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# Rwanda Integrated Water Security Program (RIWSP)

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## PERFORMANCE MONITORING PLAN (PMP)

## **Rwanda Integrated Water Security Program (RIWSP)**

**Agreement No. CA # AID-696-LA-11-00001**

## **PERFORMANCE MONITORING PLAN (PMP)**

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## ACRONYMS AND ABBREVIATIONS

CARE	Cooperative for Assistance and Relief Everywhere, Inc.
CBO	Community based organization
CLTS	Community Led Total Sanitation
EIA	Environmental Impact Assessment (EIA)
F	USAID Foreign Assistance Standard Monitoring Indicator
FIU	Florida International University
FtF	Feed the Future
GCC	Global Climate Change
GLOWS	Global Water for Sustainability Program
IR	Intermediate Result
JMP	Joint Monitoring Program
LWA	Leader with associates
M&E	Monitoring and evaluation
MUS	Multiple use systems
NGO	Non-governmental organization
RIWSP	Rwanda Integrated Water Security Program
Sanmark	Sanitation Marketing
SO	Strategic Objective
SOW	Statement of Work
TBD	To be determined
USAID	United States Agency for International Development
VS&LA	Village Savings and Loan Associations
WASH	Water, Sanitation, Hygiene
WFP	World Food Program
WHO	World Health Organization
WUA	Waster Users Association

## 1.0 Introduction

On 18 May 2011, USAID awarded the Cooperative Agreement No. AID-696-LA-11-00001 to Florida International University (FIU) to provide support for a new initiative known as the **Rwanda Integrated Water Security Program (RIWSP)**. The RIWSP is an Associate Award under the umbrella of the Global Water for Sustainability (GROWS) Program, a Leader-With-Associates cooperative agreement from USAID to support an interdisciplinary consortium of organizations working to promote more integrated water resources management worldwide. The GROWS consortium is led by Florida International University.

The primary goal of the RIWSP is to *improve the sustainable management of water quantity and quality to positively impact human health, food security, and resiliency to climate change for vulnerable populations in targeted catchments in Rwanda.*

This goal will be pursued through three objectives:

- Objective 1: Increasing sustainable and resilient access to water and WASH related infrastructure and services for domestic and productive use;
- Objective 2: Strengthening governance of water-related resources at the national, watershed, and community scale to increase sustainability and resiliency of the resource for all users;
- Objective 3: Improving technical practices and approaches to optimize the use and resiliency of available water resources for multiple uses.

The program falls under USAID's Feed the Future and Global Climate Change Initiatives, and is funded by Water Earmark, Food Security and Climate Change Initiative-Adaptation funds. As such the program has to comply with the reporting requirement for these different sources of funds.

The RIWSP team will use the Performance and Monitoring Plan (PMP) as a tool to plan and manage collection and analysis of data and information, relevant for monitoring and evaluating program performance and for measuring project results (e.g. outcomes and outputs). As such, it will function as a management tool to report progress, constraints, and deviation from annual activities against Work Plan targets, as well as to review and adapt, where necessary, the program implementation strategies. Furthermore, it will support the program to proceed with timely and punctual data collection.

The guiding documents for this Performance Monitoring Plan apart from the program documents are: (1) the FtF, GCC and F indicators; and (2) the USAID / Rwanda SO6 and SO7 Results Frameworks.

Indicators in this PMP are based on the performance indicators defined in these

documents. For each indicator, the following information and guidelines are provided : (1) detailed definition of each performance indicator; (2) source, method, frequency schedule of data collection; (3) office, team, or individual responsible for ensuring data are available on schedule; (4) analytical method for the data collected; (5) Reporting system.

## 2. RIWSP Results Framework

The RIWSP contributes to two (2) Functional Objectives of the US Foreign Assistance Framework: Investing in people (Health Program area) and Economic Growth (Agriculture and Environment)

Specifically, RIWSP will contribute to USAID Mission's defined Strategic Objectives six and seven (SO6 and SO7): Strategic Objective 6: Increased use of Community Health services, including HIV/AIDS and Strategic Objective 7: Expanded Economic opportunities in rural areas; in particular Health 3.1.8 and Environment 4.8.2 and Agriculture 4.5.2 respectively

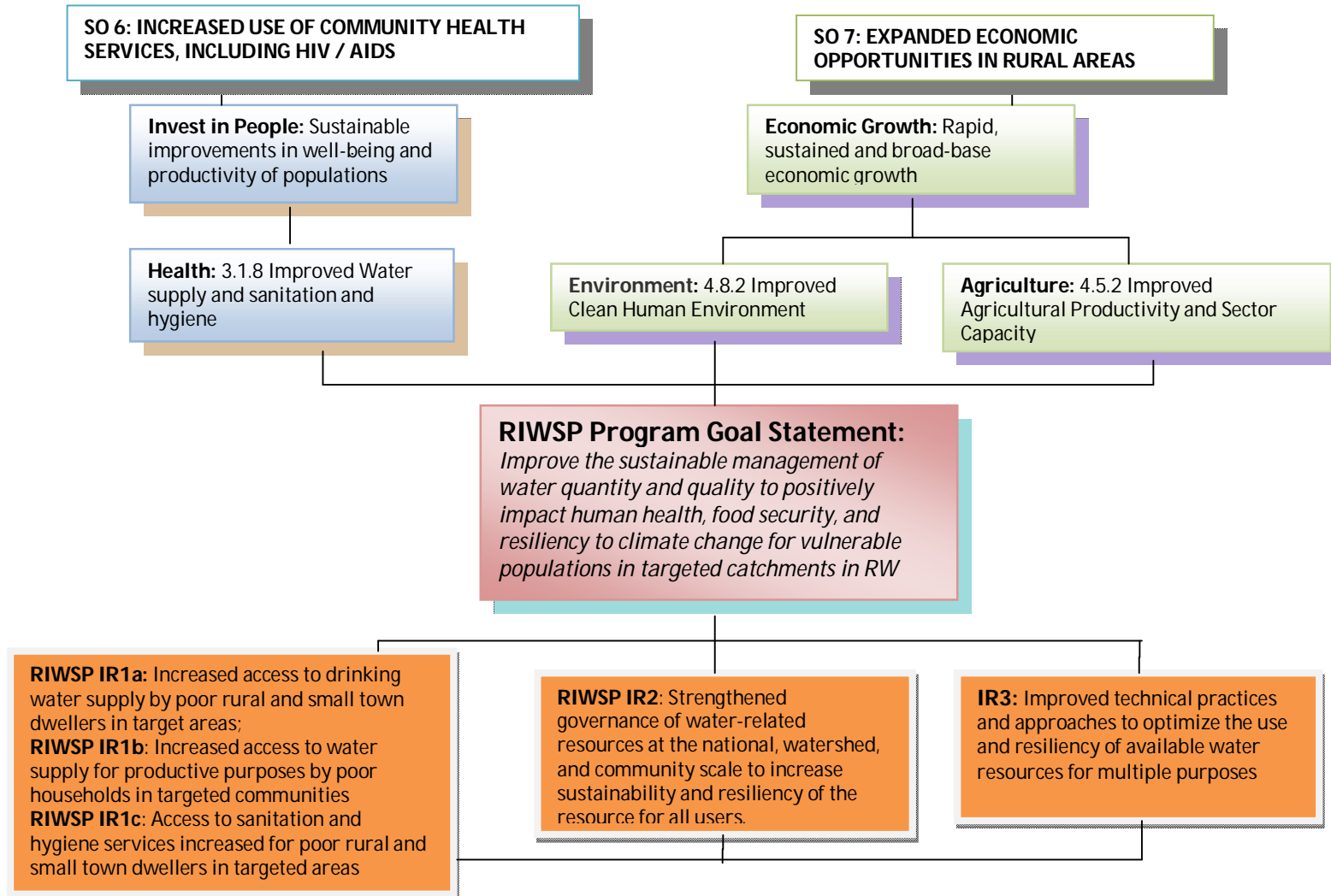
A summary of the Result Framework is presented in Diagram 1 (below). The diagram highlights the USAID Strategic Objectives, Program Areas and sub-elements and also shows where RIWSP Goal fits. Below the RIWSP goal are its 3 Intermediate Results (IR). This being an integrated program some of the IRs will be contributing to both SO6 and SO7.

Specifically IR 1a and IR 1c contribute towards the Health 3.1.8 which is in SO6, while IR 1b contributes towards the Environment 4.8.2 in SO7.

IR 2 contributes towards achieving both SO6 and SO7 since governance issues and sustainability are cross cutting and significant for both health and environment and agriculture.

IR 3 will also contribute towards both SO6 and SO7 since technical practices and approaches to optimize water for multiple purposes is also cross cutting and covers health and agriculture.

**DIAGRAM 1: RELATIONSHIP BETWEEN RIWSP INTERMEDIATE RESULTS AND SO6 AND SO7**



## 2.1 Details of the RIWSP PMP

The project team proposes various capacity building and implementation activities to achieve these outcomes. The program activities (inputs) have been designed to achieve the Intermediate Results.

It is significant to note that the activity of providing improved water quality and quantity is captured by two indicators 5 and 7 in Intermediate Result 1, however the first time access to improved drinking water supply is captured by indicator 9 in the same Intermediate Result 1.

It is important to note that while the program has several outcomes, some of them are covered by one indicator. Secondly a number of indicators have operational challenges for example under global Climate change indicator on stakeholders using climate information in their decision making and those implementing risk-reducing practices/actions to improve resilience to climate change. The challenges include: being able to effectively relate climate change information and the decisions being made. But a set of well-developed tools (like a questionnaire and physical observations) will be able to collect this information; and the need to show that the previous practices and the current ones are different; and that the current practices relate to the training the program provided and to climate change other than any other factors.

