



Quarterly Report

Innovative Agricultural Research Initiative

January 1 - March 31, 2014

submitted by

Ohio State University

April, 2014





The Ohio State University

www.osu.edu

Office of International Programs in Agriculture
113 Agricultural Administration Building
2120 Fyffe Road
Columbus, OH 43210
Tel: (614) 292-7252
Fax: (614) 292-1757

Innovative Agricultural Research Initiative (iAGRI)

P.O. Box 3114, Sokoine University of Agriculture
Morogoro, Tanzania

Tel: +255 23 260 0743 (landline)

Tel: +255 763267934 (mobile)

Cover photo: Neema Shosho, an iAGRI-sponsored Master's scholar studying Food and Nutritional Sciences at Tuskegee University, explains basic nutritional concept to more than 40 mothers at a local government office in Peapea, Tanzania. After a year of coursework at Tuskegee in 2012-2013, Neema returned to Tanzania to implement her thesis research, which investigates the effectiveness of an alternative education regime in providing mothers in rural areas with the knowledge they need to administer nutritious complementary feeding practices to their babies. Neema will return to her position as Regional Nutrition Officer in Tanga Region upon completing her Master's degree in 2014.

This publication is made possible by the support of the American people through the United States Agency for International Development (USAID). The contents do not necessarily reflect the views of USAID or the United States Government. It was prepared by The Ohio State University under Cooperative Agreement 621-A-00-11-000090-00 with USAID Tanzania.

Table of Contents

Executive Summary.....	4
Introduction	5
Implementation Progress	6
IR 1 – Improved Agricultural Productivity (Part 1 – Training).....	6
i. Long Term Graduate Degree Training.....	6
ii. Cohort IV Candidate Selection	7
iii. Cohort III Candidate Progress	8
v. Cohort I Degree Progress	8
vi. Placement at Global South Institutions	9
vii. Leadership Webinar	9
IR 1 – Improved Agricultural Productivity (Part 2, Collaborative Research).....	10
i. Collaborative Research Program – Phase I	10
ii. Collaborative Research Program – Phase II	10
iii. Student Summer Research Interns	12
IR 3 – Enhanced Human and Institutional Capacity Development for Increased Sustainable Agriculture Sector Productivity.....	12
i. Implementation of Gender Development Plan	12
ii. Mentoring at SUA.....	12
iii. University Leadership/Change Management	13
iv. Extension Personnel Visit to U.S.	15
v. SUA Website Renovation	16
vi. Short-Term Training	16
vii. Visits by OSUC Advisors to SUA.....	16
viii. Private Sector Linkage Development.....	17
ix. Sokoine National Agricultural Library	17
x. Statistical Collaboration Laboratory	18
IR 8 – Improved Enabling Policy Environment for both Agriculture and Nutrition	18
i. Agricultural Policy Seminar Series.....	18
ii. Utilize RUFORUM to Place Trainees.....	18
iii. Placement of Students at Non-African Global South Institutions	18
Project Administration.....	18
i. Update Data for the Management and Evaluation (M&E) Plan	19

ii.	Collaboration with FTF Partners in Tanzania	19
iii.	Project Updates for FTF Partners in Tanzania.....	19
iv.	Project Updates for U.S. Partners	19
v.	ME Staff Visits to SUA	19
vi.	Weekly Joint Video Meetings of PMU and ME Staff.....	19
vii.	Coordination Meetings with SUA.....	20
viii.	Research Innovation Portfolio	20
ix.	iAGRI Stories Website	20
x.	Amendment to iAGRI Cooperative Agreement	20
Activities Implemented in Zanzibar		20
i.	Ph.D. Degree Training	20
ii.	M.Sc. Degree Training	20
iii.	B.Sc. Degree Training of Students from Zanzibar	21
Key Achievements.....		21
i.	Placing Additional Students in Graduate Degree Program	21
ii.	Researching Food Security Constraints.....	21
iii.	Accessing Scientific Literature	21
iv.	Creating an Innovation Portfolio.....	22
Problems and Challenges.....		22
i.	Delay in Signing of USAID Direct Grant to SUA	22
ii.	Delays in SUA Staff Assignments for Capacity-building Initiatives	22
iii.	Lethargy in Gender Policy Implementation Committee at SUA	22
Planned Activities.....		23
i.	Training	23
ii.	Collaborative Research	23
iii.	Capacity Building.....	23
iv.	Focus on Fostering Private Sector Linkages	23
v.	Focus on Leadership Development.....	24
vi.	Focus on Degree Program Strengthening	24
vii.	Focus on Extension Strengthening.....	24
Cross Cutting Topics.....		24
i.	Gender	24
ii.	Climate Change	24
iii.	Private Sector	24

Financial Summary..... 25
Annex I: Matrix of Performance against PMP Indicators..... 26

Quarterly Report

Innovative Agricultural Research Initiative (iAGRI)

January 1 – March 31, 2014

Executive Summary

Activities implemented over the past three months are consistent with the content of the iAGRI Year IV Work Plan. Consistent planned in the original project proposal, activities cluster around long-term degree training, collaborative research, and institutional capacity building at Sokoine University of Agriculture (SUA) and the Ministry of Agriculture, Food Security and Cooperatives (MAFC) as well as strengthening linkages between SUA and tertiary institutions in the Global South and the U.S.

Regarding training, we continued to work with the programs of trainees from Cohorts I, II and III and to select students for Cohort IV. Five of the six Cohort I students have now completed their degree programs and the remaining student will defend his thesis during the coming quarter. We continue to facilitate student research in several ways, including the engagement of advisors from OSUC partner institutions and SUA. The academic programs of Cohort II Ph.D. students and Cohort III M.Sc. students have also continued. Twenty-eight of them continue to undertake academic studies at OSUC partner institutions; nine have continued to pursue degrees at RUFORUM affiliated institutions, having been placed by RUFORUM; and 20 were enrolled in degree programs at SUA. Three undergraduate students from Zanzibar, who are pursuing B.Sc. degrees at SUA, continued their studies. These students were funded at the request of the Government of Zanzibar. We reallocated resources designated for graduate degree training because of the dearth of qualified M.Sc. degree candidates in Zanzibar. The OSU Management Entity is gearing up for placement of Cohort IV students at OSUC institutions for Fall 2014. Thirty candidates attended a two-day video-conference workshop on TOEFL and GRE testing in January, 2014. Six achieved the minimal threshold score required by many OSUC institutions for unconditional entry to their graduate degree programs. Twelve candidates who achieved scores approaching this level have since retaken the test and await results. Twenty-eight students also took the GRE exam. RUFORUM will place 10 additional students at its member institutions through the RUFORUM sub-agreement. In addition to the ten, RUFORUM will place another two candidates in M.Sc. programs to substitute for a PhD slot that was vacated just prior to the start of studies in Cohort 1. The PMU will place 9 Master's students at SUA in 2014. Finally, the OSU Management Entity will place 5 students at Punjab Agricultural University (PAU) in India.

The iAGRI Collaborative Research Program was advanced substantially during the past quarter. Eight of the nine selected research projects were funded and are being implemented. A one-day workshop was held on January 15 at which the funded research projects were reviewed. Tanzanian Principal Investigators (PIs) presented status updates on their projects and plans for the coming six months. Seven of the eight presentations revealed that substantial progress is being made. Implementation of a project headed by a MAFC PI was suspended due to its loss of the originally proposed PI. Subsequent to the workshop, an alternative PI has been identified and discussions are being held with the Tanzanian team regarding their acceptance of this alternative. Plans are being made to hold another request for proposals for a phase two of the research program. The process will be more specified and acceptable proposals

will focus on major development constraints identified by Feed the Future partners and other relevant entities in Tanzania. Researchers invited to submit proposals will be pre-identified based on their expertise in the research areas to be addressed. Several possible PIs from OSU Consortium members and from SUA and MAFC have been contacted regarding this round of research projects and a Tanzanian consultant has been engaged to prepare a paper on maize production and related problems in Tanzania. Regarding the four policy research projects funded under iAGRI, contacts have been made with faculty at OSUC institutions to assist in reviewing research results and to help craft related policy briefs.

