Agricultural Technology and Agribusiness Advisory Services (P109224)

AFRICA | Uganda | Agriculture Global Practice | IBRD/IDA | Specific Investment Loan | FY 2010 | Seq No: 12 | ARCHIVED on 25-Dec-2016 | ISR25754 |

Implementing Agencies: Ministry of Agriculture Animal Industry and Fisheries

Key Dates

Key Project Dates

- Bank Approval Date: 22-Jun-2010
- Effectiveness Date: 20-Dec-2011
- Planned Mid Term Review Date: 01-Sep-2014
- Actual Mid-Term Review Date: 06-Oct-2014
- Original Closing Date: 30-Jun-2015
- Revised Closing Date: 31-Dec-2017

Project Development Objectives

Agricultural Technology and Agribusiness Advisory Services (P109224)

Project Development Objective (from Project Appraisal Document)
The Project Development Objective is to increase agricultural productivity and commercialization of participating rural households by transforming and improving the performance of agricultural technology development and advisory service systems in Uganda.

Has the Project Development Objective been changed since Board Approval of the Project Objective?
No

Uganda Sustainable Land Management Country Program (P108886)

Global Environmental Objective (from Project Appraisal Document)
The Global Environmental Objective is to enhance the environmental sustainability and resilience of agricultural production to landdegradation and climate risks.

Has the Global Environmental Objective been changed since Board Approval of the Project Objective?
No

Components

Name

- Component 1: Developing Agricultural Technologies and Strengthening the National Agricultural Research System: (Cost $43.30 M)
- Component 2: Enhancing Partnerships between Agricultural Research and Other Stakeholders: (Cost $18.00 M)
- Component 3: Strengthening the National Agricultural Advisory Services: (Cost $30.10 M)
Implementation Status and Key Decisions

The National Agriculture Research Organization (NARO) continues to make steady progress in generation and development of improved technologies in response to stakeholder demands. NARO has increased the involvement and participation of research providers from outside the Organization in technology development through the Competitive Research Grant Scheme (CRGS). A total of 66 projects are being implemented in partnership with private sector and other research agencies like the public universities. The 25 new projects have been in response to the Agribusiness thematic call, and cover product commercialization, value addition, linking farmers to the market, and integration of women and the youth to the value chains. The majority of NARO scientists who were on study leave; seven undertaking MSc, and 31 the PhD training programs will have completed their studies and returned to their institutes by December 31, 2016. This will significantly boost the Organization’s capacity. Under the infrastructure improvement, construction and/or rehabilitation of 17 out of the 19 office buildings, conference/training facilities and laboratories, mainly at the ZARDIs, have been completed and handed over to the client.

The partnership framework between MAAIF, NARO and stakeholders has been developed and is in place, and the Memorandum of Understanding (MoU) between them has been signed off by the relevant GoU offices. Its application and implementation, however still has significant gaps. Under this framework, the functionality of Multi Stakeholder Innovation Platforms (MSIPs) along value chains at the zonal level has been identified. Preliminary findings indicate that up to 60% of MSIPs formed under National Agricultural Advisory Services (NAADS) are not active. There needs therefore be a clear action plan to address this. Under this framework, solid ground has been established for the setting up and management of an expanded program for on-farm adaptive trials and demonstrations. The annual Work plan at both the national level does not clearly spell out the targets for the different types of seeds that will be produced for the different commodities. A clear costed plan and program for increased production of quality seeds needs to be prepared to lay the ground and inform sustainable seed production that is essential to meet the anticipated demands by the in-coming ACDP.

MAAIF has made commendable progress and completed the development of the new Extension Strategy, and obtained Cabinet approval for both the National Agricultural Extension Policy (NAEP) and the Agricultural Extension Strategy (NAES). There is need now for MAAIF to move quickly move to develop the necessary instruments and documents to facilitate the operationalization of the NAES. While implementation is picking up speed, the procurement of goods and services is still proceeding slowly. During the last mission, it was agreed to have the procurement monitoring and tracking system updated monthly and status shared with the Bank. There is need to strengthen this process. With the implementation support team recruited and in place, there is also need to strengthen implementation of the joint M&E processes.