These activities will be monitored and data collected after the trainings have been conducted. The individuals trained will be followed up to see how they are applying the information they have learnt.

Lastly the program will carefully record the information collected and relate the information as far as possible to the both the activities themselves and the expected results / outcomes of the activities.

Based on the latter, the following indicators have been identified to monitor program performance for each Intermediate Result (IR):

### **IR 1. Increased sustainable and resilient access to water and WASH-related infrastructure and services for domestic and productive use.**

**This IR will have 9 specific indicators as indicated below:**

1. Number of farmers and others who have applied new technologies or management practices as a result of USG assistance  
This is the total number of farmers and other people who have applied the new technologies anywhere within the food production system as a result of USG assistance. For RIWSP, the Multiple Use System (MUS) will introduce new technologies to improve food production to individual farmers. These



individuals will be counted and documented. This is an FtF indicator.

2. Number of individuals who have received USG supported short term agricultural sector productivity and /or food security training.

The total number of individuals to whom relevant skills and knowledge have been imparted through predesigned intentional and structured process. Both local and other types of training will be included here. For RIWSP several trainings will be conducted at short term and in both food production and food security. This indicator will be measuring the training in short term. The trainings will include the following areas: food production and security, IWRM and climate change resilience and the relationships between them. This is an FtF indicator. (FtF Wording: Number of individuals who have received USG supported long-term agricultural sector productivity or food security training).

3. **Number of individuals who have received USG supported long term training in agricultural sector productivity or food security.**

This is the total number of individuals to whom significant knowledge or skills have been imparted through interactions that are intentional, structured, and purposed. In country and off-shore training will be included here. In particular relationship to RIWSP, the training will include the following areas: food production and how it is affected by climate change, methods of reducing impacts on whole food chain from planting to harvesting, storage and marketing, IWRM and climate change resilience. RIWSP will undertake support for Masters / postgraduate students on research in areas directly related to the program.

This is an FtF indicator.

4. Number of MSMEs receiving business development services from USG assisted sources.

This is the total number of micro (1-5) and small (6-50) enterprises receiving services from RIWSP. RIWSP will be providing services to IWRM related MSMEs in terms of information, training and grants where relevant. The number and membership of these MSMEs will be documented. This is an FtF indicator.

5. Number of individuals with access to improved sanitation services.

Individuals in the target areas / sites receiving improved sanitation services which includes latrines, water supply (excludes drinking water as this is covered by Indicator 8 below), washing hands and hygiene. RIWSP will enable these services to be provided at identified health centers / facilities in the target areas. The number of individuals (women, men and children) who access these services will be documented. This is a customized indicator.

6. Number of people receiving USG supported training in Sanitation Marketing and Microcredit.  
Individuals in the target areas / sites who have received training in sanitation marketing and microcredit. Individuals will include local farmers, local leaders and small scale entrepreneurs who are interested and identified to gain to the maximum in sanitation marketing and microcredit which will have been provided by RIWSP. This is customized indicator.
7. Number of people with access to improved multiple use water supply services (MUS) for household and productive uses.  
The individuals with access to improved multiple use water supplies (MUS) provided by RIWSP for both household use and productive use simultaneously in the target areas. The number of people accessing and using improved water for household (other than drinking – this is covered by indicator 8 below) and also for food production like irrigation as a result of the USG supported intervention. This is a customized indicator.
8. Number of people receiving USG-supported training in water supply, sanitation, and hygiene.  
The individuals in the target sites / areas who have been trained by RIWSP in water supply, sanitation and hygiene will include men, women, children and elderly people. This is a customized indicator.
9. Number of people in target areas with first-time access to improved drinking water supply as a result of USG assistance.  
This is the number of individuals who for the first time are receiving improved (clean) water for drinking (domestic use) in the target areas. This number of people will be recorded as and when the number of people accessing multiple use of water and accessing improved sanitation services is being recorded (See indicators 4 and 6 above) but particularly focusing on improved drinking water. This is specially mentioned here so as not to double count. This is an F standard indicator.

**IR 2. Strengthened governance of water-related resources at the national, watershed, and community scale to increase sustainability and resiliency of the resource for all users.**

**This IR will be evaluated for achievement by the following 9 specific indicators:**

1. Number of policies /regulations / administrative procedures in each of the following stages of development as a result of USG assistance in each case:
  - Stage 1 Analyzed;
  - Stage 2 Drafted and presented for public / stakeholder consultation

Number of agricultural enabling environment policies / regulations / administrative procedures in the area of water management and climate change adaptation / mitigation. In the case of IWRM, RIWSP will assist in development and finalization of the Water Master Plan and related policies and activities.

Stage 1: The National Water Master Plan and related policies underwent the first stage of policy reform process. Analysis of policy / regulation / administrative procedures.

Stage 2: The National Water Master Plan and related policies underwent second stage of the policy reform process. This includes public debate and / or consultation.

This is an FtF indicator.

2. Number of institutions/organizations that, as a result of USG assistance, are in one of these five stages of improved institutional capacity:

Stage 1: Undergoing capacity / competency assessments

Stage 2: Assessments presented for consultation

Stage 3: Undertaking capacity / competency strengthening

Stage 4: making significant improvements

Stage 5: Mature / Viable

In order to measure incremental improvements in institutional capacity, we will measure 5 different stages of improved capacity: For example for the case of Capacity Needs Assessment, RIWSP will support this activity through these 5 stages:

- Stage 1: Undergoing capacity needs / competency assessments
- Stage 2: Assessments presented for consultation
- Stage 3: Undertaking capacity / competency strengthening
- Stage 4: making significant improvements
- Stage 5; Mature / viable

Of the six institutional / organizational competencies this program will address the following: governance, management practices, human resources and service delivery.

This is an FtF indicator.

3. Number of private enterprises, producer organizations, Water User Associations (WUAs), women's groups, trade and business associations and CBOs that applied new technologies or management practices as a result of USG assistance.

The number of enterprises /organizations which apply new technologies in various areas of IWRM. Following the FtF guidelines, only one entity will be counted per year even if they have received multiple technologies. Special emphasis will be placed on women's' groups and gender disaggregation. This is an FtF indicator.

4. Number of people receiving training in global climate change as a result of

USG assistance.

The number of individuals who will be trained using USG resources in the target areas in the following climate change areas: Identifying and using climate change adaptation methods to be more resilient to climate change; Using / applying climate change information in decision making; Identifying and providing relevant and accurate information for climate vulnerability assessments. This is GCC training indicator and uses the GCC wording but will basically cover only the areas outlined above.

5. Number of climate vulnerability assessments conducted as a result of USG assistance.

RIWSP will conduct climate vulnerability assessment using best practices, at a relevant temporal and spatial scale during the programs life span. This assessment will involve key stakeholders and best practices will include the participatory identification of priority climate-sensitive sectors in the selected watersheds, livelihoods or systems; identification of priority populations and sectors; assessment of anticipated climate and non-climate stresses; estimates of potential impacts; and assessment of exposure, sensitivity and adaptive capacity of the system to climate stresses. RIWSP will conduct these assessments in all the selected watersheds in the two sub-basins of Akagera and Akanyaru. This is both an FtF and GCC indicator and they have similar wording.

6. Number of stakeholders using climate information in their decision making as a result of USG assistance.

Relevant climate data and information will initially depend on the baseline information collected by RIWSP and later on future data collected due to improved data collection systems and equipment put in place by the project. This information and data will then be used for identification, assessment, and management of climate risks to improve resilience. Climate data will include regular monitored weather and climate projections (e.g., anticipated temperature and precipitation changes under future scenarios). Climate information will include the outputs of impact assessments, for example, the consequences of increased temperatures on crop types and water availability for irrigation plus consequences of excessive rains resulting into for example floods and landslides in the target watersheds., including the number of people likely to be affected by future floods and landslides. This is both a GCC and FtF indicator with similar wording.

7. Number of stakeholders implementing risk-reducing practices/actions to improve resilience to climate change as a result of USG assistance.

Individuals in the target watersheds of RIWSP project who are involved in sectors such as agriculture, livestock, fishing, other areas of natural resources management may need to employ new management practices or implement

measures that reduce the risks of climate change impacts which they may acquire through training or exposure. For example, risk-reducing management practices in agriculture might include terracing and use of drought resistance crops, or adjusting the management of other aspects of the system. Risk reducing measures might include applying new technologies like irrigation methods, or diversifying into different income-generating activities.

Any such adjustment to the management of resources or implementation of an adaptation action that responds to climate-related stresses and increases resilience will be documented by RIWSP in the target watersheds. This is both an FtF and GCC indicator and they have similar wording.

8. Number of people receiving USG supported training in natural resources management and/or biodiversity conservation

Water is one of the major natural resources which inevitably depend on other natural resources like forests and wetlands. While conducting other trainings, RIWSP will ensure that basic knowledge in natural resource management / biodiversity is also taught to the participants in the training sessions. This increased knowledge in managing other biodiversity is expected to have a positive knock off effect. This is an F standard indicator.

9. People with increased incomes and greater food security due to provision of multiple use water supplies.

Multiple use of water sustainably contributes to increased food production hence increased incomes and greater food security. RIWSP will measure the number of individuals whose incomes and food security have been enhanced by using water appropriately. This is an FtF indicator

### **IR 3. Improved technical practices and approaches to optimize the use and resiliency of available water resources for multiple purposes.**

1. Number of hectares under improved technologies or management practices as a result of USG assistance.

Measures the area of land in hectares first brought under new technology during the current reporting period. The new technologies introduced by RIWSP will be monitored to see which farms (in number of hectares) have applied the technology during the period under review and will also show ensure that any significant improvements to existing technologies are counted and documented. This is both an F standard and an FtF indicator.

