use in their analyses. For instance, participants were introduced to the World Bank’s Nigeria Living Standards Measurement Study (LSMS) data which is representative at the national level and can be used to inform various policies in the agricultural sector. Such an approach ensures that data is readily available and can be supplemented with primary data collected by participants for agricultural sector policy analysis. It is expected that this training course would enhance the capacity of participants to undertake evidence-based researches that would generate relevant policy briefs and other outputs that will guide both policy makers and implementers.

### **Second Quarter (January – March 2019)**

On March 28, 2019, the Policy project jointly organized a digital training on journal article writing with the University of Ibadan. The Policy Project scholar facilitated the training and in attendance were 24 young Nigerian scholars (13 female and 11 male). The training workshop was based on digital training modules prepared by the project in Quarter 1 of year 4. It used a series of videos including a formal lecture and series of short discussions on specific topics related to journal article. These were prepared by Nigerian collaborators and/or a Project scholar. In this case, the training was facilitated by Project scholar Osawe Wellington (of University of Ibadan). In several instances, Mr. Osawe used examples from his own research to clarify key concepts taught during the training. By doing this, he illustrated how project scholars remain engaged in project activities (upon their return home from Michigan State University) and how they are applying lessons learned from their experience in the

program to train others. This activity also demonstrated how the policy project, innovatively worked with Nigerian partners is leveraging on digital technology to provide training in Nigeria. Following the training and in line with the project's emphasis on capacity strengthening through mentoring, participants who received the training will be engaging with the project to build on basic concepts and principles learned during the training.

As part of efforts towards broadening knowledge on the linkages between agriculture and development, the project delivered a training course on "Issues in Agriculture and Development" in Cross River state to 20 participants (15 male and 5 female) who are researchers from the University of Port Harcourt, the University of Calabar, the Niger Delta University and Cross River University of Technology from 14 -16 January 2019. The participants were taken through the various issues relevant to Nigeria's agricultural policy space (i.e. Land Governance and Tenure Security, Climate Change and Variability, Food and Nutrition Security, Agricultural Project Impact Evaluation). During the same period, the project delivered a similar training to 24 (16 male, 8 female) academia and researchers at Delta State University, Delta State. The training course was geared at providing some of Nigeria's researchers with understanding of the contemporary issues confronting the country's agricultural sector. Having such understanding would increase in the overall capacity of the country's analysts to provide the evidence needed for effective decision-making on agriculture.

The project delivered a training on "Econometrics for Policy Analysis Using Stata" for academics and researchers between: 21-25 January 2019 in Minna, Niger State. The 25 participants (20 male, 5 female) were all lecturers and researchers from the Federal University of Technology Minna, Ibrahim Badamasi Babangida University and Niger State College of Education Minna. During the same period, the Project also delivered a similar course to 22 participants (13 male and 9 female) who are lecturers and researchers from Ebonyi State University, Alex Ekwueme Federal University and the University of Nigeria Nsukka. It is expected that this training course would enhance the capacity of participants to undertake and make widely available relevant evidence-based policy analysis, as the training was geared at equipping Nigeria's analysts and researchers with adequate knowledge and developing the skills required to analyze data and make available the evidence required by decision makers in the formulation of policy for country's agricultural sector.

On March 18 and 19, 2019, the Policy project delivered a training on policy communications to lecturers and researchers of the University of Ibadan in Oyo state. The training, which was attended by 23 participants (17 male, 6 female), provided the researchers with an introduction to the concepts of policy communications and publicly available and accessible sources of information related to agricultural policy related to Nigeria. Participants had the opportunity to work on converting policy-relevant agricultural research into policy briefs. It is expected that following this training the capacity of researchers in generating useful evidence in the formulation of agricultural policies in Nigeria would be enhanced, as one of the participants, Prof. Dayo Ajayi, expressed commitment to step down the knowledge and skills gained from the training to other faculty members.

During the same period (March 18 and 19, 2019), the project delivered a training course on "Issues in Agriculture and Development" to academics and researchers from the Federal University of Technology Minna. The training had 27 participants (15 male, 12 female) and provided them with an overview of contemporary issues in agricultural policy, particularly for Nigeria. Topics covered included Land Governance, Climate Change, Nutrition and Food Systems among others. As a result of this training, it is expected that participants will have a better understanding of emerging issues in the agricultural sector.

From March 18 – 22 2019, a team of two (2) Project trainers facilitated a training course on “Econometrics for Policy Analysis using Stata” to 25 (20 male and 5 female) lecturers and researchers of Niger State College of Agriculture, Mokwa, Niger State. The training included presentations and practical exercises aimed at increasing the familiarity of the researchers at COE Mokwa with STATA as a tool for data analysis. The skills gained during the training is envisioned to enhance participants’ capacity in handling data for evidence-based decision making.

As part of efforts towards strengthening Nigeria’s capacity for greater evidence-based policy processes in agriculture through relevant evidence-based policy analysis, a team of two (2) trainers from the project facilitated a training course on “Introduction to Survey Data Analysis using Stata” from 25 – 29 March 2019 to 20 (14 male and 6 female) researchers and faculty members of the University of Calabar, Cross River State. Participants claimed that they have acquired additional skills sets that will enhance their capacity in handling data for evidence-based decision making. Participants were also introduced to the World Bank’s Nigeria Living Standards Measurement Study data which is representative at the national level and can be used to inform various policies in the agricultural sector.

#### **First Quarter (October – December 2018)**

On October 16 and 17, 2018, the Policy project jointly organized a digital training on journal article writing with the Nigerian Association of Agricultural Economists. This training was organized as part of the annual meeting of the Nigerian Association of Agricultural attended by 22 young Nigerian scholars (13 Male and 9 female). The two-day training workshop, led by Professors, Thomas Reardon and Liverpool-Tasie was delivered digitally using a series of videos and facilitated by Nigerian collaborators and a Project scholar, Ms. Aisha Lawal Ibrahim (of Ahmadu Bello University Zaria). In several instances, Ms. Aisha used examples from her own research to clarify key concepts taught during the training. By doing this, she illustrated how project scholars remain engaged in project activities (upon their return home from Michigan State University) and how they are applying lessons learned from their experience in the program to train others. This activity also demonstrates how the policy project, innovatively working with Nigerian partners is leveraging on digital technology to provide training in Nigeria. Following the training and in line with the project’s emphasis on capacity strengthening through mentoring, participants trained will be mentored by faculty alongside Senior Nigerian faculty on applying concepts learned in the training in their writing. This includes reviewing and providing feedback on work done by participants applying key principles from the training.

From October 22-26, 2018, a team of two (2) Project trainers delivered a training course on “Econometrics for Policy Analysis using Stata” to 24 (18 male and 6 female) graduate students and faculty of Delta State University. Resulting from this training, it is expected that the participants’ capacity in handling data for evidence-based decision-making would be enhanced. Following the training, participants formed a WhatsApp group through which they support each other with relevant Realtime information on agricultural related policy analysis as well as to stay in touch with their trainers for continued support and mentoring. Most importantly, the WhatsApp Group will act as a support forum as they engage in agricultural-related policy analysis going forward. During the same period, the Project also delivered a similar course to 30 (24 male and 6 female) faculty and graduate students of Kaduna State University-Kafanchan Campus. As was the case for Delta State, it is expected that this training course would enhance the capacity of participants to undertake and make widely available relevant evidence-based policy analysis.

As part of endeavors towards strengthening the capacity of Nigerian farmers to engage in policy making processes, the Project organized a “Group Dynamics” training for farmers in Delta State from 1- 2 November 2018. Specifically, 29 participants (20 male, 9 female) from 14 farmer groups attended the training. The objective of the training was to train group leaders on group dynamics thereby strengthening their capacity to strengthen their local formal and informal groups’ ability to manage their assets, make strategic group decisions and create a balanced level of participation. The training covered topics such as Group Vision and Mission, Working as a Team, Leadership, Communication, Conflict Management and Resolution, Group Decision-making, Group Registration, Mobilizing Resources, Planning and Implementation and Organizing records. Participants expressed commitment to stepping down the knowledge and skills gained from the training in their various groups.

From 5-9 November 2018, the Project delivered a training on survey data analysis for 30 (24 male, 6 female) academics at the Benue State University (BSU) in Makurdi, Benue State. The 5-day training course introduced participants to the use of STATA for carrying out survey data analysis. The training included presentations and practical exercises aimed at increasing the familiarity of the staff and graduate students of BSU with STATA as a tool for data analysis. The training was also geared towards strengthening the ability of these researchers to be able to provide policy-relevant research on Nigeria’s agricultural sector.

The project delivered a training course on Computer Assisted Personal Interview using CSPro to staff of the National Agricultural Extension and Research Liaison Service (NAERLS) and other institutions such as IAR, members of staff from ABU faculty of agriculture, NAPRI, Bayero University Kano, Federal University Dutsin-Ma in Katsina State, and Samaru College of Agriculture at Ahmadu Bello University in Zaria on 13-15 November 2018. The training, which was attended by 25 participants (21 male, 4 female), introduced participants to the CSPro software and took them through its use for analyzing data from personal interviews. The course equipped trainees with additional knowledge and skills needed to more effectively carry out their work in this important area.

## **ACTIVITY 1.2 State Trainings and Capacity Building Efforts**

### **1.2.1 Policy Analysis, Group Dynamics, and Issues in Agriculture and Development training/workshop for ministry staff and academics in the 7 FTF states and Policy Analysis for Priority areas**

#### **Fourth Quarter (July – September 2019)**

As part of endeavors towards strengthening the capacity of Nigerian farmers to engage in policy making processes, the Project organized a Group Dynamics training for farmers in two LGAs Oshimili South and Ika South of Delta State from July 8 – 10 and July 11 -13, 2019 respectively. The training was attended by 29 participants (23 male, 6 female) from 15 farmer groups in Asaba, Oshimili-South LGA and 30 participants (16 male, 14 female) from 12 farmer groups in Agbor, Ika-South LGA. A similar training was also conducted in Abraka, Ethiope East LGA and Uwheru Ward 9, Ughelli North, L.G.A of Delta state on August 26-28 and August 29-31, 2019. The training was attended by 30 participants (14 male, 16 female) from three different multi-purpose cooperatives in Abraka, and 30 participants (20 male, 10 female) also from three multi-purpose cooperatives in Ughelli North, LGA. The objective was to train group leaders on group dynamics thereby strengthening their capacity to strengthen their local formal and informal groups’ ability to manage their assets, make strategic

group decisions and create a balanced level of participation. The training covered topics such as Group Vision and Mission, working as a team, Leadership, Communication, Conflict Management and Resolution, Group Decision-making, Group Registration, Mobilizing Resources, Planning and Implementation and Organizing records. Participants expressed commitment to stepping down the knowledge and skills gained from the training in their various groups. As an immediate outcome of the trainings, two cooperatives restructured their management team with increased gender consideration with a ratio of 6 males to 4 females. Similar training was held in Minna, Niger State for AFAN farmer groups across the USAID-focused value chain commodities. The training which held from 26 – 28 September 2019 had 30 participants (23 male, 7 female) in attendance.

One of the aims and objectives of the Project is to strengthen the national capacity for making available and disseminating evidence relevant to public policy. As such, a two-day workshop on Developing Policy Briefs was held for participants drawn from the seven Feed the Future states (Benue, Cross River, Delta, Ebonyi, Kaduna, Kebbi and Niger) from 22<sup>nd</sup> to 23<sup>rd</sup> August 2019. This training-workshop was facilitated by the Head of Policy Communications Unit as part of the Nigeria Agricultural Policy Project (NAPP) activities in Nigeria. The workshop was attended by 25 participants (22 males and 3 females) that work in either the state ministries of agriculture, or the agricultural development programmes/agencies. The aim of the training workshop was to enhance and strengthen the skills and capacities of the State Ministries of Agriculture and/or agricultural agencies to independently develop their own policy briefs. Participants expressed high interests in the training-workshop and majority of them wanted subsequent editorial support with the drafts. The participants were grateful for the training and stated that the training has equipped them with the contextual knowledge and technical skill to develop policy briefs relevant to their states.

On September 25-27, 2019 the project organized a Monitoring and Evaluation training for some selected staff of Niger State Ministry of Agriculture and Rural Development. 30 participants (24 male and 6 female) were selected from the M&E departments and other arms of the ministry which included representatives from Agricultural Transformation Agenda Support Program (ATASP), Niger State Agricultural Mechanization Development Agency (NAMDA), Niger State Ministry of Livestock & Fisheries and Value Chain Development Project. Participants were taken through a highly participatory session which included the basic concepts and principle of M&E, concepts of target setting, baseline and how to frame indicators. Others were the stages in the M&E system, development of the M&E plan with special attention to the development of the frameworks, managing performance data, threats to data quality and how to overcome such threats, making data usable and using data for decision making. It is expected that with improved skills and knowledge, participants will demonstrate greater efficiency and effectiveness in managing their projects and other activities.

In August, 4 of the Project Scholars who were trained on R facilitated the delivery of 2 training courses on R for Statistical Analysis at the Federal University of Agriculture Makurdi (August 5 – 10, 2019) and the Benue State Ministry of Agriculture and Natural Resources (August 19 to 23, 2019). The participants at the training at the Federal University of Agriculture, Makurdi comprised of Senior and Junior faculty in Agriculture as well as graduate researchers. A total of 29 persons were trained comprising 9 females and 20 males. The participants at the training at the Benue State Ministry of Agriculture and Natural Resources included staff of the Ministry and Staff of the Benue State Agricultural and Rural Development Authority. A total of 33 persons were trained comprising 9 females and 24 males.

Following the inaugural brown bag series meeting which took place on April 23, 2019, hosted by the Kebbi State Ministry of Agriculture and Natural Resources, the second meeting held on Thursday July 11, 2019 at the Faculty of Agriculture conference hall, Kebbi State University of Science and Technology, Aliero (KSUSTA). The Permanent Secretary of the Kebbi State Ministry of Agriculture and Natural Resources, Alhaji Mohammed Shehu Lawal presented a paper titled: "Potentials of Soybeans Value Chain in Kebbi State, Nigeria".

Fifty-three participants attended comprising researchers at KSUSTA, Staff of Kebbi State Ministry of Agriculture and Natural Resources, Kebbi State Ministry of Animal Health, Fisheries and Husbandry and their associated agencies such as KARDA, IFAD, ATAPS-1, and Fadama 3 among others. Following the question and answer segment of the meeting, it was agreed that invitations to the brown bag meetings be sent to other stakeholders such as the Kebbi State Ministry of Finance, Kebbi State Ministry of Budget and Planning among others. The next meeting was scheduled for August 2019, to be hosted by the Kebbi State Ministry of Agriculture and Natural Resources.

### **Third Quarter (April – June 2019)**

Nigerian agro-dealers in the private sector have increasingly begun organizing themselves into formal groups, particularly associations, in recent years. An essential aspect for the success of agro-dealers' associations is their capacity to properly manage assets, make strategic group decisions and create a balanced level of participation for all members. It is in recognition of this fact that the Feed the Future Nigeria Agricultural Policy Project delivered a Group Dynamics training for agro-dealers in Ebonyi state from 1-3 April 2019 to 28 participants (17 male and 11 female). A similar training was delivered to private sector actors within the agro-inputs value chain in Niger State on 11 - 13 April 2019 to 30 participants (23 male and 7 female), and in Kaduna State on 23 – 25 May 2019 to 26 agro-dealers (23 male 3 female). Further, some selected farmer groups, 31 farmers (27 male and 4 female) in Kaduna State benefited from the same training on 20 -23 May 2019. In Niger State on 8 - 10 April 2019, 30 farmers (19 male and 11 female) from different groups within the targeted crop value chains received similar trainings. The trainings on Group Dynamics, which was targeted at the farmer groups and agro-dealers are aimed at improving the information sharing within the various groups and strengthening the intragroup dynamics within and across the various associations. The training course covered topics vital to the organization and effective running of a cooperative. Topics covered included Group Vision and Mission, working as a Team, Leadership, Communication, Conflict Management and Resolution, Group Decision-making, Group Registration, Mobilizing Resources, Planning and Implementation, and Organizing Records.

From 2 May to 14 June 2019, the Project delivered four training-courses on "Issues in Agriculture and Development" to policy analysts at the various State Ministries of Agriculture and Natural Resources in Benue, Cross River, Kebbi and Oyo States. The two-day training was attended by 30 participants (17 male, 13 female) in Benue state on 2 -3 May 2019, 24 participants (16 male, 8 female) in Cross River State on 9 -10 May 2019, 26 participants (22 male, 4 female) in Kebbi State on 22 -23 May 2019, and 22 participants (13 male, 9 female) in Oyo State on 13 – 14 June 2019. The trainings on Issues in Agriculture and Development are meant to provide basic understanding on land governance, climate change, food & nutrition security, and project evaluation in Nigeria's agricultural sector for policy analysts and programme officers.

As part of efforts towards strengthening the capacity of Nigerian analysts to produce evidence that is relevant to agricultural policy, a Project staff and two previously trained beneficiaries of the training course carried out a training for staff of the Benue State Ministry of Agriculture and Natural Resources



and the State Bureau of Statistics from 6 - 10 May 2019 in Benue State. A total of 25 participants (17 male, 8 female) were trained on the use of STATA for data analysis in agricultural research, with a combination of demonstrations and practical exercises. As a result of the training, it is expected that participants will enhance their ability to manage and analyze data to better inform policies. Also, the involvement of the previously trained beneficiaries is expected to further enhance the trainers' capacity and is a step taken to ensure sustainability of the Project's impact.

Accurately measuring performance and results is an essential part of successfully implementing any policy. Therefore, it is imperative to emphasize the importance of having robust capacity for monitoring and evaluation (M&E) of the agricultural sector in Nigeria at all levels. As part of its commitment towards bolstering the national capacity for evidence-based decision-making in agriculture, the Project delivered a training course for staff of the Ebonyi State Ministry of Agriculture and Natural Resources from 26- 28 June 2019 in Ebonyi State. The course, titled "Monitoring, Evaluation and Learning" which was attended by 22 participants (15 male, 7 female) covered topics such as development hypothesis, data collection, data management, and the development of result and logical frameworks, and preparation of performance indicator reference sheet. It is expected that the course has equipped participants with the knowledge and skills to more effectively carry out their work in this important area of performance measurement.

Through the support of the Policy Project, Kebbi State Government and Kebbi State University of Science and Technology Aliero launched a seminar/brown bag series to increase interaction between academia, the government and other stakeholders in the agricultural sector in the state. On April 23, 2019, the first brown bag seminar was hosted by the Kebbi State Ministry of Agriculture and Natural Resources. Prof. I. U. Mohammed, Dean of Faculty of Agriculture, Kebbi State University of Science and Technology Aliero presented research findings on Cassava Mosaic Virus in Northern Nigeria. The title of the presentation was; "The increased incidences of East African cassava mosaic virus in northern Nigeria". In attendance were officials of the various ministries of the Kebbi State Government, NGO's as well as Faculty and Graduate Students of the Kebbi State University of Science and Technology. 53 Participants (Male: 49, Female: 4) attended the Brown Bag.

On May 31, 2019, Mrs Blessings Agada (NAPP Scholar) provided a training to 67 (male: 55 and female: 12) participants drawn from the 23 Local Government Areas (LGAs) of Benue State in the Middle Belt of Nigeria. Participants were farmers, Extension agents, directors, ministry staff, undergraduate and graduate students from the Soil Science dept. of the University of Agriculture Makurdi UAM. The training featured an application <sup>3</sup>that helps users make good sustainable land management decisions. The application helps them to collect geo-located data about their soils, vegetation and site characteristics, giving back useful results and information about the site to its users. This demonstrates how the NAPP scholars, upon return home, continue to lead and give back via training and capacity building activities.

### **Second Quarter (January-March 2019)**

On 17 and 18 January 2019 the project delivered a training course on "Issues in Agriculture and Development" to policy analysts from the Ministry of Agriculture and Natural Resources in Calabar, Cross River State. The training was attended by 25 participants (17 male and 8 female). The participants were taken through the various issues relevant to Nigeria's agricultural policy space (i.e.

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<sup>3</sup> An application especially as downloaded by a user to a mobile device.

Land Governance and Tenure Security, Climate Change and Variability, Food and Nutrition Security, Agricultural Project Impact Evaluation). During the same period, the Project also delivered a similar course for 27 staff (17 males and 10 females) of the Ministry of Agriculture and Natural resources, the State Agricultural and Rural Development Authority and Fadama III in Delta State. The aim of the training was to build the national capacity of Nigeria's policy analysts to provide and make available evidence that would ensure sound policymaking for the country's agricultural sector.

To better equip agro-dealers in the private sector with adequate skills to manage their groups, the project delivered a training course on group dynamics for agro-dealers in Kebbi State on 28 - 29 January 2019. The 35 participants (25 male, 10 female) represented various groups and were exposed to knowledge and skills related to conflict resolution, working as a team, communication and record keeping. The project also delivered a similar course to 31 agro-dealers (25 male, 6 female) in Oyo State on 18 - 20 January 2019 and also to 29 agro-dealers (18 male, 11 female) in Benue State between 25 and 27 March 2019. The training was geared towards training group leaders within the private sector on group dynamics thereby strengthening their capacity to strengthen their local formal and informal groups' ability to manage their assets, make strategic group decisions and create a balanced level of participation. It is expected that such trainings would enhance the capacity of various players in Nigeria's agricultural sector to engage more effectively on policy discussions and implementation.

On March 21 and 22, 2019, a training course on "Issues in Agriculture and Development" was delivered by the project for the staff of Niger State Ministry of Agriculture. The training course, which was attended by 27 participants (22 male, 5 female), provided them with an overview of contemporary issues in agricultural policy, particularly for Nigeria. Topics covered included Land Governance, Climate Change, Nutrition and Food Systems among others. As a result of this training, it is expected that participants will have a better understanding of emerging issues in the agricultural sector.

### **First Quarter (October-December 2018)**

Accurately measuring performance and results is an essential part of successfully implementing any policy. Therefore, it is imperative to emphasize the importance of having robust capacity for monitoring and evaluation (M&E) of the agricultural sector in Nigeria at all levels. As part of its commitment towards bolstering the national capacity for evidence-based decision-making in agriculture, the Project delivered a training course for staff of the Kaduna State Ministry of Agriculture and Forestry and Kaduna Agricultural Development Project from 17-19 December 2018 in Kaduna State. The course, titled "Monitoring and Evaluation for Results" which was attended by 24 participants (21 male, 3 female) covered topics such as data collection, data management and the development of result and logical frameworks. It is expected that the course has equipped participants with the knowledge and skills to more effectively carry out their work in this important area.

## **ACTIVITY 1.3: Nigerian Graduate Student Capacity Building**

### **1.3.1 Project scholars**

#### **Fourth Quarter (July – September 2019)**

The Project in collaboration with the Nigerian Association of Agricultural Economists organized a parallel session on capacity strengthening through training and mentoring during the African Association of Agricultural Economists Conference, held at the Ladi Kwale Hall, Sheraton Hotel, Abuja, September 23 – 25, 2019. At the Sessions, 6 presentations of collaborative research work led by 3 Project Scholars and 3 scholars identified through a competitive process by NAAE presented

their work to a distinguished audience including the President Elect, International Association of Agricultural Economists, Prof. Uma Lele, the President of the Nigerian Association of Agricultural Economists, the Executive Director African Economic Research Consortium, and Senior Management at the African Development Bank. These eminent persons and several others provided constructive feedback on the presentations and shared their experience and thoughts on capacity building entailing teaching, training, and mentoring. Prior to the presentations on Monday, September 23, the 6 scholars participated in a practice session on Sunday, September 22 2019 where they were further mentored on presentation skills including time management. These practice sessions were contributory to their outstanding presentation at the parallel sessions.

This quarter the 3 current NAPP Scholars returned to MSU for their final semester of study. They are the final participants in the NAPP Scholars Program. Before leaving Nigeria, they conducted a number of trainings as noted below and coordinated activities in their home institutions for the benefit of those institutions. The basis for these activities was from what they learned at MSU both in the classroom and by observation.

**NAPP project scholars introducing strategies to improve research at their home institutions.**

Introduction of Brownbag seminar. College of Agricultural Economics and Extension, Federal University of Agriculture, Makurdi, Benue State. 3rd June, 2019 Hephzibah Onyeje Obekpa

NAPP Scholar Hephzibah Onyeje Obekpa shared the idea of brownbag seminars and what she had learnt from them with her home institution: College of Agricultural Economics and Extension, Federal University of Agriculture, Makurdi, Benue State. It is an informal seminar to help graduate students get valuable feedback from their professors and colleagues while enjoying snacks from their brown bags. In addition, it helps reduce errors and adds value to their research output before presentations at the College level. Having discussed the importance and benefits, the board members went unhesitatingly to implement brownbag. (These had been observed in practice during her spring semester tenure at Michigan State University.) Staff members on the board bought into the idea and a brown bag series was introduced.