Increased attention was given to the institutional capacity strengthening dimension of iAGRI over the past three months. Five types of institutional strengthening were considered, namely, (1) strengthening teaching and research and outreach infrastructure; (2) increasing the technical capacity of staff to undertake teaching, research and outreach; (3) improving the IT-related capacity at Sokoine; (4) strengthening leadership capacity at the university; and (5) building stronger linkages of SUA with the private sector. Regarding the first type, attention continued to be given to improving classroom audio video capabilities on campus. Regarding the second, a climate change conference was held at SUA in November, 2013 and initial planning has begun for a follow-on conference on “climate smart” agriculture with substantial input from the private sector. Regarding the third type, the PMU short-term training committee identified several priority areas for short-term training based on feedback from SUA staff and students. The identified training needs are expected to be addressed during the following three month period. As for leadership strengthening, OSUC consultants worked with SUA leadership to identify major leadership challenges it faces regarding ever changing, fiscal, policy, and organizational environments. Plans to increase responsiveness to needs of stakeholders, including agribusinesses, farms, NGOs and government organizations, were prepared based on interaction with them. Leadership training was provided to iAGRI-funded students through a webinar series on leadership. Strengthening public-private sector partnerships was also a focus of iAGRI efforts, including engaging private-sector support for research and development activity at SUA, both from multi-nationals and from local Tanzanian companies.

Over the last 90 days, David Hansen, iAGRI Program Coordinator, and Mark Erbaugh, iAGRI PI and Director of International Programs – The Management Entity (ME) - in Columbus, both visited the PMU during the term. In addition, David Kraybill, Project Director, and David Hansen visited Punjab Agricultural University to discuss placement of iAGRI-funded students.

Introduction

The overall purpose of iAGRI is to strengthen the training and collaborative research capacities of SUA and NARS. iAGRI is aligned with the themes and road map of the USAID Feed the Future Initiative and the Government of Tanzania Comprehensive African Agricultural Development Program Compact and the Agricultural Sector Development Plan. Major objectives, defined for iAGRI at its onset, are to:

- Establish a program of collaborative agricultural research with SUA and the Ministry of Agriculture, Food Security and Cooperatives (MAFC);
- Provide advanced degree training in agriculture for 120 Tanzanian graduate students (Ph.D. – 20; M.Sc. – 100);

- Strengthen the capacity of SUA to develop and implement instructional, research, internship, and outreach programs in agriculture; and
- Promote cooperation between SUA, U.S. universities, and global south universities.

iAGRI represents a partnership of SUA, MAFC, and the Ohio State University Consortium (OSUC), a group of six U.S. land-grant universities, including The Ohio State University (OSU) which is the lead institution, Michigan State University (MSU), University of Florida (UFL), Virginia Tech (VT), Tuskegee University (TU), and Iowa State University (ISU). The OSUC partners have many years of experience in human and institutional agricultural capacity development in Africa, including a history of collaboration with SUA and the Ministry of Agriculture, Food Security and Cooperatives in Tanzania. Other U.S. land-grant institutions and Global South institutions, such as Punjab Agricultural University (India), are affiliated entities also providing training and technical assistance inputs. RUFORUM was also invited to join the consortium and has been placing long-term degree students at its affiliated institutions in eastern and southern Africa.

iAGRI draws on successful development approaches to agricultural and nutrition research, extension, and education. It builds on experiences of participant institutions with the U.S. land-grant model. These approaches reduce training and technical assistance costs, increase program relevance to development needs, and engage stakeholders, including the private sector, NGOs and civil society representatives. The project design is responsive to Government of Tanzania and donor priorities.

Implementation Progress

The contents of this report are consistent with the current Annual Work Plan for Year IV of the project (October 1, 2013 – September 30, 2014) which included a description of implementation activities for this period. In order to conform to a request from USAID/Tanzania, we have categorized them using the Intermediate Results (IR) activities identified by USAID for its Feed the Future Initiative.¹ The report draws on topics from the Performance Management Plan (PMP) prepared for the USAID Mission in Tanzania. We are making good progress in meeting iAGRI objectives.

The project has five activity domains associated with it. One of them is project administration which is discussed after the Intermediate Results section. Project administration activities are essential to ensure success in meeting Intermediate Results objectives. iAGRI's four other activity domains are then addressed under Intermediate Results categories.

Intermediate Results – In this section, we provide information on major project activities. They are organized to be consistent with Intermediate Results for the USAID/Tanzania Mission Monitoring and Evaluation Plan and the PMP prepared by iAGRI at its onset.

IR 1 – Improved Agricultural Productivity (Part 1 – Training)

- i. **Long Term Graduate Degree Training** – Following the precedent set in recent Quarterly Reports, this section deals with the four cohorts of student participating in the iAGRI graduate degree training program. Members of Cohort I initiated M.Sc. training at OSUC member institutions in 2011 shortly after iAGRI was initiated. Members of Cohort II initiated their training in 2012 and

¹ Refer to this Annual Work Plan which is found in the Annex II to this Report.

include M.S. and Ph.D. candidates who initiated training at OSUC member institutions; and M.S. and Ph.D. students who initiated their training at SUA and at other African universities under a subcontract with RUFORUM. It also included 10 students from Zanzibar who initiated B.Sc. degree training at Sokoine University of Agriculture. Cohort III includes 10 M.Sc. students who initiated their training at OSUC Consortium partner institutions in 2013, 10 M.Sc. students who were placed in graduate programs by RUFORUM at its member institutions, four M.Sc. students who were placed at SUA, and two M.Sc. students who began studies at Punjab Agricultural University (PAU) in India in 2013. Cohort IV will consist of approximately M.Sc. 42 additional students, at least 17 of whom will be placed at OSUC member institutions and five of whom will be placed at PAU. It also includes 10 students to be placed by RUFORUM at its member institutions and nine students to be placed at SUA.

- ii. **Cohort IV Candidate Selection** – Placement of Cohort IV students is proceeding on schedule. Thirty-two students took the TOEFL exam in January. Of these, six scored above the threshold required by most graduate schools in the U.S. for unconditional admission. Twelve students retook the test in March and we are waiting their test scores. Twenty-eight students took the GRE exam and we are waiting on their test scores. Once these are received we will contact OSU Consortium members regarding possible placements in their respective programs. Candidates for placement in graduate degree programs by RUFORUM were also identified, as were those for placement at PAU. David Kraybill and David Hansen visited India in March to discuss placement of students at Punjab Agricultural University with the Indian Council on Agricultural Research and PAU staff and administrators.

The ME contracted with Franklin University in Columbus, Ohio to provide the GRE and TOEFL training for Cohort IV candidates interested in pursuing degrees in the U.S. Student evaluations of the program provided by Franklin indicate that they were generally pleased with the training provided. Students were required to travel to Nairobi in order to take the GRE exam because the exams were not offered in Tanzania. The PMU arranged the required travel and accommodations.



An iAGRI scholar semi-finalist participates in a TOEFL workshop in Morogoro in January.