2. Number of water resources sustainability assessments undertaken.

RIWSP will conduct water sustainability assessments which will value the water resources availability and use in the selected watersheds. Attention will also be paid to environmental water requirements and sustainability of water use in the face of variability and change at the basin level potentially created by climate change impacts. This is an FtF indicator.

**Annex 1** below provides details of all the indicators with definitions, methods of data collection, analysis and gathering.

### **List of the key implementing actors and their main tasks/responsibilities:**

**Florida International University (FIU)** will be the lead institution in the RIWSP Program and will serve in both coordination and implementation roles. FIU is among the 25 largest universities in the US and conducts projects across a wide range of development themes and academic disciplines. FIU has coordinated multi-partner programs for USAID in Ecuador, Peru, India, and Morocco and is currently implementing programs in Kenya, Tanzania, and Georgia, as well as a Pan-African WASH capacities assessment program

**CARE International** is one of the world's largest organizations working to address the underlying causes of poverty so that people can become self-sufficient. CARE will work primarily on activities based at the community level in strengthening capacity building for decentralized governance and climate change adaptation measures, as well as implementing sanitation marketing and microcredit measures.

**The International Center for Integrated Water Resources Management (ICIWaRM)** will have the responsibility of developing the Drought Atlas for Rwanda. Similarly, with the collaboration of the USGS, ICIWaRM will complement the work of UNESCO-IHE in the selection and installation of hydromet equipment, and in the creation of a drought atlas tool for the GoR. ICIWaRM was established by the U.S. Army Institute for Water Resources (IWR) in 2007 in collaboration with U.S. institutions and organizations sharing an interest in the advancement of the science and practice of integrated water resources management (IWRM).

**UNESCO-IHE Institute for Water Education** will take joint responsibility, with FIU, for the implementation of technical assistance to the GoR in the IWRM and decentralized governance at the national level. Additionally, they will provide technical assistance to the GoR through the strengthening of the hydrological plan. UNESCO-IHE is the largest water higher education facility in the world and provides training, technical advice, and technical support services to water, environment, and infrastructure sectors in developing countries and countries in transition.

**Winrock International** will take primary responsibility for innovative approaches in

water supply development; particularly through MUS. Winrock is a nonprofit organization that works with people around the world to increase economic opportunity, develop human capacity, sustain natural resources, and protect the environment, matching innovative approaches with the unique needs of its development partners.

**World Vision** (Rwanda-WVR) will work on hygiene behavior activities at the community and facility care level. WVR will also assist farmers to introducing innovative technologies for irrigation. WVR began working with the people of Rwanda in 1976, then focusing on food, clothing, and education for children and their families. From the late 1980s and into the mid 90s, WVR began responding to an urgent appeal from

**Alliance for Green Revolution in Africa (AGRA)** is partnership-based organization (in this case working with WINROCK) that works across the African continent to help millions of small-scale farmers and their families lift themselves out of poverty and hunger.

## 3.0 Implementing the PMP

### 3.1 Data Management

The RIWSP Country office will be responsible of coordinating the initial collection and review of data. Once the baseline data for each indicator have been gathered and archived, the frequency of data collection will be established by the implementing partner, as described in ANNEX 1. Furthermore, the RIWSP Country office will ensure that the implementing partners involve all relevant stakeholders and local partners in the monitoring effort. Each partner/implementing organization will submit the data gathered and analyzed to the Country Office as part of the Annual Report and, where necessary, as part of the Quarterly Reports. The data will then be as required submitted to USAID Rwanda.

### 3.2 Data Collection and Analysis

Each implementing partner is responsible of conducting necessary baseline studies during the first operational year (October 2011 to September 2012) and assessment in the first phase of the RIWSP program implementation. Secondly each partner will collect the data necessary to monitor its activities. Data will be provided to the RIWSP country office, based on the monitoring frequency indicated in the Indicator Sheets (ANNEX 1).

As reflected in the various Indicator Sheets, different data analysis methods will be used. The most suitable analytical tool will be selected, based on the nature of the data collected. Among others, the implementing partners will use the following tools/method: calculations and formulas, statistical analysis, rating scales, triangulation, and comparison of both qualitative and quantitative data with baseline studies.

### 3.3 Critical Assumptions

The following critical assumptions are made:

- That funds will be availed to carry out and complete the Program.
- That there will be adequate worldwide economic stability and the US dollar value will not fall steeply to impact adversely on the Program budget or on key partner organizations.
- That there will be adequate social and political stability in Rwanda to enable Program implementation to progress as planned.
- That climatic condition will not drastically change, and there will be no extreme climatic event (flood or drought) that acts against Program success.

Other assumptions:



- One of the indicators number 4 of IR 1 will partly use a proxy data because it is not easy to count the number of people using water to wash their hand after using the toilet. So what will be measured will be the amount of water used and it will be the known amount per person to wash their hands. The assumption is that the water is actually being used for washing hands and not just poured down. Once we know the amount of water (at the toilet) used per person then we can estimate the number of people who have used it to wash their hands after toilet.

**ANNEX 1: PERFORMAMNCE INDICATOR REFERENCE SHEETS**

**NB: The targets indicated in the tables below refer to the target by end of project in 2016.**

**Number of farmers and others that applied the new technologies or management practices as a result of USG assistance**

**Strategic Objective:** 7. Expanded Economic Opportunities in Rural Areas

**Intermediate Result:** 7.1. Improved agricultural productivity

**Program Objective:** 4. Economic Growth

**Program Area:** 4.5. Agriculture

**Program Element:** 4.5.2. Agricultural sector productivity

**Sub-Element :** 4.5.2.2. Land and Water Management

**Indicator:** Number of farmers and others that applied the new technologies or management practices as a result of USG assistance

**DESCRIPTION**

**Precise Definition(s):** Measures the total number of farmers and others that applied the new technologies anywhere within the food and fiber system as a result of USG assistance. RIWSP will be introducing several new technologies including MUS which covers food productivity and other water uses, and the number of farmers using these technologies on their farms.

**Unit of Measure:** Number of people

**Disaggregated by:** This indicator will be disaggregated by gender/sex and the type of person for examples farmers and other rural people.

**Justification/Management Utility:** .Activities will include for example introduction of new technologies in multiple water uses and there will be need to know if they are actually being used by the target communities / individuals and also who exactly is using them hence disaggregated as indicated above..

**PLAN FOR DATA ACQUISITION BY USAID**

**Data Collection Method:** Data for this indicator will be collected from the Akanyaru and Akagera Sub-Basins on local farmers who will be using the new technologies or management practices. Data in quarterly and annual reports will also indicate when these new technologies and practices were held, and the specific content of technologies and practices provided at the time.

**Data Source(s):** Implementing partners activities reports

**Frequency/Timing of Data Acquisition:** Quarterly

**Estimated Cost of Data Acquisition:** Low

**Responsible Individual(s) at USAID:** AOTR

**PLAN FOR DATA ANALYSIS, REVIEW, & REPORTING**

**Data Analysis:** Internal and external reviews, briefings, and reports

**Presentation of Data:** Data presented in quarterly and annual reports

**Review of Data:** AOTR and MEMS Review of reports

**Reporting of Data:** Annual report

**DATA QUALITY ISSUES**

**Date of Initial Data Quality Assessment:** End of third quarter year 2 (June 2012)

**Known Data Limitations and Significance (if any):**

**Actions Taken or Planned to Address Data Limitations:**

**Date of Future Data Quality Assessments:** Annually (June 2013)

**Procedures for Future Data Quality Assessments:** Annual review by COP and M&E Specialist (Home office and Program office).

**BASELINE AND TARGETS:** Baseline not yet collected; target by 2016: 1700

**LOCATION OF DATA STORAGE:** TBD and hard copies

**THIS SHEET LAST UPDATED ON:** January 2012

**Number of individuals who have received USG supported short term training in agricultural sector productivity or food security**

**Strategic Objective:** 7. Expanded Economic Opportunities in Rural Areas  
**Intermediate Result:** 7.1. Improved agricultural productivity  
**Program Objective:** 4. Economic Growth  
**Program Area:** 4.5 Agriculture  
**Program Element:** 4.5.1. Agricultural Enabling Environment  
                           4.5.2. Agricultural sector productivity  
**Sub-Element:** : 4.5.1.1. Agricultural Resource Policy  
                           4.5.2.4: Agribusiness and Producer Organizations  
**Indicator:** Number of individuals who have received USG supported short term training in agricultural sector productivity or food security

**DESCRIPTION**

**Precise Definition(s):** The number of individuals to whom significant knowledge or skills have been imparted through interactions that are intentional, structured, and purposed for imparting knowledge or skills will be counted as training. In country and off-shore training will be included here. In particular relationship to RIWSP, the training will include the following areas: food production and how it is affected by climate change, methods of reducing impacts on whole food chain from planting to harvesting, storage and marketing, IWRM and climate change resilience. RIWSP will conduct short term planned / tailor-made and appropriate to the target. These will be concurrent training or sandwich.  
**Unit of Measure:** Number of people  
**Disaggregated by:** This indicator will be disaggregated by gender and type of training, specifically number of people trained in short term applied techniques.  
**Justification/Management Utility:** Tracking the number of people trained provides information about the reach and scale of training and capacity building efforts. It also provides an indication of the most appropriate types of training for a given community – short term.