During this quarter, the NAPP scholars continued to play active roles in project training and dissemination activities. As a sign of the successful mentoring they have received, they are increasingly leading activities on the ground. In quarter 4 alone, a group of scholars trained over 40% of the total project trainees at universities; a testament to the value of investing deeply in a few who can then train many others. This section provides additional details of these activities.

**Project scholar initiative in Nigeria continues even after she leaves home and returns to MSU.**

Following participation in a student led brown bag seminar series (where graduate students present their ongoing research and get feedback), NAPP Scholar Hephzibah Onyeje Obekpa initiated a similar series in her department (see quarter 3 for more details on how the series was introduced to her home institution). Though the scholar has returned to MSU, the departmental series (being so well received by colleagues in the department) continues. *“It’s a delight to know that even after I had returned to MSU for the fall semester, another brown bag held on August 26, 2019”* said Mrs Obekpa recently. *“The brownbag seminar*

*is an initiative that has come to stay in the college of Agricultural Economics and Extension. It is currently being coordinated by two graduate students.<sup>4</sup>*

### **Training facilitated by Project Scholars**

All effort was made to maximize the project’s training reach by leveraging on the presence of the current Scholars’ 2019 summer break spent in Nigeria, as they worked in a team with NAPP Scholar Program alumni to train Nigerians locally. Training was conducted on article writing as well as on the open source R statistical analysis package. The collaboration demonstrates how high-quality training can be delivered by scholars from different Nigerian institutions, to a local audience across Nigeria, using the knowledge and skills gained from an international experience and mentoring. It also demonstrates how the policy project tries to maximize the benefits of training at minimal costs. Details about the trainings follow:

**The following table explains the R training done by the NAPP Scholars in the quarter**

Date	Location	Topic	Presenter(s)	Participants		
				Type	Male	Female
August 5-10, 2019	University of Agriculture, Makurdi	R Training	Blessing Agada, Chukwudi Charles Olumba and Hephzibah Onyeje Obekpa	Academia	20	9
August 19 to 23, 2019	Benue State Ministry of Agriculture & Natural Resources	R Training	Philip Hegarty James and Blessing Agada	Government	26	9

**The following table explains the other trainings done by the NAPP Scholars in the quarter**

Date	Location	Topic	Presenter(s)	Participants		
				Type	Male	Female
July 3, 2019	Ebony State University	Data Analysis Method for Experimental or Observational Data from AFRE 874 Contents	Chukwudi Charles Olumba	Academia	4	14
August 7, 2019	Ibrahim Badamasi Babangida University, Lapai.	Step Down on Questionnaire Design	Balaraba Abubakar Sule	Academia	13	5

<sup>4</sup> New Initiative: Brown Bag Seminar at the College of Agricultural Economics and Extension, Federal University of Agriculture Makurdi, Benue State, Nigeria. Highlights 52, Hephzibah Onyeje Obekpa, September 2019. <https://www.canr.msu.edu/resources/new-initiative-brown-bag-seminar-at-the-college-of-agricultural-economics-and-extension-federal-university-of-agriculture-makurdi-benue-state-nigeria>

## Program Highlights produced by Project Scholars documenting their experiences (research and personal) as project scholars

1) <a href="#">Enhancing the 'Train One to Train Others' Tradition: "R" for Statistical Computing in Benue State</a> . Highlights 59, Blessing Agada and Philip Hegarty James, September 2019.
2) <a href="#">Research Methodology Workshop Delivered for EBSU Staff and Graduate Students</a> . Highlights 58, Chukwudi Charles Olumba, September 2019.
3) <a href="#">My Award Winning Presentation at the Fourth African Graduate Student Association Conference, Michigan State</a> . Highlights 57, Chukwudi Charles Olumba, September 2019.
4) <a href="#">Michigan State University Fall Welcome Program</a> . Highlights 56, Hephzibah Onyeje Obekpa, September 2019.
5) <a href="#">NAPP and Relevant Technology- A Success Story an App to Make Good Sustainable Land Management Decisions. Training at the Ministry of Agriculture Makurdi, May 31, 2019</a> . Highlights 55, Blessing Agada, September 2019
6) <a href="#">Training One To Train Others: Leveraging on Information and Communications Technology and MSU Resources to Achieve Multiple Project Goals</a> . Highlights 53, Chukwudi Charles Olumba, September 2019.
7) <a href="#">New Initiative: Brown Bag Seminar at the College of Agricultural Economics and Extension, Federal University of Agriculture Makurdi, Benue State, Nigeria</a> . Highlights 52, Hephzibah Onyeje Obekpa, September 2019.
8) <a href="#">Stakeholder Engagement, Collaborative Research and Capacity Strengthening</a> . Highlights 51, Oluwatoyin Adebowale, August 2019.
9) <a href="#">Stepdown of Some Contents of AFRE 874 at the Federal University of Agriculture Makurdi</a> . Highlights 50, Hephzibah Onyeje Obekpa, August 2019.
10) <a href="#">"Train One to Train Others": Project Scholars Train Nigerian Faculty on Using "R" for Data Analysis</a> . Highlights 49, Mr. Chukwudi Charles Olumba and Mrs. Hephzibah Onyeje Obekpa, August 2019.

### Facebook Group Page

A Facebook group page was created, Nigeria Agricultural Policy Project Scholars Programme. The page currently has a followership of 150 persons. Presentations of 6 Project Scholars (3 NAPP and 3 NAAE) at the African Association of Agricultural Economists Conference, September 23 – 25 2019 in Abuja were uploaded and has received a significant number of viewings.

### Scholar mentoring output at home

Upon return home, NAPP scholars continue to be supported in their research while they also support the project in various trainings and research dissemination activities. During quarter 4, three project scholars presented their work at the triannual conference of the African Association of Agricultural Economists that took place in Abuja, Nigeria between September 21 and September 25. These presentations were updated versions of previous work conducted by the scholars while at MSU or upon return home. They were:

1. The impact of topsoil loss on crop productivity by Mrs. Blessing Agada, Federal University of Agriculture Makurdi
2. An Analysis of gender dynamics in agglomeration economies of parboilers in rice processing clusters in Kano State, Nigeria by Ms. Aisha Ibrahim, National Agricultural Extension and Research Liaison Services (NAERLS), Ahmadu Bello University (ABU) Zaria

3. The effect of processing and processing practices on mycotoxin reduction in maize based products: Evidence from Lactic Acid Fermentation in southwest Nigeria by Mrs. Toyin Adebowale

### **Other project mentoring activities for young scholars.**

The policy project conducted a yearlong capacity strengthening activity (focused on young Nigerian scholars) with the Nigerian Association of Agricultural Economists. This activity started with a joint training on Journal Article writing for 20 young Nigerian scholars in October 2018. The two-day training workshop led by Profs. Thomas Reardon and Liverpool-Tasie of Michigan State University was delivered digitally using a series of videos and facilitated by Nigerian collaborators and project scholars. Following the training, two American based project faculty and 2 NAAE senior Nigerian scholars reviewed the submissions of interested participants and provided detailed comments on their submissions. Each participant received 2 sets of comments; one from a project faculty and another from a senior NAAE Nigerian scholar. The 3 best submissions were shortlisted. These final papers were reviewed by the project and the final papers were submitted for consideration in peer-reviewed journals. The project supported the young scholars to attend and present at the international conference of the African Association of Agricultural Economists. The project and the Nigerian association of Agricultural economists organized a session where these works were presented and the scholars got feedback. It was also an opportunity to share more information about the Nigeria Agricultural Policy Project and its capacity strengthening activities. The session was appreciated and the project's approach to capacity strengthening commended by participants including a representative of the African Development Bank (AfDB) and the African Economic Research Consortium (AERC)

1. What Drives the Adoption of Climate Smart Agricultural Practices? Evidence from Maize Farmers in Northern Nigeria, by Funminiyi P. Oyewole
2. Willingness to Accept Incentives for a Shift to Climate-smart Agriculture by Dr. Mojisola O. Kehinde
3. Impact of Women's Share of Income on Household Expenditures in South East Nigeria, by Dr. Patience Ifeyinwa Opata

### **Third Quarter (April- June 2019)**

In this quarter, three project scholars (PhD candidates) completed the first of two semesters of their study and returned to Nigeria for the summer to take part in project activities. In line with the structure of the project scholars' program, each of the 3 scholar's program activities were developed individually based on the scholar's level and needs and in conjunction with their Nigerian academic advisor and their project mentor. During quarter 3 of year 4, each of the 3 scholars followed a scope of work with the active participation of all these stakeholders and all 3 of them took courses to strengthen their identified knowledge and research gaps. The objectives are that the scholars be prepared and experienced to conduct empirical research. That they are empowered to train others on particular aspects of research design and implementation, data analysis and dissemination of research findings.

During this quarter, the three scholars engaged with the University community in several ways beyond their classes and interaction with their mentors. Each scholar presented their work at 2 different campus events. These presentations provided the students opportunities to practice communicating their research efforts and results to technical audiences while getting feedback on their work. In addition to sharing knowledge about Nigerian issues, these presentations also created opportunities for the project and USAID investments in Nigeria to be shared with American faculty and students.

## **NAPP project scholars introducing strategies to improve research to their home institutions.**

### **Evidence from Benue State:**

Following participation in a student led brown bag seminar series at MSU, NAPP Scholar Hephzibah Onyeje Obekpa shared what she had learnt from them with colleagues at her home institution: the Federal University of Agriculture, Makurdi, (FUAM) Benue State. The brown bag seminar is an informal seminar to help graduate students get valuable feedback from their professors and colleagues while enjoying snacks from their brown paper bags. In addition to practice for the formal presentation, it helps to reduce errors and adds value to their research output before presentations at the College level. Having discussed the importance and benefits, the board members went unhesitatingly to implement brownbag at FUAM. Staff members on the board bought into the idea and a brown bag series was introduced. So far, four of these brownbag seminar series have been organized in the scholar's home institution. Though the scholar has returned to MSU, the departmental series (well received by colleagues in the department) continues.

The first brownbag seminar kicked off on June 3, 2019 with two presenters: Kusa Yusuf (a Ph.D student) and Jenny Essein (an M.Sc student). This first brownbag seminar had 25 persons in attendance (9 females and 16 males). A second brownbag seminar held on June 10, 2019 while a third was held on June 17, 2019. These three brownbag seminars were anchored by the NAPP Scholar during her summer break from MSU. The aim of the activity was to provide an opportunity for young scholars to present their work and get constructive feedback on their in a friendly environment. This demonstrates that best practices are being adopted by participants in the NAPP scholars' program with their conviction that the quality of research activities in their home institution can benefit from them. This is very much in line with the NAPP capacity strengthening focus for Nigerian scholars to adopt and innovate to improve the quality of Nigerian scholarship.

### **Evidence from Niger State:**

Upon return home to Nigeria for the 2019 Summer Break, Project scholar Mrs. Balaraba Abubakar Sule (Federal University of Technology Minna) made a presentation at her home institution about her experience as a NAPP scholar. She presented a talk titled "Short-term Visiting Scholars' Program: Feed the Future Nigeria Agricultural Policy Project – My Experience" on 31 May 2019. Participants (39): Academia, Male: 32, Female: 7.

### **The NAPP Scholars program Trainer of trainers' ideology:**

The Policy Projects' Scholars program trainer of trainer approach to ensure that knowledge gained by scholars is shared with others.

### **Current scholars at MSU:**

During this quarter, all 3 NAPP scholars arranged step down courses to share some of the knowledge gained from the MSU courses taken under the project.

### **NAPP scholars that have returned and other project trainees**

In quarter 3, Nigerian scholars', including NAPP Scholar alumni, led three trainings on article writing. The University of Nigeria, Nsukka, requested the article writing training and sponsored the event for 16 faculty and students. The training was facilitated by Dr. Mrs. Opata. Dr. Opata was a distinguished trainee at a previous article writing workshop delivered by The Policy Project and the Nigerian Association of Agricultural Economists, in October 2018. Her draft article was shortlisted for support from the organizers of the workshop, in a joint effort to get it published.

### **Outreach Pamphlets for dissemination to households and communities produced by project scholars.**

The project continues to strive to ensure that research efforts translate to relevant practical outputs for Nigerians in addition to (but beyond) policy makers). In this regard, project scholars, working alongside their project mentor and home institution supervisor developed new pamphlets (based on their research) for dissemination to the Nigerian public.

1. [Urban Agriculture and Food Security in Nigeria](#). Chukwudi Charles Olumba. May 2019
2. [Reduction of Post-Harvest Losses in Onion Production](#). Balaraba Sule. May 2019
3. [Dietary Diversity isn't far-fetched](#). Hephzibah Onyeje Obekpa. May 2019+

During quarter 3, these briefs were distributed to the ministries of agriculture and health in Benue, Niger and Ebonyi States.

### **Program Highlights produced by Project Scholars documenting their experiences (research and personal) as project scholars**

1. [Training Workshop on "R" for Graduate Students and Staff of Faculty of Agriculture, University of Ibadan, held at the Department of Agricultural Economics, University of Ibadan, Nigeria from April 11-18, 2019](#). Highlights 47, Dr. Osayanmon Wellington Osawe, April 2019.
2. [Highlight of the Training Workshop on "Article Writing" at the Department of Agricultural Economics, University of Ibadan, Nigeria](#). Highlights 46, Wellington Osawe, April 2019.
3. [Lunch at the Thirteenth Annual "Hero Luncheon"](#). Highlights 45, Chukwudi Charles Olumba, April 2019.
4. [My Presentation at Michigan State University's Brown Bag Series](#). Highlights 44, Chukwudi Charles Olumba, April 2019.
5. [Cranium to Classroom: A Scholar's Perspective](#). Highlights 43, Hephzibah Onyeje Obekpa, April 2019.

### **Other training facilitated by Project Scholars**

All effort was made to maximize the project's training reach by leveraging on the presence of the current Scholars' 2019 summer break spent in Nigeria, as they worked in a team with NAPP Scholar Program alumni to train Nigerians locally. Training was conducted on article writing as well as on the open source R statistical analysis package. The collaboration demonstrates how high-quality training can be delivered by scholars from different Nigerian institutions, to a local audience across Nigeria, using the knowledge and skills gained from an international experience. It also demonstrates how the policy project tries to maximize the benefits of training at minimal costs. Details about the trainings follow.

1. Data analysis using R by Dr. Wellington Osawe, Mrs. Blessing Agada and Mr. Philip Hegarty. Department of Agricultural Economics, University of Ibadan, Nigeria. 11-18 April 2019. Participants: Academia (Males: 14, Females: 12).
2. Data analysis using R held at the Ministry of Agriculture and Natural Resources, Kebbi State, Nigeria. Dr. Wellington Osawe, Mrs Blessing Agada and Mr. Philip Hegarty. 23-26 April 2019. Participants: Government, Academia (Males: 25, Females: 5).
3. Workshop on Article Writing. Mr. Iredele Ogunbayo & Dr. Patience Opata. Seminar Room of the Resource and Environmental Policy Research Centre, UNN. May 10, 2019. Participants: Academia (Males: 9, Females: 7).



4. Workshop on Article Writing and Publication. Mr. Iredele Ogunbayo & Onyinye Prince Choko, Ebonyi State University Abakaliki. May 16, 2019. Participants: Academia (Males: 14, Females: 11). Need to verify the numbers and Gender
5. An Application (APP) to make good Sustainable Land Management decisions. Blessing Agada, Ministry of Ag., Makurdi. 31 June 2019. The 68 participants comprised of 56 men and 12 women from government, producers, and academia.

### **Blog Content Supplied by the Project Scholars**

In this quarter, the NAPP Scholars produced blog submissions for enhancing discussions around agricultural policy issues. Each NAPP Scholar currently studying as NAPP Scholars authored blog pieces on an agricultural issue drawn from their research area and relevant to several states. These pieces appear on the project website and continue to receive wide readership.

### **Continued mentoring following the article writing training done in October, 2018.**

As part of the policy project's support for capacity strengthening, a training workshop on Journal Article writing for 20 young Nigerian scholars was jointly organized by NAPP and the Nigerian Association of Agricultural Economists. The two-day training workshop led by Profs. Thomas Reardon and Liverpool-Tasie of Michigan State University was delivered digitally using a series of videos and facilitated by Nigerian collaborators and project scholars. This activity demonstrates how the policy project, innovatively working with Nigerian partners, leverages on digital technology to provide training. Following the training, participants were invited to submit journal article introductions applying the principles deliberated upon during the training. Two American based project faculty and 2 NAAE senior Nigerian scholars reviewed the submissions and provided detailed comments on the introductions. Each participant received 2 sets of comments; one from a project faculty and another from a senior NAAE Nigerian scholar. The 3 best submissions were shortlisted and in quarter 3, the project, alongside the NAAE worked with these young scholars on their complete papers towards eventual publication. During quarter 3, the project reviewed the final papers and they have all been submitted for consideration in peer-reviewed journals. This demonstrates how the policy project is working with local senior scholars to support the next generation of Nigerian scholars to be able to produce high quality research output for publication in peer reviewed journals which are acceptable to Nigerian policy makers and other stakeholders. It also demonstrates how the project's capacity building activities extend beyond training to mentoring considered necessary for true sustainable capacity development. The three papers under review are:

1. What Drives the Adoption of Climate Smart Agricultural Practices? Evidence from Maize Farmers in Northern Nigeria, by Funminiyi P. Oyewole
2. Willingness to Accept Incentives for a Shift to Climate-smart Agriculture by Dr. Mojisola O. Kehinde
3. Impact of Women's Share of Income on Household Expenditures in South East Nigeria, by Dr. Patience Ifeyinwa Oyata

### **Second Quarter (January-March 2019)**

In this quarter, three project scholars (PhD candidates) started their first of two semesters of study . In line with the structure of the project scholars' program, each of the 3 scholar's program activities were developed individually based on the scholar's level and needs and in conjunction with their Nigerian academic advisor and their project mentor. During quarter 2 of year 4, each of the 3 scholars developed a scope of work with the active participation of all these stakeholders and all 3 of them are taking courses to strengthen their identified knowledge and research gaps.

During this quarter, the three scholars engaged with the university community in several ways beyond their classes and interaction with their mentors. Each scholar presented their work at 2 different campus events. These presentations provided the students opportunities to practice communicating their research to technical audiences while getting feedback on their work. In addition to sharing knowledge about Nigerian issues, these presentations also created opportunities for the project and USAID investments in Nigeria to be shared with faculty and students.

### **Presentations made by the Project Scholars.**

1. Mrs. Balaraba Abubakar Sule (Federal University of Technology Minna):
  - a. Effects of Agricultural Policies on Rice Production Systems in Kebbi State, Northwest Nigeria. *Brown Bag presentation in the Department of Food, Agricultural, and Resource Economics, Michigan State University. 26 March 2019. 15 Attendees (9 Male and 9 Female)*
  - b. Effects of Agricultural Policies on Rice Production Systems in Nigeria. *Presentation at the 11th Annual Graduate Academic Conference. Michigan State University. 29 March, 2019*
2. Mrs. Hephzibah Onyeje Obekpa (University of Agriculture Makurdi)
  - a. Dietary Diversity and nutritional outcomes of children in Nigeria. *Brown Bag presentation in the Department of Food, Agricultural, and Resource Economics, Michigan State University. 26 March 2019. Jointly with Mrs. Sule so no more attendees to mention.*
  - b. Growing You Own Food and Nutrition; Dietary Evidence from Nigeria. *Presentation at the 11th Annual Graduate Academic Conference. Michigan State University. 29 March, 2019*
3. Mr. Charles Olumba Chukwudi (Ebonyi State University)
  - a. Urban Agriculture, Land Access and Household Food Security in South-East Nigeria. *Brown Bag presentation in the Department of Food, Agricultural, and Resource Economics, Michigan State University. 12 March 2019. 21 Attendees (9 Male, 12 Female).*
  - b. Gendered Food Security in Urban Nigeria: Does Household Headship Matter? *Presentation at the 11th Annual Graduate Academic Conference. Michigan State University. 29 March, 2019*

### **Outreach Pamphlet for dissemination to households and communities produced by a project scholar.**

The project continues to strive to ensure that research output translates to relevant practical output for Nigerians in addition to (but beyond policy makers). In this regard a project scholar, working alongside their project mentor and home institution supervisor has developed a new pamphlet, based on her research for dissemination to the Nigerian public, particularly maize farmers. This pamphlet on the importance of soil physical properties in fertilizer application for maize production (which was initially only in English) has now been translated into one Nigerian Languages (Tiv) with the expectation that it can be further translated to other languages.

1. Guide on how to account for soil physical properties and fertilizer use in Maize based systems. Blessing Iveren Agada. March 2019.  
[https://www.canr.msu.edu/fsp/countries/nigeria/farmer\\_fertilizer\\_manual-finalized.pdf](https://www.canr.msu.edu/fsp/countries/nigeria/farmer_fertilizer_manual-finalized.pdf)

### **Program Highlights produced by Project scholar documenting their experiences (research and personal) as project scholars**

1. My Experience at the Communication Art Building – MSU. Highlights 34, Choko, Onyinye Prince, March 2019. <https://www.canr.msu.edu/resources/my-experience-at-the-communication-art-building-msu>
2. Excellent Transportation System. Highlights 35. Hephzibah Onyeje Obekpa. March 2019. <https://www.canr.msu.edu/resources/excellent-transportation-system>

3. The “R” Lunch! Highlights 36. Abubakar Sule Balaraba. March 2019. <https://www.canr.msu.edu/resources/the-r-lunch>
4. The Brown Bag Seminar. Highlights 37. Abubakar Sule Balaraba. March 2019. <https://www.canr.msu.edu/resources/the-brown-bag-seminar>
5. Graduate Students Organization (GSO): Home Away From Home. Highlights 38. Hephzibah Onyeje Obekpa. March 2019. <https://www.canr.msu.edu/resources/graduate-students-organization-gso-home-away-from-home>
6. Attending My First Brown Bag Seminar at Michigan State University (MSU). Highlights 39. Hephzibah Onyeje Obekpa. March 2019. <https://www.canr.msu.edu/resources/attending-my-first-brown-bag-seminar-at-michigan-state-university>
7. Africa on the Move. Highlights 40. Philip Hegarty James. March 2019.
8. A Walk with President Hannah! Highlights 41. Abubakar Sule Balaraba. 2019.
9. My First Snow Adventure. Highlights 42. Chukwudi Charles Olumba. 2019.

**Other research outputs produced by Project Scholars and project research teams composed of young Nigerian scholars with the deliberate objective of capacity strengthening through collaborative research and mentoring.**

1. Nutrition and growing your own food: Dietary Diversity Evidence from North Central Nigeria. Hephzibah Onyeje Obekpa, Michael Olabisi, 2019. FSP Policy Research Brief 82. East Lansing: Michigan State University.
2. Community-Scale Climate Adaptation: Evidence from Ebonyi State, Nigeria. Choko, Schmitt Olabisi, Onyeneke, Nwawulu Chiemela, Liverpool-Tasie and Rivers III, 2019. FSP Policy Research Brief 81. East Lansing: Michigan State University.

**Training facilitated by Project Scholars**

Maximizing the project’s training reach by leveraging the use of digital technologies, the policy project conducted a 2<sup>nd</sup> Article Writing training session facilitated by a project scholar. The training was conducted at the University of Ibadan on 28 March 2019 (and will continue to be offered across various institutions of higher learning in the FtF focus states and beyond). This demonstrates how high quality training can be delivered through joint collaboration between scholars on different parts of the globe. It also demonstrates how the policy project tries to maximize the benefits of training at minimal costs. Here at the video segments.