USAID/Tanzania has approached iAGRI about the possibility of placing another 15 students as part of Cohort IV. Following up on this, the PMU agreed to undertake this activity with the proviso that the activity be approved and funds allocated for it by May. It is felt that placement after May, especially at OSUC institutions will not be possible given the time and effort it takes to place students. Some additional students may be required to take TOEFL and GRE exams and special requests will need to be made to partner institutions about placement since this activity will not fall within their standard admission procedures which dictate that fall admission decisions be made in late winter/early spring.

iii. **Cohort III Candidate Progress** – The Management Entity has monitored progress of the 10 students in this cohort at OSUC partner institutions. Students are currently enrolled in their second semester of studies. We have encouraged them to select their research topic and begin writing their proposal for the research they will pursue once they return to Tanzania this summer. We have also encouraged them to identify Tanzanian Co-Advisors for their thesis research and to begin to interact with them about their field studies. RUFORUM has reported satisfactory progress of its Cohort III students. It maintains contact with the PMU in Morogoro about the monitoring of their progress. SUA and the PMU training unit have reported similar results for students placed in its programs as part of Cohort III and the PMU continues to monitor the progress of SUA students.

iv. **Cohort II Candidate Progress** – The ME continued to monitor progress being made by students of Cohort II over the duration of the Quarter. MSc students in this cohort are currently in Tanzania conducting field work for their respective theses. The ME and the PMU facilitated communication between the students and their respective U.S. and Tanzanian advisors using Skype and other communication forms. Students continue to receive support from the PMU while they are conducting their thesis research. Several OSUC advisors visited their respective students in Tanzania over this reporting period; (1) Amy Simonne, University of Florida; (2) John Schueller, University of Florida; (3) Norma Dawkins, Tuskegee University; and (4) Karla Shelnut, University of Florida.

Cohort II Ph.D. candidates also continue to make progress in their formal studies at OSUC member institutions. Several students have returned to Tanzania to conduct preliminary work related to their Ph.D. theses. These include Kuruthumu Mwamenda and Winfred Mbungu, Virginia Tech. Winfred Mbungu was joined by his advisor, Conrad Heatwole, in Tanzania to work on his Ph.D. field research. Theodosy Msogoya, Co-Advisor for Ramadhan Majubwa, Ph.D. student, visited the University of Florida to work with Majubwa and his advisor, Steve Sargent, on his Ph.D. thesis.

v. **Cohort I Degree Progress** – Stanlaus Materu, University of Florida, defended his thesis in March while in Tanzania. Respikius Gabagambi, M.Sc. candidate at Ohio State University, is scheduled to defend his thesis in April. This will mark completion of degree training for Cohort I students.



Stanslaus Materu, seated in a room at iAGRI headquarters in Morogoro, defends his Master's thesis in an oral examination conducted via videoconference by his thesis committee at the University of Florida.

- vi. **Placement at Global South Institutions** – Students placed at Punjab Agricultural University in India are pursuing plant science and agribusiness degrees. They have made satisfactory progress in their programs over the past semester. The ME has been in touch with these students and their advisors and maintains updated information on their progress. Both students will complete their degree-related research in India. Hilali Saleh Hilali has initiated his field research on the effect of heat stress on rice. Emmanuel Lulandala will be working on an agribusiness case study in India as part of his M.Sc. degree.

David Kraybill and David Hansen visited India in late March to meet with staff persons at the Indian Council on Agricultural Research (ICAR) and PAU regarding the placement of five additional students this year. They will be placed in programs dealing with Food Science, Human Nutrition and Soil Science. Kraybill and Hansen spoke with ICAR officials to seek their permission to place students at PAU. At PAU, Kraybill and Hansen met with key administrators and with leaders of departments that will host these students. All expressed keen interest in having the students undertake their studies at PAU. Kraybill and Hansen also met with students currently at PAU and discussed logistical and other support concerns raised by the students.

- vii. **Leadership Webinar** – An iAGRI Leadership Fellows Seminar Series is being offered to students from Cohort I and II who are located in the U.S. and in Africa.² The course was developed by the Department of Agricultural Communication, Education and Leadership at Ohio State University. Twenty-four students are enrolled in it. It is focusing on the book, *Seven Habits of Highly Effective People*, by author Stephen Covey. The webinars are being prepared and delivered online by four OSU faculty members. Students completing the course will receive a certificate. The course is also an opportunity for members of these Cohorts to develop stronger interpersonal ties that will persist into their future careers. It is anticipated that the course will be offered again next year to students of more recent Cohorts. Additional webinar courses related to leadership are also being considered for iAGRI students.

² See Annex II for list of students enrolled.



iAGRI students in various locations in the U.S., Tanzania, and South Africa joined a live leadership webinar held bi-weekly over an 8-week period.

IR 1 – Improved Agricultural Productivity (Part 2, Collaborative Research)

- i. **Collaborative Research Program – Phase I** – Eight of the nine research teams originally approved through a peer review of proposals continued to advance their research during the quarter. PIs for the projects participated in a one-day workshop at SUA on January 15. The PIs gave progress reports on their research as well as reports on plans to be undertaken during the following six months. The workshop was also attended by Dr. David Hansen, the Coordinator of iAGRI at OSU. One of the research grants originally approved by iAGRI has been suspended. The PI for the project declared that he is unable to continue to lead it due to other commitments. An established researcher at SUA has volunteered to lead it and this is now being negotiated with other team members.

Presentations at the workshop in January indicated that not all projects had effectively engaged OSUC partners in the research process. The ME and PMU have been in communication with Co-PIs in Tanzania and the U.S. in this regard. Plans have been firmed up to ensure that substantive inputs are made by OSUC PIs over the coming months. These inputs include reviews of field research activities, support for field research, visits to Tanzania to collaborate directly on field research, and providing graduate students to participate in the research. Some OSUC PIs have purchased equipment to support the research being undertaken and they have also been providing laboratory analysis support that their home institutions.

- ii. **Collaborative Research Program – Phase II** – Progress has been made regarding the definition and initiation of Phase II of the Collaborative Research Program. This phase will address (1) key constraints encountered in the production of priority Feed the Future crops; (2) problems encountered by Feed the Future partners in Tanzania; and (3) greater direct involvement of OSUC researchers in the definition and implementation of projects. The iAGRI Management Team identified these priorities because it believes that they will facilitate greater relevance of projected research to meeting the goals of the USAID Tanzania Mission Feed the Future program.

We agreed to allocate substantial resources to research priorities listed in the following table:

<u>Topics to be Addressed</u>	<u>Amount</u>
Maize value chain constraints	\$500 K
Horticulture/drip irrigation	\$200 K
Rice marketing and pricing policy	\$100 K
Climate change	\$100 K
Risk and agriculture	\$100 K
Cassava	\$100 K
Seed technology	\$100 K

An experienced Tanzanian research scientist was commissioned to prepare a background paper relevant to maize production in Tanzania with a focus on maize value chain constraints identified by the NAFKA project, a Feed the Future project managed by ACIDI/VOCA. A background paper was prepared by the consultant and shared with selected maize researchers at Iowa State University (ISU), an OSUC member.³ We anticipate that one or more scientists at ISU will be involved in this research as well as Tanzanian scientists, and we expect to receive a proposal from them during the following quarter.

Regarding drip irrigation, we have explored active involvement of several faculty members from the University of Florida in this project. Prof. John Schueller, an agricultural engineer from the main campus at Gainesville, has expressed an interest in becoming involved in it. Prof. Brian Boman, University of Florida, Fort Pierce, has also expressed an interest in the project. He has prior experience working with water user associations in Tanzania.

Rice marketing and differential pricing is a major concern in Tanzania. iAGRI is working with SERA, another Feed the Future partner, on this issue. Edith Lazaro, M.Sc. candidate in agricultural economics at OSU, is conducting her field research on rice pricing. She is being allocated additional funding to undertake related field work. Abdoul Sam, an agricultural economist at OSU, will be traveling to Tanzania at the end of April to work with Edith on further elaboration of her study.

