**ANNEX 11 - WORKSHOP TRAINING REPORT AND PROGRAMME**: Banana field trial data collection protocols workshop, NARL, Kawanda Research Station, Kampala, Uganda, 19th - 23 September, 2016.

**TRAINING REPORT**

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| ***TITLE/TOPIC*** | *Banana field trial data collection protocols workshop*  |
| ***ORGANIZING UNIT/PROJECT*** | Bioversity International, under the IITA-led Project: *Improvement of banana for smallholder farmers in the Great Lakes Region of Africa* |
| **DATE AND LOCATION** | 19th – 23 September, 2016, Kawanda research Station, Kampala, Uganda |
| **RATIONALE OF THE TRAINING**  | Ensure data collectors and site managers are trained in the use of standardized data collection methods and mobile data collection tool, to ensure uniform high-quality data collection across the project sites. |
| OBJECTIVES | Enhance data collection conformity and skills. |
| COURSE OUTLINE/DESCRIPTION | Workshop included some formal presentations as well as field and practical demonstration and training; attendees worked together with each other. See below table |
| **PARTICIPANTS ATTENDED** (please break down by gender, and grouping (country, research centers, community, private professional, civil society, government professional, etc.) | 29 attendants in total (trainees and trainers) 9 female, 20 male;See table |
| PREREQUISITE  | Researchers and agricultural staff involved in the East Africa Banana Breeding Project  |
| ***TRAINING LANGUAGE*** | English |
| **LIST OF MATERIALS DISTRIBUTED**  | Viljoen, A., Mahuku, G., Massawe, C., Ssali, R.T., Kimunye, J., Mostert, G., Ndayihanzamaso, P. and Coyne, D.L. 2016. *Banana Pests and Diseases: Field Guide for Disease Diagnostics and Data Collection*. International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria.Coyne, D., Nicol, J. and Claudius-Cole, A. 2014. *Practical plant nematology: a field and laboratory guide*. IITA, Ibadan, Nigeria. Pp 82. |
| **TRAINING METHODS APPLIED** (Methods include: lecture, field visit, panel discussion, multimedia presentation, group practice, etc.) | lectures, demonstrations, field sessions,  |
| **EXPECTATIONS EXPRESSED BY THE PARTICIPANTS AT THE BEGINNING OF THE COURSE** | A view to having assessment methods and tools that are equal across the project to enable comparison |
| HOW FAR HAVE THE EXPECTATIONS BEEN MET? |  |
| **CHALLENGES/BARRIERS ENCOUNTERED** |  |
| **LESSONS/RECOMMENDATIONS** | Essential training to ensure conformity of sampling and assessment tools and practices, for comparison of data collected |
| **OVERALL COST OF HOLDING THE TRAINING** | **Not known.**  |
| ***ATTACHMENT:***1. Calendar
2. List of training materials
3. List of Participants
4. Result of training evaluation
5. Photos
6. Others
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| 4 day training by various trainers from Bioversity, IITA, NARO and Stellenbosch University  |
| See below |
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**Participants**

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| --- | --- | --- | --- |
| **NO.** | **NAME** | **ORGANISATION**  | **EMAIL** |
| 1 | Robooni Tumuhimbise | NARO | rtumuhimbise@hotmail.com |
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| 13 | Inge Van den Bergh | Bioversity | i.vandenbergh@cgiar.org |
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| 15 | George Mahuku | IITA | g.mahuku@cgiar.org |
| 16 | Janet Kimunye | IITA | j.kimunye@cgiar.org |
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| 18 | Deborah Karamura  | Bioversity | d.karamura@cgiar.org |
| 19 | William Tinzaara  | Bioversity | w.tinzaara@cgiar.org |
| 20 | Aman Omondi | Bioversity | b.a.omondi@cgiar.org |
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| 22 | Kennedy Jomanga | IITA | K.Jomanga@cgiar.org |
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| 28 | Jerome Kubiriba | NARO | jkubiriba@kari.go.ug |
| 29 | Emile Arinaga | Bioversity | e\_arinaga@hotmail.com |

Banana field trial

data collection protocols workshop

19-22 September, 2016

NARL, Kawanda, Uganda

Workshop objective

Work package 4 data collectors and site managers are trained in the use of standardized data collection methods and mobile data collection tool, to ensure uniform high-quality data collection across the project sites.

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| Day one: Monday 19th September |
| Time | Session | Session details | Presenter |
| 08:30-09:00 | Registration |  |  |
| 09:00-09:30 |  | Welcome from Bioversity International | Eldad Karamura |
|  |  | Welcome from NARO | Jerome Kubiriba |
| 09:30-10:10 | Introductions | (Name, institution, country & role in project) | Participants |
| 10:10-10:30 | Presentation | Project overview and workshop objectives | Inge Van den Bergh |
| 10:30-11:00 | Break |  |  |
| 11:00-11:45 | Presentation | About EAHB | Deborah Karamura |
| 11:45-12:15 | Presentation | About the NARITA hybrids | Robooni Tumuhimbise |
| 12:15-13:00 | Field practice | Banana plant parts and lifecycle stages  | Rhiannon CrichtonDeborah KaramuraMgenzi Byabachwezi |
| 13:00-14:00 | Lunch break |  |  |
| 14:00-14:15 |  | Welcome remarks from project coordinators | Rony SwennenDanny Coyne |
| 14:15:14:45 | Presentation | Trial group set-up and experimental design | Rhiannon Crichton |
| 14:45-15:15 | Presentation | Mobile data, the tablets and the barcodes | Rhiannon Crichton |
| 15:15-15:45 | Break |  |  |
| 15:45-16:15 | Presentation | Agronomic module | Rhiannon Crichton |
| 16:15-17:00 | Field practice | Agronomic module | Rhiannon CrichtonDeborah KaramuraMgenzi ByabachweziAsher Wilson Okurut |