1. The Art of Research Discovery and Writing Good Articles. How to get published in peer-reviewed journals, a lecture by T. Reardon for the FSP Nigeria Agricultural Policy Project, October 12, 2018 (1:17) <https://www.canr.msu.edu/resources/the-art-of-research-discovery-and-writing-good-articles-video>
2. How Could You Sell a Research Idea about Nigeria to a Non-Nigerian Reviewer (9'53"). Tom Reardon and Saweda Liverpool Tasie. October 13, 2018. <https://www.canr.msu.edu/resources/how-could-you-sell-a-research-idea-about-nigeria-to-a-non-nigerian-reviewer>
3. What Are Some Ways to Make the Case for your Work's Contributions to the Literature based off of Conventional Wisdoms and Using Factual Questions? Tom Reardon and Saweda Liverpool Tasie. October 13, 2018. <https://www.canr.msu.edu/resources/what-are-some-ways-to-make-the-case-for-your-work-s-contributions-to-the-literature>
4. What Are Some Ways to Apply the Toggle Switch Idea of Shock-Behavior-Outcome to Determine a Good Hypothesis to Test (9'34"). This discussion video is No. 3. Tom Reardon and Saweda Liverpool Tasie. October 13, 2018.

5. <https://www.canr.msu.edu/resources/what-are-some-ways-to-apply-the-toggle-switch-idea>
6. How to Get Published in a Peer Reviewed Journal. Tom Reardon and Saweda Liverpool Tasi. October 13, 2018.
7. <https://www.canr.msu.edu/resources/5-key-points-to-write-for-a-peer-reviewed-journal>

### **Blog Content Supplied by the Project Scholars**

In this quarter, the NAPP Scholars produced blog submissions as means for enhancing discussions around agricultural policy issues. For the quarter under review, each NAPP Scholar at MSU authored blog pieces on an agricultural issue drawn from their research area and relevant to several states. These pieces appear on the project website and continue to receive wide readership.

### **Returns to training conducted by Project Scholars**

Project scholar Mr. Wellington Osawe worked with the editorial board of the **Nigerian Journal of Agricultural Economics** to get the entire 2018 publication online. This continued the project tradition of supporting the Nigerian Association of Agricultural Economists (NAAE) in this regard. The project had assisted the association to put its journal online for the first time in 2017. The difference this year was that the project worked with the association to train some of its members to take on the activity of uploading the documents. This ensures that this activity can be sustainably continued even after the policy project is completed. In this regard, Mr. Wellington trained 2 members of the association (selected by the association leadership) on processes that guide effective article submission by AgEconSearch to ensure that the association will independently be able to upload future editions of the journal. One aspect was ensuring that submitted articles are formatted according to the AgEconSearch website guidelines. This eases online accessibility of the articles. Getting the Nigerian Journal of Agricultural Economics online will significantly increase global awareness about research conducted in Nigeria. The instrumental role of Mr. Osawe demonstrates how the project's scholars program is not only supporting domestic research but building capacity of Nigerians to independently disseminate it, as well. Recently, AgEcon SEARCH announced that 79 papers from the Nigerian Journal of Agricultural Economics (NJAE) (which the policy project supported to put online) were downloaded from its site 10,676 times in 2018. This is a practical example of how the policy project, through its scholars program, is supporting domestic research and building capacity of Nigerians to independently disseminate such research. It also confirms the project's experience that it takes time and patience to develop and nurture strong and fruitful relationships.

### **First Quarter (October-December 2018)**

In this quarter, four project scholars (2 PhD candidates and 2 MS students) successfully completed their study as NAPP Scholars and returned to their universities in December. While on campus the scholars engaged with the MSU community and presented their work both on and off campus. These presentations provided the students opportunities to get feedback on their work, practice making formal presentations while sharing knowledge on Nigerian issues.

### **Presentations made by the Project Scholars.**

1. Blessing Iveren Agada (Federal University of Agriculture, Makurdi):
  - a. **High Agricultural productivity need for site-specific crop nutrient management.**  
*Presented at the Annual meeting of Agronomy Society of America/Crop Science Society of America, Baltimore Nov. 4th to 8th 2018*
  - b. Productivity and extension issues in Nigeria, Involving University students as a way forward. *Presented at the African R and D connect seminar series. PSSB MSU. Nov. 28 2018*

- c. An interdisciplinary approach to Agricultural training. *A podcast chat with the MSUfoodfix team from the MSU communications department. Nov.28 2018. Published Dec. 3, 2018. <https://msufoodfix.wordpress.com> or Tweets by @MSUfoodfix on twitter.*
2. Mr. Osawe Wellington (University of Ibadan)
  - a. Competitiveness of Domestic Rice under Different Production and Processing Technologies in Nigeria: An Application of Policy Analysis Matrix. *Presented at the MSU AFRE Brownbag Seminar series on Oct 9, 2018, 15 Attendees (8 Male and 7 Female)*
  - b. Options for Improving the Competitiveness of Domestic Rice Production in Nigeria. *Paper Presented at the Maiden Sustainability and Development Conference at the University of Michigan, Ann Arbor, November 9-11, 2018*
3. Philip James Hegarty (Federal University of Agriculture Makurdi)
  - a. "Water Use Efficiency of Cowpea Cultivars Grown on Residual Moisture from the Fadama in Tasompoh Zing LGA, Taraba State, Nigeria". *Presented at the Department of Agricultural Food and Resource Economics. Seminar on November 2018. Fifteen Attendees (11 Male, 4 Female).*

During this quarter, preparations were finalized to receive the three new (and final) PhD Project scholars in FY19 Quarter 2.

**Outreach Pamphlet for dissemination to households and communities produced by a project scholar.**

The project continues to strive to ensure that research output translates to relevant practical output for Nigerians in addition to (but beyond policy makers). In this regard a project scholar, working alongside their project mentor and home institution supervisor has developed a new pamphlet, based on her research for dissemination to the Nigerian public. This pamphlet has been translated into the three main Nigerian Languages (Hausa, Igbo and Yoruba) with the expectation that it can be further translated to other languages.

1. Properly ferment and prepare your Ogi/Koko/Akamu/Pap! It can save your life! Oluwatoyin Ademola. Saweda Onipede Liverpool-Tasie, Adewale Obadina, Felicia Wu & Nikita Saha Turna. September 2018.  
<https://www.canr.msu.edu/resources/properly-ferment-and-prepare-your-ogi-koko-akamu-pap>

**Program Highlights produced by Project scholar documenting their experiences (research and personal) as project scholars**

As part of the project's effort to document and disseminate the experiences of its scholars the following publications were produced

1. Changing Perspective to Data Analysis: My Journey with R Statistical Programming. Highlights 33, Agada Iveren Blessing, September 2018.  
<https://www.canr.msu.edu/resources/a-changing-perspective-to-data-analysis-my-journey-with-r-statistical-programming>
2. The Future of Africa: Making "Africanists", Driver of Our Own Development. Highlights 31, Osayanmon Wellington Osawe, September 2018.  
<https://www.canr.msu.edu/resources/the-future-of-africa-making-africanists-driver-of-our-own-development>

**Policy Research Briefs Prepared by Project Scholars as a follow up to the project training on R Software**

In July 2018, the project organized a two-week training on a new cutting-edge statistical software called R. Following the project organized training, the project worked with each scholar to ensure that the scholars apply the skills learned in their research. Each scholar was expected to generate a policy brief based on work done using R. The project scholars were backstopped by the project faculty who trained them (Dr. Michael Olabisi), Dr Saweda Liverpool-Tasie and Mr. Steve Longabaugh. Output produced include:

1. Use of Modern Inputs and Complementary Farm Practices in the Nigeria Rice Value Chain: Implications for Policy. Osayanmon Wellington Osawe, 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief 85. East Lansing: Michigan State University. <https://www.canr.msu.edu/resources/use-of-modern-inputs-and-complementary-farm-practices-in-the-nigeria-rice-value-chain-implications-for-policy>
2. Changing the Fertilizer Conversation in Nigeria: The Need for Site Specific Soil-Crop Fertilizer Use. Blessing Agada 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief 73. East Lansing: Michigan State University. <https://www.canr.msu.edu/resources/changing-the-fertilizer-conversation-in-nigeria-the-need-for-site-specific-soil-crop-fertilizer-use>
3. Trade Openness in Nigeria and its Effect on Agricultural Share of GDP. Abubakar Balaraba Sule. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.
4. Agriculture, Land Access and Economic Growth in Africa: An Instrumental Variable Approach. Chukwudi C. Olumba. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.
5. The Nexus between Malnutrition and Agricultural Subsector Outputs in Nigeria. Hephzibah Onyeje Obekpa. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.
6. Survey on Milk Production in Nigeria for the Year 2015. Onyinye Prince Choko. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.
7. Farmers' Perception of Causes of Soil Degradation in Northern Taraba, in Taraba State of Nigeria. Hegarty James Philip. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.

**Other research outputs produced by Project Scholars and project research teams composed of young Nigerian scholars with the deliberate objective of capacity strengthening through collaborative research and mentoring.**

1. The Occurrence and Co-Occurrence of Aflatoxin and Fumonisin along the Maize Value Chain in Southwest Nigeria. Lenis Liverpool-Tasie, Nikita Saha Turna, Oluwatoyin Ademola, Adewale Obadina, Felicia Wu, 2018. Feed the Future Innovation Lab for Food Security Policy Research Paper 120. East Lansing: Michigan State University. <https://www.canr.msu.edu/resources/the-occurrence-and-co-occurrence-of-aflatoxin-and-fumonisin-along-the-maize-value-chain-in-southwest-nigeria>
2. The Rapid Transformation of the Fish Value Chain in Nigeria: Evidence from Kebbi State. Ayuba Gona, Gwoni Woji, Sunday Norbert, Hajar Muhammad, Lenis S. O. Liverpool-Tasie, Thomas Reardon, Ben Belton, 2018. Feed the Future Innovation Lab for Food Security Policy Research Paper 118. East Lansing: Michigan State University. <https://www.canr.msu.edu/resources/the-rapid-transformation-of-the-fish-value-chain-in-nigeria-evidence-from-kebbi-state>

3. Climate Change Adaptation among Poultry Farmers: Evidence from Nigeria. Lenis Saweda O. Liverpool-Tasie, Awa Sanou and Justice A. Tambo, 2018. Feed the Future Innovation Lab for Food Security Policy Research Paper 117. East Lansing: Michigan State University. <https://www.canr.msu.edu/resources/climate-change-adaptation-among-poultry-farmers-evidence-from-nigeria-research-paper>
4. The Effect of Processing Practices on Mycotoxin Reduction in Maize Based Products: Evidence from Lactic Acid Fermentation in Southwest Nigeria. Oluwatoyin Ademola, Lenis Saweda O. Liverpool-Tasie, Adewale Obadina, Nikita Saha Turna, Felicia Wu, 2018. Feed the Future Innovation Lab for Food Security Policy Research Paper 116. East Lansing: Michigan State University. <https://www.canr.msu.edu/resources/the-effect-of-processing-practices-on-mycotoxin-reduction-in-maize-based-products-evidence-from-lactic-acid-fermentation-in-southwest-nigeria>.
5. The Co-Occurrence of Aflatoxin and Fumonisin along the Maize Value Chain in Southwest Nigeria. Lenis Liverpool-Tasie, Nikita Saha Turna, Oluwatoyin Ademola Adewale Obadina, Felicia Wu, 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief 83. East Lansing: Michigan State University. <https://www.canr.msu.edu/resources/the-co-occurrence-of-aflatoxin-and-fumonisin-along-the-maize-value-chain-in-southwest-nigeria>

#### **Training conducted by Project Scholars**

Project scholar, Mr. Wellington Osawe worked with the editorial board of the **Nigerian Journal of Agricultural Economics** to get their 2018 Journal publication online. This continued the project tradition of supporting the Nigerian Association of Agricultural Economists (NAAE) in this regard. The project had assisted the association to put its journal online for the first time in 2017. The difference this year was that the project worked with the association to train some of its members to take on the activity of uploading the documents. This ensures that this activity can be sustainably continued even after the policy project is completed. In this regard, Mr. Wellington trained 2 members of the association (selected by the association leadership) on processes that guide effective article submission by AgEconSearch to ensure that the association will independently be able to upload future editions of the journal. One aspect was ensuring that submitted articles are formatted according to the AgEconSearch website guidelines. This eases online accessibility of the articles. Getting the Nigerian Journal of Agricultural Economics online will significantly increase global awareness about research conducted in Nigeria. The instrumental role of Mr. Osawe demonstrates how the project's scholars program is not only supporting domestic research but building capacity of Nigerians to independently disseminate it, as well.

#### **Blog Content Supplied by the Project Scholars**

In the last quarter of year 3, the NAPP Scholars were trained on utilizing social media as means for enhancing discussions around agricultural policy issues. For the quarter under review, each NAPP Scholar authored blog pieces on an agricultural issue drawn from their research area and relevant to several states. These pieces appear on the project website and continue to receive wide readership.

#### **Training Videos Geared Towards Young Nigerian Academics:**

As part of its effort to maximize the projects training reach leveraging on the use of digital technologies, the policy project developed and delivered a digital training on journal article writing during the months of September and October. These videos were used at the 2018 Nigerian Association of Agricultural Economists meeting through the facilitation of Nigerian Professors and young Nigerian collaborators. The training will be offered across various institutions of higher

learning in the FtF focus states and beyond. This demonstrates how high quality training can be delivered through joint collaboration between scholars on different parts of the globe. It also demonstrates how the policy project tries to maximize the benefits of training at minimal costs.

1. The Art of Research Discovery and Writing Good Articles. How to get published in peer-reviewed journals, a lecture by T. Reardon for the FSP Nigeria Agricultural Policy Project, October 12, 2018 (1:17) <https://www.canr.msu.edu/resources/the-art-of-research-discovery-and-writing-good-articles-video>
2. How Could You Sell a Research Idea about Nigeria to a Non-Nigerian Reviewer (9'53"). Tom Reardon and Saweda Liverpool Tasié. October 13, 2018. <https://www.canr.msu.edu/resources/how-could-you-sell-a-research-idea-about-nigeria-to-a-non-nigerian-reviewer>
3. What Are Some Ways to Make the Case for your Work's Contributions to the Literature based off of Conventional Wisdoms and Using Factual Questions? Tom Reardon and Saweda Liverpool Tasié. October 13, 2018. <https://www.canr.msu.edu/resources/what-are-some-ways-to-make-the-case-for-your-work-s-contributions-to-the-literature>
4. What Are Some Ways to Apply the Toggle Switch Idea of Shock-Behavior-Outcome to Determine a Good Hypothesis to Test (9'34"). This discussion video is No. 3. Tom Reardon and Saweda Liverpool Tasié. October 13, 2018. <https://www.canr.msu.edu/resources/what-are-some-ways-to-apply-the-toggle-switch-idea>
5. How to Get Published in a Peer Reviewed Journal. Tom Reardon and Saweda Liverpool Tasié. October 13, 2018. <https://www.canr.msu.edu/resources/5-key-points-to-write-for-a-peer-reviewed-journal>

### **Supervising Professors Visit MSU.**

During the period October 23 – November 21, Professors Aiyeloja Adedapo (University of Port Harcourt, Dept. of Forestry and Wildlife Management) and Ale Aminu (Federal University of Agriculture Makurdi, Soil Science) visited MSU as part of the Project Scholars program. They are the supervisors of Mr. Onyinye Prince Choko and Philip James Hegarty respectively.

While at MSU, these professors met many MSU faculty and forged research linkages that look very promising for providing answers to important research questions. These discussions included faculty in the disciplines of entomology, forestry, soil fertility, community sustainability and economics. Additionally, technical aspects such as grant management, proposal development and submission were covered.

They made the following presentations in the MSU Department of Agricultural, Food and Resource Economics on November 13, 2018.

1. Contribution of Charcoal to Roasted Plantain and Yam Business in Part Harcourt Nigeria: Implication for Forest Conservation. Aiyeloja Adedapo.
2. Poor Fertilizer Use and Management: The Need for Adoption of Integrated Nutrient Management for Sustainable Agricultural Production in Nigeria. Ali Alimu.
3. Eleven Faculty and students attended these presentations (7 Male and 4 Female)

### **ACTIVITY 1.4: Media engagement and Training at Federal and the State Level (Agricultural Communication and Policy Advocacy)**

#### **Media engagement (Federal and State Levels)**



There was no activity for the quarter under review due to the non-availability of the target media personnel.

### **ACTIVITY 1.5: Engagement with non-government stakeholders (e.g. civil society, NGOs, and think tanks) with particular focus on FTF states #1**

#### **Fourth Quarter (July – September 2019)**

On 29 August 2019, Dr. Kwaw Andam and Dr Bedru Balana, participated in the 6th National Multi-stakeholders Forum and Policy Seminar in Abuja organized by the Agricultural Policy Research Network (APRNet) in collaboration with the Project. This event was also attended by the new USAID AOR, Dr. Samba Kawa, and several government officials including two senators. The event featured topical discussions on Nigeria's agricultural policies and the competitiveness of local producers in light of the changing trade environment, particularly the launch of the African Continental Free Trade Area (AfCFTA) agreement. In an interview with the African Independent Television (AIT) at the event, Bedru highlighted the need for policymakers to focus on boosting agricultural productivity for small-scale farmers to enhance food security in Nigeria. Please see highlights in the link <https://youtu.be/XjDEtOJSQns>.

On 7 August 2019, Dr. Hosaena Ghebru, delivered a seminar titled, "Role of Land Access in Youth Migration and Youth Employment Decisions: Empirical Evidence from Rural Nigeria" as part of the research dissemination activity of the Project. In his engagement with the media, Hosaena explained the roles of land access on youth migration and how agricultural modernization and commercialization can impact youth involvement in agriculture in Nigeria. Please see highlights in the link: : <https://theeagleonline.com.ng/migration-expert-tasks-fg-states-to-commercialise-modernise-agriculture/>

On 27 September 2019, Dr Mulubrhan Amare, disclosed delivered a seminar in Minna (Niger State) on 'Urbanisation, Child Undernutrition and Public Health' and emphasized on tackling malnutrition in Nigeria'. He gave an interview to News Agency of Nigeria (NAN) (see the link here: <https://sundiatapost.com/research-body-to-tackle-malnutrition-stunted-growth-in-nigeria/>). During the interview with News Agency of Nigeria (NAN) in Minna, Dr Amare explained that his research/seminar was sponsored by the USAID and highlighted that "*The survey we carried out in 2018 revealed that there are 9.7 million stunted children in Nigeria today as a result of malnutrition. Among them 6 million are from Northern part of the country which accounts for more than 50 per cent.*". He said that there was need for specific intervention to solve the problem hence bringing the stakeholders together to brainstorm. NAN reports that the seminar sponsored by the USAID had in attendance Ministries, Departments and Agencies (MDAs), Non-Governmental Organizations and Civil Society Organizations as stakeholders.

#### **Third Quarter (April – June 2019)**

In two trainings organized between 9 and 11 April 2019, the Project trained 22 farmers (18 male and 4 female) on 8 – 9 April 2019 and 23 agro-dealers (12 male and 6 female) representing the private sector on 10 – 11 April 2019 in Delta State on Policy Communications. The participants were introduced to basic concepts of policy communications, the use of social media for both disseminating and tracking policy communications effectively and publicly available sources of information related to agricultural policy in the Nigerian context. The training is part of efforts by the Project to enhance Nigeria's agricultural policy environment. It is expected that trainings such as this would equip

stakeholders and players in the agricultural sector to advocate, share and use evidence to drive sound policymaking and implementation in the country.

A team of two trainers from the Project delivered policy communications training courses to 18 journalists (12 male and 6 female) on 15 – 16 April 2019 and 27 agro-dealers (21 male and 6 female) on 17 – 18 April 2019 in Cross River State. The journalists were from various media houses (including print and television) within the state while on the other hand, the agrodealers represented various agribusiness enterprises in Cross river state. In the two trainings, participants were introduced to basic concepts of Policy Communications, the use of social media for disseminating information and engaging in policy discussions and sources of information relevant to agriculture.

In a move towards strengthening the capacity of Nigeria’s journalists to effectively contribute to national discussions on agricultural issues, a team of two (2) trainers from the Project facilitated a Policy Communications training course for journalists in Kaduna state on 13 and 14 May 2019. The training was attended by 23 journalists (12 male and 11 female) from various media houses including print, radio and television. A similar training was delivered to some selected private sector actors within the rice and maize value chains in Kaduna state on 15 – 16 May 2019. Sixteen (16) participants attended the Policy Communication training. The training course covered the source of information relevant to agricultural policy, the use of social media for policy communications, and good practices in the building of social media audiences for agricultural policy.

Between 24 and 27 June 2019, the Project delivered two policy communications training courses in Cross River State: one on 24-25 June 2019 for the private sector where 29 agro-dealers (23 male, 6 female), and another on 26 -27 June 2019 where 18 farmer groups (14 male, 4 female) participated. During the training, participants were introduced to basic concepts of Policy Communications, the use of social media for disseminating information and engaging in policy discussions and sources of information relevant to agriculture. It is expected that following this training the capacity of the agro-dealers in the private sector and farmer groups in disseminating useful information and policy discussions within their formal and informal groups in the formulation of agricultural policies in Nigeria would be enhanced.

### **Second Quarter (January-March 2019)**

During the second quarter, the project delivered a training on policy communications to 25 staff members (17 male, 8 female) of the National Bureau of Statistics (NBS) on the 13 and 14 February, 2019. The training introduced the participants to basic concepts around policy communications, as long as more contemporary tools, such as policy briefs/notes and social media, which are used for communicating and disseminating evidence and promoting engagement on policy issues. The training was geared at boosting the ability of Nigeria’s researchers and policy analysts to make widely available the evidence required for effective policymaking for Nigeria’s agricultural sector. Especially for NBS, which is a major supplier of statistical data for government and other stakeholders, the ability to analyze and make more data available for policy dialogue and decision-making is crucial.

On March 12 and 13, 2019, the Project delivered a Policy Communications training course for journalists from the National Assembly (NASS) Press Corps in Nigeria’s capital, Abuja. The 22 journalists (20 male and 2 female) represented diverse news media firms, all united in their shared focus on the activities of the country’s federal legislature. The training exposed them to the basic principles of Policy Communications, publicly available and accessible sources of information relevant to agricultural policy, other tools for policy engagement such as policy briefs or policy notes, and of

course, social media as a tool for effective reporting on policy issues. Following the training, members of the NASS Press Corps now have a WhatsApp group the project helped them set up, for the purposes of sharing information, articles and for reaching out to the project for data needed for preparing stories related to agricultural policy. An immediate outcome of the training is that a member of the Whatsapp group, Mr. Solomon Salako, a reporter with Television Nigeria, has reported that he is currently working on a programme synopsis for his TV station, so that they could begin to report more intensively on issues related to agriculture. It is expected that following this training the capacity of journalists in generating useful evidence in the formulation of agricultural policies in Nigeria would be enhanced.

In two trainings organized between 21 and 24 January 2019, the project trained 35 journalists (21-22 January 2019) and 15 farmers (21-22 January 2019) in Ebonyi State on Policy Communications. The 50 (25 male and 25 female) participants were introduced to basic concepts of policy communications, the use of social media for both disseminating and tracking policy communications effectively and publicly available sources of information related to agricultural policy in the Nigerian context. The training is part of efforts by the project to enhance Nigeria's agricultural policy environment. It is expected that trainings such as these equip stakeholders and players in the agricultural sector to share and use evidence to drive sound policymaking and implementation in the country.

Between 28 and 31 January 2019, the project delivered two policy communications training courses for a total of 60 government officials (28-29 January) and farmers (30 - 31 January) in Kebbi State. The 25 government officials (23 male, 2 female) work at the Kebbi State Ministry of Agriculture and Natural Resources and the Kebbi State Agricultural Development Programme. On the other hand, the 35 participants (27 male, 8 female) represented various farmer groups in Kebbi State. In the two trainings, participants were introduced to basic concepts of Policy Communications, the use of social media for disseminating information and engaging in policy discussions and sources of information relevant to agriculture. Government officials were also introduced to policy notes, an effective contemporary tool for informing, educating and persuading on policy issues.

Due to the significant role journalists play in any country's policy space, it is essential that journalists are well equipped to effectively drive public conversations around policy issues. In recognition of this fact, the Project facilitated a policy communications training course for journalists in Oyo state on 20 and 21 March 2019. The training course was attended by 23 participants (13 male and 10 female) from various media houses. Recognizing the importance of media in shaping the social narratives on agriculture, this training was organized to enhance media involvement in the agricultural policy process. The training was very educative and inspiring for the journalists in the state who will use the knowledge gained to successfully disseminate emerging agricultural policy issues to stakeholders in Oyo state. As a result of this training, journalists in Oyo state have promised to be more active on social media as well as to dedicate more resources to covering agricultural policy issues.