Preliminary contacts have been made with a researcher at the Michigan State University to develop a project at SUA in the area of climate change. Further follow up on this topic will occur over the coming three months.

In an attempt to build stronger ties between SUA researchers and private sector organizations, we hope to support research on cassava production and utilization and seed technology. Development of specific topics for research will involve both research scientists at SUA and private sector representatives. Contacts have been made with potential partners from the U.S. and

³ C.A. Kuwite, "Maize Research in Tanzania with Focus on Drought Tolerance, Striga and Stem-borer Control: An Analysis of Current Knowledge, Research Gaps and Recommendations for a Research Agenda." iAGRI, March, 2014.

multinational firms. This is part of a broader iAGRI initiative to create public-private sector partnerships for SUA.

- iii. **Student Summer Research Interns** – Following up on last year’s successful summer research internship program, the ME is again offering opportunities for graduate students to spend the summer in Tanzania. This project is funded by OSU with iAGRI providing cost share through logistical support. Plans have been made for OSU to send several students who had internships in Tanzania last summer to return again to assist on some of the collaborative research projects currently in the field. They will continue their work with Prof. Didas Kimaro and Dr. Nyambilila Amuri on projects in northern Tanzania. One of these students will be in Tanzania for a year with funding from the Borlaug Research Program. Several new students have applied for this program at OSU and will also be programmed to undertake internships this summer.

IR 3 – Enhanced Human and Institutional Capacity Development for Increased Sustainable Agriculture Sector Productivity

Strengthen Capacity of SUA – Long-term degree training and collaborative research are major components of the plan to strengthen the capacity of SUA to better serve the interests of its stakeholders, including farmers, agribusinesses, government entities, non-government organizations, and students. However, attention is also being given to strengthening the organization, leadership and technical capacity of SUA to serve their needs. This dimension of the program will continue to receive greater attention.

- i. **Implementation of Gender Development Plan** – iAGRI continues to emphasize the importance of addressing gender issues on the SUA campus. Dr. Carolyn Nombo, PMU staff member from SUA, is the point person for this activity. Over the past three months, the PMU received three reports from the Gender Policy Implementation committee. They dealt with (a) engendering research training; (b) Integrating gender into SUA policies and guidelines dealing with health policy, research policy, guidelines and regulations, and admission requirements and examination regulations and guidelines for undergraduate and non-degree programs; and (c) school visits.
- ii. **Mentoring at SUA** – The PMU has evaluated the results of an initial workshop on mentoring. It is in the process of determining how to follow up on this workshop. During the past three months, the PMU conducted a short-term training session on scientific writing, including how to organize a report, thesis or dissertation for mentees in the program. Another workshop dealing with research proposal writing is planned for mentees for the following period. iAGRI staff has also worked with mentees in the program to establish a website for the mentoring program to encourage additional sharing of resources and networking.



iAGRI Director, Dr. David Kraybill, teaching SUA Mentoring Program participants how to write research proposals.

iii. **University Leadership/Change Management** – Change Management/Leadership Consultant, Steve Bosserman, made two trips to SUA during the period. While on campus he worked with PMU staff and SUA staff. Bosserman introduced an “administrative dashboard” for PMU staff to use in monitoring and evaluating the rollout of the leadership development/change management strategy underway at SUA. The dashboard tracks activities in six key domains:

1) **Sustainability Leadership/Quality Management Training:** iAGRI outlined a training program for all levels of SUA administration in quality management, focusing on four technical areas: project management, asset management, auditing, and procurement. These learning modules specify behaviors for administration that promote excellence in performance per ISO 9001 standards and establish guidelines for internal and external relationships consistent with principles of social responsibility as outlined by ISO 26000. To facilitate the onboarding process for administrators whose appointments take effect in July 2014, one of the modules will cover basic expectations about how administrators should exercise their roles and responsibilities within the culture of SUA as a 21st university. Online learning modules and intensive, ongoing implementation support will be introduced during 2015. This effort is an integral part of the proposal to the USAID-Tanzania Request for Revised Application (RFRA) in response to the January 2012 risk assessment report by Deloitte.

2) **Sokoine University Graduate Entrepreneurs Cooperative (SUGECO):** iAGRI finalized a two-year operating budget and completed, approved, and posted position descriptions for an Executive Director and Operations Manager. When those positions are filled, SUGECO will have the capacity to sustain its basic programs in skills training, proficiency certification, and business incubation for entrepreneurs and expand its reach by developing its capability to provide consulting services to other universities or to communities about how to set up their versions of the SUGECO model.

3) **Sokoine University Academic Staff Association (SUASA):** iAGRI facilitated the Executive Committee in the development of a strategic framework for the organization that clearly articulates a set of strategic intents which defines their role in supporting SUA on its path to become a 21st century university. Moving forward, SUASA members will have the opportunity to promote and actively participate in the implementation of training programs that are part of the

leadership development/change management strategy. This demonstration of support will help SUASA confirm its relevance, convene forums with agendas that can influence SUA's administration to make a positive difference, and inspire a wider population of academic staff members to engage in communication, learning, and adaptation activities that increase their effectiveness now and well into the future.

4) **Convocation of Sokoine University of Agriculture:** iAGRI facilitated the development of a plan to address objectives elaborated by the Executive Committee for Convocation (ECC). The ECC is constructing a database containing names and contact information of alumni. Given that Convocation on November 27, 2014 will mark the 30-year anniversary whereby SUA started conferring degrees, the goal is to have as many alumni as possible in attendance to celebrate the occasion.⁴ The ECC has invited Andy Gurd, Chief Operating Officer for the Ohio State Alumni Association, to visit the SUA campus, interview current and future (students) alumni, and meet with the ECC to develop and initiate a communications and engagement strategy that reaches a majority of alumni and lays the groundwork for mutually-beneficial relationships that extends throughout the lives of the alumni.



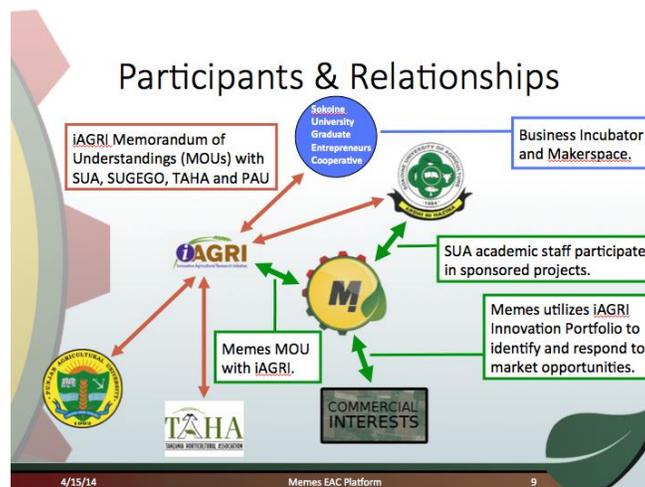
Members of the Sokoine University of Agriculture's Convocation (Alumni) Executive Council meet via Skype with Andy Gurd, Chief Operating Officer of the Ohio State University Alumni Association, to discuss a visit Gurd will make to SUA in May to assist in developing alumni activities.