**PLAN FOR DATA ACQUISITION BY USAID**

**Data Collection Method:** Data for this indicator will be collected from the selected sites in Akanyaru and Akagera Sub-Basins on local community members who will be trained in short term sessions. Data in quarterly and annual reports will also indicate when these training sessions were held, and the specific content of training provided at the time.  
**Data Source(s):** Project training reports/implementing partners reports  
**Frequency/Timing of Data Acquisition:** Quarterly  
**Estimated Cost of Data Acquisition:** Low  
**Responsible Individual(s) at USAID:** AOTR

**PLAN FOR DATA ANALYSIS, REVIEW, & REPORTING**

**Data Analysis:** Internal and external reviews, briefings, and reports  
**Presentation of Data:** Data presented in quarterly and annual reports  
**Review of Data:** AOTR and MEMS Review of reports  
**Reporting of Data:** Annual report

**DATA QUALITY ISSUES**

**Date of Initial Data Quality Assessment:** End of third quarter year 2 (June 2012)  
**Known Data Limitations and Significance (if any):**  
**Actions Taken or Planned to Address Data Limitations:**  
**Date of Future Data Quality Assessments:** Annually (June 2013)  
**Procedures for Future Data Quality Assessments:** Annual review by COP and M&E Specialist (Home office and Program office).

**BASELINE AND TARGETS:** No Baseline data; 3,085 people trained at the end of project

**Location of Data Storage:** TBD and hard copies.

**THIS SHEET LAST UPDATED ON:** January 2011

**Number of individuals who have received USG supported long term training in agricultural sector productivity or food security**

**Strategic Objective:** 7. Expanded Economic Opportunities in Rural Areas  
**Intermediate Result:** 7.1. Improved agricultural productivity  
**Program Objective:** 4. Economic Growth  
**Program Area:** 4.5 Agriculture  
**Program Element:** 4.5.1. Agricultural Enabling Environment  
                           4.5.2. Agricultural sector productivity  
**Sub-Element:** : 4.5.1.1. Agricultural Resource Policy  
                           4.5.2.4: Agribusiness and Producer Organizations  
**Indicator:** Number of individuals who have received USG supported long term training in agricultural sector productivity or food security

**DESCRIPTION**

**Precise Definition(s):** The number of individuals to whom significant knowledge or skills have been imparted through interactions that are intentional, structured, and purposed for imparting knowledge or skills will be counted as training. In country and off-shore training will be included here. In particular relationship to RIWSP, the training will include the following areas: food production and how it is affected by climate change, methods of reducing impacts on whole food chain from planting to harvesting, storage and marketing, IWRM and climate change resilience. RIWSP will undertake support for Masters / postgraduate students on research in areas directly related to the program.

**Unit of Measure:** Number of people

**Disaggregated by:** This indicator will be disaggregated by gender and type of training, specifically number of people trained in long term applied techniques.

**Justification/Management Utility:** Tracking the number of people trained provides information about the reach and scale of training and capacity building efforts. It also provides an indication of the most appropriate types of training for a given community –long term.

**PLAN FOR DATA ACQUISITION BY USAID**

**Data Collection Method:** Data for this indicator will be collected from the selected sites in Akanyaru and Akagera Sub-Basins on local community members who will be trained in long term sessions; and also at national level especially for long term training. Data in quarterly and annual reports will also indicate when these training sessions were held, and the specific content of training provided at the time.

**Data Source(s):** Project training reports/implementing partners reports

**Frequency/Timing of Data Acquisition:** Quarterly

**Estimated Cost of Data Acquisition:** Low

**Responsible Individual(s) at USAID:** AOTR

**PLAN FOR DATA ANALYSIS, REVIEW, & REPORTING**

**Data Analysis:** Internal and external reviews, briefings, and reports

**Presentation of Data:** Data presented in quarterly and annual reports

**Review of Data:** AOTR and MEMS Review of reports

**Reporting of Data:** Annual report

**DATA QUALITY ISSUES**

**Date of Initial Data Quality Assessment:** End of third quarter year 2 (June 2012)

**Known Data Limitations and Significance (if any):**

**Actions Taken or Planned to Address Data Limitations:**

**Date of Future Data Quality Assessments:** Annually (June 2013)

**Procedures for Future Data Quality Assessments:** Annual review by COP and M&E Specialist (Home office and Program office).

**BASELINE AND TARGETS:** No Baseline data; 15 people trained at the end of project

**Location of Data Storage:** TBD and hard copies.

**THIS SHEET LAST UPDATED ON:** January 2011



<b>Number of MSMEs receiving business development services from USG assisted sources</b>
<p><b>Strategic Objective 7:</b> Expanded Economic Opportunities in Rural Areas  <b>Intermediate Result 7.1:</b> Improved agricultural productivity  <b>Program Objective:</b> 4. Agriculture  <b>Program Area:</b> 4.5. Agriculture <b>Program Element:</b> Strengthen micro enterprise Productivity  <b>Sub-Element:</b> : Business development services  <b>Indicator:</b> Number of MSMEs receiving business development services from USG assisted sources</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> Total number of micro (1-5) and small (6-50) enterprises receiving services from FTF supported enterprise development providers.. Service include business planning, procurement, technical support, market access, input supply, technology and product development, training and technical assistance. RIWSP will be providing the MSMEs with development services and grants. These will be recorded and numbered.  <b>Unit of Measure:</b> Number of Enterprises  <b>Disaggregated by:</b> This indicator will be disaggregated by gender and type of medium and small scale enterprises.  <b>Justification/Management Utility:</b> It is important to know the number of both medium and small scale enterprises that have been assisted because an increasing number of these enterprises means increased service providers hence better services and higher chances of sustainability. This will also contribute towards giving value to water resources.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b> Data for this indicator will be collected from the Akanyaru and Akagera Sub-Basins on local MSMEs. Data in quarterly and annual reports will also indicate when these services are provided and received.  <b>Data Source(s):</b> Project activity reports/implementing partners reports  <b>Frequency/Timing of Data Acquisition:</b> Quarterly  <b>Estimated Cost of Data Acquisition:</b> Low  <b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports  <b>Presentation of Data:</b> Data presented in quarterly and annual reports  <b>Review of Data:</b> AOTR and MEMS Review of reports  <b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter year 2 (June 2012)  <b>Known Data Limitations and Significance (if any):</b>  <b>Actions Taken or Planned to Address Data Limitations:</b>  <b>Date of Future Data Quality Assessments:</b> Annually (June 2013)  <b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<p><b>BASELINE AND TARGETS:</b> No Baseline data. 200 Number of MSMEs receiving business development services</p>
<p><b>Location of Data Storage:</b> TBD and hard copies</p>
<p><b>THIS SHEET LAST UPDATED ON:</b> January 2012</p>

<b>Number of individuals with access to improved sanitation services.</b>
<p><b>Strategic Objective:</b> 6. Increased use of Community Health Services, including HIV/AIDS</p> <p><b>Intermediate Result:</b> 6.2. (Access) Increased access to selected essential health commodities and community health services</p> <p><b>Program Objective:</b> 3. Investing in people</p> <p><b>Program Area:</b> 3.1. Health</p> <p><b>Program Element:</b> 3.1.8. Water Supply and Sanitation</p> <p><b>Sub-Element:</b> 3.1.8.2: Basic Sanitation</p> <p><b>Indicator:</b> Number of individuals with access to improved sanitation services.</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> Individuals in the target areas / sites receiving improved sanitation services like latrines, hand washing services (excludes improved drinking water) and hygiene.</p> <p><b>Unit of Measure:</b> Number of people</p> <p><b>Disaggregated by:</b> This indicator will be disaggregated by gender, age (Children / Adults) and type of sanitation services being accessed.</p> <p><b>Justification/Management Utility:</b> This indicator will show the number of individuals who are having and using improved sanitation services as part of the IWRM approach being advanced by this program. It will also contribute to the national and global (MDGs) targets on improved sanitation services.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b> Data for this indicator will be collected from the Akanyaru and Akagera Sub-Basins on local community members who will be accessing sanitation services.</p> <p><b>Data Source(s):</b> Project activity reports/implementing partners reports</p> <p><b>Frequency/Timing of Data Acquisition:</b> Quarterly</p> <p><b>Estimated Cost of Data Acquisition:</b> Low</p> <p><b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports</p> <p><b>Presentation of Data:</b> Data presented in quarterly and annual reports</p> <p><b>Review of Data:</b> AOTR and MEMS Review of reports</p> <p><b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter year 2 (June 2012)</p> <p><b>Known Data Limitations and Significance (if any):</b> Number of people actually washing hands may be difficult to count directly.</p> <p><b>Actions Taken or Planned to Address Data Limitations:</b> An indirect way of estimating may be used for example the amount of water at the toilet being used per day per individual. The amount of water will also be estimated as closely as possible.</p> <p><b>Date of Future Data Quality Assessments:</b> Annually (June 2013)</p> <p><b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<b>BASELINE AND TARGETS:</b> No baseline data; 12,000 people trained at the end of project
<b>Location of Data Storage:</b> TBD and hard copies.
<b>THIS SHEET LAST UPDATED ON:</b> January 2012