Between 25 and 28 March 2019, the project delivered two policy communications training courses for 27 farmer groups (20 male, 7 female) on 25-26 March 2019, and the private sector comprised of 27 agro-dealers (20 male, 7 female) on 27 -28 March 2019 in Benue state. In the two trainings, participants were introduced to basic concepts of Policy Communications, the use of social media for disseminating information and engaging in policy discussions and sources of information relevant to agriculture. It is expected that following this training the capacity of the agro-dealers in the private sector and farmer groups in disseminating useful information and policy discussions within their formal and informal groups in the formulation of agricultural policies in Nigeria would be enhanced.

### **First Quarter (October – December 2018)**

In the first quarter, the Project engaged with various media stakeholders to identify capacity building needs to be offered as part of activities to be implemented in Year 4. Following these engagements, a number of training courses began to be delivered in the FTF focused states. Please see activity 1.4 for further details on this.

October 22 and 23, 2018, the Project delivered an intermediate Policy Communications training course for journalists from the National Assembly (NASS) Press Corps in Nigeria's capital, Abuja. The twelve journalists (11 males and 1 female) were trained in the use of online systems for disseminating policy-relevant information and the development of communication strategies and plans. This training built upon knowledge and skills gained in an introductory Policy Communications training course held earlier in 2018. It is expected that following this training the capacity of journalists in generating useful evidence in the formulation of agricultural policies in Nigeria would be enhanced.

October 29 and 30, 2018, the Project carried out an intermediate Policy Communications training in Kebbi state capital, Birnin-Kebbi, as part of efforts towards further strengthening the capacity of Nigerian journalists to drive evidence-based discussions on agricultural policy. The 21 participants (11 male, 10 female) represented a diverse mix in terms of news media ownership with representation of journalists from radio, television and newspapers owned by Kebbi State Government, the Federal Government of Nigeria and the private sector (Annex H). The training covered the design and implementation of communication strategies and plans as well as the use of online platforms and social media for researching, reporting and disseminating information, particularly those related to agricultural policy.

It is difficult to refute the importance of the role that journalists play in setting the agenda and shaping national discussions on issues. As gatekeepers of information, they are vital stakeholders in ensuring an environment where policy decisions are sound and evidence-based. In recognition of this fact, The Project trained 23 journalists on the basics of Policy Communications on 31 October – 1 November 2018 in Birnin-Kebbi, Kebbi State capital. The journalists (13 males, 10 females) who represented various news media outfits (Annex H), were introduced to the concepts of Policy Communications, publicly available and accessible sources of information related to agricultural policy related to Nigeria as well as the role of social media in public discussions on agricultural policy.

As key players in the policymaking space, it is essential that journalists are well equipped to effectively drive public conversations around policy issues. It is on this basis that the Project delivered a policy communications training for 27 journalists based in Niger State from 13-14 November 2018. The participants (13 male, 14 female) at the training were all professionals working with various news media firms, including privately, federal and state-owned organizations (Annex H). The training provided journalists with an introduction to the concepts of policy communications and the use of social media for disseminating and tracking policy-relevant information. Participants also got the opportunity to work on converting policy-relevant agricultural research into stories that would engage a non-technical audience, particularly policymakers and farmers.

On November 15 and 16 2018, two Project Communication Experts delivered an intermediate level Policy Communications training course for 15 journalists based in Niger State. The participants (11 male, 4 female) all work with various news media organizations, including radio, television and newspapers (Annex H). The training covered the design and implementation of communication

strategies and plans as well as the use of online platforms and social media for researching, reporting and disseminating information, particularly those related to agricultural policy. The training was well received by the participants.

## **COMPONENT 2: POLICY DRIVEN COLLABORATIVE RESEARCH AND ANALYSIS.**

Following a meeting with USAID on July 26, 2018, the Project was requested to focus on using the findings and recommendations from the over 26 research studies conducted in years 1- 3 to implement Components 1 and 3 in Year 4 of the Project implementation, and not to undertake further research in Year 4. This should be geared towards capacity building and dissemination and for promoting policy dialogue efforts. Thus, in year 4, the project did not engage in any research beyond support offered to the project scholars. The project focused on capacity building and dissemination of the research outputs that emanated from years 1-3.

## **COMPONENT 3: STRENGTHENING EVIDENCE-BASED POLICY PROCESS AND PROMOTING IMPACT**

**ACTIVITY 3.1: Strengthening Policy Process by bridging the gap between “knowledge providers” and “knowledge users”: Outreach, engagement and Dissemination of Results from component 2**

### **Fourth Quarter (July- September 2019) National Level Dissemination**

As a measure towards driving innovation in Nigeria’s agricultural sector, on 16 September 2019 in Abuja, the project introduced 30 senior FMARD officials to tools developed under the Capacity Development for Agriculture Innovation Systems (CDAIS) project. The CDAIS is a global activity funded by the United States Agency for International Development (USAID). Under the CDAIS project, researchers have developed tools that when implemented, would help players in agriculture working on research, education, extension (REE) or policy to effectively analyze themselves and be properly positioned to bring about innovations within their respective agricultural systems. Prior to this activity with FMARD, Dr. Suresh Babu, and Dr. Kwaw Andam, in collaboration with colleagues from WorldFish, Wageningen University and other stakeholders, had already verified the tools with actors in Ibadan, Oyo State. Here, the tools were tested for the aquaculture sector in the states of South West Nigeria (Ekiti, Lagos, Ogun, Ondo, Osun and Oyo). The CDAIS toolkit has also been tested in Niger State, where it was applied against multiple value chains and food sectors in the state.

On July 17, 2019, a research dissemination and brainstorming session on addressing the challenges of aflatoxin contamination along the maize value chain took place at the National Agency for Food and Drugs Administration and Control (NAFDAC), Abuja. It was jointly organized by the Feed the Future Nigeria Agricultural Policy Project (NAPP) and NAFDAC. The one-day program was attended by 34 participants (17 males and 17 females) from government, the private sector, producer groups, civil society, research organizations and academia.

The program included a technical session where presentations were given by representatives of the two organizing agencies. There were three speakers from NAPP. Professor Liverpool-Tasie made a presentation on “Market based incentives to address aflatoxin contamination in maize”, while Prof

Adewale Obadina from Federal University of Agriculture, Abeokuta (FUNAAB) spoke on “The occurrence of aflatoxin and fumonisin along the maize value chain”. Mrs. Oluwatoyin Adebawale, a food science graduate and NAPP Scholar from FUNAAB, did her presentation on “Effect of Lactic acid fermentation on mycotoxin reduction of maize based products in southwest Nigeria”.

This was followed by presentations from NAFDAC staff. Mrs. Ngozi Okeke, Chief Regulatory Officer, Food Safety and Applied Nutrition Directorate, Lagos presented on “Strategies and challenges associated with aflatoxin regulation enforcement in Nigeria”. Mrs. Grace Toyin Adebisi, Chief Laboratory Technologist/Head, Mycotoxin Laboratory focused on “Mycotoxins Data in Nigeria: Prospect and Challenges”.

After comments, questions and answers at the end of the technical session, the participants were divided into three groups to reflect on the presentations, to explore their personal experiences with issues of aflatoxin in feed and food products and to further discuss two questions:

1. What can be done to increase the availability of up-to-date data on the incidence of mycotoxin contamination in Nigeria?
2. What are the next steps to build on what we do know and the current situation with enforcement to address this challenge of aflatoxin contamination in maize based products in Nigeria?

After these discussions, representatives from each group presented a summary of their group findings. Participants’ email addresses were collected for the dissemination of outputs from the event and for future research collaboration. The event created awareness on the presence of aflatoxins and other mycotoxins in foods and feeds and health implications for humans and farm animals. It also provided solutions by presenting options to reduce mycotoxins in foods and feeds.

This activity demonstrates how, through collaborative research, the policy project strengthens capacity all the way to stakeholder engagement.<sup>5</sup> It also documents how project research results are being disseminated

1. Liverpool-Tasie L.S.O, Saha Turna N, Ademola O, Obadina A, Wu F (2019). The occurrence and co-occurrence of aflatoxin and fumonisin along the maize value chain in southwest Nigeria. *Food and Chemical Toxicology*. 129, 458-465
2. [The Effect of Processing Practices On Mycotoxin Reduction in Maize Based Products: Evidence from Lactic Acid Fermentation in Southwest Nigeria](#), September 4, 2018
3. [Sustainable Agricultural Data Collection: Insights from the United States of America for Nigeria](#), September 1, 2018
4. [Aflatoxins Jeopardize Food Safety and Entrepreneurial Food Processing Opportunities in Nigeria](#), February 1, 2018
5. [Food Safety in the Rapid Transformation of Food Systems in Africa: Aflatoxins along the Maize Value Chain in Nigeria](#), December 3, 2017

On 30 July 2019, Dr. Hosaena Ghebru gave a seminar presentation at the project coordinating unit (PCU) of the Federal Ministry of Agriculture and Rural Development (FMARD) Abuja Office on the role of land access in youth migration and employment decisions in Nigeria. Overall, the findings

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<sup>5</sup> Stakeholder Engagement, Collaborative Research and Capacity Strengthening. Highlights 51, Oluwatoyin Adebawale, August 2019. <https://www.canr.msu.edu/resources/stakeholder-engagement-collaborative-research-and-capacity-strengthening>

show that the size of expected land inheritance is significantly and negatively associated with long-distance migration and migration to urban areas, while a similar impact is negligible when a broader definition of migration is adopted and when migration is deemed as temporary. The seminar presentation focused on sharing the drivers of youth migration and the role land access plays in youth decision either to migrate or not in Nigeria drawing on early lessons learnt from previous on land access and tenure security in Nigeria. The seminar was well received and attended by 17 participants (10 male and 7 female) from various stakeholder groups including representatives of development partners, non-governmental organizations, the donor community, senior advisors to the Minister of Agriculture, academia, and research.

### **State Level Dissemination of Research Findings**

On September 27, 2019 a research seminar titled “Urbanization, Child Undernutrition and Public Health in Nigeria” was held at the Niger State Ministry of Agriculture and Rural Development, in which key research findings from three studies (see below), which had been completed under NAPP between 2016 and 2018, were presented. The meeting was attended by various stakeholder within the state from the Ministries, Departments and Agencies (MDAs), Non-Governmental Organizations and Civil Society Organizations as stakeholders.

1. **Mulubrhan Amare**, Todd Benson, Olusegun Fadare, and Motunrayo Oyeyemi (2018): *Study of the Determinants of Chronic Malnutrition in Nigeria*, published in *Food and Nutrition Bulletin* <http://www.ifpri.org/publication/study-determinants-chronic-malnutrition-northern-nigeria-quantitative-evidence-nigeria-0>
2. **Mulubrhan Amare**, Channing Arndt, Kibrom A. Abay and Todd Benson (2018): *Urbanization and Child Nutrition Outcomes*, published in *The World Bank Economic Review* <http://www.ifpri.org/publication/urbanization-and-child-nutritional-outcomes-0>
3. Kibrom Abay and **Mulubrhan Amare** (2018): *Night Light Intensity and Women’s Body Weight: Evidence from Nigeria*, published in *Economics and Human Biology*. <http://www.ifpri.org/publication/night-light-intensity-and-womens-body-weight-evidence-nigeria>

Specifically, the research findings highlighted the following messages:

#### **Key Messages from the first paper**

(1) The burden of chronic malnutrition – in particular, undernutrition – in northern Nigeria is one of the heaviest globally. Close to half of all children under five years of age in the Northeast and Northwest geopolitical zones were estimated to be stunted in their growth for their age in 2013, compared to 22 percent in the rest of Nigeria; (2) Accelerated progress on all the factors that contribute to improved child nutritional status will be needed in northern Nigeria if young children in coming generations there are to realize their physical growth potential to the same degree as young children in other areas of the country; and (3) strong evidence of the need to treat the nutritional challenges of northern Nigeria quite differently than how nutritional challenges are addressed in other areas of Nigeria;

#### **Key messages from the second and third papers**

(1) Higher light intensity tended to match with lower rates of stunting among children; (2) At higher levels of light and urbanization, stunting figures rise—indicating that as cities grow bigger the benefits of urban life brings for reducing undernutrition may become less accessible; (3) Doubling the average level of night light intensity results in a 10 percent increase in the probability of overweight women; (4) Expansion of towns can be more effective in reducing poverty levels than the expansion of

megacities; and (5) the findings highlight the importance of understanding the complex dynamics of urbanization and the resulting nutrition transition which calls for tailoring efforts to reduce negative health impacts like child stunting and women's overweight in developing countries, while emphasizing context specific solutions.

### **Highlights on the seminar**

Dr. Ibrahim Musa, Permanent Secretary, Niger Ministry of Agriculture and Rural Development, said that the seminar was an opportunity for the state government to know more about child/mother mortality rate. Musa, who was represented by Abdullahi Aliyu, the ministry's Director of Agricultural Services, said that the measure would help the government to know the population of children to enable it to proffer solution to the malnutrition issue. He promised that the government would facilitate any programme that would bring about good nutrition for children. Mrs. Laiatu Danladi, Chairman Scaling Up Nutrition in Niger, a Civil Society Organization, acknowledged that malnutrition in the North has resulted in stunted development in children. Danladi said that another factor contributing to the issue of malnutrition in the North was the issue of insurgency and banditry. "The current insurgency and banditry being tackled by the Federal Government have displaced many families making them lose their source of livelihood. In some cases, many parents and breadwinners have been killed leaving children to suffer," she said. Please see further highlights in the link: <https://sundiatapost.com/research-body-to-tackle-malnutrition-stunted-growth-in-nigeria/>

On 19 September 2019, Olivier Ecker, presented a research seminar entitled "Food System Transformation, Dietary Change, and the Role of Agricultural Policy in Nigeria" in Abuja. The audience of the seminar was made up of 36 individuals (13 male, 23 female) representing various ministries, departments and agencies; private sector organizations; and non-governmental organizations working on nutritional issues in Nigeria. The audience included USAID nutrition specialist Ebenezer Oluloto Amuwaoluwa. A major point arising from the presentation was that while increasing the knowledge about nutrition encourages health food choices, this would have little impact on nutritional outcomes without an accompanying increase in household incomes. The evidence Dr. Ecker presented were drawn from studies funded by the United States Agency for International Development through the Project and are a product of research collaborations between IFPRI and CGIAR's Research Program on Policies, Institution and Market (PIM CGIAR).

### **Support to FMARD policy processes**

Support to FMARD remains a key objective of the Project. The Project has continuously strengthened the good partnership with FMARD since inception. FMARD has a representative on the Policy Project's National Advisory Committee and the Project has regular meetings with FMARD management including the Project Coordinating Unit, and senior advisors to the Honorable Minister of Agriculture (HMA), among others.

### **FMARD Extension Policy Review**

The project continued to work with the management of the Federal Department of Agricultural Extension (FDAE) to develop national and state level capacity for designing and implementing policy reforms in the extension and rural advisory services. On 17 September 2019, Dr. Suresh Babu, on behalf of the project facilitated the review of outcomes for developing and implementing extension reforms following 14 May 2019 activities delivered for senior staff members of the FMARD with FDAE playing critical roles.

### **Third Quarter (April-June 2019)**



### **A. National Level Dissemination**

Under this component, the Nigeria Agricultural Policy Project seeks to systematically bring together various stakeholders and actors in the policy process to share knowledge that can contribute to improved policy processes. As part of its capacity strengthening activities in Nigeria, the project has further supported Nigeria's Federal Ministry of Agriculture and Rural Development (FMARD) in its move to coordinate the development of an extension policy for the country. From 14-24 May 2019 Dr. Suresh Babu worked closely with FMARD's Department of Agricultural Extension (FDAE) in Abuja and Niger State Ministry of Agriculture and Natural Resources on the following areas:

1. Workshop on Extension Policy implementation for FMARD staff that included the Departments of Agricultural Extension, and Planning and Policy Coordination held in Abuja 14 May 2019. A total of 33 participants (19 male, 14 female) attended the workshop.
2. 15 May 2019, A seminar on extension policy implementation for Directors from the FMARD Office in Niger State, the Agricultural Development Programme (ADP) and Niger State Ministry of Agriculture and Natural Resources was conducted for 36 participants (24 male, 12 female)
3. A workshop for key stakeholders on Extension Policy Implementation in Niger State with participants from various organizations along the value chain including research institutions, farmers' organizations, processors, policy makers, extension agents, etc.
4. A consultative meeting with Directors from Niger State to finalize the Extension implementation plan for the state.
5. A presentation to the Permanent Secretary and all the Directors of the FMARD of the pilot implementation plan for the National Agricultural Extension Policy.

Mrs. Karima Babangida, Director of Extension at the FMARD, in expressing her thanks stated that "Through these activities, the Department has been able to sensitize the key stakeholders on the policy objectives, shared information with the various public and private organizations intervening in extension system and consulted with a variety of stakeholders on implementation design. This process was inclusive, and will no doubt promote ownership of the policy and its implementation." She expressed that FMARD was confident that it could now carry out an extensive mapping of the various actors and their activities in Niger State with a view to identifying the gaps that require attention and, to finalize the implementation design for Niger State.

During the week of May 20, the climate change research team led by Dr. Laura Schmitt-Olabisi and Dr. Oyinkan Tasié held a collaborative dissemination workshop on climate change in Abuja with the Department of Climate Change, Federal Ministry of Environment. The Workshop was on climate change and climate change resilience in Nigeria pertaining to Agriculture. Participants at the workshop included officials from the Federal Ministry of Agriculture & Rural Development, Federal Ministry of Women Affairs, Federal Ministry of Information and the host Ministry, Federal Ministry of Environment. Members of the Media were also in attendance. The event was chaired by the Permanent Secretary, Federal Ministry of Environment Mrs. Ibukun Odusote.

### **B. State Level Dissemination of Research Findings:**

In two research seminars held in Benue (17 May 2019) and Kebbi states (24 May 2019), the project engaged 119 researchers and policy analysts, including key government officials (69 male, 50 female) on issues related to policies around child nutrition in Nigeria. In the both seminar presentations titled "Urbanization, Child Undernutrition and Public Health in Nigeria", Dr. Mulubhran Amare presented the key research findings from three studies completed by the International Food Policy Research Institute under the Feed the Future Nigeria Agricultural Policy Project between 2016 and 2018.

1. Mulubrhan Amare, Todd Benson, Olusegun Fadare, and Motunrayo Oyeyemi (2018): Study of the determinants of chronic malnutrition in Nigeria, published in Food And Nutrition Bulletin <http://www.ifpri.org/publication/study-determinants-chronic-malnutrition-northern-nigeria-quantitative-evidence-nigeria-0>
2. Mulubrhan Amare, Channing Arndt, Kibrom A. Abay and Todd Benson (2018): Urbanization and Child Nutrition Outcomes, published in The World Bank Economic Review. <http://www.ifpri.org/publication/urbanization-and-child-nutritional-outcomes-0>
3. Kibrom Abay and Mulubrhan Amare (2018): Night Light Intensity and Women's Body Weight: Evidence from Nigeria, published in Economics and Human Biology. <http://www.ifpri.org/publication/night-light-intensity-and-womens-body-weight-evidence-nigeria>

Specifically, the research findings highlighted the following:

1. The burden of chronic malnutrition – in particular, undernutrition – in northern Nigeria is one of the heaviest globally. Close to half of all children under five years of age in the Northeast and Northwest geopolitical zones were estimated to be stunted in their growth for their age in 2013, compared to 22 percent in the rest of Nigeria;
2. Accelerated progress on all the factors that contribute to improved child nutritional status will be needed in northern Nigeria if young children in coming generations there are to realize their physical growth potential to the same degree as young children in other areas of the country;
3. Strong evidence of the need to treat the nutritional challenges of northern Nigeria quite differently than how nutritional challenges are addressed in other areas of Nigeria;
4. Higher light intensity tended to match with lower rates of stunting among children;
5. At higher levels of light and urbanization, stunting figures rise—indicating that as cities grow bigger the benefits of urban life brings for reducing undernutrition may become less accessible;
6. Doubling the average level of night light intensity results in a 10 percent increase in the probability of overweight women;
7. Expanding towns can be more effective in reducing poverty levels than the expansion of mega cities; and
8. Understanding the complex dynamics of urbanization and the resulting nutrition transition highlights the need to tailor efforts to reduce negative health impacts like child stunting and women's overweight in developing countries, while emphasizing context specific solutions.

In quarter 3, a one-week dissemination activity was carried out by the climate change research team to disseminate research findings in Ebonyi state. The dissemination event led by Dr. Laura Schmitt-Olabisi and Dr. Oyinkan Tasie included meetings with dignitaries in the state, a stakeholder consultation in the state capital and various community meetings across the state.

On May 7, 2019. The project team met with the Commissioner for Agriculture and Rural Development for Ebonyi State, and with representatives from the Ministries of Environment, Women Affairs, and Education as well as the Vice Chancellor of Alex Ekwueme Federal University, Ndufu-Alike, Ikwo. The project team also met with the Traditional Rulers Council led by the Chairman, His Royal Highness, Igwe Charles Mkpuma. In addition to discussing project activities that had taken place in the state, the project team learned of current and planned activities of the various ministries. On Wednesday, May 8, the project team held an interactive stakeholder consultation in the agricultural sector in Ebonyi with 116 participants, including 106 representatives from the media, private sector, farmers and community leaders, academics, and representatives from the state ministries. Following

the presentation of research findings, series of discussions were held. Focus group discussions to synthesize the findings and point out the way forward/application of the results were done.

During the focus group discussions, it was apparent that there is currently limited coordination among the various ministries around climate change. In addition, many farmers are not receiving training or resources to implement these strategies, yet they are engaged in several climate change adaptation strategies. It appears that there are opportunities for both the state-level ministries and other farming communities to learn from the farmers already implementing best practices for erosion control and farm-scale resilience. There is apparently a need for two-way communication, because farmers appear to be much more aware of the impacts of climate change than the ministry thinks they are.

Following the two-day general dissemination event, the research team also went to two of its study communities (where data had been collected and analyzed on community level adaptations) to share research findings and engage with the communities on the implications of the studies. Both of these community engagements were in Ebonyi State. At the Akpoha Local Government on May 14 there were 114 participants (Male 74 and Female 39). At the Onueyim Local Government, on May 16 and 17 there were 247 Participants (Male-113, Female- 134).

During the team visit to Ebonyi, Dr. Laura Schmitt-Olabisi and Dr. Oyinkan Tasié, along with Dr. Chukwuma Okereke, Prof. J.N Afiukwa (two local faculty members from Ebonyi State University) were guests on Radio Nigeria Unity FM Abakaliki. The host was Ms. Eudora Ibiam and the topic was: Climate Change and Agriculture in Nigeria, focus on Ebonyi State. The 30-minute interview took place on Friday May 10 at 9:30 a.m. The invitation was sequel to the host's participation at the Climate Change Stakeholders forum held at Clevero Hotel, Abakaliki, Ebonyi State. Radio Nigeria Unity FM Abakaliki is purported to be a cosmopolitan community/rural based broadcast outfit reaching approximately a 90-mile radius from Abakaliki and about 5,000 – 7,000 listeners.

Further, from May 6 – 10, the Project in collaboration with the University of Nigeria held a training workshop on sustainable livestock and dairy production. Relevant Directors responsible for Livestock and Grazing Reserves from Cross River, Delta, Ebonyi, Kebbi and Niger States participated in the workshop. The newly launched National Livestock Transformation Plan (NLTP 2019 – 2028) formed the basis of the workshop as applicable to the respective Project States and areas of integration for non-Project Focus States.

Over the period spanning 11-25 June 2019, Dr. Hiroyuki Takeshima delivered four research seminars to an overall audience of 253 representatives from government and academic circles (198 male, 55 female) in four states of Nigeria. The research seminar entitled “Recent research findings on seed varieties, irrigation, and agricultural mechanization in Nigeria” presented policy-relevant findings from studies carried out under the Project involving researchers from the project, the Agricultural Research Council of Nigeria and the University of Ibadan between 2016 and 2018. Dr. Takeshima presented the following recommendations for any entity interested in staging an intervention aimed at improving seed varieties, irrigation and agricultural mechanization:

1. Nigeria needs to increase public support for the agricultural sector, and agricultural R&D (including plant breeding) as it is one of the most cost-effective ways to raise the agricultural productivity.
2. It is important to recognize that the large irrigation dams can affect significant geographic areas (including neighboring hydrological basins which are as large as average LGAs in Nigeria).

3. For supporting agricultural mechanization, government can play important roles in gathering and mobilizing information / knowledge.