5) **Climate Change Conference:** iAGRI is working with SUA and Norwegian partners to co-sponsor a second climate change conference. The goal is for SUA to build its reputation as a research institution that can convene conferences on topics related to the disciplinary scope of its faculties and draw widespread participation from public, private and voluntary sector entities worldwide, but with special relevance for those located in African and Global South countries. In a statement of support, SUA administration appointed Prof. Theodosy Msogoya to co-chair the planning committee for the conference along with iAGRI Project Director David Kraybill. Through their moderation and input from committee members, the conference agenda will focus on clarifying climate change issues in ways that incentivize the private sector to develop and deliver solutions of value in the market and with respect to the public good. Such a design will prompt attendance by a diverse audience and create opportunities for them to form public-private partnerships and

⁴ From 1972 to 1983 students undertaking their studies in agriculture on the Morogoro campus received degrees from the University of Dar es Salaam.

sponsor collaborative research projects that draw participation from academic staff at SUA and other African / Global South universities.

6) **iAGRI-SUA Innovation Portfolio:** iAGRI supported further development of the iAGRI-SUA Innovation Portfolio. Activities occurred in seven main areas: a) designing the website (iAGRI website built on a Google Sites platform); b) developing online content such as researcher resources, researcher stories, preliminary statements of work (pre-SOWs), and a pre-SOW submission form; c) creating Terms Of Service (TOS) for users; d) defining clear steps in a consistently applied “innovation process” that prompts the submission of ideas by people from all walks of life and locations and encourages their flows from inception to sponsorship; e) delivering learning modules for all steps in the “innovation process” such that innovators have the confidence to use the process for personal gain and mutual benefit; f) linking to value exchange platforms that enable innovators and sponsors to invest different types of capital in the development of pre-SOWs, the negotiations that lead to their conversion into funded Statements of Work (SOWs), and the allocations of gains that result from successfully completed SOWs.



- iv. **Extension Personnel Visit to U.S.** – Anne N. Assenga, Director of Training Institutes, MAFC, Joyce K. Mvuna, Assistant Director Agricultural Extension, MAFC, and Catherine P. Msuya, Head Department of Agricultural Education and Extension (DAEE), Sokoine University of Agriculture visited the OSU campus in January. The purpose of the visit was to strengthen linkages between MAFC and SUA in order to enhance the quality of extension service delivery in Tanzania. The visitors prepared a report that included a series of recommendations for future action. Among them are (a) curriculum review at the Ministry Agricultural Training Institutes (MATI) and at DAEE; (b) revitalization of the Tanzanian Society of Agricultural Education and Extension in order to strengthen ties between DAEE and various elements of MAFC extension; (c) needs assessment for training of extension workers in the field with service training to be provided by DAEE; (d) creation of advisory committees for extension offices consisting of various stakeholders; (e) strengthening linkages between training, research and extension within MAFC; and (f) review of application of a Communication for Development program in Tanzania.

- v. **SUA Website Renovation** – A Scope of Work for a member of staff from the OSU Consortium to conduct a website needs assessment at SUA has been prepared and disseminated to consortium member institutions. It is anticipated that a consultant will be in Tanzania for a period of at least two weeks to review the current website and to conduct a needs assessment for a redesign of the website. This person will work closely with PMU and SUA staff persons. SUA and iAGRI understand the importance of first conducting a comprehensive website needs assessment to determine the content, functionality, navigation, and design that the students, academic staff and other stakeholders desire. The consultant will also conduct a website content audit and analysis to help identify the content currently on the website and to determine which content should be kept, modified, or discarded based upon the website needs assessment. The website needs assessment and content audit and analysis will drive the development of an RFP for a new website to be built and launched in 2014/2015.
- vi. **Short-Term Training** – The iAGRI short-term training committee identified a number of training needs to be addressed through the end of the fiscal year based on feedback from SUA staff and students. Trainings will be conducted on (a) use of statistical analysis packages, specifically SPSS 16; (b) qualitative research methods; (c) evaluation research; and (d) proposal writing. The Management Entity will identify staff members from OSUC institutions to provide this training during the coming six months.
- vii. **Visits by OSUC Advisors to SUA** – Over the course of the quarter, several visits were made to SUA by advisors of Cohort II U.S.-based iAGRI students. While at SUA they worked with the students and their counterparts on the student thesis research. Several also presented seminars to academic and research staff and graduate students. Details related to each of the visits, including student advisees and seminar topics, are presented below:
- Conrad Heatwole, Virginia Tech – To work with Ph.D. student, Winfrid Mbungu, and with Co-Advisor, Henry Mahoo;
 - John Schueller – To work with M.Sc. student, Kadege Fue, and with Co-Advisor, Siza Tumbo; and to present a seminar on “Spatially-variable control of crop production”;
 - Norma Dawkins, Tuskegee University – To work with M.Sc. student, Neema Shosho, and with her Co-Advisor, Peter Mamiro and to present a seminar on “Chemo-preventive implications of Portluca Oleracea”;
 - Amy Simonne, University of Florida – To work with M.Sc. student, Mariam Marianda, and with Co-Advisor, John Msuya and to present a seminar on “Integrated Food Safety and Quality Research Program: What does it take to make a difference?”;
 - Karla Shelnutt, University of Florida - To work with M.Sc. student, Mariam Marianda, and with Co-Advisor, John Msuya and to present a seminar on “The role of folate in health pregnancy.”



Karla Shelnutt from the University of Florida gives a guest lecture on the importance of folate in a mother's diet during pregnancy. Dr. Shelnutt is the academic co-advisor to iAGRI-sponsored student, Mariam Marianda.

- viii. **Private Sector Linkage Development** – A final draft of an iAGRI-sponsored report on private sector linkages was received by the PMU. It will be circulated to various stakeholders and will be posted on the iAGRI website.

The PMU continues to interact with TAPP, TAHA and SUA about how to increase commercial agriculture collaboration between them and their clients with special reference to horticulture. A proposal on this topic has been prepared by Prof. Msogoya and comments on it have been received from TAHA and TAPP. The expected outcome of this activity will be for SUA to develop a two-acre commercial horticulture farm on the SUA campus as a demonstration for growers and other agribusiness representatives to receive training at SUA. An agreement involving TAHA, TAPP and SUA regarding this activity is expected to be signed in April.

- ix. **Sokoine National Agricultural Library** – Training continues on the use of LibHub, an online platform that allows users to search and download up-to-date research publications. This program was introduced by iAGRI through USAID sources. More than 440 participants completed training during the quarter. Since the start of the training program, downloads have increased more than tenfold and more than 1,600 unique remote sessions have been logged. Getting graduate students registered under SUA's electronic student records database – a requirement for using remote access – remains a challenge, but the Directorate of Research and Postgraduate Studies and the Computer Centre are working on the issue. Library staff members are incorporating several additional resources into the LibHub system and have given particular emphasis to TEEAL resources.



A library staff worker explains the use of LibHub, an online platform for searching and accessing scientific literature, at Sokoine National Agricultural Library (SNAL) on SUA's campus.

- x. **Statistical Collaboration Laboratory** – iAGRI continues to support development of a statistical support laboratory for researchers at SUA. A proposal was developed by SUA staff for this entity. It was discussed with key leaders at SUA and subsequently presented to the SUA Post-Graduate Studies Committee and the Committee of Deans and Directors which endorsed it. Plans are being made for Prof. Kazuzuru from SUA to spend several months at Virginia Tech with Dr. Eric Vance and his associates at a similar laboratory (LISA).

IR 8 – Improved Enabling Policy Environment for both Agriculture and Nutrition

- i. **Agricultural Policy Seminar Series** – Four teams that had received research funding from iAGRI for agricultural policy research have provided final reports for their research. Inputs have been received from Dr. Luther Tweeten at Ohio State University regarding the potential to develop policy briefs from two of the studies, namely early child nutrition and cashew nut marketing. Prof. Gilead Mlay has been tasked to write policy briefs on three of the research topics, beginning with cashew marketing.