<b>Number of people receiving USG supported training in Sanitation Marketing and Microcredit</b>
<p><b>Strategic Objective:</b> 6. Increased use of Community Health Services, including HIV/AIDS</p> <p><b>Intermediate Result</b> 6.2. (Access) Increased access to selected essential health commodities and community health services</p> <p><b>Program Objective:</b> 3. Investing in People</p> <p><b>Program Area:</b> 3.1. Health</p> <p><b>Program Element:</b> 3.1.8: Water Supply and Sanitation</p> <p><b>Sub-Element:</b> : 3.1.8.4: Sustainable Financing for Water and Sanitation Services</p> <p><b>Indicator:</b> Number of people receiving USG supported training in Sanitation Marketing and Microcredit.</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> Individuals in the target areas / sites who have received training in sanitation marketing and microcredit. Individuals include local farmers and members of the small scale entrepreneurs. This is customized indicator</p> <p><b>Unit of Measure:</b> Number of people</p> <p><b>Disaggregated by:</b> This indicator will be disaggregated by gender and type of training, specifically number of people trained and using microcredits.</p> <p><b>Justification/Management Utility:</b> Tracking the number of people trained provides information about the reach and scale of training and capacity building efforts. This is also important for enriching the support to medium and small scale enterprises. It will contribute to providing value to water and water services.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b> Data for this indicator will be collected from the Akanyaru and Akagera Sub-Basins on local community members who will have been trained. Data in quarterly and annual reports will also indicate when these training sessions were held, and the specific content of training provided at the time.</p> <p><b>Data Source(s):</b> Project training reports/implementing partners reports</p> <p><b>Frequency/Timing of Data Acquisition:</b> Quarterly</p> <p><b>Estimated Cost of Data Acquisition:</b> Low</p> <p><b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports</p> <p><b>Presentation of Data:</b> Data presented in quarterly and annual reports</p> <p><b>Review of Data:</b> AOTR and MEMS Review of reports</p> <p><b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter year 2 (June 2012)</p> <p><b>Known Data Limitations and Significance (if any):</b></p> <p><b>Actions Taken or Planned to Address Data Limitations:</b></p> <p><b>Date of Future Data Quality Assessments:</b> Annually (June 2013)</p> <p><b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<b>BASELINE AND TARGETS:</b> No baseline data; 2,000 people trained at the end of project
<b>Location of Data Storage:</b> TBD and hard copies.
<b>THIS SHEET LAST UPDATED ON:</b> January 2012

**Number of people with access to improved multiple use water supply services for household and productive uses**

**Strategic Objective** 6. Increased use of Community Health Services, including HIV/AIDS  
**Intermediate Result** 6.2. (Access) Increased access to selected essential health commodities and community health service  
**Program Objective:** 3. Investing in People  
**Program Area:** 3.1. Health  
**Program Element:** 3.1.8. Water Supply and Sanitation.  
**Sub-Element:** 3.1.8.5: Water Resources Productivity.  
**Indicator:** Number of people with access to improved multiple use water supply services for household and productive uses

**DESCRIPTION**

**Precise Definition(s):** The individuals with access to improved (in both quality and quantity) multiple use water supplies for both household use (excluding drinking water) and productive use simultaneously in the target areas. This is a customized indicator.  
**Unit of Measure:** Number of individuals / people  
**Disaggregated by:** This indicator will be disaggregated by gender and age (Children and adults).  
**Justification/Management Utility:** .This is very important indicator as it contributes to the IWRM strategy / approach of this program and also to the relationship between water for domestic use and water for production use.

**PLAN FOR DATA ACQUISITION BY USAID**

**Data Collection Method:** Data for this indicator will be collected from the Akanyaru and Akagera Sub-Basins on local communities. Data in quarterly and annual reports will also indicate when these services are provided and accessed.  
**Data Source(s):** Project activity reports/implementing partners reports  
**Frequency/Timing of Data Acquisition:** Quarterly  
**Estimated Cost of Data Acquisition:** Low  
**Responsible Individual(s) at USAID:** AOTR

**PLAN FOR DATA ANALYSIS, REVIEW, & REPORTING**

**Data Analysis:** Internal and external reviews, briefings, and reports  
**Presentation of Data:** Data presented in quarterly and annual reports  
**Review of Data:** AOTR and MEMS Review of reports  
**Reporting of Data:** Annual report

**DATA QUALITY ISSUES**

**Date of Initial Data Quality Assessment:** End of third quarter year 2 (June 2012)  
**Known Data Limitations and Significance (if any):**  
**Actions Taken or Planned to Address Data Limitations:**  
**Date of Future Data Quality Assessments:** Annually (June 2013)  
**Procedures for Future Data Quality Assessments:** Annual review by COP and M&E Specialist (Home office and Program office)

**BASELINE AND TARGETS:** No baseline data. 80,000 individuals with access to multiple water uses services

**Location of Data Storage:** TBD and hard copies

**THIS SHEET LAST UPDATED ON:** January 2012

<b>Number of people receiving USG supported training in water supply, sanitation, and hygiene</b>
<p><b>Strategic Objective:</b> 6. Increased use of Community Health Services, including HIV/AIDS</p> <p><b>Intermediate Result:</b> 6.3. (Quality) Improved quality of community health services</p> <p><b>Program Objective:</b> 3. Investing in People</p> <p><b>Program Area:</b> 3.1. Health</p> <p><b>Program Element:</b> 3.1.8 Water supply and sanitation</p> <p><b>Sub-Element:</b> : 3.1.8.3: Water and Sanitation Policy and Governance</p> <p><b>Indicator:</b> Number of people receiving USG supported training in water supply, sanitation, and hygiene.</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> The individuals in the target sites who will receive short tailor made training in water supply, sanitation and hygiene. These will include men, women, children and elderly people. This is a customized indicator.</p> <p><b>Unit of Measure:</b> Number of people</p> <p><b>Disaggregated by:</b> This indicator will be disaggregated by gender. Age (Children / adults) and type of training offered – Water supply, Sanitation and Hygiene.</p> <p><b>Justification/Management Utility:</b> Tracking the number of people trained provides information about the reach and scale of training and capacity building efforts and how this affects behavior change. This information will also contribute towards knowing the spread of sanitation issues at national level.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b> Data for this indicator will be collected from the Akanyaru and Akagera Sub-Basins on local community members who will have been trained. Data in quarterly and annual reports will also indicate when these training sessions were held, and the specific content of training provided at the time.</p> <p><b>Data Source(s):</b> Project training reports/implementing partners reports</p> <p><b>Frequency/Timing of Data Acquisition:</b> Quarterly</p> <p><b>Estimated Cost of Data Acquisition:</b> Low</p> <p><b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports</p> <p><b>Presentation of Data:</b> Data presented in quarterly and annual reports</p> <p><b>Review of Data:</b> AOTR and MEMS Review of reports</p> <p><b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter year 2 (June 2012)</p> <p><b>Known Data Limitations and Significance (if any):</b></p> <p><b>Actions Taken or Planned to Address Data Limitations:</b></p> <p><b>Date of Future Data Quality Assessments:</b> Annually (June 2013)</p> <p><b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<b>BASELINE AND TARGETS:</b> No baseline data; 200,000 people trained at the end of project
<b>Location of Data Storage:</b> TBD and hard copies.
<b>THIS SHEET LAST UPDATED ON:</b> January 2012

<b>Number of people in target areas with first time access to improved drinking water supply as a result of USG assistance</b>
<p><b>Strategic Objective:</b> 6. Increased use of Community Health Services, including HIV/AIDS  <b>Intermediate Result:</b> 6.2. (Access) Increased access to selected essential health commodities and community  <b>Program Objective:</b> 3. Investing in people  <b>Program Area:</b> 3.1. Health  <b>Program Element:</b> 3.1.8 Water supply and sanitation  <b>Sub-Element:</b> : 3.1.8.1: Safe Water Access  <b>Indicator:</b> Number of people with first time access to improved drinking water supply as a result of USG assistance</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> The number of individuals who for the first time are accessing to improved drinking water in target areas. This number of people will be recorded as and when the number of people accessing multiple use of water and accessing improved sanitation services is being recorded (See indicators 4 and 6 above) but particularly focusing on improved drinking water. This is specially mentioned here so as not to double count. The activities in this program will include providing access to improved drinking water supply and the baseline data will show those households who have this access already and those who do not in the target areas. Once the improved services are provided those getting it the first time will be counted This is general USAID indicator.  <b>Unit of Measure:</b> Number of individuals / people  <b>Disaggregated by:</b> This indicator will be disaggregated by gender, age in each household.  <b>Justification/Management Utility:</b> .The most important factor in the IWRM approach is water. Water has to be available both in the required amount and quality. This indicator will contribute towards knowing the accessibility of improved water for drinking to individuals for the first time and hence contribute to the national and global (MDGs) targets of providing improved drinking water to the people of Rwanda</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b> Data for this indicator will be collected from the target watersheds in the Akanyaru and Akagera Sub-Basins on local communities. Data in quarterly and annual reports will also indicate when these services are provided and accessed. Data on improved drinking water supply will be separated from other Multiple use water supplies and sanitation services. The improved water supply access for the first time will be collected initially at household level, however these households have individuals who will be counted and reported on; and disaggregated by sex and age.  <b>Data Source(s):</b> Project activity reports/implementing partners reports  <b>Frequency/Timing of Data Acquisition:</b> Quarterly  <b>Estimated Cost of Data Acquisition:</b> Low  <b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports  <b>Presentation of Data:</b> Data presented in quarterly and annual reports  <b>Review of Data:</b> AOTR and MEMS Review of reports  <b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter year 2 (June 2012)  <b>Known Data Limitations and Significance (if any):</b>  <b>Actions Taken or Planned to Address Data Limitations:</b>  <b>Date of Future Data Quality Assessments:</b> Annually (June 2013)</p>

**Procedures for Future Data Quality Assessments:** Annual review by COP and M&E Specialist (Home office and Program office).