The above research seminars are part of activities aimed at disseminating evidences relevant to policymaking on the Project

### **Support to FMARD policy processes**

The Project has continuously strengthened the good partnership with FMARD since inception. FMARD has a representative on the Policy Project's National Advisory Committee and the Project had regular meetings with FMARD senior management during the quarter to discuss the implementation of project activities, including capacity-building, in order to fill important capacity gaps within the Ministry for the successful implementation of FMARD's Agriculture Promotion Policy (APP). On 6 June 2019, the project held a meeting with the new leadership of Project Coordinating Unit of the Federal Ministry of Agriculture and Rural Development on training and seminar needs. Expected dates for activities will be communicated by PCU in Q4. Please see component 1.1.1 for further details on training courses delivered for FMARD during the quarter.

### **Second Quarter (January-March 2019)**

#### **3.1.1 A. National Level Dissemination**

Under this component, the Nigeria Agricultural Policy Project seeks to systematically bring together various stakeholders and actors in the policy process to share knowledge that can contribute to improved policy processes. An important contribution to the policy process by the Project was a presentation delivered on 1 February 2019, by Dr. Hiroyuki Takeshima, , on irrigation, seed varieties and mechanization issues to 25 high-ranking staff of Nigeria's Federal Ministry of Agriculture and Rural Development (FMARD) at the FMARD conference room in Abuja as part of project's commitment towards disseminating evidence needed for sound policymaking and increasing the ability of Nigeria's government to demand and absorb information relevant to agricultural policy. Present at this seminar, was Dr. Aisha Ndyako-Mohammed of the Projects Coordinating Unit (PCU) at FMARD along with Assistant Directors of the various divisions within FMARD. In the two-hour seminar, Dr Takeshima presented the key findings of three studies carried out between 2016 and 2018 in Nigeria within the framework of the Feed the Future Nigeria Agricultural Policy Project. Specifically, the research findings highlighted the following policy messages:

1. Increasing plant-breeding locations can raise overall agricultural productivity cost-effectively, and is a good way to increase support for agricultural R&D in Nigeria;
2. Large irrigation dams have spillover effects which extending beyond command areas and across hydrological basins, especially benefiting down-stream basins by shielding farmers from the effects of droughts;
3. Tractor-owners in the informal sector exhibit significant efficiency and skills in tractor use, which should be studied and transferred to tractor owners in the formal sector (those receiving government tractors);
4. Used-tractor sellers, again in the informal sector, complement new-tractor sellers in the formal sector by matching geographically scattered supply and demand for tractors.
5. Dr. Takeshima recommended that providing information of typical business characteristics in tractor markets, especially on informal tractor ownership and trade, can reduce learning costs for new-business entrants and facilitate the private-sector growth in tractor markets.

It is notable that following the seminar by Dr. Takeshima, the Honorable Minister of Agriculture and Rural Development Chief Audu Ogbeh requested a meeting with Dr. Takeshima to receive further feedback on the policy lessons emanating from this research work conducted by the Project. Following that request, Dr. Takeshima attended a meeting with the Honorable Minister (organized by the Head of PCU) the same day and had a detailed discussion with the HMA on policy issues emerging from this work with a particular focus on agricultural mechanization issues. This clearly demonstrates the policy outreach of this Project at this very high ministerial level, following academically rigorous and highly policy relevant research work conducted by the Project since its inception.

## **B. State Level Dissemination of Research Findings:**

1. In two research seminars held in Cross River (21 January 2019) and Ebonyi states (23 January 2019), the project engaged 212 researchers and policy analysts, including key government officials (116 male, 96 female) on issues related to policies around child nutrition in Nigeria. In the seminar presentations titled “Urbanization, Child Undernutrition and Public Health in Nigeria” Dr. Mulubhran Amare, presented the key research findings from three studies completed by the International Food Policy Research Institute under the Feed the Future Nigeria Agricultural Policy Project between 2016 and 2018. Specifically, the research findings highlighted the following:
  - a. The burden of chronic malnutrition – in particular, undernutrition – in northern Nigeria is one of the heaviest globally. Close to half of all children under five years of age in the Northeast and Northwest geopolitical zones were estimated to be stunted in their growth for their age in 2013, compared to 22 percent in the rest of Nigeria;
  - b. Accelerated progress on all the factors that contribute to improved child nutritional status will be needed in northern Nigeria if young children in coming generations there are to realize their physical growth potential to the same degree as young children in other areas of the country;
  - c. Strong evidence of the need to treat the nutritional challenges of northern Nigeria quite differently than how nutritional challenges are addressed in other areas of Nigeria;
  - d. Higher light intensity tended to match with lower rates of stunting among children;
  - e. At higher levels of light and urbanization, stunting figures rise—indicating that as cities grow bigger the benefits of urban life brings for reducing undernutrition may become less accessible;
  - f. Doubling the average level of night light intensity results in a 10 percent increase in the probability of overweight women;
  - g. Expanding towns can be more effective in reducing poverty levels than the expansion of mega cities; and
  - h. Understanding the complex dynamics of urbanization and the resulting nutrition transition highlights the need to tailor efforts to reduce negative health impacts like child stunting and women’s overweight in developing countries, while emphasizing context specific solutions.
2. Between 21- 24 January 2019, Dr. Hiroyuki Takeshima, delivered three research seminars titled “Recent research findings on seed varieties, irrigation, and agricultural mechanization in Nigeria” in the states of Niger on 21 January 2019 to 91 participants (79 male, 12 female), Benue on 22 January 2019 to 78 participants (64 male, 14 female) and Kaduna on 24 January 2019 to 62 participants (53 male and 9 female). The audience represented a mixture of academics, researchers, policy analysts, farmer groups and the private sector in each of the 3 states.

The seminars presented the key research findings of three studies carried out between 2016 and 2018 in Nigeria within the framework of the Feed the Future Nigeria Agricultural Policy Project.

1. Takeshima H. & A. Nasir (2017). The role of the locations of public sector varietal development activities on agricultural productivity: Evidence from northern Nigeria. IFPRI NSSP Working Paper 42.
2. Takeshima H., A. Adeoti & O Popoola (2016). The impact on farm household welfare of large irrigation dams and its distributions across hydrological basins: Insights from northern Nigeria. IFPRI NSSP Working Paper 35.
3. Hatzenbuehler P., H. Takeshima, H. Edeh & A. Lawal (2018). Cost and policy determinants of features of tractor markets in Nigeria. IFPRI NSSP Working Paper 55.

### **3.1.2 Support to FMARD policy processes**

Support to FMARD remains a key objective of the Project. The Project has continuously strengthened the good partnership with FMARD since inception. FMARD has a representative on the Policy Project's National Advisory Committee and the Project had regular meetings with FMARD senior management during the quarter to discuss the implementation of project activities, including capacity-building ones, in order to fill important capacity gaps within the Ministry for the successful implementation of FMARD's Agriculture Promotion Policy (APP). Please see component 1.1.1 for further details on training courses delivered for FMARD.

Support to the Joint Sector Review (JSR) process

The JSR is a platform through which FMARD addresses issues related to several policies and frameworks including the Agricultural Promotion Policy (APP), National Agricultural Investment Plan (NAIP), the Comprehensive Africa Agriculture Development Program (CAADP), and the Country Agribusiness Partnerships Framework (CAP-F). During the second quarter, at the ADWG meeting of January 30, 2019, Mr. Baye Sylvester of FMARD during his presentation to the ADWG thanked IFPRI, Dr. George Mavrotas (in his capacity as member of the JSR Steering Committee) and the Project for their very active involvement in 2018 in the JSR process and for the capacity building activities organized by the Project to enhance the skills of FMARD staff of great relevance to the JSR process.

## **First Quarter (October-December, 2018)**

### **3.1.1 A. National Level Dissemination**

Under this component, the Nigeria Agricultural Policy Project seeks to systematically bring together various stakeholders and actors in the policy process to share knowledge that can contribute to improved policy processes. An important contribution to the policy process by the Project was a presentation delivered during the FMARD-organized workshop on 3-7 December 2018 in Abuja on development of survey tools (survey protocol, questionnaire, consent form, publicity material) toward the preparation of the National Food Consumption and Micronutrient Survey (NFCMS) by FMARD. Standard operating procedures (SOPs) were also developed to enable the submission of the survey instrument for ethical clearance. Mr. Hyacinth Edeh, a project Research Analyst, made a presentation on "Improving socio-economic and demographic indicators for the Nigeria Food Consumption and Micronutrient survey planned in 2019. In addition, Dr. George Mavrotas (and a team of project members) was fully involved on behalf of the Project in the review of the zero-draft questionnaire for the planned survey, anchoring the socio-demographic thematic group.

### **B. State Level Dissemination**

1. Research Findings:

Between March and September 2018, the Policy Project's Fishery and Aquaculture Study Team conducted research on the fish subsector of Niger and Kebbi State. In this quarter, results were provided to the follow state level entities;

- a. December 13, 2018. Research findings were presented, by Nigeria collaborators of the project, to the Kebbi State Government at the Kebbi State Government Secretariat, Birnin-Kebbi. The Kebbi State Commissioner for Animal Health, Husbandry and Fisheries chaired the presentation. Also in attendance were the Permanent Secretaries of the Kebbi State Ministry of Agriculture and Natural Resources, and the State Ministry of Animal Health, Husbandry and Fisheries. Representatives from Kebbi Agricultural and Rural Development Authority (KARDA). Non-government personnel included fish farmers, processors, marketers and youth.
- b. December 17, 2018. The collaborative research team (comprised of four students and their professors from two institutions of higher learning in Niger State alongside faculty from Michigan State University) presented its research findings to the Niger State Government. The presentation (made by one of the student members) took place at the Niger State Government Secretariat, Minna. The Permanent Secretary, Niger State Ministry of Agriculture and Rural Development, (standing in for the Honorable Commissioner of the Ministry) presided over the meeting. Others in attendance were Directors of the State Ministry, including the Director of Livestock and Fisheries. Non-government personnel at the presentation included youths (majorly young graduates participating in the Federal Government Program – N Power), fish farmers, processors, and marketers. Furthermore, data from the study has been utilized in the theses of two student members of the research team.

## 2. Articulated Demand

During December 10-17, 2018, project personnel interacted with multiple state ministries in Benue, Ebonyi and Niger States. During these interactions, the state ministries articulated areas of desired policy support relating to agriculture, nutrition, awareness and gender (women and children). This will enable the project scholars to realistically support the policy needs of the Ministries in line with the Project Objectives.

- a. In Benue State, the ministries were the Ministry of Agriculture and Natural Resources, the Ministry of Women Affairs, the Ministry of Health and Ministry of Education, Science & Technology. Further, Mrs. Hephzibah Obekpa (PhD Candidate at University of Agriculture, Makurdi (UAM) and incoming Policy Project Scholar at Michigan State University) and her academic advisor, Professor Godwin Abu were introduced to the ministries. Mrs. Obekpa, Prof. Godwin Abu, Prof. Ali, Mrs. Blessing Agada (PhD candidate at UAM and Project Scholar 2018) and Mr. Philip Hegarty (Masters Candidate and Project Scholar 2018) were acknowledged and identified as UAM primary contact persons to maintain links with the Ministries, for continuity and sustainability in Benue State.
- b. In Ebonyi State, the ministries were the Ministry of Agriculture and Natural Resources, Ministry of Women Affairs, and the Ministry of Health. Mr. Charles Olumba (PhD Candidate at Ebonyi State University (EBSU) and incoming Policy Project Scholar at Michigan State University) and his academic advisor, Professor Alimba were introduced to the ministries. Mr. Olumba, Prof. Alimba, Dr. Okereke, Mr. Okpani and Mr. Mbah were acknowledged and identified as EBSU primary contact persons to maintain links with the Ministries, for continuity and sustainability in Ebonyi State.
- c. In Niger State, the ministries were the Ministry of Agriculture and Rural Development, the Ministry of Education, the Ministry of Women Affairs, and the Ministry of Health. Mrs. Balaraba Sule (PhD Candidate at Federal University of Technology Minna {FUT Minna}, Academic State at Ibrahim Badamosi Babangida University Lapai {IBB University} and

incoming Policy Project Scholar at Michigan State University) and her academic advisor, Dr. Ayodeji Coker of FUT Minna were introduced to the ministries. Mrs. Sule and Dr. Ayodeji Coker were identified and acknowledged as primary contact persons to maintain links with the four Ministries, for continuity and sustainability in Niger State.

### 3. Outreach pamphlets as alternative communication pieces for research output

In the continuing bid to ensure that research output translates to relevant practical output for Nigerians (including but beyond policy makers), project faculty and the climate change research team, based on interactions that they had with poultry producers, developed a new pamphlet. This pamphlet has been translated into Hausa, Igbo and Yoruba with the expectation that it can be further translated into other languages. In Kogi and Niger States, the Ministries of Agriculture are in discussions with Faculty members of their respective state universities on translating the pamphlets to the indigenous languages.

- a. Pamphlet for Better Poultry Management Practices with Changes in Climate. Kazeem Bello, Buba Wahe, Toba Adeyeye, Saweda Onipede Liverpool-Tasie et al. November 2018. This pamphlet is currently available in: Hausa, Igbo and Yoruba.

#### **3.1.2 Support to FMARD policy processes**

Support to FMARD remains a key objective of the Project. The Project has continuously strengthened the good partnership with FMARD since inception. FMARD has a representative on the Policy Project's National Advisory Committee and the Project has regular meetings with FMARD management and senior advisors to the Honorable Minister of Agriculture (HMA), among others. Please see component 1.1.1 for further details on training courses delivered for FMARD.

### **ACTIVITY 3.2 Support for state agricultural policy development (or review) for FTF states**

#### **3.2.1 Support for State Agricultural Policy Development (or review) Delta State and Ebonyi State (FTF states)**

##### **Fourth Quarter (July – September 2019)**

###### **Delta State**

Delta State Agric Policy document is still in progress and the Project continues to work with the State Ministry of Agriculture and Natural Resources in Delta State towards the finalization of the agricultural policy document. Although PIND is working with the Delta State Ministry of Agriculture and Natural Resources on the agricultural policy document, the Ministry strongly requests the involvement of the Project in the remaining processes towards its finalization. Several meetings held with the Partnership Initiatives in the Niger Delta (PIND) in the quarter to understand the status of the document and discussions are ongoing with the State Ministry of Agriculture and Natural Resources to harmonize activities towards finalization of the document. It is pertinent to note that the Project kept communication with the State Ministry of Agriculture and Natural Resources through the office of the Director, Planning, Research and Statistics, Delta State, and subsequently, through the Permanent Secretary of the Ministry.

###### **Ebonyi State**

Over the course of implementation of activities in Year 4, the Project has kept communication with the Ebonyi State Ministry of Agriculture and Natural Resources regarding the development of the State Agricultural Policy document. Despite several efforts earlier in Year 4, the actual take-off of the processes is delayed for reasons beyond the Project's control. Specifically, the delay has been due to



absence of both substantive permanent secretary and commissioner for the State Ministry of Agriculture and Natural Resources. The processes of development of the Ebonyi State Agriculture Policy document started during the quarter with a meeting of the Project with both the Permanent Secretary and the Commissioner for Agriculture of the State on 12 September 2019. The meeting was on setting modalities for the process, including how to identify 5-member state representatives to coordinate the processes with the Project, identification of Agricultural Policy experts to assist the state, and the needed timeline. These except for the identification of expert have been initiated by the state.

### **Third Quarter (April-June, 2019)**

#### **3.2.1 Support for State Agricultural Policy Development (or review) Delta State and Ebonyi State (FTF states)**

During the third quarter, the project visited both Delta and Ebonyi states to make further progress on the development/review of the current agriculture policy documents in the above two states with support from the Feed the Future Nigeria Agricultural Policy Project. On 20 May 2019, the project had a meeting with relevant stakeholders from the Delta State University, think tanks, senior officials of State Ministry of Agriculture and Office of the Governor to further discuss steps for the development of the State Agriculture Policy document. A streamlined ad-hoc committee was set up with actionable deliverables to review the Delta state current draft zero of the agriculture policy document shared by the State Ministry of Agriculture to be finalized in quarter 4 in line with the workplan for Year 4. In the case of Ebonyi state, on 27 June 2019, the Project had engagement with the newly appointed Permanent Secretary of the Ebonyi State Ministry of Agriculture and Natural Resources on the state agriculture policy document development. Several previously planned meetings could not hold due to non-availability of substantive Commissioner and/or Permanent Secretary for the State Ministry. The Permanent Secretary was only appointed in June 2019 and Commissioner yet to be appointed.

#### **3.2.2 Support for Kebbi State Policy Development, Completion, and Implementation**

The project team continued engagements with the Kebbi State Ministries of Agriculture & Natural Resources and the Animal Health, Fisheries and Husbandry. On April 23, a Ministry wide validation meeting hosted by the Permanent Secretary of the State Ministry of Agriculture and Natural Resources was held. Further input was received and incorporated; and a reviewed draft is ready for submission. During this quarter, the project continued with the coordination of the discussions on developing a state government programme to be driven by the private sector for entrepreneurs and young people in the state. The proposed programme will provide practical training of the state selected beneficiaries along the entire value chain, and thereafter establish them in clusters supported by the State government in any of the four agricultural development zones. Progress in finalizing the proposed programme has been delayed due to the electioneering campaigns and the delay in the constitution of a State Executive Council.

### **Second Quarter (January-March, 2019)**

#### **3.2.1 Support for State Agricultural Policy Development (or review) Ebonyi State and Delta State (FTF states)**

During the second quarter, the project had further consultations with relevant stakeholders and senior officials of State Ministry of Agriculture in both Delta and Ebonyi states to make further progress on the development/review of the current agriculture policy documents in the above two states with support from the Feed the Future Nigeria Agricultural Policy Project. In the case of Delta state a current draft 0 of the agriculture policy document was shared by the State Ministry of Agriculture so

with support by the Project is further developed and finalized in quarters 3 and 4 in line with the workplan for Year 4. In the case of Ebonyi state, the Project has already requested the most recent version of the policy document to be shared with the Project for further development and review. Visits by the Project to the two states are planned in Q3 to make further progress on this front.

### **3.2.2 Support for Kebbi State Policy Development Completion and Implementation**

The project team continued engagements with the Kebbi State Ministries of Agriculture & Natural Resources and the Animal Health, Fisheries and Husbandry. Collaborators from the Kebbi State University of Science & Technology Aliero succeeded in securing a date to hold a Ministry wide interaction on the reviewed Policy to secure input and validation. The proposed scheduled date is April 23, 2019. The delay in holding this meeting in the first and second quarter was due to the involvement of the Commissioners in the political process which ended on March 3, 2019. During this quarter, the project continued with the coordination of the discussions on developing a state government programme to be driven by the private sector for entrepreneurs and young people in the state. The proposed programme will provide practical training of the state selected beneficiaries along the entire value chain, and thereafter establish them in clusters supported by the State government in any of the four agricultural development zones.

### **First Quarter (October – December, 2018)**

#### **3.2.1 Support for State Agricultural Policy Development (or review) Ebonyi State and Delta State (FTF states)**

During the first quarter, the Project commenced discussions with senior Ministry of Agriculture officials in both Delta and Ebonyi states towards the development/review of the state's respective agricultural policies. Follow up meetings are planned in both states in the second quarter with key stakeholders towards the identification of the key priorities to be included in the respective policies developed/reviewed with support from the Project.

#### **3.2.2 Support for Kebbi State Policy Development Completion and Implementation**

The project continued engagements on the policy with the government of Kebbi State, particularly the Ministries of Agriculture & Natural Resources and Animal Health, Husbandry and Fisheries. In the area of Fisheries and Aquaculture, the project is coordinating discussions on developing a state government programme to be driven by the private sector for entrepreneurs and young people in the state to receive practical training along the entire value chain, and thereafter established in clusters supported by the State government in any of the four agricultural development zones. As regards the Policy Proper, the validation process has been stalled with the ongoing political process in the country. The Commissioner for Agriculture & Natural Resources is serving on campaign committees at the behest of the Executive Governor and thus has yet to schedule a meeting for this activity to be concluded. Once concluded, follow on activities such as technical support for the implementation, and offsite collaborative monitoring and evaluation commences. Irrespective of the delay, the Activity is working with the Private Sector on enhancing income generating opportunities inherent in the agricultural subsector of fisheries and aquaculture in the state.

#### **3.2.2 Support for Kebbi State Policy Development, Completion, and Implementation**

### **Fourth and Third Quarter (April – September, 2019)**

The project team continued engagements with the Kebbi State Ministries of Agriculture & Natural Resources and the Animal Health, Fisheries and Husbandry. On April 23, a Ministry wide validation meeting hosted by the Permanent Secretary of the State Ministry of Agriculture and Natural Resources

was held. Further input was received and incorporated; and a reviewed draft is ready for submission. During this quarter, the project continued with the coordination of the discussions on developing a state government programme to be driven by the private sector for entrepreneurs and young people in the state. The proposed programme will provide practical training of the state selected beneficiaries along the entire value chain, and thereafter establish them in clusters supported by the State government in any of the four agricultural development zones. Progress in finalizing the proposed programme has been delayed due to the electioneering campaigns and the delay in the constitution of a State Executive Council.

### **Second Quarter (January-March, 2019)**

The project team continued engagements with the Kebbi State Ministries of Agriculture & Natural Resources and the Animal Health, Fisheries and Husbandry. Collaborators from the Kebbi State University of Science & Technology Aliero succeeded in securing a date to hold a Ministry wide interaction on the reviewed Policy to secure input and validation. The proposed scheduled date is April 23, 2019. The delay in holding this meeting in the first and second quarter was due to the involvement of the Commissioners in the political process which ended on March 3, 2019. During this quarter, the project continued with the coordination of the discussions on developing a state government programme to be driven by the private sector for entrepreneurs and young people in the state. The proposed programme will provide practical training of the state selected beneficiaries along the entire value chain, and thereafter establish them in clusters supported by the State government in any of the four agricultural development zones.

### **First Quarter (October – December 2018)**

The project continued engagements on the policy with the government of Kebbi State, particularly the Ministries of Agriculture & Natural Resources and Animal Health, Husbandry and Fisheries. In the area of Fisheries and Aquaculture, the project is coordinating discussions on developing a state government programme to be driven by the private sector for entrepreneurs and young people in the state to receive practical training along the entire value chain, and thereafter established in clusters supported by the State government in any of the four agricultural development zones. As regards the Policy Proper, the validation process has been stalled with the ongoing political process in the country. The Commissioner for Agriculture & Natural Resources is serving on campaign committees at the behest of the Executive Governor and thus has yet to schedule a meeting for this activity to be concluded. Once concluded, follow on activities such as technical support for the implementation, and offsite collaborative monitoring and evaluation commences. Irrespective of the delay, the Activity is working with the Private Sector on enhancing income generating opportunities inherent in the agricultural subsector of fisheries and aquaculture in the state.

## **INTEGRATION OF CROSSCUTTING ISSUES AND USAID FORWARD PRIORITIES**

### **Fourth Quarter (July-September, 2019)**

#### **Gender Equality and Female Empowerment**

During this quarter, gender consideration in project activities continued to received attention particularly in the selection of project beneficiaries. This is reflected in capacity building initiatives undertaken by the Project. Capacity building activities in the fourth quarter. Where possible, the Project makes a deliberate attempt to ensure that there is as equal participation of both males and females (as possible) ensuring that both gender groups are represented and appropriately benefit from capacity building activities.

When recruiting individuals to be trained or to participate in relevant activities, the Project strives to achieve gender balance in participants. Where recruitment is done by our partners, we inform them of our strong interest in gender balance. With regards to training courses, courses organized by the Nigeria Agricultural Policy Project are demand driven by the Project's partners. Consequently, participants for organized trainings are selected by Project partners requesting the training course with the Project encouraging emphasis on young researchers and gender balance wherever possible. In this fourth quarter, 31 percent of the total participants trained by the project were female while 69 percent were male. The project will continue to ensure increase in female participation in the project activities to ensure gender balance.

In support of gender-related issues in Nigeria, the project continued to support the gender unit of the Federal Ministry of Agriculture and Rural Development. This is evident in the provision of technical assistance towards the development of a national gender policy in agriculture document; which follows the request from the Ministry in this regard.

### **Third Quarter (April-June, 2019)**

#### Gender Equality and Female Empowerment

Gender is a critical issue, and this is reflected in capacity building initiatives undertaken by the Project. Capacity building activities in the third quarter continue to consider gender as an important element in the selection of beneficiaries for Project activities. Where possible, the Project makes a deliberate attempt to ensure that there is as equal participation of both males and females (as possible) ensuring that both gender groups are represented and appropriately benefit from capacity building activities.

