

Data Analysis and Adaptation Strategy Development Workshop Arusha, Tanzania, 4-6 June 2013

Playing out transformative adaptation in CCAFS benchmark sites in East Africa: When, where, how and with whom?

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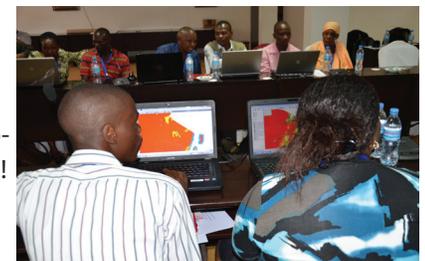
DATA ANALYSIS WORKSHOP AND ADAPTATION STRATEGY DEVELOPMENT
ON 4th - 6th JUNE 2013, AT EAST AFRICAN HOTEL
ARUSHA - TANZANIA



A Unique Opportunity for Teamwork and Collaboration

Bringing together the scientists from different national agricultural institutes, district extension agents, farmers and international research scientists to discuss appropriate Climate Change Adaptation Strategies for the CCAFS Benchmark site: Lushoto, Tanzania allowed for knowledge sharing!

Dr. Lucas Mugendi, Director of the Selian Agricultural Research Institute (SARI) opened the workshop and highlighted the importance of implementing Climate Change Adaptation Strategies and scaling up activities beyond Lushoto. Ndeshi Munisi from SARI and Elizabeth Msoka and Moses Elieza (from Lushoto District Office) shared past and current activities in Lushoto.



Farmers and extension agents explored spatial analysis using DIVA GIS!



Small break out groups provided a venue for knowledge sharing about current farming practices at Lushoto, including identifying important challenges to overcome!

Knowledge Sharing - Kubadilishana Maarifa

Participants received training in data analysis tools such as R statistics and DIVA GIS. With these tools we explored crop suitability of beans across Tanzania and analyzed the variability of soil properties, including the effect of cultivation on soil organic carbon at the Lushoto site!

Participatory sessions were also held to share past experiences, challenges, elements of successful projects, current and past farming practices and more! Feedback session on the participatory workshop as well as the gender and socio-economic surveys conducted in Lushoto provided interesting discussions and highlighted additional considerations for the region.

Next Steps: Implementing Land Management Strategies in Lushoto

Several climate change adaptation strategies were suggested for the Lushoto site. Including engaging community groups to build terraces (matuta ya ngazi) to stop soil erosion; knowledge sharing on best practices for composting farm yard manure for application on the farm to increase soil organic matter; working with the national tree planting program and provide input on contour planting; increasing awareness on zero-grazing; introduce leguminous cover crops to improve soil health and reduce erosion; among others. Increased knowledge sharing between researchers, farmers and extension agents was highlighted as an important activity.

An implementation plan was developed to mobilize communities to build terraces in the seven villages within the Lushoto site for 2013! We hope to work together to improve the ecological resilience of farming practices in Lushoto as a viable climate change adaptation strategy in the region.

A special thank you to George Sayula and Phillemon Mushi from SARI for coordinating the workshop!

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