**BASELINE AND TARGETS:** No baseline data. individuals with access to multiple water uses services

**Location of Data Storage:** TBD and hard copies

**THIS SHEET LAST UPDATED ON:** January 2012

**Number of policies / regulations / administrative procedures in each of the first and second stages of development as a result of USG assistance**

**Strategic Objective:** 7 Expanded Economic Opportunities in Rural Areas  
**Intermediate Result:** 7.1 Improved agricultural productivity  
**Program Objective:** 4. Economic Growth  
**Program Area:** 4.5. Agriculture  
                   4.8. Environment  
**Program Element:** 4.5.1. Agriculture enabling environment  
                           4.8.1: Natural Resources and Biodiversity  
**Sub-Element:** 4.5.1.1: Agricultural Resource Policy  
                           4.8.1.1: Natural Resource Policy and Governance .  
**Indicator:** Number of policies / regulations / administrative procedures in each of the first and second stages of development as a result of USG assistance.

**DESCRIPTION**

**Precise Definition(s):** Number of agricultural enabling environment policies / regulations / administrative procedures in the area of water management and climate change adaptation / mitigation.  
 RIWSP's contribution towards the two stages of this indicator:  
 Stage 1: The various legal, policy and regulatory instruments (for example the National Water Master Plan) which underwent the first stages of policy reform / development processes.  
 Stage 2: The various legal, policy and regulatory instruments (for example the National Water Master Plan) which underwent second stage of the policy reform/ development process. This includes public debate and / or consultation.  
**Unit of Measure:** Number of legal instruments and at what stage it is (Stage 1 or 2)  
**Disaggregated by:** This indicator will be disaggregated by type of legal instrument and at what level (National or decentralized) and also whether it is at stage 1 or 2.  
**Justification/Management Utility:** .  
 The indicator measures the number of policies / regulations / administrative procedures / instruments in either stage 1 which are the initial stages of reform or development and / or in Stage 2 which is relatively more advanced. This information is important as it will show that an enabling environment is being established to ensure sustainable natural resource use.

**PLAN FOR DATA ACQUISITION BY USAID**

**Data Collection Method:** Data for this indicator will be collected from the national level and also from the target Districts in Akanyaru and Akagera Sub-Basins. Data in quarterly and annual reports will also indicate when these services are provided and accessed. The policies, regulations and / or administrative procedures will be at both national and decentralized levels for example at District levels.  
**Data Source(s):** Project activity reports/implementing partners reports  
**Frequency/Timing of Data Acquisition:** Quarterly  
**Estimated Cost of Data Acquisition:** Low  
**Responsible Individual(s) at USAID:** AOTR

**PLAN FOR DATA ANALYSIS, REVIEW, & REPORTING**

**Data Analysis:** Internal and external reviews, briefings, and reports  
**Presentation of Data:** Data presented in quarterly and annual reports  
**Review of Data:** AOTR and MEMS Review of reports  
**Reporting of Data:** Annual report

**DATA QUALITY ISSUES**

**Date of Initial Data Quality Assessment:** End of third quarter Year 2 (June 2012)



**Known Data Limitations and Significance (if any):**

**Actions Taken or Planned to Address Data Limitations:**

**Date of Future Data Quality Assessments:** Annually (June 2013)

**Procedures for Future Data Quality Assessments:** Annual review by COP and M&E Specialist (Home office and Program office).

**BASELINE AND TARGETS:** No baseline data TBD. 3 number of legal instruments by end of program (for example Water Master Plan)

**Location of Data Storage:** TBD and hard copies

**THIS SHEET LAST UPDATED ON:** January 2012

**Number of institutions / organizations that as a result of USG assistance are in one of the five stages of improved institutional capacity.**

**Strategic Objective:** 7 Expanded Economic Opportunities in Rural Areas

**Intermediate Result:** 7.1. Improved agricultural productivity

**Program Objective:** 4. Economic Growth

**Program Area:** 4.5. Agriculture

**Program Element:** 4.5.1. Agriculture enabling environment.  
4.5.2. Agricultural Sector Capacity

**Sub-Element:** 4.5.1.1: Agricultural Resource Policy  
4.5.1.2: Investments to Promote Enhanced Food Policy  
4.5.2.4: Agribusiness and Producer Organizations

**Indicator:** Number of institutions / organizations that as a result of USG assistance, are in one of these five stages of improved institutional capacity:

- Stage 1: Undergoing capacity / competency assessments
- Stage 2: Assessments presented for consultation
- Stage 3: Undertaking capacity / competency strengthening
- Stage 4: making significant improvements
- Stage 5: Mature / viable.

**DESCRIPTION**

**Precise Definition(s):**

In order to measure incremental improvements in institutional capacity, we will measure 5 different stages of improved capacity for which institution/ organization:

- Stage 1: Undergoing capacity / competency assessments
- Stage 2: Assessments presented for consultation
- Stage 3: Undertaking capacity / competency strengthening
- Stage 4: making significant improvements
- Stage 5: Mature / viable

Of the six institutional / organizational competency, RIWSP will address the following: governance, management practices, human resources and service delivery.

**Unit of Measure:** Number

**Disaggregated by:** This indicator will be disaggregated by type of institutions – public, government, private or local and in which particular sector.

**Justification/Management Utility:**

Building capacity of local institutions is very crucial to sustainable development and long lasting changes in a community. We will measure these five stages of improved capacity. These indicators help us to track our work to improve the capacity of local entities and organizations.

**PLAN FOR DATA ACQUISITION BY USAID**

**Data Collection Method:** Data for this indicator will be collected from the national level in Kigali and also from the target Districts in Akanyaru and Akagera Sub-Basins. Data in quarterly and annual reports will also indicate when these services are provided and accessed.

**Data Source(s):** Project activity reports/implementing partners reports

**Frequency/Timing of Data Acquisition:** Quarterly

**Estimated Cost of Data Acquisition:** Low

**Responsible Individual(s) at USAID:** AOTR

**PLAN FOR DATA ANALYSIS, REVIEW, & REPORTING**

<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports  <b>Presentation of Data:</b> Data presented in quarterly and annual reports  <b>Review of Data:</b> AOTR and MEMS Review of reports  <b>Reporting of Data:</b> Annual report</p>
<p><b>DATA QUALITY ISSUES</b></p>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter year 2 (June 2012)  <b>Known Data Limitations and Significance (if any):</b>  <b>Actions Taken or Planned to Address Data Limitations:</b>  <b>Date of Future Data Quality Assessments:</b> Annually (June 2013)  <b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<p><b>BASELINE AND TARGETS:</b> No baseline data. 4 number of institutions with capacity developed by end of project period.</p>
<p><b>Location of Data Storage:</b> TBD and hard copies</p>
<p><b>THIS SHEET LAST UPDATED ON:</b> January 2012</p>

<b>Number of private enterprises, producers, organizations water user associations, women groups, trade and business associations and CBOs that applied new technologies or management practices as a result of USG assistance.</b>
<p><b>Strategic Objective:</b> 7. Expanded Economic Opportunities in Rural Areas  <b>Intermediate Result:</b> 7.1. Improved agricultural productivity  <b>Program Objective:</b> 4. Economic Growth  <b>Program Area:</b> 4.5. Agriculture  <b>Program Element:</b> 4.5.2. Agricultural sector productivity.  <b>Sub-Element:</b> 4.5.2.4: Agribusiness and Producer Organizations  <b>Indicator:</b> Number of private enterprises, producers, organizations water user associations, women groups, trade and business associations and CBOs that applied new technologies or management practices as a result of USG assistance.</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b>  The number of enterprises /organizations which apply new technology in various areas. Only one entity is counted per year even if they have received multiple technologies.  <b>Unit of Measure: Number of institutions / organizations</b>  <b>Disaggregated by:</b> Type of organization, Gender of its members and leadership also by the type of technology.  <b>Justification/Management Utility:</b>  The new technologies being applied by the different groups is important as it shows how they have been assimilated by the groups and how the technologies have affected their activities. It is also important to know the effect on various groups especially women focused and women led groups.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b> Data for this indicator will be collected from the target Districts in Akanyaru and Akagera Sub-Basins. Data in quarterly and annual reports will also indicate when these services are provided and applied.  <b>Data Source(s):</b> Project activity reports/implementing partners reports  <b>Frequency/Timing of Data Acquisition:</b> Quarterly  <b>Estimated Cost of Data Acquisition:</b> High  <b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports  <b>Presentation of Data:</b> Data presented in quarterly and annual reports  <b>Review of Data:</b> AOTR and MEMS Review of reports  <b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter Year 2 (June 2012)  <b>Known Data Limitations and Significance (if any):</b>  <b>Actions Taken or Planned to Address Data Limitations:</b>  <b>Date of Future Data Quality Assessments:</b> Annually (June 2013)  <b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<b>BASELINE AND TARGETS:</b> TBD and 200 the target number of organizations / associations by end of program.