Key decisions that need to be undertaken include:

1. Preparing a clearly costed plan and program for the multiplication of breeder and foundation seeds of the improved crop varieties to meet the needs of both private sector seed companies and community seed producers
2. Developing the necessary instruments and documents to facilitate the operationalization of the NAES
3. Strengthening the monitoring, tracking and reporting on the status of procurements
4. Developing a work plan and timelines for undertaking the first project impact study to enable the updating of the results framework, and sharing this with the Bank
### Risks

#### Systematic Operations Risk-rating Tool

<table>
<thead>
<tr>
<th>Risk Category</th>
<th>Rating at Approval</th>
<th>Previous Rating</th>
<th>Current Rating</th>
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</thead>
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<tr>
<td>Macroeconomic</td>
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<td>★ Moderate</td>
</tr>
<tr>
<td>Sector Strategies and Policies</td>
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<td>★ Substantial</td>
</tr>
<tr>
<td>Technical Design of Project or Program</td>
<td>--</td>
<td>★ Moderate</td>
<td>★ Moderate</td>
</tr>
<tr>
<td>Institutional Capacity for Implementation and Sustainability</td>
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<td>★ Substantial</td>
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<tr>
<td>Fiduciary</td>
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<tr>
<td>Environment and Social</td>
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<td>Stakeholders</td>
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<tr>
<td>Other</td>
<td>--</td>
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</tr>
<tr>
<td>Overall</td>
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### Results

#### Project Development Objective Indicators

- **Increase in average agricultural yields of participating households (Percentage, Custom)**

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
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<td>Date</td>
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<td>31-Dec-2015</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
</tr>
</tbody>
</table>

**Comments**
The actual yields will be established when the Impact Evaluation study will be undertaken in January 2017

- **Milk production (Percentage, Custom Supplement)**
## Crops (Percentage, Custom Supplement)

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<thead>
<tr>
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<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
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</thead>
<tbody>
<tr>
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<td>0.00</td>
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## Maize (Percentage, Custom Breakdown)

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<td>31-Dec-2015</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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</table>

## Rice (Percentage, Custom Breakdown)

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<th>Actual (Current)</th>
<th>End Target</th>
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<td>31-Dec-2015</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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</table>

## Cassava (Percentage, Custom Breakdown)

<table>
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<th>Actual (Current)</th>
<th>End Target</th>
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<tbody>
<tr>
<td>Value</td>
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<td>34.00</td>
<td>10.00</td>
</tr>
<tr>
<td>Date</td>
<td>31-Dec-2015</td>
<td>31-Dec-2015</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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</table>
### Beans (Percentage, Custom Breakdown)

<table>
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<th>End Target</th>
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<tr>
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<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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</table>

### Increase in agricultural income of participating households (Percentage, Custom)

<table>
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<th></th>
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<th>End Target</th>
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</thead>
<tbody>
<tr>
<td>Value</td>
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<td>20.00</td>
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<tr>
<td>Date</td>
<td>31-Dec-2013</td>
<td>31-Dec-2015</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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</table>

**Comments**
The actual value to be established during the planned Impact Assessment survey to be undertaken in January 2017.

### Male (Percentage, Custom Breakdown)

<table>
<thead>
<tr>
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<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
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<tr>
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<td>15.00</td>
<td>20.00</td>
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<td>31-Dec-2015</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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</table>

### Female (Percentage, Custom Breakdown)

<table>
<thead>
<tr>
<th></th>
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<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>698,200.00</td>
<td>10.00</td>
<td>10.00</td>
<td>15.00</td>
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<td>Date</td>
<td>01-May-2013</td>
<td>01-Jul-2015</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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</tbody>
</table>

### Direct project beneficiaries (Number, Core)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
</table>
The number of direct beneficiaries will be determined during the Impact Evaluation study planned for January 2017.

<table>
<thead>
<tr>
<th>Female beneficiaries (Percentage, Core Supplement)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline</td>
</tr>
<tr>
<td>Value</td>
</tr>
</tbody>
</table>

Overall Comments

Global Environmental Objective Indicators

<table>
<thead>
<tr>
<th>Additional land area with improved land and water management practices (Hectare(Ha), Custom)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline</td>
</tr>
<tr>
<td>Value</td>
</tr>
<tr>
<td>Date</td>
</tr>
</tbody>
</table>

Overall Comments

Intermediate Results Indicators
### Percentage Increase in the number of technological innovations generated for dissemination (cumulative) (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Value</strong></td>
<td>690.00</td>
<td>750.00</td>
<td>811.00</td>
<td>800.00</td>
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<tr>
<td><strong>Date</strong></td>
<td>31-Dec-2013</td>
<td>31-Dec-2015</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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</table>

