

# Session 19: CRM Site-Visit Exercise—IIAM Agricultural Research Site

## Site Background

We will visit the IIAM agricultural research site located in Boane, which is approximately 35 km from the Southern Sun Hotel. IIAM (Instituto de Investigação Agrária de Moçambique / Mozambique Institute of Agricultural Research) is part of the Ministry for Agriculture of Mozambique. IIAM is concerned with food security and nutrition of consumers, productivity and stability of basic value chains, and sustainable use of natural resources. As a research center and education facility, the research site has large plots of several crops such as tomatoes and bananas, and students and farmers can visit demonstrations for drip irrigation and growing seedlings in greenhouses.

USAID supports IIAM research programs in USAID's Zones of Influence (northern and central Mozambique), specifically in seed production and dissemination of technologies amongst farmers. The research center received funding as part of the FTF Trilateral Project (Mozambique, Haiti and Honduras) (in conjunction with the Brazilian government) to disseminate technologies in agricultural production.

IIAM is also involved in disaster management activities through the provision of baseline data sets. This includes a national soil map as well as information on land suitability for crops. A strong link exists between the Famine Early Warning Systems Network (FEWS NET) and IIAM, which provides data for the early warning system. IIAM also maintains a large network of hydro-meteorological stations (~50% of the national stations).

Finally, IIAM is conducting research into impacts of Fall Armyworm on maize in a controlled trial of multiple treatment combinations that include different varieties of maize and types of pesticides.



Agricultural demonstration plots and irrigation system.

## Activity Scenario & Site Visit Objectives

***(Note: this scenario is not an actual USAID activity, it is only for workshop purposes)***

You are a member of an Economic Growth Team interested in developing a new activity that will partner with IIAM to support broad adoption of IIAM priority cultivars, technologies and techniques that are the focus of IIAM research activities in Boane. This support is likely to take the form of extension, field schools, support to cooperatives, and other measures. These efforts will occur in agro-ecological zones similar to that of Boane.

You know that your team must perform a CRM screening for the new activity, which will be included in a new activity-level IEE. There is no CRM screening completed at the project level to guide your CRM at the activity level.

As a team, you visit the IIAM Boane site to better understand IIAM's activities, and specifically to better understand their potential climate vulnerabilities so as to inform the CRM screening for your new activity.

## Site visit instructions

During your site visit:

- Identify the priority cultivars, technologies and techniques that are IIAM's focus at the Boane site, and which may be targeted for promotion in your next activity (e.g., development of irrigation systems; seed production.)
- With reference to the draft Climate Risk Profile for Mozambique, consider the climate stressors and the resultant climate risks to scale-up and wider adoption of these cultivars/technologies/techniques.
- Note any adaptation measures (i.e., climate risk mitigating measures) already in place to reduce risk---for example, cultivars may be chosen for resilience to expected climate risks..
- Consider adaptation measures that may be necessary but are not in place.
- Consider potential barriers to implementing the adaptation measures for these actions.

## Back in the Classroom

Upon return to the Hotel, your group will review observations from the field visit and:

1. Select two or three priority cultivars/techniques/technologies for whose “extension and promotion support” you will undertake CRM screening. Enter each as an action the CRM table provided in your sourcebook. (E.g. “extension and promotion support to drip irrigation” would be entered as one intervention in the table.)
2. Consult the Mozambique Climate Risk Profile, the CRM toolkit and the CRM annex as important guides for completing each column of the CRM table provided in your sourcebook. The CRM toolkit and annexes can be found at:  
<https://www.climatelinks.org/sites/default/files/2017-05-24%20USAID%20CRM%20Activity%20tool%20%2B%20Annex.pdf>

3. Complete the climate risk screening for the two or three interventions you selected. Ensure you have assigned each intervention a climate risk rating.
4. When you have completed these three steps, discuss the following questions:
  - Who did you consult at the site and was it useful for completing the CRM? What other stakeholders would be helpful to speak with to complete the CRM table?
  - What other information do you need to make your CRM more robust? Do the resources identified in the CRM sessions of the workshop appear to provide what is needed?
  - Once the activity is awarded, what would be the next steps for working with your partner on adaptation implementation?