

**Data analysis and manuscripts writing workshop, 9-13 January 2012**  
**TSBF-CIAT and AGRA Soil Health Programme**

Many researchers of AGRA Soil Health Program (SHP) projects are at a critical stage of analyzing their data and to facilitate publication of their work in good quality journals they need to understand various analysis techniques to improve their chances of publication. As a commitment to bridge this gap and facilitate the AGRA SHP grantees analyze the data generated from their projects, AfNet of TSBF-CIAT and AGRA Soil Health Program have planned for a comprehensive workshop on statistical data analysis in Nairobi from 9 - 13 January 2012.

The aim of the workshop is to provide a comprehensive understanding of statistical concepts relevant to scientific research and to give hands-on experience in applying Genstat software in solving research problems.

**Expected workshop outputs**

At the end of the workshop the participants will:

- Gain broader understanding of what, when and how to use different statistical techniques
- Gain adequate expertise in handling Genstat
- Exposed to various research data in different fields of scientific research
- Able to perform data analysis independently using Genstat
- Get opportunity to share and gain knowledge by interacting with other researchers.
- Have their own data analyzed
- Have one or more draft papers for publication in scientific journals and/ or extension bulletins.

## **Agenda**

### **Monday 9 January 2012**

- 8:30 Registration of participants
- 9:00 Welcome address by AGRA SHP director
- 9:15 Objectives of the workshop by AfNet coordinator
- 9:30 Introduction to workshop
- 9:45 Participants introduction
- 10:00 Experimental design & statistical analysis overview
- 10:45 Overview of GENSTAT
- 2:00 Overview of GENSTAT (continued)
- 4:30 Questions and general discussions

### **Tuesday 10 January 2012**

- 8:30 Getting started working on own data. Ensuring data in right format for analysis
- 10:00 Data exploratory analysis by each participant
- 2:00 Data exploratory analysis by each participant (cont'd)
- 3:30 Presentation by participants of their data exploration results and discussions

### **Wednesday 11 January 2012**

- 8:30 Statistical analyses of grantees data
- 11:00 Statistical analyses of grantees data
- 2:00 Writing of results
- 4:30 Presentations of writing results and discussions

### **Thursday 12 January 2012**

- 8:30 Writing on results
- 2:00 Writing of results
- 4:00 Discussions on the problems encountered & recap of writing sessions

### **Friday 13 January 2012**

- 8:30 Presentations of manuscripts
- 11:00 Finalization of Manuscripts
- 2:00 Discussions and way forward
- 4:30 Evaluations of workshop
- 5:00 Closing remarks