### Number of collaborative Research Projects implemented (annual) (Number, Custom)

<table>
<thead>
<tr>
<th></th>
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<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
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</thead>
<tbody>
<tr>
<td><strong>Value</strong></td>
<td>41.00</td>
<td>38.00</td>
<td>66.00</td>
<td>60.00</td>
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<td><strong>Date</strong></td>
<td>31-Dec-2013</td>
<td>31-Aug-2015</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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### Technologies demonstrated in the project areas (number) (Number, Core)

<table>
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<th>Actual (Current)</th>
<th>End Target</th>
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<tbody>
<tr>
<td><strong>Value</strong></td>
<td>44.00</td>
<td>61.00</td>
<td>130.00</td>
<td>96.00</td>
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<td>31-Dec-2015</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
</tr>
</tbody>
</table>

### Percentage of targeted beneficiaries using improved agricultural technologies (Percentage, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
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<th>Actual (Current)</th>
<th>End Target</th>
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<tbody>
<tr>
<td><strong>Value</strong></td>
<td>25.00</td>
<td>30.00</td>
<td>30.00</td>
<td>45.00</td>
</tr>
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<td><strong>Date</strong></td>
<td>31-Dec-2013</td>
<td>31-Dec-2014</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
</tr>
</tbody>
</table>

**Comments**

The percentage using improved technologies will be established during the Impact Evaluation study in January 2017.
### Proportion of men and women perceiving that their voice has been taken into account in decision making of the farmer group (Percentage, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
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<tbody>
<tr>
<td>Value</td>
<td>70.00</td>
<td>72.00</td>
<td>75.00</td>
<td>75.00</td>
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<td>31-Oct-2014</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
</tr>
</tbody>
</table>

### Number of primary farmer organizations registered as higher level farmer organizations (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
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<th>Actual (Current)</th>
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<tbody>
<tr>
<td>Value</td>
<td>100.00</td>
<td>120.00</td>
<td>120.00</td>
<td>225.00</td>
</tr>
<tr>
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<td>31-Oct-2014</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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</table>

### New Extension Strategy designed and approved (Yes/No, Custom)

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<th>Actual (Current)</th>
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<tr>
<td>Value</td>
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<td>N</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>Date</td>
<td>31-Dec-2014</td>
<td>31-Dec-2014</td>
<td>31-Oct-2016</td>
<td>30-Jun-2016</td>
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</tbody>
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### Targeted ICT initiatives scoped, piloted and ready for scale (Number, Custom)

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<th>Baseline</th>
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<th>Actual (Current)</th>
<th>End Target</th>
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<td>0.00</td>
<td>5.00</td>
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<td>31-Dec-2014</td>
<td>30-Sep-2016</td>
<td>31-Dec-2017</td>
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</table>
### Number of farmers reached through ICT innovations piloted. (Number, Custom)

<table>
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<tr>
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<td>0.00</td>
<td>440,000.00</td>
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<td>30-Sep-2016</td>
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</table>

### Percentage of results monitoring indicators reported on time as outlined in the M&E plan (Percentage, Custom)

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<td>85.00</td>
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### Annual audit recommendations implemented as a proportion of all actions recommended (Percentage, Custom)

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#### Overall Comments

**Data on Financial Performance**

#### Disbursements (by loan)

<table>
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<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Currency</th>
<th>Original</th>
<th>Revised</th>
<th>Cancelled</th>
<th>Disbursed</th>
<th>Undisbursed</th>
<th>Disbursed</th>
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<td>P109224</td>
<td>IDA-47690</td>
<td>Effective</td>
<td>USD</td>
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<td>120.00</td>
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<td>33.36</td>
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<td>P108886</td>
<td>TF-97184</td>
<td>Effective</td>
<td>USD</td>
<td>7.20</td>
<td>7.20</td>
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#### Key Dates (by loan)

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<th>Status</th>
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<th>Signing Date</th>
<th>Effectiveness Date</th>
<th>Orig. Closing Date</th>
<th>Rev. Closing Date</th>
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</table>
Cumulative Disbursements

Restructuring History

Level 2 Approved on 14-Apr-2015

Related Project(s)

P108886-Uganda Sustainable Land Management Country Program