**Location of Data Storage:** TBD and hard copies

**THIS SHEET LAST UPDATED ON:** January 2012

<b>Number of people receiving training in Global Climate Change as a result of USG assistance</b>
<p><b>Strategic Objective:</b> 7Expanded Economic Opportunities in Rural Areas  <b>Intermediate Result:</b> 7.4. Improved management of selected ecosystems  <b>Program Objective:</b> 4. Economic Growth  <b>Program Area:</b> 4.8. Environment  <b>Program Element:</b> 4.8.2. Clean Productive Environment  <b>Sub-Element:</b> : 4.8.2.4: Climate Change  <b>Indicator:</b> Number of people receiving training in Global Climate Change as a result of USG assistance.</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> The number of individuals who will be trained using USG resources in the target areas in the following climate change areas: Identifying and using climate change adaptation methods to be more resilient to climate change; Using / applying climate change information in decision making; Identifying and providing relevant and accurate information for climate vulnerability assessments..</p> <p><b>Unit of Measure:</b> Number of individuals</p> <p><b>Disaggregated by:</b> First by gender of individuals then by the types of activities they are involved in (people doing different activities apply different adaption methods).</p> <p><b>Justification/Management Utility:</b>  The increased number of people with knowledge and information on climate change, mitigation and adaption the better they are able to manage and appreciate the challenges created by climate change. This indicator will allow us to track the number of people understanding challenges created by climate change, thus more resilient to the impact of climate change.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b> Data for this indicator will be collected from the target watersheds in Akanyaru and Akagera Sub-Basins. Data in quarterly and annual reports will also indicate the types of trainings conducted, method used and manuals produced.</p> <p><b>Data Source(s):</b> Project training reports and implementing partners reports</p> <p><b>Frequency/Timing of Data Acquisition:</b> Quarterly</p> <p><b>Estimated Cost of Data Acquisition:</b> High</p> <p><b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports</p> <p><b>Presentation of Data:</b> Data presented in quarterly and annual reports</p> <p><b>Review of Data:</b> AOTR/ and MEMS Review of reports</p> <p><b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter year 2 (June 2012)</p> <p><b>Known Data Limitations and Significance (if any):</b></p> <p><b>Actions Taken or Planned to Address Data Limitations:</b></p> <p><b>Date of Future Data Quality Assessments:</b> Annually (June 2013)</p> <p><b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<p><b>BASELINE AND TARGETS:</b> 1000 number of individuals trained at the end of project</p>
<p><b>Location of Data Storage:</b> TBD and hard copies.</p>

**THIS SHEET LAST UPDATED ON:** January 2012

<b>Number of climate vulnerability assessments conducted as a result of USG assistance</b>
<p><b>Strategic Objective:</b> 7. Expanded Economic Opportunities in Rural Areas  <b>Intermediate Result:</b> 7.4. Improved management of selected ecosystems  <b>Program Objective:</b> 4. Economic Growth  <b>Program Area:</b> 4.8. Environment  <b>Program Element:</b> 4.8.2. Clean Productive Environment  <b>Sub-Element:</b> 4.8.2.4. Climate change  <b>Indicator:</b> Number of climate vulnerability assessments conducted as a result of USG assistance</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> The target areas face climate change effects and they suffer differently depending on the type of impact. This indicator will measure the number of vulnerable assessments each of these target areas are when climate change occurs. These assessments will help in developing potential adaption measures.</p> <p><b>Unit of Measure:</b> Number of assessments  <b>Disaggregated by:</b> None  <b>Justification/Management Utility:</b> .  Vulnerability assessments that take climate and non-climate stressors into account form the basis for adaptation programming by presenting an integrated problem analysis. A vulnerability assessment should inform, and will help to justify, an adaptation program by indicating why certain strategies or activities are necessary to minimize exposure to climate stress, reduce sensitivity, or strengthen adaptive capacity.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b>  A range of methods may be used, depending on the decision context, including participatory workshops, community-based PRA-type assessments, economic assessments, risk and vulnerability mapping, etc. Data for this indicator will be collected from the target Districts in Akanyaru and Akagera Sub-Basins. Data in quarterly and annual reports will also indicate when these assessments have been conducted.</p> <p><b>Data Source(s):</b> Project activity reports/implementing partners reports  <b>Frequency/Timing of Data Acquisition:</b> Quarterly  <b>Estimated Cost of Data Acquisition:</b> Low  <b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports  <b>Presentation of Data:</b> Data presented in quarterly and annual reports  <b>Review of Data:</b> AOTR and MEMS Review of reports  <b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter year 2 (June 2012)  <b>Known Data Limitations and Significance (if any):</b>  <b>Actions Taken or Planned to Address Data Limitations:</b>  <b>Date of Future Data Quality Assessments:</b> Annually (June 2013)  <b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<p><b>BASELINE AND TARGETS:</b> No baseline data. 7 assessments by end of project period 2016.</p>



**Location of Data Storage:** TBD and hard copies.

**THIS SHEET LAST UPDATED ON:** January 2012

<b>Number of stakeholders using climate information in their decision making as a result of USG assistance</b>
<p><b>Strategic Objective:</b> 7. Expanded Economic Opportunities in Rural Areas  <b>Intermediate Result:</b> 7.4. Improved management of selected ecosystems  <b>Program Objective:</b> 4. Economic Growth  <b>Program Area:</b> 4.8. Environment  <b>Program Element:</b> 4.8.2. Clean Productive Environment  <b>Sub-Element:</b> 4.8.2.4. Climate change  <b>Indicator:</b> Number of stakeholders using climate information in their decision making as a result of USG assistance.</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b>  Relevant climate data and information will vary according to the program context, but should be used in the identification, assessment, and management of climate risks to improve resilience. Climate data may include monitored weather or climate projections (e.g., anticipated temperature, precipitation and sea level rise under future scenarios). Climate information might include the outputs of impact assessments, for example, the consequences of increased temperatures on crops, changes in stream-flow due to precipitation shifts, or the number of people likely to be affected by future storm surges.</p> <p><b>Unit of Measure:</b> Number of individuals  <b>Disaggregated by:</b> First by gender of individuals then by the types of activities they are involved for example farming or trading etc. (This helps us to know which type of climate information they are using)  <b>Justification/Management Utility:</b> The use of climate information reflects that access to and quality of data (raw observations or facts) and information (interpreted) are sufficient, and reflects sufficient capacity of users to access and appropriately make use of data and information. Data and information as the basis for climate risk identification, assessment, and planning may be lacking, OR, rather, awareness and capacity of decision makers to access and make use of this data may be lacking. Where the use of information is lacking, outreach, training, collaboration on pilot activities, and other efforts may be necessary to build capacity for using available data and information in planning and action.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b>  Data for this indicator will be collected from the target Districts in Akanyaru and Akagera Sub-Basins. Data in quarterly and annual reports will also indicate on which types of decisions the information is being applied.  <b>Data Source(s):</b> Project activity reports/implementing partners reports  <b>Frequency/Timing of Data Acquisition:</b> Quarterly  <b>Estimated Cost of Data Acquisition:</b> Low  <b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports  <b>Presentation of Data:</b> Data presented in quarterly and annual reports  <b>Review of Data:</b> AOTR and MEMS Review of reports  <b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third Quarter Year 2 (June 2012)  <b>Known Data Limitations and Significance (if any):</b>  <b>Actions Taken or Planned to Address Data Limitations:</b></p>

**Date of Future Data Quality Assessments:** Annually (June 2013)  
**Procedures for Future Data Quality Assessments:** Annual review by COP and M&E Specialist (Home office and Program office).

**BASELINE AND TARGETS:** TBD for baseline. 300 number of individuals at the end of project

**Location of Data Storage:** TBD and hard copies.

**THIS SHEET LAST UPDATED ON:** January 2012

**Number of stakeholders implementing risk-reducing practices / actions to improve resilience to climate change as result of USG assistance.**

**Strategic Objective:** 7. Expanded Economic Opportunities in Rural Areas  
**Intermediate Result:** 7.4. Improved management of selected ecosystems  
**Program Objective:** 4. Economic Growth  
**Program Area:** 4.8. Environment  
**Program Element:** 4.8.2. Clean Productive Environment  
**Sub-Element:** 4.8.2.4. Climate change  
**Indicator:** Number of stakeholders implementing risk-reducing practices / actions to improve resilience to climate change as result of USG assistance.

**DESCRIPTION**

**Precise Definition(s):**

Individuals in the target watersheds of RIWSP project who are involved in sectors such as agriculture, livestock, fishing, other areas of natural resources management may need to employ new management practices or implement measures that reduce the risks of climate change impacts which they may acquire through training or exposure. For example, risk-reducing management practices in agriculture might include terracing and use of drought resistance crops, or adjusting the management of other aspects of the system. Risk reducing measures might include applying new technologies like irrigation methods, or diversifying into different income-generating activities.

Any such adjustment to the management of resources or implementation of an adaptation action that responds to climate-related stresses and increases resilience will be documented by RIWSP in the target watersheds.

**Unit of Measure:** Number of individuals

**Disaggregated by:** First by gender of individuals then by the types of activities they are implementing (different activities apply different practices and actions which is important for planning interventions and guidance).

**Justification/Management Utility:**

The number of people implementing risk reducing practices to minimize impacts of climate is important in showing the effect of the adaptation measures being applied by RIWSP and also. The significance of identifying the different activities they are involved in helps the project to develop tailor-made interventions.

**PLAN FOR DATA ACQUISITION BY USAID**

**Data Collection Method:** Data for this indicator will be collected from the target Districts in Akanyaru and Akagera Sub-Basins. Data in quarterly and annual reports will also indicate the types of risk reducing practices.

**Data Source(s):** Project activity reports/implementing partners reports

**Frequency/Timing of Data Acquisition:** Quarterly

**Estimated Cost of Data Acquisition:** Medium

**Responsible Individual(s) at USAID:** AOTR

**PLAN FOR DATA ANALYSIS, REVIEW, & REPORTING**

**Data Analysis:** Internal and external reviews, briefings, and reports

**Presentation of Data:** Data presented in quarterly and annual reports

**Review of Data:** AOTR and MEMS Review of reports

**Reporting of Data:** Annual report

**DATA QUALITY ISSUES**

**Date of Initial Data Quality Assessment:** End of third quarter Year 2 (June 2012)

**Known Data Limitations and Significance (if any):**

**Actions Taken or Planned to Address Data Limitations:**

**Date of Future Data Quality Assessments:** Annually (June 2013)

**Procedures for Future Data Quality Assessments:** Annual review by COP and M&E Specialist (Home office and Program office).