When recruiting individuals to be trained or to participate in relevant activities, the Project strives to achieve gender balance in participants. Where recruitment is done by our partners, we inform them of our strong interest in gender balance. With regards to training courses, courses organized by the Nigeria Agricultural Policy Project are demand driven by the Project's partners. Consequently, participants for organized trainings are selected by Project partners requesting the training course with the Project encouraging emphasis on young researchers and gender balance wherever possible. In this third quarter, 27 percent of the total participants trained by the project were female while 73 percent were male. The project will continue to ensure increase in female participation in the project activities to ensure gender balance.

### **Second Quarter (January-March 2019)**

#### Gender Equality and Female Empowerment

Gender is a critical issue, and this is reflected in capacity building initiatives undertaken by the Project. Capacity building activities in the second quarter continue to consider gender as an important element in the selection of beneficiaries for Project activities. Where possible, the Project makes a deliberate attempt to ensure that there is as equal participation of both males and females (as possible) ensuring that both gender groups are represented and appropriately benefit from capacity building activities.

When recruiting individuals to be trained or to participate in relevant activities, the Project strives to achieve gender balance in participants. Where recruitment is done by our partners, we inform them of our strong interest in gender balance. With regards to training courses, courses organized by the Nigeria Agricultural Policy Project are demand driven by the Project's partners. Consequently, participants for organized trainings are selected by Project partners requesting the training course with the Project encouraging emphasis on young researchers and gender balance wherever possible. In this second quarter, 43 percent of the total participants trained by the project are female while 57 percent

are male. The project will continue to ensure increase in female participation in the project activities to ensure gender balance.

### **First Quarter (October-December 2018)**

#### **Gender Equality and Female Empowerment**

Gender is a critical issue, and this is reflected in capacity building initiatives undertaken by the Project. Capacity building activities in Year 4 continue to consider gender as an important element in the selection of beneficiaries for Project activities. Where possible, the Project makes a deliberate attempt to ensure that there is an equal participation of both males and females (as possible) ensuring that both gender groups are represented and appropriately benefit from capacity building activities.

The project scholars program and collaborative research teams pay particular attention to gender balance. For example, the aquaculture research team was composed of two male students and 3 female students while the scholar program till date has comprised of 55% females and 45% males. In the recent dissemination activities organized by the aquaculture research team in Kebbi and Niger, the presentations were made by male and female team members respectively.

Where possible climate change and environmental considerations are brought to bear in the project's activities. For example, as part of the dissemination activities of the poultry value chain research team, work on the effect of climate change on the subsector was considered and a pamphlet of guiding practices for poultry farms to deal with climate change was produced. The pamphlet has been translated into 3 main Nigerian Languages. Copies of these pamphlets were distributed to ministries of agriculture, health and women affairs in Kebbi, Niger and Ebonyi States with plans to expand dissemination over the rest of the project.

## **M&E PLAN UPDATE**

### **Fourth Quarter (July-September 2019)**

From 26 -29 August 2019, the Economic Growth (EG) team lead of the USAID mission conducted a monitoring field visit to Benue state which is one of the seven FTF focus states the Nigeria Agricultural Policy Project is implementing its activities. The main objective of the monitoring visit was to assess the level of implementation of the Agricultural Policy Activity in Benue state which began its implementation in the Year 2016. The five major categories of project beneficiaries consist of the Government, Media, Private sector, Academia, and Association/CSO who are working within the USAID value chains of maize, rice, aquaculture, soybean and cowpea. The major activity implemented so far is on the capacity building component of the project which cuts across the five major categories of the beneficiaries, particularly on the statistical program STATA and R-Studio training for the government and academia, Issues in Agriculture training for government and academia, Policy Communication training for media personnel and farmer association and the Group Dynamics training for farmer association. The USAID team lead also used the opportunity to introduce the project to another USAID funded activity, the Nigeria AgriBusiness Investment Activity for possible areas of collaborations.

### **Third Quarter (April-June 2019)**

During the third quarter, the project Monitoring and Evaluation unit developed an Organizational Performance Index measurement tool (OPI) to measure one of the recently included standard indicators titled EG.3.2-29 Number of organizations with increased performance improvement with USG assistance. This indicator measures whether USG-funded capacity development efforts have led

to improved organizational performance in organizations receiving organizational performance improvement support. The project is employing a performance improvement and measurement tool endorsed by USAID which is the OPI, which can be used for assessing performance across multiple domains. The OPI is an approach that helps set up baselines and measure change in organizational performance over time. It consists of a tool – the OPI – and a process that shapes data collection, analysis and usage. The OPI goes beyond measuring the short-term gains from capacity development such as “new systems in place”, “dedicated human resources personnel hired”, or “governing board set up.” Rather, the process assists the project and partners to understand the extent to which these outputs of capacity development support positive changes in the way organizations deliver services, relate to their stakeholders and react to changes in the external environment.

The Project also continued to share capacity building activities conducted in focus FTF states in the third quarter with USAID in a dedicated online folder.

### **Second Quarter (January-March 2019)**

The Project Monitoring, Evaluation and Learning Plan (MELP) was revised to update indicators based on Year 4 Work Plan and performance monitoring result frame work and submitted to USAID on January 31, 2019. A few changes were made to indicators including introduction of new indicators and removal of other indicators that the Project was reporting on in Year 3. The Project also continued to sharing capacity building activities conducted in focus FTF states in the second quarter with USAID in a dedicated online folder.

### **First Quarter (October-December 2018)**

The annual work plan for Year 4 was submitted to USAID on 31 August 2018 and approved on October 19, 2018. A further revised version was shared with USAID on December 5, 2018. A number of changes were made to indicators including introduction of new indicators and removal of other indicators that the Project was reporting on in Year 3. Please see Table 2 in Annex A for approved indicators in Year 4. In addition to changes made in the indicators, the Project is also in Year 4 sharing capacity building plans and participant beneficiary lists with USAID in a dedicated online folder. At

## **MANAGEMENT AND ADMINISTRATIVE ISSUES**

### **Fourth Quarter (July-September 2019)**

#### **Staff Developments**

At the end of fourth quarter:

- The staff at the IFPRI Office in Abuja includes: 1 Research Fellow (Chief of Party), 1 Research Fellow, an Associate Research Fellow, a Country Program Manager, 3 Research Analysts, a Senior Program Assistant, a Program Assistant, a Communications Specialist, a Communications Assistant, an M&E Specialist, and 2 drivers.
- The staff at MSU associated with this project includes: 1 Associate Professor (Principal Investigator), 1 Distinguished Professor, 1 Associate Professor, 2 Assistant Professors, 1 Specialist, 2 Graduate Research Assistants, an Accountant, and a Travel Coordinator.

### **Third Quarter (April-June 2019)**

#### **Staff Developments**

At the end of third quarter:

- The staff at the IFPRI Office in Abuja includes: 1 Research Fellow, an Associate Research Fellow, a Country Program Manager, 3 Research Analysts, a Senior Program Assistant, a Program Assistant, a Communications Specialist, a Communications Assistant, an M&E Specialist, and 2 drivers.
- The staff at MSU associated with this project includes: 1 Associate Professor (Principal Investigator), 1 Distinguished Professor, 1 Associate Professor, 2 Assistant Professors, 1 Specialist, 1 Graduate Research Assistant, an Accountant, and a Travel Coordinator.

## **Second Quarter (January-March 2019)**

### **Staff Developments**

At the end of second quarter:

- The staff at the IFPRI Office in Abuja includes: 2 Research Fellows, an Associate Research Fellow, a Country Program Manager, 3 Research Analysts, a Senior Program Assistant, a Program Assistant, a Communications Specialist, a Communications Assistant, an M&E Specialist, and 2 drivers.
- The staff at MSU associated with this project includes: 1 Associate Professor (Principal Investigator), 1 Distinguished Professor, 1 Associate Professor, 2 Assistant Professors, 1 Specialist, 1 Graduate Research Assistant, an Accountant, and a Travel Coordinator.

## **First Quarter (October-December, 2018)**

### **Staff Developments**

At the end of first quarter:

- The staff at the IFPRI Office in Abuja includes: 2 Research Fellows, an Associate Research Fellow, a Country Program Manager, 3 Research Analysts, a Senior Program Assistant, a Program Assistant, a Communications Specialist, a Communications Assistant, an M&E Specialist, and 2 drivers.
- The staff at MSU associated with this project includes: 1 Associate Professor (Principal Investigator), 1 Distinguished Professor, 1 Associate Professor, 2 Assistant Professors, 1 Specialist, 1 Graduate Research Assistant, an Accountant, and a Travel Coordinator.

## **LESSONS LEARNED**

### **Fourth Quarter (July-September 2019)**

A number of lessons have been learned over the course of implementation of Project activities in Year 4. Some lessons were learned from implementation of capacity building activities during the fourth quarter. For instance, the feedbacks from M&E and Impact evaluation trainings underscore the importance of skills in both courses to policy processes in Nigeria. The project identified significant interest among Nigerian researchers in both monitoring and impact project evaluation during the several of such trainings.

During the trainings to FMARD senior officials, it was learnt that though the ministry implements the agricultural policies in the country, many of staff members of the ministry do not have access to most policy documents particularly the APP and ERGP documents. The ownership of such documents is through personal interest and not on any government conscious effort.

It was also learnt during the USAID project monitoring visit to Benue State that some beneficiaries at the University of Agriculture, Makurdi are interested in the use of STATA for statistical analysis and have obtained the software, though older versions. Similarly, policy researchers at the Ebonyi State University are keen at improving their skills in statistical analysis using STATA and have purchased the software to meet the Project's training requirement for the course.

Another lesson learnt in the involvement of beneficiaries for stepping down of short duration training received is that it requires Project's backstopping for sometimes (at least three times). This is based on the trainers' experiences in the implementation of this approach.

The challenges associated with engaging the media personnel particularly the National Assembly Press Corps form part of lessons learnt. Though the journalists and news correspondents appreciate the trainings when they attend, there is a strong inclination toward stipend to attend by the media personnel. Since the Project does not permit this, there is a lackluster attitude toward invitations to trainings.

### **Third Quarter (April-June 2019)**

A few lessons were learnt during the USAID project monitoring visit to Delta state. One of such lessons was that the STATA training delivered by the project to researchers in Delta State University Asaba was unsustainable since beneficiaries were unable to renew their trial version license after its expiration. R Project (for statistical analysis) on the other hand, is open source which is free to users but requires some background knowledge of programming. In response to limitation on the use of STATA, USAID recommended that beneficiaries be given overviews of STATA and the R Project to determine the best fit for them. Nonetheless, training on STATA will now be on demand and only for participants with STATA license.

It was also learnt that in stepping down the training on STATA, it is important to consider that statistical analytical tools such as STATA and their application in statistical analysis require technical skills and expertise which are acquired over time through constant usage. This is based on the trainer's experience in piloting this approach. Some institutions have shown interest in purchasing the STATA license.

### **Second Quarter (January-March 2019)**

A number of lessons were learnt during a capacity building activity for assistant directors at the Federal Ministry of Agriculture and Rural Development in Abuja on Nigeria's national and regional agricultural policy framework, it was learnt that the ministry was implementing some policy plans such as the Economic Recovery Growth Plan (ERGP) which were not made available to other stakeholders within the ministry as a result making its implementation slow. Also, it was learnt that there is no much synergy among the different agencies within the ministry, and the participants appreciated the opportunity to have been trained collectively alongside the different departments and agencies within the ministry, such a set up allows for synergy and effective collaboration among various departments and agencies in the Federal Ministry of Agriculture and Rural Development.

Due to the perceived benefits of the Policy Project Scholars program approach, the Policy project principal investigator has been invited to several national and international fora to share this experience. In April, the keynote address at the International food security symposium at University of Illinois, Urbana Champaign will feature the Policy Project's scholars program and how it



contributes to addressing food security through research, one scholar at a time. Two other invitations to share similar experiences are scheduled for May and September 2019.

From the feedback on the project's capacity building initiative on "Issues in Agriculture and Development" for policy analysts from the Ministry of Agriculture and Natural Resources as well as researchers in Cross River and neighboring states, it was learnt the training would enhance the synergy between the state policy analyst and researchers to ensure sound policymaking for the state's agricultural sector. According to Mr. Marcel U. Agim, the State Project Coordinator for the World Bank Assisted APPEALS Project in Cross River State had this to say: "This training workshop really came at the right time. As a Project Coordinator of a World Bank Assisted Project, every bit of the training (i.e. Land Governance and Tenure Security, Climate Change and Variability, Food and Nutrition Security, Agricultural Project Impact Evaluation) was very key and necessary in aiding me carry out my duties....". He went further to say, "I wish to solicit that this type of workshop trainings should be regular as we fight for a zero-hunger world."

### **First Quarter (October-December 2018)**

A number of lessons were learnt during a field visit organized on October 2-5 in Kaduna state. From the Policy Communications training delivered by the Project, it was learnt that media beneficiaries are now better able to write policy reports. This was supported by NAERLS members who collaborated that the information that they forwarded to the journalists were now better written compared to before they received the training. NAERLS participants also appreciated the opportunity to have been trained collectively alongside the media as such a set up allows for synergy and effective collaboration among various stakeholders in the agricultural sector. It was also disclosed during the meeting that while journalists and news correspondents are located in the FTF focus states, the Editors are usually located in Lagos State and they direct what the journalists and news correspondents do.

From the State Ministry of Agriculture and Forestry, it was learnt that the Project's capacity building initiative on data analysis and subsequent drafting of a policy brief on soybean was particularly useful in the states policy process. The brief was presented to the State Executive Council which consists of the Governor and Commissioners and is the highest decision-making body in the state.

Participants from farmer groups were thankful for the opportunity to be trained in Policy Communications. They reported that due to the training received from the project, they have been able to monitor the supply and distribution of agricultural inputs in their locality through the use of SMS and phone. Female farmers participating in the trainings indicated that their groups were better organized following the training and had a better understanding of agricultural policies and who to hold accountable.

The Policy project scholars program has learned that initial interaction with the faculty and institutional leadership of the institutions from which the scholars come from is an important factor. It helps to ensure that the scholars receive the support they need to implement new ideas and apply new skills acquired while a project scholar, on their return to their institutions. This is also another value of having the Nigerian professors come to MSU during the program. While the project expects the advisors' visit to MSU to benefit the advisors, and the agricultural policy process in Nigeria through their improved exposure, networking and research collaboration, we have also learned that they are important champions for the scholars and their ideas when they return to their institutions

Upon returning home, a scholar was supported by his advisor to conduct training for his peer at his institution and to conduct fieldwork to support project activities. A second scholar came with some research ideas that are standard but not accepted in his department. His advisor, having seen how things were done at MSU was able to make a case for the student to introduce his ideas and approaches that were not widely known in his environment. This has been a worthwhile learning experience which the project has incorporated into the design of the activities for the final set of scholars arriving at MSU in January 2019. For example, for the three incoming scholars in January, visits were paid to the vice chancellors of their institutions as well as to the ministries of agriculture (health, education and women affairs in some cases) to introduce the scholars and enquire about potential research issues the scholars could explore that would be useful to the relevant ministries.

## **WHAT DOES USAID NOT KNOW THAT IT NEEDS TO?**

### **Fourth Quarter (July-September 2019)**

The Feed the Future Nigeria Agricultural Policy Project continued to make excellent progress in Year 4 of Project implementation.

In mid-September 2019, Dr. Kwaw Andam, started serving as the Program Leader for IFPRI-NSSP and Chief of Party for the Project. Dr. Bedru Balana, who had served as the Acting Program Leader and Acting Chief of Party from April to September 2019, continues in his role as Research Fellow, working on various aspects of the Project.

In July 2019, five of the seven state coordinators recruited to support the project activities in the seven FtF focus states were disengaged owing to poor performance. The contract with the remaining two state coordinators (Kebbi and Ebonyi) ended in September 2019 since the contract was due at the end of Year 4 of the Project. The Project plans to renew and/or recruit state coordinators to continue to support the Project activities through Year 5.

### **Third Quarter (April-June 2019)**

Dr. George Mavrotas ended his service as Chief of Party at the IFPRI Abuja Office in May 2019 and Dr. Bedru Balana, became the acting program leader for the project.

Mr. Hyacinth Edeh, was recruited as the new Country Program Manager at the IFPRI Abuja Office to replace Mr. John Mazunda.

### **Second Quarter (January-March 2019)**

Mr. John Mazunda, Country Program Manager at the IFPRI Abuja Office for 3 years (2016-2018) resigned from IFPRI with effect from January 1, 2019, in order to take up a new appointment at the World Food Program in Rome.

Dr. Bedru Balana, Research Fellow at the IFPRI Abuja Office took up his appointment in February 2019.

Seven state-level collaborators were recruited to support the project activities in the seven FtF focus states (see below for details):

1. Professor Godwin Anjeinu Abu, Benue State , Department of Agricultural Economics, University of Agriculture, Makurdi | Tel: +2348036084434 | E-mail: goddy\_master@yahoo.co.uk
2. Prof. Ndem Ayara Ndiyo, Cross River State. Tel: +2348037137491 | E-mail: ndemayara@yahoo.com.
3. Professor Ike Pius Chinwuba, Delta State. No. 3 Bishop Odu Road, Off Okpanam Road, Asaba, Delta State | Tel: +2348035061273 | E-mail: ikepeecee@yahoo.com
4. Dr. Okereke Chukwuma Odi, Ebonyi State. Department of Agricultural Economics, Management and Extension, Ebonyi State University, Ebonyi State, Nigeria | +234-7066171794; +234-7060499736 | E-mail: chukwumaokereke5@gmail.com;ok\_choox08@yahoo.co.uk
5. Dr. Saleh Aliyu Makama, Kaduna State. Department of Agricultural Economics and Extension, NAERLS/ABU, PMB 1067, Zaria Nigeria | Tel: +2348060749414 | E-mail: ibnmakamasaleh@yahoo.com
6. Dr. Gona Ayuba, Kebbi State. Department of Agricultural Economics and Extension, Faculty of Agriculture, Kebbi State University of Science and Technology, Aliero | Tel: +2348137206544 | E-mail: ayubagona@gmail.com
7. Professor Job Nda Nmadu, Niger State. Department of Agricultural Economics and Farm Management, Federal University of Technology, Gidan Kwano Campus 920102, PMB 65, Minna Nigeria | Tel: +2348035861170 | E-mail: [job.nmadu@gmail.com](mailto:job.nmadu@gmail.com)

#### **First Quarter (October – December 2018)**

Visiting Professors have informed us that they were treated rudely at the USA Embassy when they obtained their visas. Further, they specified that once they got past the first line of staff (who were rude), they received professional, respectful service. Of course, this does not reflect well on the project and even more so on USAID Nigeria and the overall operation of the American Embassy.

## ANNEX A. NUMBER OF RESEARCH REPORTS PUBLISHED (INDICATOR 1)

Paper description
<b>Fourth Quarter</b>
1) Reardon, T., T. Awokuse, S. Haggblade, T. Kapuya, S. Liverpool-Tasie, F. Meyer, B. Minten, D. Nyange, J. Rusike, D. Tschirley, R. Vos. 2019. "Private Sector's Role in Agricultural Transformation in Africa: Overview," Chapter 1 in AGRA. (2019). <i>Africa Agriculture Status Report: The Hidden Middle: A Quiet Revolution in the Private Sector Driving Agricultural Transformation (Issue 7)</i> . Nairobi, Kenya: Alliance for a Green Revolution in Africa (AGRA). <a href="https://agra.org/wp-content/uploads/2019/09/AASR2019-The-Hidden-Middleweb.pdf">https://agra.org/wp-content/uploads/2019/09/AASR2019-The-Hidden-Middleweb.pdf</a>
2) Reardon, T., T. Awokuse, S. Haggblade, T. Kapuya, S. Liverpool-Tasie, F. Meyer, B. Minten, D. Nyange, J. Rusike, D. Tschirley, R. Vos. 2019. "The Quiet Revolution in Agri-food Distribution (Wholesale, Logistics, Retail) in Sub-Saharan Africa," Chapter 2 in AGRA. (2019). <i>Ibid.</i>
3) Reardon, T., T. Awokuse, S. Haggblade, T. Kapuya, S. Liverpool-Tasie, F. Meyer, B. Minten, D. Nyange, J. Rusike, D. Tschirley, R. Vos. 2019. "The Quiet Revolution and Emerging Modern Revolution in Agri-food Processing in Sub-Saharan Africa," Chapter 3 in AGRA. (2019). <i>Ibid.</i>
4) Liverpool-Tasie, LSO, I. Okuku, R. Harawa, T. Reardon, S. Wallace. 2019. "Africa's Changing Fertilizer Sector and the Role of the Private Sector," Chapter 9 in AGRA. (2019). <i>Ibid.</i>
<b>Third Quarter</b>
1) Liverpool-Tasie L.S.O, Saha Turna N, Ademola O, Obadina A, Wu F (2019). The occurrence and co-occurrence of aflatoxin and fumonisin along the maize value chain in southwest Nigeria. Food and Chemical Toxicology, DOI: 10.1016/j.fct.2019.05.008
2) Onyinye Prince Choko , Laura Schmitt Olabisi , Robert Ugochukwu Onyeneke, Stella Nwawulu Chiemela,, Lenis Saweda O. Liverpool-Tasie, and Louie Rivers (2019). A Resilience Approach to Community-Scale Climate Adaptation. Sustainability. 1(11), 3100; <a href="https://doi.org/10.3390/su11113100">https://doi.org/10.3390/su11113100</a>
<b>Second Quarter</b>
1) Takeshima, Hiroyuki. 2019. Geography of plant breeding systems, agroclimatic similarity, and agricultural productivity: Evidence from Nigeria. <i>Agricultural Economics</i> 50(1): 67-78. <a href="https://doi.org/10.1111/agec.12466">https://doi.org/10.1111/agec.12466</a>
<b>First Quarter</b>
1) Mavrotas, George; Mogue, Tewodaj; Oyeyemi, Motunrayo; Smart, Jenny; and Xiong, Zhe. 2018. Agricultural public expenditures, sector performance, and welfare in Nigeria: A state-level analysis. NSSP Working Paper 60. Washington, DC: International Food Policy Research Institute (IFPRI). <a href="http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/133006">http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/133006</a>
2) Resnick, Danielle; Sivasubramanian, Bhavna; Idiong, Idiong Christopher; Ojo, Michael Akindele; and Tanko, Likita. 2018. The enabling environment for informal food traders in Nigeria's secondary cities. NSSP Working Paper 59. Washington, DC: International Food Policy Research Institute (IFPRI). <a href="http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132896">http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132896</a>
3) Amare, Mulubrhan; Arndt, Channing; Abay, Kibrom A.; and Benson, Todd. Urbanization and child nutritional outcomes. World Bank Economic Review. First published online on October 10, 2018. <a href="https://doi.org/10.1093/wber/lhy015">https://doi.org/10.1093/wber/lhy015</a>

#### Paper description

- 4) Amare, Mulubrhan; Benson, Todd; Fadare, Olusegun; and Oyeyemi, Motunrayo. Study of the determinants of chronic malnutrition in northern Nigeria: Quantitative evidence from the Nigeria demographic and health surveys. Food and Nutrition Bulletin. <https://doi.org/10.1177/0379572118768568>

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- 5) Takeshima, Hiroyuki. 2018. Distributional effects of agricultural infrastructure in developing countries: Large irrigation dams and drought mitigation in Nigeria. Journal of Developing Areas 52(3):1-13. <https://doi.org/10.1353/jda.2018.0032>