Tripartite SUA/U.S./Global South Cooperation – One of the major objectives of iAGRI is to strengthen SUA linkages with other Global South institutions. These activities are designed ultimately to improve agricultural productivity in Tanzania through accessing appropriate agricultural technologies, research practices, and related policies. Building long-term collaborative linkages supports these technology transfer processes.

- ii. **Utilize RUFORUM to Place Trainees** – OSU continues to work directly with RUFORUM to facilitate the placement of iAGRI students at RUFORUM member institutions. RUFORUM is in the process of placing 10 additional students who are members of iAGRI Student Cohort IV. RUFORUM is responsible for overseeing the progress of these students in their respective degree programs and ensuring that they complete their degrees. The latter includes attention to the completion and presentation of graduate student research. Thus far, RUFORUM has placed students at Stellenbosch University, South Africa; Lilongwe University of Agriculture and Natural Resources, Malawi; University of Nairobi, Kenya; Egerton University, Kenya; Jomo Kenyatta University, Kenya; University of Zambia; and Makerere University, Uganda.
- iii. **Placement of Students at Non-African Global South Institutions** – The ME together with PMU leadership, has negotiated the placement of five additional graduate students at Punjab Agricultural University. These placements will facilitate collaboration between SUA staff and staff of PAU, initially through the joint advising of the students involved. Students will also be exposed to technologies, products and processes that are appropriate to the Indian context and potentially of value to Tanzania.

Project Administration

Major project administrative activities that support accomplishment of the project objectives as reflected by the intermediate results are discussed below.

- i. **Update Data for the Management and Evaluation (M&E) Plan** – The PMU continues to update data for the M&E Plan. PMU staff members have coordinated this activity with The Mitchell Group (TMG). Staff members review relevant data to ensure that they meet the reporting needs for the project and for the overall Feed the Future USAID Mission portfolio. Flavianus Magayane, PMU staff person, is responsible for collecting the required data as well as updating the M&E system for iAGRI. Data for relevant indicators for this reporting period are found in the Annex.
- ii. **Collaboration with FTF Partners in Tanzania** – iAGRI continues to work with FtF partners in Tanzania to identify points of collaboration. The collaboration focuses on assisting them to address constraints they face in carrying out their programs. During period covered by this report, iAGRI collaborated with NAFKA to identify major problems and constraints in the maize value chain. iAGRI is designing a Collaborative Research II project to address these issues.⁵ It will engage OSUC and Tanzanian scientists. Similarly, it will promote research projects dealing with drip irrigation that will provide results of potential use by TAPP⁶ and rice marketing that will involve SERA on rice trade policy issues.⁷ iAGRI will also continue to seek other ways to address partner needs.
- iii. **Project Updates for FTF Partners in Tanzania** – In an effort to keep stakeholders in Tanzania informed about the activities being undertaken by iAGRI, the PMU prepared a tri-monthly iAGRI Project Update. This publication summarized major activities undertaken in Tanzania.⁸
- iv. **Project Updates for U.S. Partners** - Updates were prepared by the OSU Management Entity to report on iAGRI activities, including those undertaken in the U.S.⁹ These updates are disseminated to a wide audience on the OSU campus, as well as to OSU Consortium partners and Washington, D.C. entities, including the USAID Bureau for Food Security and BIFAD.
- v. **ME Staff Visits to SUA** – Mark Erbaugh, iAGRI Co-PI, visited the project in March. He was accompanied by Scott Shearer, Chair of the Department of Food, Agricultural and Biological Engineering at OSU. Together they explored opportunities for U.S. firms to become engaged in research and development activity at SUA. This was part of iAGRI efforts to develop closer linkages with the private sector as part of the Innovation Portfolio. Steve Bosserman, private sector consultant, was involved in these activities. David Hansen, iAGRI Project Coordinator, also visited the PMU during this period. His visit focused on supporting the process of identifying and placing students for Cohort IV; the workshop held for PIs for the Collaborative Research Projects developed under iAGRI; and the identification and provision of short-term technical assistance under the project.
- vi. **Weekly Joint Video Meetings of PMU and ME Staff** – In order to facilitate coordination of project activities, the PMU and ME staff have held weekly video conferences at which they discuss project

⁵ This activity will involve a team of researchers at Iowa State University, a member of the OSU Consortium.

⁶ Contacts have been made with several researchers at the University of Florida about this research activity.

⁷ Several marketing researchers at Ohio State University have been working with SUA staff on this topic.

⁸ See Annex II for a January-March update.

⁹ Copies of recent project updates are found in Annex II.

issues and concerns, as well as ongoing activities. These meetings have improved project management efficiency.

- vii. **Coordination Meetings with SUA** – Members of the PMU are in continuous direct contact with the SUA leadership team, including the Faculty of Agriculture. These meetings are important to ensure that iAGRI inputs are responsive to the needs of SUA and that they do not conflict with other ongoing programs at SUA.
- viii. **Research Innovation Portfolio** – iAGRI has developed a portfolio of 15 proposed research projects aimed at attracting external sponsored research funding. The projects in the portfolio complement research that is currently being carried out by iAGRI-funded students and iAGRI-funded collaborative researchers. Projects are selected because of their potential to attract interest and support of sponsors from the private, public and voluntary sectors. The goal of the portfolio is to commercialize the research of iAGRI students and collaborative researchers and to attract new sources of funds for research at SUA. iAGRI is now marketing the innovation portfolio to private firms and NGOs in Tanzania and abroad.
- ix. **iAGRI Stories Website** – In an effort to disseminate more broadly the activities and achievements of iAGRI, the PMU arranged for a photographer/journalist from the University of Florida to spend time at SUA writing stories about iAGRI-funded students and their graduate degree programs. The result is that there is a new section in the iAGRI website that features iAGRI students, researchers, and training events and their impact on food security in Tanzania. The stories can be viewed at <http://stories.iagri.org/>.
- x. **Amendment to iAGRI Cooperative Agreement** – The cooperative agreement between USAID/Tanzania and OSU is in the process of being amended. The amended version will extend the life of the project for one year and will add another \$1.5 million to the agreement. Additional activities being negotiated through this amendment include training at SUA to address concerns raised in a Deloitte audit of the university's administrative activities, additional long-term graduate degree training, and additions to the building being used by the PMU at SUA.

Activities Implemented in Zanzibar

Three major training activities have been implemented related to Zanzibar. The M.Sc. degree training has been completed.

- i. **Ph.D. Degree Training** – Omari Haji Ali, is a Zanzibari PhD student in Cohort II. He has been taking classes at SUA for the past six months. During that time he has prepared a draft for his Ph.D. dissertation. He will be formally admitted into the Ph.D. program once his draft proposal has been approved by the respective SUA graduate study committees.
- ii. **M.Sc. Degree Training** - Asma Gharib, who completed her M.Sc. degree at the University of Florida, is now back in Zanzibar working for the Ministry of Agriculture and Natural Resources. We look forward to placing more M.Sc. students from Zanzibar in the future.

- iii. **B.Sc. Degree Training of Students from Zanzibar** – iAGRI converted two M.Sc. degree training slots into 10 undergraduate degree slots at SUA that were reserved for students from Zanzibar. This decision was taken because of a dearth of students from Zanzibar with qualifications to pursue graduate degrees. It was anticipated that some of these students might be qualified to undertake graduate degree training upon graduation from SUA. Three of the ten students continued their studies at SUA during the past three months but, unfortunately, seven of the ten were terminated by SUA because of academic failure.