**BASELINE AND TARGETS:** Baseline TBD; 1,000 target number of individuals at the end of project

**Location of Data Storage:** TBD and hard copies.

**THIS SHEET LAST UPDATED ON:** January 2012

<b>Number of people receiving USG supported training in natural resources management and /or biodiversity conservation</b>
<p><b>Strategic Objective:</b> 7. Expanded Economic Opportunities in Rural Areas  <b>Intermediate Result:</b> 7.4. Improved management of selected ecosystems  <b>Program Objective:</b> 4. Economic Growth  <b>Program Area:</b> 4.8. Environment  <b>Program Element:</b> 4.8.1. Natural Resources and Biodiversity  <b>Sub-Element :</b> 4.8.1.2. Sustainable Natural Resources Management and Production  <b>Indicator:</b> Number of people receiving USG supported training in natural resources management and /or biodiversity conservation</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> This is the number of individuals who will receive training in natural resource management and biodiversity. RIWSP will conduct training on different issues like water use, hygiene, sanitation and as it does so it will also be having a component on natural resource management and biodiversity conservation.  <b>Unit of Measure:</b> Number of people  <b>Disaggregated by:</b> This indicator will be disaggregated by gender, age (Children and adults) and the type of training, specifically number of people trained in water resource use and conservation and health and environment / health services, to facilitate MEMS/USAID reporting  <b>Justification/Management Utility:</b> The improved integrated water management inevitably requires and depends on effective total environment and biodiversity conservation hence the need for this training for example in tree planting and tree cover conservation at natural sources of water for example spring water. Tracking the number of people trained provides information about the reach and scale of training and capacity building efforts.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b> Data for this indicator will be collected from the target Districts in Akanyaru and Akagera Sub-Basins . Data in quarterly and annual reports will also indicate when these training sessions were held, and the specific content of training provided at the time.  <b>Data Source(s):</b> Project training reports and implementing partners reports  <b>Frequency/Timing of Data Acquisition:</b> Quarterly  <b>Estimated Cost of Data Acquisition:</b> Low  <b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports  <b>Presentation of Data:</b> Data presented in quarterly and annual reports  <b>Review of Data:</b> AOTR and MEMS Review of reports  <b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter Year 2 (June 2012)  <b>Known Data Limitations and Significance (if any):</b>  <b>Actions Taken or Planned to Address Data Limitations:</b>  <b>Date of Future Data Quality Assessments:</b> Annually (June 2013)  <b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<b>BASELINE AND TARGETS:</b> Baseline TBD; 4,000 target number of people trained at the end of project

**Location of Data Storage:** TBD and hard copies.

**THIS SHEET LAST UPDATED ON:** January 2012

<b>Number of people with increased incomes and greater food security due to provision of multiple use water supply.</b>
<p><b>Strategic Objective:</b> 7. Expanded Economic Opportunities in Rural Areas  <b>Intermediate Result:</b> 7.1. Improved agricultural productivity  <b>Program Objective:</b> 4. Economic Growth  <b>Program Area:</b> 4.5. Agriculture  <b>Program Element:</b> 4.5.2. Agricultural Sector productivity  <b>Sub-Element:</b> 4.5.2.2. Land and Water Management  <b>Indicator:</b> Number of people with increased incomes and greater food security due to provision of multiple use water supply.</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> Increased income means increased food production and potential for food security. Multiple use of water contributes to increased incomes and greater food security hence the need to measure the number of people in this category.  <b>Unit of Measure:</b> Number of individuals  <b>Disaggregated by:</b> the gender and age (Children / adults).  <b>Justification/Management Utility:</b> Since the local people in the target areas are basically farmers the increase in income comes mainly from sell of their agricultural produce including food; hence the need to know whether the program interventions in providing multiple water use supply has improved food security</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b> Data for this indicator will be collected from the target Districts in Akanyaru and Akagera Sub-Basins. Data in quarterly and annual reports will also indicate the increase in income which the activities have contributed to.  <b>Data Source(s):</b> Project activity reports/implementing partners reports  <b>Frequency/Timing of Data Acquisition:</b> Quarterly  <b>Estimated Cost of Data Acquisition:</b> Medium  <b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports  <b>Presentation of Data:</b> Data presented in quarterly and annual reports  <b>Review of Data:</b> AOTR and MEMS Review of reports  <b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter year 2 (June 2012)  <b>Known Data Limitations and Significance (if any):</b>  <b>Actions Taken or Planned to Address Data Limitations:</b>  <b>Date of Future Data Quality Assessments:</b> Annually (June 2013)  <b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<b>BASELINE AND TARGETS:</b> Baseline TBD; 10,000 target number of individuals with increasing income.
<b>Location of Data Storage:</b> TBD and hard copies
<b>THIS SHEET LAST UPDATED ON:</b> January 2012





<b>Number of hectares under improved technologies or management practices as a result of USG assistance</b>
<p><b>Strategic Objective:</b> 7. Expanded Economic Opportunities in Rural Areas  <b>Intermediate Result:</b> 7.1. Improved agricultural productivity  <b>Program Objective:</b> 4. Economic Growth  <b>Program Area:</b> 4.5. Agriculture  <b>Program Element:</b> 4.5.2. Agricultural sector productivity.  <b>Sub-Element:</b> 4.5.2.2. Land and Water Management  <b>Indicator:</b> Number of hectares under improved technologies or management practices as a result of USG assistance.</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> Measures the area of land in hectares first brought under new technology during the current reporting period. Significant improvements to existing technologies are also counted under this indicator.  <b>Unit of Measure:</b> Number of hectares  <b>Disaggregated by:</b>  <b>Justification/Management Utility:</b>  Tracks successful adoption of technologies and management practices in an effort to improve agricultural water productivity, sustainability and resilience to climate impacts.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b> Data for this indicator will be collected from the target Districts in Akanyaru and Akagera Sub-Basins. Data in quarterly and annual reports will also indicate the increasing number of hectares.  <b>Data Source(s):</b> Project activity reports/implementing partners reports  <b>Frequency/Timing of Data Acquisition:</b> Quarterly  <b>Estimated Cost of Data Acquisition:</b> Medium  <b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports  <b>Presentation of Data:</b> Data presented in quarterly and annual reports  <b>Review of Data:</b> AOTR and MEMS Review of reports  <b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of tyhird quarter Year 2 (June 2012)  <b>Known Data Limitations and Significance (if any):</b>  <b>Actions Taken or Planned to Address Data Limitations:</b>  <b>Date of Future Data Quality Assessments:</b> Annually (June 2013)  <b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<b>BASELINE AND TARGETS:</b> Baseline TBD; 150 target number of hectares at end of program
<b>Location of Data Storage:</b> TBD and hard copies
<b>2THIS SHEET LAST UPDATED ON:</b> January 2011

<b>Number of water resources sustainability assessments undertaken.</b>
<p><b>Strategic Objective:</b> 7. Expanded Economic Opportunities in Rural Areas  <b>Intermediate Result:</b> 7.4. Improved management of selected ecosystems  <b>Program Objective:</b> 4. Economic Growth  <b>Program Area:</b> 4.8. Environment  <b>Program Element:</b> 4.8.1. Natural Resources and Biodiversity  <b>Sub-Element:</b> : 4.8.1.2. Sustainable Natural Resources Management and Production  <b>Indicator:</b> Number of water resources sustainability assessments undertaken.</p>
<b>DESCRIPTION</b>
<p><b>Precise Definition(s):</b> Water sustainability assessments are valuations of the water resources availability and use in a country. Attention is devoted to environmental water requirements and sustainability of water use in the face of variability and change at the basin level. RIWSP will undertake the assessments at Watershed levels.  <b>Unit of Measure:</b> Number of assessments  <b>Disaggregated by:</b>  <b>Justification/Management Utility:</b>  Water is fluently diverted for different used without sufficient consideration for the larger impacts of that use. As a result, basin level sustainability is often compromised and conflicts arise between uses and users in different basins. To help mitigate this outcome, water resources sustainability assessments can foster a broader approach to integrated water resources management that facilitates more optimal and harmonious outcomes.</p>
<b>PLAN FOR DATA ACQUISITION BY USAID</b>
<p><b>Data Collection Method:</b>  Data for this indicator will be collected from the target Districts in Akanyaru and Akagera Sub-Basins. Data in quarterly and annual reports will also indicate when these assessments have been conducted.  <b>Data Source(s):</b> Project activity reports/implementing partners reports  <b>Frequency/Timing of Data Acquisition:</b> Quarterly  <b>Estimated Cost of Data Acquisition:</b> Medium  <b>Responsible Individual(s) at USAID:</b> AOTR</p>
<b>PLAN FOR DATA ANALYSIS, REVIEW, &amp; REPORTING</b>
<p><b>Data Analysis:</b> Internal and external reviews, briefings, and reports  <b>Presentation of Data:</b> Data presented in quarterly and annual reports  <b>Review of Data:</b> AOTR and MEMS Review of reports  <b>Reporting of Data:</b> Annual report</p>
<b>DATA QUALITY ISSUES</b>
<p><b>Date of Initial Data Quality Assessment:</b> End of third quarter Year 2 (June 2012)  <b>Known Data Limitations and Significance (if any):</b>  <b>Actions Taken or Planned to Address Data Limitations:</b>  <b>Date of Future Data Quality Assessments:</b> Annually (June 2013)  <b>Procedures for Future Data Quality Assessments:</b> Annual review by COP and M&amp;E Specialist (Home office and Program office).</p>
<p><b>BASELINE AND TARGETS:</b> No baseline data. 12 target number of assessments by end of project period 2016.</p>
<p><b>Location of Data Storage:</b> TBD and hard copies.</p>

**THIS SHEET LAST UPDATED ON:** January 2012