**ANNEX B: NUMBER OF PARTICIPANTS ATTENDING PROJECT ORGANIZED RESEARCH AND POLICY EVENTS (INDICATOR 2)**

<b>Event</b>	<b>Location</b>	<b>Participants</b>
<b>Fourth Quarter</b>		
1) Addressing the Challenges of Aflatoxin along the Maize Value Chain in Nigeria	NAFDAC, Abuja, Tuesday July 17, 2019	Government sector and Private sector 34 Participants (Male-17, Female-17)
2) Role of land access in youth migration and youth employment decision: Empirical evidence from rural Nigeria.	Abuja. 30 July 2019	Government sector 17 Participants (Male-10, Female- 7)
3) Role of land access in youth migration and youth employment decision: Empirical evidence from rural Nigeria.	Minna- Niger State. 7 August 2019	Government sector, Private sector, Producer groups, Civil society (e.g. NGOs, CBOs, CSOs) 60 Participants (Male-51, Female- 9)
4) Role of land access in youth migration and youth employment decision: empirical evidence from rural Nigeria.	Abakaliki- Ebonyi State. 31 August 2019	Government sector, Private sector, Producer groups, Civil society (e.g. NGOs, CBOs, CSOs) 48 Participants (Male-39, Female- 9)
5) Food system transformation, dietary change and role of agriculture policy in Nigeria	Abuja. 19 September 2019	Government sector, Private sector 36 Participants (Male – 13, Female – 23)
6) Extension Policy Implementation in Nigeria	Calabar – Cross River State. 18 September, 2019	Government sector, Private sector, Producer group, Civil society (e.g. NGOs, CBOs, CSOs) 56 Participants (Male – 43, Female – 13)
7) Urbanization, child nutritional outcomes and public health in Nigeria	Minna – Niger State. 27 September 2019	Government sector, Producer groups, Civil society (e.g. NGOs, CBOs, CSOs) 38 Participants (Male – 16, Female – 22)
<b>Third Quarter</b>		
1) Kebbi State Policy Validation and Planning Meeting.	Shagalinku Hotel, Birnin Kebbi. 23 April 2019.	Research and academic organizations (including think-tanks), Private sector, Producer groups, Civil society (e.g. NGOs, CBOs, CSOs)

Event	Location	Participants
		31 Participants (Male-29, Female- 2)
2) Dissemination Workshop and Stakeholder Interaction on Climate Change.	Clevero Hotel, Onwe Road, Abakaliki 8 May 2019	Government sector, Private sector, Producer groups, Civil society (e.g. NGOs, CBOs, CSOs) 107 Participants (Male-76, Female- 40)
3) Extension Policy Implementation in Nigeria	Federal Department of Agricultural Extension Abuja 14 May, 2019	Government. 33 Participants (Male-19, Female- 14)
4) Ebonyi State Community Engagement	Akpoha Local Government Date: 14 May 2019	Government 114 Participants (Male-74, Female- 39)
5) Extension Policy Implementation in Nigeria	Niger State Ministry of Agriculture and Natural Resources 15 May, 2019	Government. 36 Participants (Male-24, Female- 12)
6) Urbanization, child nutritional outcomes and public health in Nigeria	Halldays Hotel, Makurdi Benue State 17 May, 2019	Research/ Academic 84 Participants (Male- 39, Female-45)
7) Dissemination/Interactive Activity on Climate Change Research in Nigeria	Conference Room, Federal Ministry of Environment, Mabushi, FCT, Abuja, May 20, 2019	Government 24 Participants (Male- 13, Female-11)
8) Ebonyi State Community Engagement	Onueyim Local Government Date: May 16 and 17	Producer Groups 247 Participants (Male-113, Female- 134)
9) Urbanization, child nutritional outcomes and public health in Nigeria	Ministry of Agriculture and Natural Resources Kebbi State 24 May, 2019	Government. 35 Participants (Male-30, Female- 5)
10) Short-term Visiting Scholars' Program: Feed the Future Nigeria Agricultural Policy Project – My Experience	Federal University of Technology, Minna, 31 May 2019	Academic 38 participants (Male: 31, Female: 7)
11) Recent research findings on seed varieties, irrigation, and agricultural mechanization in Nigeria	Cross River State Ministry of Agriculture and Natural Resources 11 June 2019	Government. Private Sector, Research/ Academic 84 Participants (Male-64, Female- 20)
12) Recent research findings on seed varieties, irrigation, and agricultural mechanization in Nigeria	Ebonyi State Ministry of Agriculture and Natural Resources 17 June, 2019	Government. Private Sector, Research/ Academic 35 Participants (Male-25, Female- 10)

Event	Location	Participants
13) Recent research findings on seed varieties, irrigation, and agricultural mechanization in Nigeria	Delta State Ministry of Agriculture and Natural Resources 20 June, 2019	Government, Farmers, Private Sector Research/ Academic 64 Participants (Male-43, Female- 21)
14) Recent research findings on seed varieties, irrigation, and agricultural mechanization in Nigeria	Ministry of Agriculture and Natural Resources Kebbi State 25 June, 2019	Government, Farmers, Private Sector Research/ Academic 70 Participants (Male-66, Female- 4)
<b>Second Quarter</b>		
1) Urbanization, child nutritional outcomes and public health in Nigeria	Channel View Hotels, Calabar, Cross River State. 21 January 2019	Government, Research/ Academic, NGO. 86 Participants (Male-48, Female-38)
2) Recent research findings on seed varieties, irrigation, and agricultural mechanization in Nigeria	College of Education (CoE) Minna, Niger State. 21 January 2019	Government, Farmers, Research/ Academic. 91 Participants (Male-79, Female- 12)
3) Recent research findings on seed varieties, irrigation, and agricultural mechanization in Nigeria	HallyDays Hotel and Resort, Makurdi, Benue State. 22 January 2019	Government, Farmers, Research/ Academic. 15 Participants (Male-11, Female- 4)
4) Urbanization, child nutritional outcomes and public health in Nigeria	Conference Hall, Local Government Service Commission, Abakaliki, Ebonyi State. 23 January 2019	Government, Private Sector, Research/ Academic, NGO 126 Participants (Male-68, Female-58)
5) Recent research findings on seed varieties, irrigation, and agricultural mechanization in Nigeria	Kaduna State Ministry of Agriculture and Natural Resources, Kaduna State. 24 January 2019	Farmers, Government, Private Sector, Research/ Academic, NGO 62 Participants (Male-53, Female-9)
6) Recent research findings on seed varieties, irrigation, and agricultural mechanization in Nigeria	HMA's Conference Hall, FMARD, Abuja. 01 February 2019	Government. 25 Participants (Male-16, Female- 9)
7) Urban Agriculture, Land Access and Household Food Security in South-East Nigeria", Charles Olumba	MSU, 12 March 2019	21 Participants, all Academic <sup>6</sup> Male-9 Female-12
8) Effects of Agricultural Policies on Rice Production Systems in Kebbi State,	MSU, 26 March 2019	18 Participants, all Academic <sup>7</sup> Male-9

<sup>6</sup> Some of these participants have attended earlier events. Here is the data for people who have not previously been to an event this fiscal year: 13 participants (6 Male, 7 Female)

<sup>7</sup> Some of these participants have attended earlier events. Here is the data for people who have not previously been to an event this fiscal year: 6 participants (4 Male, 2 Female)



Event	Location	Participants
Northwest Nigeria by Balaraba Abubakar Sule and Dietary Diversity and nutritional outcomes of children in Nigeria by Hephzibah Onyeje Obekpa		Female-9
<b>First Quarter</b>		
1) Meso study on fish value chain research dissemination: the rapid transformation of the fish value chain in Nigeria: evidence from Kebbi state	Kebbi state ministry of agriculture & natural resources, 13-Dec-18	Government, Research/ Academic/Private Sector. 49 Participants (Male-47, Female-2)
2) Meso study on fish value chain research dissemination: the rapid transformation of the fish value chain in Nigeria: evidence from Niger state	Niger state ministry of agriculture & rural development, 17-Dec-18	Government, Farmer Organizations, Research/ Academic. 47 Participants (Male-35, Female- 12)
3) Water Use Efficiency of Cowpea Cultivars Grown on Residual Moisture from the Fadama in Tasompoh Zing LGA, Taraba State, Nigeria". Philip Hegarty James	MSU. November 2018	Research/ Academic. 15 Participants (Male-11, Female- 4)
4) Competitiveness of Domestic Rice under Different Production and Processing Technologies in Nigeria: An Application of Policy Analysis Matrix": Wellington Osawe Osayamon	MSU. 18 October 2018	Research/ Academic. 15 Participants (Male-8, Female- 7)

**ANNEX C: NUMBER OF INDIVIDUALS WHO HAVE RECEIVED USG SUPPORTED SHORT-TERM AGRICULTURAL SECTOR PRODUCTIVITY OR FOOD SECURITY TRAINING (INDICATOR 4)**

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
<b>1.1.1 FMARD/National Capacity Building and Mentoring Activities</b>							
<b>Fourth Quarter</b>							
1) July 3-5, 2019	Niger	Monitoring and Evaluation for result	Government , Academia	14	13	0	27
2) August 14-16, 2019	Abuja	Monitoring and Evaluation for result	Government	22	7	1	28
3) August 22-23, 2019	Abuja	Policy Brief Writing	Government	17	3	0	20
4) September 4 – 5, 2019	Abuja	National and Regional Agricultural Policies (APP, ERGP, ATA, CAADP, etc.)	Government	17	7	0	24
August 26-27, 2019	Abuja	Policy Communication Training to ARCN	Government	15	6	0	21
5) September 26 – 27, 2019	Abuja	Introductory Policy Communications	Government	15	6	0	21
<b>Third Quarter</b>							
1) April 1-3, 2019	Kaduna	CSPPro based CAPI	NAERLS	16	9	17	8
2) April 4-5, 2019	Kaduna	Issues in Agriculture and Development	NAERLS	21	4	0	25
3) April 8-12, 2019	Abuja	Econometrics for Policy Analysis using Stata	FMARD	10	9	0	19
<b>Second Quarter</b>							
1) February 11-14, 2019	Abuja	Econometrics for Policy Analysis using Stata	NBS	11	14	0	25
2) February 12-13, 2019	Abuja	Agricultural Policy Issues (APP, ATA, CAADP)	FMARD	18	5	0	23
3) March 4 – 7, 2019	Abuja	Econometrics for Policy Analysis using Stata	ARCEN	20	7	0	27

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
<b>First Quarter</b>							
1) November 7-8, 2018	Abuja	Monitoring and Evaluation	FMARD	4	3	0	7
2) November 26-28, 2018	Abuja	Stata software for Data Analysis	FMARD	18	3	1	20
3) November 29-30, 2018	Abuja	Issues in Agriculture and Development	FMARD	14	6	0	20
4) December 5-6, 2018	Abuja	Survey Design and Implementation	FMARD	15	9	0	24
5) December 10-11, 2018	Abuja	Review of policies (APP, ERGP, CAADP)	FMARD	9	12	1	21
<b>1.1.2 Universities</b>							
<b>Fourth</b>							
1) July 3, 2019	Ebonyi State University	Data Analysis Method for Experimental or Observational Data from AFRE 874 Contents	Academia	4	14		18
2) July 15 -17, 2019	Cross-River	Monitoring and Evaluation for result	Academia	21	6	0	27
3) July 31 - 2 August, 2019	Ebonyi	Monitoring and Evaluation for result	Academia	14	11	4	21
4) August 1-2, 2019	Ebonyi	Impact Evaluation Training	Academia	9	7	0	16
5) August 5-10, 2019	University of Agriculture, Makurdi,	R Training	Academia	20	9	0	29
6) August 7, 2019	Ibrahim Badamasi Babangida	Step Down on Questionnaire Design	Academia	13	5	9	9

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
	University, Lapai.						
7) August 26 – 27, 2019	Kebbi	Policy Communication	Academia	22	3	1	24
8) September 11-13, 2019	Cross-River	Monitoring and Evaluation for result	Academia	16	12	0	28
<b>Third Quarter</b>							
1) April 8-12, 2019	Kebbi State University of Science and Technology	Econometrics for Policy Analysis using Stata	Academia	18	7	0	25
2) April 11-18, 2019.	Department of Agricultural Economics, University of Ibadan,	Data analysis using R	Academia	13	8	3	18
3) April 15-18, 2019	University of Ibadan	Econometrics for Policy Analysis using Stata	Academia	10	7	0	17
4) April 23-26, 2019	Ministry of Agriculture and Natural Resources, Kebbi State, Nigeria.	Data analysis using R	Government , Academia	25	5	0	30
5) April 29 -30, 2019	University of Agriculture Makurdi	Issues in Agriculture and Development	Academia	22	4	0	26

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
6) May 6-7, 2019	University of Calabar	Issues in Agriculture and Development	Academia	17	5	0	22
7) May 10, 2019	Resource and Environmental Policy Research Centre, UNN	Workshop on Article Writing	Academia	9	7	4	12
8) May 13 - 17, 2019	Ibrahim Badamasi Babangida University Lapai	Econometrics for Policy Analysis using Stata	Academia	14	4	1	17
9) May 13 - 17, 2019	Federal University Ndufu-Alike Ikwo, Ebonyi	Econometrics for Policy Analysis using Stata	Academia	15	5	4	16
10) May 16, 2019	Ebonyi State University Abakaliki.	Workshop on Article Writing and Publication.	Academia	13	7	2	18
11) May 20 - 21, 2019	Kebbi State	Issues in Agriculture and Development	Academia	9	0	0	9
12) June 10-14, 2019	Delta State University	Econometrics for Policy Analysis using Stata	Academia	14	4	0	18
13) June 10-11 2019	University of Ibadan	Issues in Agriculture and Development	Academia	9	4	0	13

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
14) June 18-21	Ahmadu Bello University, Zaria	Econometrics for Policy Analysis using Stata	Academia	22	4	1	25
15) June 20	Federal University of Agriculture Makurdi,	Research Methodology Workshop: Step-down of AFRE 874 Contents	Academia	31	15	20	26
16) 26th JUNE, 2018	Ebonyi State	Research Methodology Workshop: Step-down of AFRE 874 Contents	Academia	34	27	1	60
<b>Second Quarter</b>							
1) January 14 -16, 2019	University of Calabar	Issues in Agriculture and Development	Academia	15	5	0	20
2) January 14 -16, 2019	Delta State University	Issues in Agriculture and Development	Academia	16	8	1	23
3) January 21-25, 2019	Ibrahim Babangida University, Lapai	Econometrics for Policy Analysis using Stata	Academia	20	5	0	25
4) January 21-25, 2019	Ebonyi State University	Econometrics for Policy Analysis using Stata	Academia	13	9	3	19
5) March 18 – 19, 2019	University of Ibadan	Policy Communications	Academia	17	6	0	23
6) March 18 – 19, 2019	Federal University of Technology, Minna	Issues in Agriculture and Development	Academia	15	12	0	27

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
7) March 18 – 22, 2019	Niger State College of Agriculture, Mokwa	Econometrics for Policy Analysis using Stata	Academia	20	5	0	25
8) March 25 – 29, 2019	University of Calabar	Econometrics for Policy Analysis using Stata	Academia	14	6	0	20
9) March 28, 2019	University of Ibadan	Workshop on Journal Article Writing	Academia	11	12	0	23
<b>First Quarter</b>							
1) October 15, 18 2018	Kaduna	Workshop on Journal Article Writing	Nigerian Association of Agricultural Economists Annual Meeting	13	9	18	4
2) October 22-26, 2018	Delta State University	Econometrics for Policy Analysis using Stata	Academia	18	6	4	20
3) October 22-26, 2018	Kaduna State University-Kafanchan Campus	Econometrics for Policy Analysis using Stata	Academia	28	3	10	21
4) November 1-2, 2018	Delta State	Group Dynamics	Farmer Groups	19	10	0	29
5) November 5-9, 2018	Benue State University	Survey data analysis using Stata	Academia	24	6	2	28
6) November 13-15, 2018	Ahmadu Bello University	Computer Assisted Personal Interview (CAPI)	Academia	21	4	1	24
7) Over the Fall of 2018	Virtual	Training Nigerian Journal of Agricultural Economics journal's	Academia	2	0	0	2

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
		editorial board to get the 2018 publication online					
<b>1.2. State trainings and capacity building efforts</b>							
<b>Fourth Quarter</b>							
1) July 8 -10, 2019	Delta	Group Dynamics Training for Farmer Groups in Asaba	Producers	23	6	0	29
2) July 11 -13, 2019	Delta	Group Dynamics Training for Farmer Groups in Ika-South	Producers	16	14	0	30
3) August 19 to 23, 2019	Benue	R Training	Government	26	9	2	33
4) August 26 -28, 2019	Delta	Group Dynamics Training for Farmer Group Ethiopia-East	Producers	14	16	15	15
5) August 29 -31, 2019	Delta	Group Dynamics Training for Farmer Group Ughelli North	Producers	20	10	9	21
6) September 25-27	Niger	Monitoring and Evaluation Training, State Ministry of Agric and Rural Development	Government	21	6	3	24
7) September 26-28	Niger	Group Dynamics Training for Farmer Group in Minna	Producers	23	7	5	25
<b>Third Quarter</b>							
1) April 1-3, 2019	Ebonyi	Group Dynamics	Private Sector	17	11	2	26
2) April 8-10, 2019	Niger	Group Dynamics	Farmer Groups	19	11	2	28
3) April 11-13, 2019	Niger	Group Dynamics	Private Sector	23	7	5	25



Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
4) May 2 - 3, 2019	Benue	Issues in Agriculture and Development	Government	17	13	1	29
5) May 6 – 8, 2019	Kaduna	Monitoring and Evaluation	Private Sector	19	6	5	20
6) May 6 – 10, 2019	Benue	Econometrics for Policy Analysis using Stata	Government	17	8	4	21
7) May 9 – 10, 2019	Cross - River	Issues in Agriculture and Development	Government	16	8	0	24
8) May 20 – 22, 2019	Kaduna	Group Dynamics	Farmer Groups	27	4	0	31
9) May 22 – 23, 2019	Kebbi	Issues in Agriculture and Development	Government	22	4	0	26
10) May 23 – 25, 2019	Kaduna	Group Dynamics	Private Sector	23	3	2	24
11) May 31, 2019	Ministry of Ag, Makurdi	Farmer Training: An APP to make good Sustainable Land Management decisions.	Government , Producers, Academia	55	12	5	62
12) June 13 – 14, 2019	Oyo	Issues in Agriculture and Development	Government	13	9	0	22
13) June 26 – 28, 2019	Ebonyi	Monitoring and Evaluation	Government	15	7	0	22
<b>Second Quarter</b>							
1) January 17 -18, 2019	Cross River	Issues in Agriculture and Development	State Ministry of Agriculture and natural Resources	17	8	0	25
2) January 17 -18, 2019	Delta	Issues in Agriculture and Development	State Ministry of Agriculture	17	10	0	27
3) January 28 -29, 2019	Kebbi	Group Dynamics	Private Sector	25	10	0	35

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
4) March 18 – 20, 2019	Oyo	Group Dynamics	Private Sector	25	6	0	31
5) March 21 – 22, 2019	Niger	Issues in Agriculture and Development	State Ministry of Agriculture	22	5	0	27
6) March 25 – 27 2019	Benue	Group Dynamics	Private Sector	18	11	1	28
<b>First Quarter</b>							
1) December 17-19, 2018	Kaduna	Monitoring and Evaluation for Results	State Ministry of Agriculture	21	3	0	24
<b>3.3.1 Media engagement and training (federal level)</b>							
<b>Fourth Quarter</b>							
<b>Third Quarter</b>							
<b>2nd Quarter</b>							
February 13-14, 2019	Abuja	Policy Communications	NBS	17	8	0	25
March 12 – 13, 2019	Abuja	Policy Communications	National Assembly	20	2	1	21
<b>First Quarter</b>							
October 22-23, 2018	Abuja	Policy Communications	National Assembly	11	1	1	11
<b>3.3.2 Media engagement and training (state level)</b>							
<b>Fourth Quarter</b>							
August 26 – 27, 2019	Kebbi	Policy Communication	Academia	22	3	1	24
<b>Third Quarter</b>							
1) April 8-9, 2019	Delta	Policy Communications	Farmer Groups	18	4	0	22

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
2) April 10-11, 2019	Delta	Policy Communications	Private Sector	15	8	2	21
3) April 15 - 16, 2019	Cross - River	Policy Communications	Cross - River state journalists	12	6	0	18
4) April 17-18, 2019	Cross - River	Policy Communications	Private Sector	21	6	0	27
5) May 13 - 14, 2019	Kaduna	Policy Communications	Kaduna state journalists	12	11	0	23
6) May 15 – 16, 2019	Kaduna	Policy Communications	Private Sector	15	1	4	12
7) June 24 – 25, 2019	Cross - River	Policy Communications	Private Sector	23	6	2	27
8) June 26 – 27, 2019	Cross - River	Policy Communications	Farmer Groups	14	4	2	16
<b>Second Quarter</b>							
1) January 21-22, 2019	Ebonyi	Policy Communications	Ebonyi state journalists	20	15	2	33
2) January 23-24, 2019	Ebonyi	Policy Communications	Farmer Groups	5	10	1	14
3) January 28-29, 2019	Kebbi	Policy Communications	State Ministry of Agriculture	23	2	0	25
4) January 30-31, 2019	Kebbi	Policy Communications	Farmer Groups	27	8	17	18
5) March 20 – 21, 2019	Oyo	Policy Communications	Oyo state journalists	13	10	0	23
6) March 25 – 26 2019	Benue	Policy Communications	Farmer Groups	20	7	0	27

Date	Location	Topic	Participants				
			Type	Male	Female	15-29	30+
7) March 27 – 28 2019	Benue	Policy Communications	Private Sector	20	7	4	23
<b>First Quarter</b>							
1) October 29-30, 2018	Kebbi	Policy Communications	Kebbi state journalists	10	10	0	20
2) October 31- November 1, 2018	Kebbi	Policy Communications	Kebbi state journalists	13	10	0	23
3) November 13-14, 2018	Niger	Policy Communications	Niger state journalists	12	14	0	26
4) November 15-16, 2018	Niger	Policy Communications	Niger state journalists	11	4	0	15

**ANNEX D: NUMBER OF INDIVIDUALS WHO HAVE RECEIVED USG SUPPORTED DEGREE-GRANTING NON-NUTRITION-RELATED FOOD SECURITY TRAINING REPORTED DURING THE LIFE OF PROJECT. (INDICATOR 5)**

<b>Name</b>	<b>Institution</b>	<b>Degree Level</b>
<b>Fall 2016</b>		
Charity Ekerebi	University of Ibadan, Nigeria	MS
<b>Fall 2016, Spring 2017</b>		
Wale Ogunleye	University of Ibadan, Nigeria	PhD
<b>Spring 2017</b>		
Aisha Ibrahim	Ahmadu Bello University, Zaria	MS
<b>Fall 2017</b>		
Ufedo Monday Shaibu	Kogi State University Anyigba	MS
Oluwatoyin Motunrayo Ademola	University of Agriculture, Abeokuta	MS
<b>Spring 2018</b>		
Stella Nwawulu Chiemela	University of Nigeria, Nsukka, Enugu State, Nigeria	PhD
<b>Spring and Fall 2018</b>		
Osayanmon Wellington, Osawe	University of Ibadan, Nigeria	PhD
Blessing, Agada	Federal University of Agriculture Makurdi	PhD
<b>Fall 2018</b>		
Choko, Onyinye Prince	University of Port Harcourt	MS
Philip, Hegarty James	Federal University of Agriculture Makurdi	MS
<b>Spring and Fall 2019</b>		
Balaraba, Abubakar Sule	Federal University of Technology Minna	PhD
Chukwudi, Charles Olumba	Ebonyi State University, Abakaliki, Ebonyi	PhD
Obekpa, Hephzibah Onyeje	University of Agriculture Makurdi	PhD

**ANNEX E: NUMBER OF VISITING PROFESSORS WHO CAME TO THE US UNDER THE SCHOLARS PROGRAM**

<b>Name</b>	<b>Institution</b>	<b>Specialty</b>
<b>FY 2019*</b>		
Ayodeji Coker	Federal University of Technology Minna, Niger State	Agricultural Economics
Jonathan Okechukwu Alimba	Ebonyi State University, Abakaliki, Ebonyi, Ebonyi State	Agricultural Economics, Management and Extension
Abu Godwin	University of Agriculture Makurdi, Benue State	Agricultural Economics
<b>FY 2018</b>		
Adedapo, Aiyeloja	University of Port Harcourt, Rivers State	Forestry and Wildlife Management
Aminu Ali	Federal University of Agriculture Makurdi, Benue State	Soil Science
<b>FY 2017</b>		
Ibrahim Mohammed Kebiru	Kogi State University Anyigba	Agricultural Economics
Agber Philip	Federal University of Agriculture Makurdi, Benue State	Soil Science
Obadina, Adewale Olusegun	University of Agriculture, Abeokuta, Ogun State	Food Science
Ifeyinwa Achike	University of Nigeria, Nsukka, Enugu State,	Agricultural Economics
Kabir Kayode Salman	University of Ibadan, Oyo State, Nigeria	Agricultural Economics
<b>FY 2016</b>		
Omonona Bolarin	University of Ibadan, Ibadan, Oyo State	Agricultural Economics
Funso Olajide	University of Ibadan, Ibadan, Oyo State	Agricultural Economics
Damisa Maiyaki	Ahmadu Bello University, Zaria	Agricultural Economics