Key Achievements

- i. **Placing Additional Students in Graduate Degree Program** – Over the past three month period, iAGRI has identified a total of up to 57 students for placement in graduate degree programs in 2014. They include an additional 15 students that will be funded by USAID through an amendment to the original Cooperative Agreement. We hope to place up to 27 of these students at OSUC member institutions and have prepared dossiers for these students for distribution to potential host institutions. RUFORUM will be responsible for placing another 10 candidates at its affiliated institutions. SUA will accept up to 15 additional students. Five students will be placed at Punjab Agricultural University in India. Ultimately, this will bring the total number of students placed in graduate degree programs to 139. Approximately half of these students are women.
- ii. **Researching Food Security Constraints** – Progress is being made regarding the conduct of the nine collaborative research projects funded under iAGRI. At a workshop held at SUA in January, PIs for these research projects reported on their progress. The projects are being carried out by research scientists from SUA, MAFC and OSUC institutions. All of the projects have now benefitted from direct participation by OSUC scientists. The projects address major constraints to food security in Tanzania. In the first year of the project (2011), a needs assessment identified areas for which major constraints and information gaps were identified through commissioned papers. Progress has also been made regarding the initiation of a second phase of research projects that focus on food security constraints in Tanzania, including those related to the maize value chain, water use in horticultural production, and rice marketing policy. These research initiatives will take advantage of specific pockets of expertise found at OSUC member institutions, as well as at MAFC research institutes and the SUA campus.
- iii. **Accessing Scientific Literature** – The Tanzanian National Agricultural Library, located at SUA, now facilitates access to world-class scientific literature in all academic disciplines relevant to students and staff. iAGRI has worked with the library to access several important related resources, namely, (a) a web portal called LibHub through which library patrons can access thousands of scientific journals at no cost to the users; (b) an electronic search tool called Kiox that allows users to search a large number of journals for papers about topics of the user’s choice; and (c) server software that has enabled the library to make LibHub and Kiox available to users when they are off campus. Indications are that many researchers that use the library system are availing themselves of the off-campus access service.

- iv. **Creating an Innovation Portfolio** – iAGRI has established a portfolio of proposed research projects which currently contains 15 preliminary statements of work (Pre-SOWs). The portfolio is available to private, public and voluntary sector interests both in Tanzania and internationally and has been created primarily to attract outside funding for research by SUA staff and students. The research projects are versions of research currently being undertaken by SUA and MAFC research staff and graduate students within the iAGRI program. The portfolio is designed to commercialize the research of iAGRI students and collaborative researchers. This portfolio is now being marketed to private firms and NGOs in Tanzania and abroad. It represents an important effort to strengthen linkages between SUA and the private sector. The portfolio has been vetted with SAGCOT in an effort to strengthen SUA’s participation in the SAGCOT initiative.

Problems and Challenges

- i. **Delay in Signing of USAID Direct Grant to SUA** – The continuing delay in the signing of the direct grant to SUA for upgrades in the university’s Internet and computer facilities is a major disappointment. In September, 2011, the Deputy Administrator of USAID visited SUA and announced a \$1 million grant for the university. Nearly two and a half years later, the grant has not yet been signed as the Mission attempts to work out contracting modalities and details. The delay has been deeply frustrating to officials at SUA and to the staff of iAGRI. We had intended to utilize the new equipment and facilities in our teaching and research related capacity building activities at SUA. The iAGRI Project Director continues to provide advice to both parties, USAID and SUA, on ways to overcome the several delays facing the take-off of the grant.
- ii. **Delays in SUA Staff Assignments for Capacity-building Initiatives** – SUA top administration submitted a proposal to iAGRI in 2012 for assistance in capacity building related to teaching. Consequently, iAGRI agreed to assist the university in establishing a classroom services unit, installation of computer projectors in classrooms, revitalizing a program of workshops on teaching methods, and creating a teaching assistant program. SUA assigned its Quality Assurance and Promotion Bureau (QAPB) the responsibility of carrying out these capacity building activities. However, QAPB is seriously understaffed. It has one part-time staff member, an Administrative Assistant, and the work of the unit is done mainly by two senior professors who have a full load of professorial and other duties. Additional staff persons are needed in QAPB for the new activities to be sustainable, so iAGRI has agreed to fund a full-time Administrative Officer for a period of one year to spearhead implementation of QAPB activities. Candidates for the position have been identified and interviewed, and it is expected that the Administrative Officer will assume duties in the coming quarter.
- iii. **Lethargy in Gender Policy Implementation Committee at SUA** – Shortly after its inception, iAGRI decided that its gender-related activities should be undertaken in collaboration with SUA’s Gender Policy Implementation Committee (GPIC). iAGRI’s Gender Specialist met with GPIC and together they developed a proposal consisting of five distinct gender-related activities. iAGRI released funds but GPIC has been very slow in implementing activities, preparing reports, and accounting for cash advances. iAGRI staff have met numerous times with GPIC but the delays continue. As a way to circumvent this situation, iAGRI in collaboration with International Livestock

Research Institute (ILRI) gender unit is contemplating creation of a gender-based community of practice group at SUA. Members will be involved in a variety of activities geared towards uplifting gender mainstreaming at SUA, including several gender capacity building activities.

Planned Activities

- i. **Training** – The ME, in collaboration with the PMU, is in the process of placing an additional 57 students in Master’s programs during the coming six months. This number includes an additional 15 students which the USAID/TANZANIA mission has requested that iAGRI place in degree programs in 2014. iAGRI will seek to place 27 of them at OSU Consortium partner institutions; 10 by RUFORUM at its member institutions; 14 of them at SUA; and 5 of them at institutions in India. The progress of Cohort II and III students currently undertaking classroom studies will continue to be monitored by iAGRI, and M.S. students from Cohort II will continue their thesis field research. All students from Cohort I will have completed their degree programs. Related to these training efforts, several Ph.D. co-advisors from Tanzania will visit with Ph.D. students and their U.S. advisors in the U.S. in the next quarter. The primary purpose of these visits will be for the trainees to define their research topics and field research programs. And several of the Ph.D. students may return to Tanzania to work on their dissertation research.
- ii. **Collaborative Research** – As discussed in another section of this report, three major collaborative research activities will be undertaken during the following period. Principal investigators for the nine funded collaborative research grants will continue their field activities. One of these projects had been delayed because of changes in leadership. It will have a new PI and move forward with field research over the coming period. iAGRI will also implement a phase II collaborative research program with a focus on maize value chain issues, drip irrigation for horticultural producers, and rice marketing. Policy briefs will be developed from research conducted over the past two years on policy topics as part of the Agricultural Policy Seminar Series.
- iii. **Capacity Building** – iAGRI will continue to build capacity at SUA. This will include investments in processes and infrastructure to strengthen teaching and research. Investments will be continued in key programs such as soil and water, horticultural crops and SUGECO, and investments designed to strengthen the capacity of SUA leadership to address contemporary problems it faces through improved organization and change management. Training programs on quality management for SUA administrative staff, in response to management deficiencies identified by Deloitte in a USAID-sponsored audit, will be initiated. Bosserman & Associates will continue to play a major role in these activities.
- iv. **Focus on Fostering Private Sector Linkages** – iAGRI will continue to work with SUA to strengthen its linkages with the private sector. This activity will increase services provided by SUA to its stakeholders while increasing support for the university from the international and Tanzanian private, public and voluntary sectors. Initially, the focus of this increased interaction will be on applied research aimed at commercialization, assuming that private sector firms will be willing to pay for focus knowledge that helps them address their production or marketing problems. SUA has a large reservoir of research expertise in the agricultural sciences. It is a matter of directing

this capacity to meet the needs of private-sector stakeholders. This activity is part of the change management initiative of the iAGRI program.

