

Data Analysis Workshop and Adaptation Strategy Development

Arusha Tanzania, 4-6 June 2013

CIAT and CCAFS are dedicated to working with National Partners to develop and implement appropriate site-specific adaptation strategies. CIAT and CCAFS are also committed to capacity development of national partners. CIAT has a long history collaborating with the Tanzania National Agricultural Research Institute. We propose a 3- day data analysis workshop for Tanzania scientists. Specific objectives will be: 1) To demonstrate tools for data analysis, including open-source software “R” and GIS programs; 2) Work with real data sets on modeling agronomic and social data; and 3) develop joint site-specific adaptation strategies for implementation at the Lushoto benchmark site.

Invitees: Scientists from each of the Tanzania Agricultural Research Institutes, (with Policy, or Soils or Agronomy background), staff from Lushoto District Agricultural Office, farmers from Lushoto district, CIAT scientists (soils, ag economics, spatial and climate change analysis experts) (Maximum attendees will be ~25)

Activities and Outputs:

- Knowledge sharing of Land Management/Climate Change projects in Tanzania
- Analysis of agronomic and biophysical data for the Lushoto Benchmark Site.
- Develop appropriate, site-specific adaptation strategies for the Lushoto site.
- Develop an implementation plan for the adaptation strategies.

Partner to host workshop: Selian Agricultural Research Institute (SARI)

Where: East African Hotel, Arusha Tanzania

Date: 4-5-6 June 2013

Venue: East African Hotel, Arusha, Tanzania

Requirements

- Participants should bring their own laptop
- Participants should download R software at: <http://www.r-project.org>
- Participants should download DIVA GIS: <http://www.diva-gis.org/download>

Tentative Agenda:

Tuesday – June 4th

8:30 -9:00 – Registration, East African Hotel

9:00- 9:30 - Introduction from SARI Director. Led by SARI.

9:30-11:00 - SARI past experiences in Lushoto Region, past and current projects, outputs, progress, way forward. Led by SARI.

11:00 – 12:00 – CIAT-CCAFS project, overview. Led by Peter Laderach/Anton Eitzinger/Jennifer Twyman/Leigh Winowiecki/Kelvin Mashisia

12:00-1:00 – Set up computers for afternoon data analysis, load datasets, software

1:00-2:00 – Lunch

2:00- 5:00 – Looking at Socio-economic and gender data – Led by Jennifer Twyman. Kelvin Mashisia. Discuss Results of the surveys. Activity: Show how the information collected is used and what it might imply for cc vulnerability/adaptation. Working with practice datasets. What are the major socio-economic drivers of climate change adaptation strategies?

Wednesday – June 5th

8:30 – 10:30 – Looking into Land Health Datasets: Introduction to R, creating objects, loading datasets, graphical representation. Led by Leigh Winowiecki/Anton Eitzinger/Peter Laderach

10:30- 11:00 – Coffee

11:00 -1:00 – Introduction to GIS crop modeling tools (using Ecocrop) Led by Anton Eitzinger/Peter Laderach/Leigh Winowiecki

1:00 -2:00- Lunch

2: 00 – 4: 00 – Demonstration of DSSAT (crop modeling continued and inclusion soil data into crop models Led by Anton Eitzinger/Peter Laderach

4:00-5:00 – Designing CSA for Lushoto – Farmer’s experience. Led by Jennifer Twyman.

Thursday

8:30 -9:30 – Lushoto District Officers presentation – update on activities in Lushoto. Led by Lushoto District Officer.

9:30 – 1: 00 – Group Activity. Brainstorm session for designing appropriate Land Management strategies (CSA) in Lushoto for implementation. Led by Jennifer Tywman.

1:00- 2:00 – Lunch

Closure