\* These 3 professors are coming to MSU in October 2019

**ANNEX F: NUMBER OF AGRICULTURE POLICY COMMUNICATIONS DEVELOPED AND/OR WRITTEN FOR STAKEHOLDER CONSUMPTION (INDICATOR 7)**

<b>Paper description</b>
<b>Policy Briefs</b>
<b>Fourth Quarter</b>
1) <a href="#">Mechanization in Nigeria: What needs to be done to stimulate demand and support market growth?</a> Hiroyuki Takeshima and Adam Kennedy, 2019. Mechanization in Nigeria: What needs to be done to stimulate demand and support market growth? FSP Research Brief 98, East Lansing: Michigan State University.
2) <a href="#">Nigeria Land Governance Reform: What needs to be done to stimulate demand and support market growth?</a> Hosaena Ghebru and Adam Kennedy, 2019. Nigeria Land Governance Reform: What needs to be done to stimulate demand and support market growth?, FSP Research Brief 97, East Lansing: Michigan State University.
<b>Third Quarter</b>
1) <a href="#">Introducing Food Safety Labels in Complex Food Supply Chains: Evidence from a Choice Experiment in Nigeria.</a> Sanou, Liverpool-Tasie, Vincenzina, Kerr, 2019. FSP Research Brief 93, East Lansing: Michigan State University.
2) <a href="#">Reducing Post-Harvest Losses in Tomatoes</a> Hephzibah Onyeje Obekpa, 2019. FSP Research Brief 92, East Lansing: Michigan State University.
3) <a href="#">The Effects of Feed Costs and Increased Energy Needs on Broiler Farm Productivity: A Dynamic Programming Approach</a> Padilla, Liverpool-Tasie, Myers, 2019. FSP Research Paper 130. East Lansing, Michigan State University.
4) <a href="#">Climate Change Adaptation in the Nigerian Agricultural Sector.</a> Schmitt-Olabisi, Liverpool-Tasie, Onyeneke, Choko, Osuntade, Sanou, Singa, Chiemela, 2019. FSP Research Brief 91, East Lansing: Michigan State University
5) <a href="#">Demographic Factors and Nigeria's Dairy Production for the Year 2015.</a> Onyinye Prince Choko, 2019. FSP Research Brief 90, East Lansing: Michigan State University.
6) <a href="#">Curbing Post Harvest Losses: The Plight of Onion Farmers in Nigeria.</a> Balaraba Abubakar Sule, 2019. Curbing Post Harvest Losses: The Plight of Onion Farmers in Nigeria, FSP Research Brief 89, East Lansing: Michigan State University.
7) <a href="#">Agriculture, Land Access and Economic Growth in Africa: An Instrumental Variable Approach.</a> Chukwudi Charles Olumba, 2019. FSP Policy Research Brief 86. East Lansing: Michigan State University.
8) <a href="#">The Nexus between Malnutrition and Agricultural Subsector Outputs in Nigeria.</a> Hephzibah Onyeje Obekpa, 2019. FSP Research Brief 85, East Lansing: Michigan State University.
9) <a href="#">Farmers' Perception of Causes of Soil Degradation in Northern Taraba, Taraba State of Nigeria.</a> Philip Hegarty James, 2019. FSP Policy Research Brief 84. East Lansing: Michigan State University.
<b>Second Quarter</b>
1) Nutrition and growing your own food: Dietary Diversity Evidence from North Central Nigeria. Hephzibah Onyeje Obekpa, Michael Olabisi, 2019. FSP Policy Research Brief 82. East Lansing: Michigan State University.
2) Community-Scale Climate Adaptation: Evidence from Ebonyi State, Nigeria. Choko, Schmitt Olabisi, Onyeneke, Nwawulu Chiemela, Liverpool-Tasie and Rivers III, 2019. FSP Policy Research Brief 81. East Lansing: Michigan State University.

<b>Paper description</b>	
3)	Nigeria Agricultural Policy Project Agriculture, Land Access and Economic Growth in Africa: An Instrumental Variable Approach. Chukwudi Charles Olumba. Policy Research Brief 86 March 2019.
<b>First Quarter</b>	
1)	Resnick, Danielle; Sivasubramanian, Bhavna; Idiong, Idiong Christopher; Ojo, Michael Akindele; and Tanko, Likita. 2018. Synopsis: The enabling environment for informal food traders in Nigeria's secondary cities. NSSP Policy Note 52. Washington, DC: International Food Policy Research Institute (IFPRI). <a href="http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132983">http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132983</a>
2)	Ecker, Olivier; Hatzenbuehler, Patrick L.; and Mahrt, Kristi. 2018. Synopsis: Transforming agriculture for improving food and nutrition security among Nigerian farm households. NSSP Policy Note 51. Washington, DC: International Food Policy Research Institute (IFPRI). <a href="http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132906">http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132906</a>
3)	Hatzenbuehler, Patrick L.; Takeshima, Hiroyuki; Edeh, Hyacinth; and Lawal, Akeem. 2018. Synopsis: Cost and policy determinants of features of tractor markets in Nigeria: Case studies of tractor sellers in Kaduna state and tractor owners in Benue state. NSSP Policy Note 50. Washington, DC: International Food Policy Research Institute (IFPRI). <a href="http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132892">http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132892</a>
4)	Hatzenbuehler, Patrick L.; Mavrotas, George; Maikasuwa, Mohammed Abubakar; Aliyu, Abdulrahman; and Bashir, Amina. 2018. Synopsis: Grain storage and marketplace characteristics in Kebbi state, Nigeria. NSSP Policy Note 49. Washington, DC.: International Food Policy Research Institute (IFPRI). <a href="http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132877">http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132877</a>
5)	Takeshima, Hiroyuki; Hatzenbuehler, Patrick L.; and Edeh, Hyacinth. 2018. Synopsis: Effects of agricultural mechanization on economies of scope in crop production in Nigeria. NSSP Policy Note 48. Washington, DC: International Food Policy Research Institute (IFPRI). <a href="http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132883">http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/132883</a>
6)	Use of Modern Inputs and Complementary Farm Practices in the Nigeria Rice Value Chain: Implications for Policy. Osayanmon Wellington Osawe, 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief 85. East Lansing: Michigan State University. <a href="https://www.canr.msu.edu/resources/use-of-modern-inputs-and-complementary-farm-practices-in-the-nigeria-rice-value-chain-implications-for-policy">https://www.canr.msu.edu/resources/use-of-modern-inputs-and-complementary-farm-practices-in-the-nigeria-rice-value-chain-implications-for-policy</a>
7)	The Co-Occurrence of Aflatoxin and Fumonisin along the Maize Value Chain in Southwest Nigeria. Lenis Liverpool-Tasie, Nikita Saha Turna, Oluwatoyin Ademola Adewale Obadina, Felicia Wu, 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief 83. East Lansing: Michigan State University. <a href="https://www.canr.msu.edu/resources/the-co-occurrence-of-aflatoxin-and-fumonisin-along-the-maize-value-chain-in-southwest-nigeria">https://www.canr.msu.edu/resources/the-co-occurrence-of-aflatoxin-and-fumonisin-along-the-maize-value-chain-in-southwest-nigeria</a>
8)	Changing the Fertilizer Conversation in Nigeria: The Need for Site Specific Soil-Crop Fertilizer Use. Blessing Agada 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief 73. East Lansing: Michigan State University. <a href="https://www.canr.msu.edu/resources/changing-the-fertilizer-conversation-in-nigeria-the-need-for-site-specific-soil-crop-fertilizer-use">https://www.canr.msu.edu/resources/changing-the-fertilizer-conversation-in-nigeria-the-need-for-site-specific-soil-crop-fertilizer-use</a>
9)	Trade Openness in Nigeria and its Effect on Agricultural Share of GDP. Abubakar Balaraba Sule. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.



<b>Paper description</b>	
10)	Agriculture, Land Access and Economic Growth in Africa: An Instrumental Variable Approach. Chukwudi C. Olumba. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.
11)	Agriculture, Land Access and Economic Growth in Africa: An Instrumental Variable Approach. Chukwudi C. Olumba. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.
12)	The Nexus between Malnutrition and Agricultural Subsector Outputs in Nigeria. Hephzibah Onyeje Obekpa. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.
13)	Survey on Milk Production in Nigeria for the Year 2015. Onyinye Prince Choko. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.
14)	Farmers' Perception of Causes Soil Degradation in Northern Taraba, in Taraba State of Nigeria. Hegarty James Philip. 2018. Feed the Future Innovation Lab for Food Security Policy Research Brief Forthcoming. East Lansing: Michigan State University.
<b>White/Research Papers</b>	
<b>Fourth Quarter</b>	
	All planned agriculture policy communication had been finalized and exceeded for the year therefore none was developed from IFPRI in the fourth quarter
<b>Third Quarter</b>	
1)	<a href="#">The Effects of Feed Costs and Increased Energy Needs on Broiler Farm Productivity: A Dynamic Programming Approach</a> . Padilla, Liverpool-Tasie, Myers, 2019. Effects of Feed Costs and Increased Energy Needs on Broiler Farm Productivity. FSP Research Paper 130. East Lansing, Michigan State University.
<b>Second Quarter</b>	
1)	George Mavrotas, Tewodaj Mogues, Motunrayo Oyeyemi, Jennifer Smart and Zhe Xiong, 2019. Agricultural public expenditures, sector performance, and welfare in Nigeria. <i>NSSP Working Paper 60</i> . Washington, DC: International Food Policy Research Institute (IFPRI). <a href="http://nssp.ifpri.info/2019/01/09/new-publication-ifpri-nssp-working-paper-no-60/">http://nssp.ifpri.info/2019/01/09/new-publication-ifpri-nssp-working-paper-no-60/</a>
<b>First Quarter</b>	
1)	The Occurrence and Co-Occurrence of Aflatoxin and Fumonisin along the Maize Value Chain in Southwest Nigeria. Lenis Liverpool-Tasie, Nikita Saha Turna, Oluwatoyin Ademola, Adewale Obadina, Felicia Wu, 2018. Feed the Future Innovation Lab for Food Security Policy Research Paper 120. East Lansing: Michigan State University. <a href="https://www.canr.msu.edu/resources/the-occurrence-and-co-occurrence-of-aflatoxin-and-fumonisin-along-the-maize-value-chain-in-southwest-nigeria">https://www.canr.msu.edu/resources/the-occurrence-and-co-occurrence-of-aflatoxin-and-fumonisin-along-the-maize-value-chain-in-southwest-nigeria</a>
2)	The Rapid Transformation of the Fish Value Chain in Nigeria: Evidence from Kebbi State. Ayuba Gona, Gwoni Woji, Sunday Norbert, Hajar Muhammad, Lenis S. O. Liverpool-Tasie, Thomas Reardon, Ben Belton, 2018. Feed the Future Innovation Lab for Food Security Policy Research Paper 118. East Lansing: Michigan State University. <a href="https://www.canr.msu.edu/resources/the-rapid-transformation-of-the-fish-value-chain-in-nigeria-evidence-from-kebbi-state">https://www.canr.msu.edu/resources/the-rapid-transformation-of-the-fish-value-chain-in-nigeria-evidence-from-kebbi-state</a>
3)	Climate Change Adaptation among Poultry Farmers: Evidence from Nigeria. Lenis Saweda O. Liverpool-Tasie, Awa Sanou and Justice A. Tambo, 2018. Feed the Future Innovation Lab for Food Security Policy Research Paper 117. East Lansing: Michigan State University.

<b>Paper description</b>	
	<a href="https://www.canr.msu.edu/resources/climate-change-adaptation-among-poultry-farmers-evidence-from-nigeria-research-paper">https://www.canr.msu.edu/resources/climate-change-adaptation-among-poultry-farmers-evidence-from-nigeria-research-paper</a>
4)	The Effect of Processing Practices on Mycotoxin Reduction in Maize Based Products: Evidence from Lactic Acid Fermentation in Southwest Nigeria. Oluwatoyin Ademola, Lenis Saweda O. Liverpool-Tasie, Adewale Obadina, Nikita Saha Turna, Felicia Wu, 2018. Feed the Future Innovation Lab for Food Security Policy Research Paper 116. East Lansing: Michigan State University. <a href="https://www.canr.msu.edu/resources/the-effect-of-processing-practices-on-mycotoxin-reduction-in-maize-based-products-evidence-from-lactic-acid-fermentation-in-southwest-nigeria">https://www.canr.msu.edu/resources/the-effect-of-processing-practices-on-mycotoxin-reduction-in-maize-based-products-evidence-from-lactic-acid-fermentation-in-southwest-nigeria</a> .
<b>Other</b>	
<b>Fourth Quarter</b>	
11)	<a href="#">Enhancing the "Train One to Train Others" Tradition: "R" for Statistical Computing in Benue State</a> . Highlights 59, Blessing Agada and Philip Hegarty James, September 2019.
12)	<a href="#">Research Methodology Workshop Delivered for EBSU Staff and Graduate Students</a> . Highlights 58, Chukwudi Charles Olumba, September 2019.
13)	<a href="#">My Award Winning Presentation at the Fourth African Graduate Student Association Conference, Michigan State</a> . Highlights 57, Chukwudi Charles Olumba, September 2019.
14)	<a href="#">Michigan State University Fall Welcome Program</a> . Highlights 56, Hephzibah Onyeje Obekpa, September 2019.
15)	<a href="#">NAPP and Relevant Technology- A Success Story an App to Make Good Sustainable Land Management Decisions. Training at the Ministry of Agriculture Makurdi, May 31, 2019</a> . Highlights 55, Blessing Agada, September 2019
16)	<a href="#">Training One To Train Others: Leveraging on Information and Communications Technology and MSU Resources to Achieve Multiple Project Goals</a> . Highlights 53, Chukwudi Charles Olumba, September 2019.
17)	<a href="#">New Initiative: Brown Bag Seminar at the College of Agricultural Economics and Extension, Federal University of Agriculture Makurdi, Benue State, Nigeria</a> . Highlights 52, Hephzibah Onyeje Obekpa, September 2019.
18)	<a href="#">Stakeholder Engagement, Collaborative Research and Capacity Strengthening</a> . Highlights 51, Oluwatoyin Adebawale, August 2019.
19)	<a href="#">Stepdown of Some Contents of AFRE 874 at the Federal University of Agriculture Makurdi</a> . Highlights 50, Hephzibah Onyeje Obekpa, August 2019.
20)	<a href="#">"Train One to Train Others": Project Scholars Train Nigerian Faculty on Using "R" for Data Analysis</a> . Highlights 49, Mr. Chukwudi Charles Olumba and Mrs. Hephzibah Onyeje Obekpa, August 2019.
<b>Third Quarter</b>	
1)	<a href="#">Training Workshop on "R" for Graduate Students and Staff of Faculty of Agriculture, University of Ibadan, Held at the Department of Agricultural Economics, University of Ibadan, Nigeria From April 11-18, 2019</a> . Highlights 47, Dr. Osayanmon Wellington Osawe, April 2019.
2)	<a href="#">Highlight of the Training Workshop on "Article Writing" at the Department of Agricultural Economics, University of Ibadan, Nigeria</a> . Highlights 46, Wellington Osawe, April 2019.
3)	<a href="#">Lunch at the Thirteenth Annual "Hero Luncheon"</a> . Highlights 45, Chukwudi Charles Olumba, April 2019.
4)	<a href="#">My Presentation at Michigan State University's Brown Bag Series</a> . Highlights 44, Chukwudi Charles Olumba, April 2019.

<b>Paper description</b>
5) <a href="#">Cranium to Classroom: A Scholar's Perspective</a> . Highlights 43, Hephzibah Onyeje Obekpa, April 2019.
6) Brochure: <a href="#">Pamphlet on Urban Agriculture and Food Security in Nigeria</a>
7) Brochure: <a href="#">Reduction of Post-Harvest Losses in Onion Production</a>
8) Brochure: <a href="#">Dietary Diversity isn't far fetched</a>
<b>Second Quarter</b>
1) My Experience at the Communication Art Building – MSU. Highlights 34, Choko, Onyinye Prince, March 29
2) Excellent Transportation System. Highlights 35. Hephzibah Onyeje Obekpa. March 2019.
3) The “R” Lunch! Highlights 36. Abubakar Sule Balaraba. March 2019.
4) The Brown Bag Seminar. Highlights 37. Abubakar Sule Balaraba. March 2019.
5) Graduate Students Organization (GSO): Home Away From Home. Highlights 38. Hephzibah Onyeje Obekpa. March 2019.
6) Attending My First Brown Bag Seminar at Michigan State University (MSU). Highlights 39. Hephzibah Onyeje Obekpa. March 2019.
7) Africa on the Move. Highlights 40. Philip Hegarty James. March 2019.
8) A Walk with President Hannah! Highlights 41. Abubakar Sule Balaraba. 2019.
9) My First Snow Adventure. Highlights 42. Chukwudi Charles Olumba. 2019.
10) Guide on how to account for soil physical properties and fertilizer use in Maize based systems. Blessing Iveren Agada. Federal University of Agriculture, Makurdi, Benue State
<b>First Quarter</b>
1) Changing Perspective to Data Analysis: My Journey with R Statistical Programming. Highlights 33, Agada Iveren Blessing, September 2018. <a href="https://www.canr.msu.edu/resources/a-changing-perspective-to-data-analysis-my-journey-with-r-statistical-programming">https://www.canr.msu.edu/resources/a-changing-perspective-to-data-analysis-my-journey-with-r-statistical-programming</a>
2) The Future of Africa: Making "Africanists", Driver of Our Own Development. Highlights 31, Osayanmon Wellington Osawe, September 2018. <a href="https://www.canr.msu.edu/resources/the-future-of-africa-making-africanists-driver-of-our-own-development">https://www.canr.msu.edu/resources/the-future-of-africa-making-africanists-driver-of-our-own-development</a>
3) Building Resilience in Nigerian Agriculture. Laura Schmitt Olabisi and Saweda Liverpool-Tasie. December 6, 2018. Agrilinks. <a href="https://www.agrilinks.org/post/building-resilience-nigerian-agriculture">https://www.agrilinks.org/post/building-resilience-nigerian-agriculture</a>

## ANNEX G: PROJECT SUCCESS STORIES

### Year 4 – Highlights

#### 1. FMARD Extension Policy Document

The project provided technical and analytical support to the development of Extension Policy Manual. In recognition to this support, the Director of the Extension Department, Madam Babangida, on her letter dated the 20<sup>th</sup> April 2019, stated that:

“On behalf of the Federal Ministry of Agriculture and Rural Development (FMARD) and most especially the Department of Agricultural Extension specially I would like to appreciate you for the immeasurable support the IFPRI team have been giving the Ministry. It has been wonderful working with IFPRI-Nigeria where you gave us full support in the development of the Policy-Implementation Manual for the Agricultural Extension Policy as well as the capacity building of FMARD officials on Agricultural Policies. It is heartwarming to mention that the Extension Policy and Policy Implementation Manual have been approved by the Honourable Minister of Agriculture. He has directed that both documents be prepared for him to present to the Federal Executive Council (FEC).”

#### 2. Towards Strengthening Nigeria’s Capacity to Innovate in the Agricultural Sector

As a measure towards driving innovation in Nigeria’s agricultural sector, on 16 September 2019 in Abuja, the project introduced 30 senior officials of Nigeria’s Federal Ministry of Agriculture and Rural Development (FMARD) to tools developed under the Capacity Development for Agriculture Innovation Systems (CDAIS) project. The Capacity Development for Agriculture Innovation Systems (CDAIS) is a global activity funded by the United States Agency for International Development (USAID). Under the CDAIS project, researchers have developed tools that when implemented, would help players in agriculture working on research education, extension (REE) or policy to effectively analyze themselves and be properly positioned to bring about innovations within their respective agricultural systems.



At the CDAIS Introductory training in FADAMA House, Abuja

Prior to this activity with FMARD, Dr. Suresh Babu, and Dr. Kwaw Andam, in collaboration with colleagues from World FISH, Wageningen University and other stakeholders, had already verified the tools with actors in Ibadan, Oyo State. Here, the tools were tested for the aquaculture sector in the states of South West Nigeria (Ekiti, Lagos, Ogun, Ondo, Osun and Oyo). The CDAIS toolkit has also been tested in Niger State, where it was applied against multiple value chains and food sectors in the state.

### **3. Monitoring and Evaluation for Result Training for Stakeholders In FMARD**

A 3-day Monitoring & Evaluation for Result training from 14<sup>th</sup> to 16<sup>th</sup> August 2019 was delivered by the Feed the Future Nigeria Agricultural Policy Project (NAPP) to staff of the Project Coordinating Unit (PCU) and some of the donor funded projects in the Federal Ministry of Agriculture & Rural Development (FMARD). The PCU coordinates all donor funded projects in FMARD. The training was conducted to teach the PCU and donor funded project staff the basic concepts of and scope of Monitoring, Evaluation and Learning, to identify M&E gaps in the project activities of the participating Department and projects and to generate program-specific M&E plans and frameworks. As part of the mentorship approach adopted by the Project, the training was jointly facilitated with Dr. Gabriel Malomo of the Agricultural Research Council of Nigeria (ARCN). Dr. Malomo had been a participant in an earlier policy communications training delivered by the project in 2018.



The training was attended by 29 individuals (22 male, 7 female) who fully participated in all the sessions. The participants were introduced to the modules, namely, the basic concepts of M&E; principles of M&E; the four stages in an M&E system; M&E frameworks; how to develop and implement an M&E plan; as well as baselines measurement and targets development. The expectation was that with improved skills and knowledge, participants will demonstrate greater efficiency and effectiveness in managing their project and other activities. The participants were excited and commended the NAPP team for a well delivered training. They promised to make use of all that was taught and apply it in their project implementation.

### **4. Capacity Strengthening Workshop on Policy Brief Writing for The Feed The Future States**

One of the aims and objectives of the Feed the Future Nigeria Agricultural Policy Project is to strengthen the national capacity for making available and disseminating evidence relevant to public policy. As such, a two-day workshop on Developing Policy Brief was held for participants drawn from the seven Feed the Future states (Benue, Cross River, Delta, Ebonyi, Kaduna, Kebbi and Niger) from 22<sup>nd</sup> to 23<sup>rd</sup> August 2019. This training-workshop was facilitated by the Head of Policy Communications Unit (as part of the Nigeria Agricultural Policy Project (NAPP) activities in Nigeria. The workshop was attended by 25 participants (22 males and 3 females) that work in either the state

ministries of agriculture, or the agricultural development programmes/agencies. The aim of the training workshop was to enhance and strengthen the skills and capacities of the State Ministries of Agriculture and/or agricultural agencies to independently develop their own policy briefs.

Participants expressed high interests in the training-workshop and majority of them wanted subsequent editorial support with the drafts. The participants were grateful for the training and stated that the training has equipped them with the contextual knowledge and technical skill to develop policy briefs relevant to their states.



##### **5. Multi-stakeholders dialogue and Policy FORUM**

On 29 August 2019, Dr Bedru Balana, then Acting Program Leader for International Food Policy Research Institute's Nigeria Strategy Support Program (IFPRI-NSSP), participated the 6<sup>th</sup> National Multi-stakeholders Forum and Policy Seminar organized by the Agricultural Policy Research Network (APRNet) with support from the Feed the Future Nigeria Agricultural Policy Project in Abuja, Nigeria. In an interview with the African Independent Television (AIT), Bedru highlights the need for policymakers to focus on boosting agricultural productivity for small-scale farmers to enhance food security in Nigeria. <https://youtu.be/XjDEtOJSQns>

## ANNEX H: POLICY COMMUNICATIONS TRAINING FOR MEDIA

One of the aims of the Project is to increase in interest in the reportage of agricultural issues, particularly those emanating from evidence-based researches. This is currently been achieved as shown by various pro-bono coverages of the Project's dissemination activities by Project beneficiaries from some media outfits. The highlights are as shown:

1. <https://theeagleonline.com.ng/migration-expert-tasks-fg-states-to-commercialise-modernise-agriculture/>
2. <https://sundiatapost.com/research-body-to-tackle-malnutrition-stunted-growth-in-nigeria/>.

The project continues to mentor its beneficiaries through engagement in trainings of new beneficiaries. This is evident during the training for staff of the Agricultural Research Council of Nigeria (ARCN) in Abuja where Dr. Edith Nnemeka, Assistant Chief Agricultural Research Officer (ACARO) at ARCN with Elisabeth Douglas, Communications Specialist for the Project, jointly facilitated the training. Dr. Nnemeka had been a participant in an earlier policy communications training delivered by the project in 2017.