- v. **Focus on Leadership Development** – Leadership development at SUA has become a major focus of iAGRI over the past six months. We will continue to give priority to the activity, working with the top and middle management at SUA on issues of change management and implementation of SUA’s strategic plan. Major inputs to this activity will be made by the iAGRI Project Director, David Kraybill, and Management Consultant, Steve Bosserman.

- vi. **Focus on Degree Program Strengthening** – iAGRI will continue to work with RUFORUM to define ways to strengthen the Soil and Water Management graduate degree program at SUA. RUFORUM is committed to improving the curriculum of this program so that it emerges as a regional center of excellence. iAGRI will provide financial support for this effort and will seek to involve soil and water scientists from its OSUC partner institutions in the process. In addition, it will work directly with the Department of Soil Science at SUA to strengthen its soils laboratory through the purchase of new equipment, thus enabling it to provide better soil analysis services to the commercial horticulture industry, researchers, and development agencies.

- vii. **Focus on Extension Strengthening** – iAGRI will provide support for leaders of the Tanzanian extension system, including the Department of Agricultural Education and Extension at SUA, the Ministry of Agriculture, Food Security and Cooperatives and the Local Government Authority to collaborate with OSUC partner institutions in reviewing the performance of this system in Tanzania and in programming subsequent activities to strengthen it. The focus will be on how to strengthen collaboration between SUA and the national extension system. It will concentrate on how to strengthen the inputs being made to the agricultural sector by the national extension system through training provided by the Ministry of Agriculture Training Institutes and translation and transfer of research by MAFC scientists into outreach programs.

Cross Cutting Topics

A number of the issues to be addressed over the coming three months are cross cutting topics.

- i. **Gender** – Continued efforts to mainstream gender issues in SUA’s programs, policies, and procedures and to enhance the opportunities and experiences of women on campus;

- ii. **Climate Change** – Programming of a second climate change conference for early 2015, emphasizing the role of the private sector in mitigating climate change impacts on agriculture as well as helping the sector adapt to them; and

- iii. **Private Sector** – Improving SUA’s linkages to the private sector and to other stakeholders outside of the university environment, including its alumni and NGOs engaged in promotion of rural development and food security.

Financial Summary

As per the Cooperative Agreement between USAID and The Ohio State University, project finances are reported on a quarterly basis using Federal Financial Form (SF-425). The accumulated expenditure from inception of the project to the end of the current reporting period (March 31, 2014) is \$7,428,137. The total expenditure for the current reporting period is \$1,298,827. The planned monthly expenditure for the next quarter, Quarter 3 of FY 2014, is \$1,605,990. Projected expenditures by the end of next quarter will be \$9,034,127.

Annex I: Matrix of Performance against PMP Indicators

Indicator Data / Disaggregation	FTF INDICATORS								
	Baseline Value	2014 Target	Achieved to date	Q1	Q2	Q3	Q4	LOP - Life Of Project	Units
IR 1: Improved Agricultural Productivity / Sub IR 1.1: Enhanced human and institutional capacity development for increased sustainable agriculture sector productivity									
4.5.2-6: Number of individuals who have received USG supported long-term agricultural sector productivity or food security training	0	31	0					129	Number
Male	0	16	0						
Female	0	15	0						
IR 1: Improved Agricultural Productivity / Sub IR 1.1: Enhanced human and institutional capacity development for increased sustainable agriculture sector productivity									
4.5.2-7: Number of individuals who have received USG supported short-term agricultural sector productivity or food security training	0	150	52		52			450	Number
Type of individual	0	150	0						
Producers									
People in government									
People in private sector firms									
People in civil society	0	150	52		52				
Sex	0	150							
Male	0	75	28		28				
Female	0	75	24		24				
IR 3: Increased investment in agriculture and nutrition related activities									
4.5.2.-12: Number of public-private partnerships formed as a result of FTF assistance	0	2	0	0				8	Number
Agricultural production	0	1	0	0					
Agricultural post-harvest transformation	0	1	0	0					
Nutrition									
Other									
Multi-focus									
IR 1: Improved Agricultural Productivity / Sub IR 1.2: Enhanced Technology Development, Dissemination, Management and Innovation									
4.5.2-39: Number of technologies or management practices in one of the following phases of development:	0	13						40	Number
Phase I: under research as a result of USG assistance	0	7	27	27				23	
Phase II: under field testing as a result of USG assistance	0	6	0	0				17	
Phase III: made available for transfer as a result of USG assistance									

iAGRI CUSTOM INDICATORS									
Indicator Data / Disaggregation	Baseline Value	2014 Target	Achieved to date	Q1	Q2	Q3	Q4	LOP - Life Of Project	Units
IR 1: Improved Agricultural Productivity / Sub IR 1.1: Enhanced human and institutional capacity development for increased sustainable agriculture sector productivity									
OSU 1.1.1.1 Number of students assessed for Graduate level English competency	0	25	29	0	29			85	Number
Male	0	13	14	0	14				
Female	0	12	15	0	15				
OSU 1.1.1.5 Number of research projects conducted which specifically focus on gender	0	2	0	0				9	Number
OSU 1.1.1.6 Number of students making use of improved ICT in classroom instruction	0	1,565	0	0				6,250	Number
Male	0	1,045	0	0					
Female	0	520	0	0					
OSU 1.1.1.9 Number of researchers trained on Randomized Control Trials (RCTs)	0	25	0	0				85	Number
Male	0	13	0	0					
Female	0	12	0	0					
IR 1: Improved Agricultural Productivity / Sub IR 1.2: Enhanced Technology Development, Dissemination, Management and Innovation									
OSU 1.2.1.1 Number of research projects that address issues of climate change	0	5	6	6				14	Number
IR 3: Increased investment in agriculture and nutrition related activities / Sub IR 3.2: Increased Capacity of Women to Participate in Agriculture and Nutrition									
OSU 1.3.2.1. Number of young female students provided with women-to-women mentorship program	0	123	23	23				1,250	Number
OSU 1.3.2.2. Number of high school girls provided with career guidance and counselling program	0	2,000	0	0				4,150	Number
IR 3: Increased investment in agriculture and nutrition related activities / Sub IR 3.2: Increased Capacity of Women to Participate in Agriculture and Nutrition									
OSU 1.3.2.4. Percentage change in the female secondary school students with intention to applying for admission to agriculture and science degree programs at Sokoine university	0	5	0	0					% change
OSU 1.3.2.5. Number of actions supportive of gender mainstreaming at Sokoine University of Agriculture	0	4	0	0				20	Number
IR 3: Increased investment in agriculture and nutrition related activities / Sub IR 3.3: Enhanced Knowledge and External ideas through study tours									
OSU 1.3.3.1. Number of people participating in study tours as a result of FtF assistance	0	6	3	0	3			18	Number
Male	0	3	0	0	0				
Female	0	3	3	0	3				

Indicator Data / Disaggregation	Baseline Value	2014 Target	Achieved to date	Q1	Q2	Q3	Q4	LOP - Life Of Project	Units
IR 8: Improved Enabling Policy Environment for both Agriculture and Nutrition / Sub IR 8.1: Improved Capacity to Conduct Policy Research and Analysis									
OSU 1.4.1. Number of policy issues in agriculture, natural resources and environment, climate change and nutrition researched and analysed as a result of FtF assistance	0	5	0	0				31	Number
IR 8: Improved Enabling Policy Environment for both Agriculture and Nutrition / Sub IR 8.2: Public/Private Sector Dialogue on Policy Increased									
OSU 1.4.2.1. Number of USG-supported policy dialogue events held that are related to improving the enabling environment for agriculture and nutrition	0	5	0	0				15	Number