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| Day two: Tuesday 20th September |
| Time | Session | Session details | Presenter |
| 09:00-13:00 | Presentations | Overview of most important banana diseases:* Nematodes
* Weevils
* Fusarium wilt
* Black Sigatoka
* BXW
* BBTV
 | * Danny Coyne
* William Tinzaara
* Tendo Ssali
* George Mahuku
* Jerome Kubiriba
* Leena Tripathi
 |
| 13:00-14:00 | Lunch break |  |  |
| 14:00-14:30 | Presentation | Nematodes module | Danny Coyne |
| 14:30-15:30 | Field practice | Nematodes module |  |
| 15:30-16:00 | Break |  |  |
| 16:30-17:00 | Presentation | BXW module | Walter OcimatiWilliam Tinzaara |

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| Day three: Wednesday 21st September |
| Time | Session | Session details | Presenter |
| 09:00-10:30 | Presentation | Black Sigatoka, yellow Sigatoka and other leaf spots module | George Mahuku  |
| 10:30-11:00 | Break |  |  |
| 11:00-13:00 | Field practice | Black Sigatoka, yellow Sigatoka and other leaf spots module | Janet Kimunye |
| 13:00-14:00 | Lunch break |  |  |
| 14:00-15:00 | Presentation | Fusarium wilt module | Diane Mostert |
| 15:00-15:30 | Break |  |  |
| 15:30-17:00 | Field practice | Fusarium wilt module | Diane Mostert |

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| Day four: Thursday 22nd September |
| Time | Session | Session details | Presenter |
| 09:00-09:30 | Presentation  | Weevils module | Tendo SsaliWalter OcimatiWilliam Tinzaara |
| 09:30-10:30 | Field practice | Weevils module | Tendo SsaliWalter OcimatiWilliam Tinzaara |
| 10:30-11:00 | Break |  |  |
| 11:00-12:00 | Presentation | BBTV module | Aman Omondi |
| 12:00-13:00 | Presentation | Timing of data collection | Rhiannon Crichton |
| 13:00-14:00 | Lunch break |  |  |
| 14:00-15:30 | Field practice | Complete data collection | Rhiannon Crichton |
| 15:30-16:00 | Break |  |  |
| 16:00-17:00 | Group discussion | Complete data collection | Rhiannon Crichton |



Work package 4 meeting

23 September, 2016

NARL, Kawanda, Uganda

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| Time | Session | Session details | Presenter |
| 09:00-10:30 |  |  |  |
| 10:30-11:00 | Break |  |  |
| 11:00-13:00 |  |  |  |
| 13:00-14:00 | Lunch break |  |  |
| 14:00-15:00 |  |  |  |
| 15:00-16:30 | Break |  |  |
| 16:30-17:00 |  |  |  |

**Banana field trial data collection protocols workshop**

**For the BMGF project “Improvement of banana for smallholder farmers in the Great Lakes region of Africa”**

**19th – 23rd September, 2016**

### Kawanda Biotech Board Room

# INFORMATION FOR PARTICIPANTS

Welcome to Kampala, Uganda. Your help officers for the *Banana field trial data collection protocols workshop* that will take place from 19th – 23 September, 2016 will be Ms. Annette Magala, Ms Esther Arinda, Ms. Siifa B. Lwasa, and Mr. Herbert Mbuga who will be at your service throughout the meeting. Please contact them if you require any assistance during your stay.

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| BD07424_ | MEETING AND HOTEL VENUE**The Meeting will take place at Kawanda Biotech Board Room. A rooming list is attached for your reference. Airport transfer will be organized for all participants when you arrive at the airport. Look out for a Bioversity or Tick Hotel placard.** **The accommodation for participants will be at Tick Hotel: Ketifalawo, Kawempe, Bombo Road / PO Box 30593, Kampala Bombo Rd, Uganda. Phone (+256) 414 566 583.** |
| BD06632_ | REGISTRATIONYou will be given a registration form on the morning of Monday 19th September 2016 in the Board room. Please fill in your details and return it to Esther Arinda or Annette Magala before Noon. In case of any claim, you are advised to write a demand note in your own handwriting and attach the receipts to facilitate the reimbursement process. The reimbursement will be handled by Herbert Mbuga. |
| placset | MEALSFor participants residing at the Tick Hotel, breakfast will be made available. Lunch and teas will be made available at the Kawanda Biotech Board Room. Please let us know if you are strictly a vegetarian so that we can arrange accordingly. A social meeting is being organized for Friday 23 Septemberat a venue to be announced later. |
| j0221903 | **OUT OF POCKET ALLOWANCE**For participant who are not self-sponsored and are residing at the Tick Hotel will receive a modest Out of Pocket Allowance of **$27.25** to cater for the extra bills and super/dinner. NARO and Bioversity participants commuting will a modest transport allowance of **$10.00** plus **$7.00** to assist them in their movement and incidental expenses. Please note that for sponsored participants, Bioversity will cater for accommodation bed and breakfast, tea breaks and lunch. Please ensure that you settle all your extra bills before you depart. (i.e. laundry, phone calls, dinner etc), This out of pocket and transport allowance will be issued on Monday, 19th September, 2016 This out of pocket and transport allowance will be given out by Mr. Herbert Mbuga. |
| dollars | BANKING SERVICES There are not many Forex Bureau in Kawanda. The hotel management can assist participants to obtain local currencies. Rates will vary and it is advisable to consult before you get into the business of changing your money. Avoid individuals who might extend help!  |
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| TAXI3 | LOCAL TRANSPORTBioversity will provide transport for the participants coming from the airport on arrival and departure; participants should contact the organizing committee for transport arrangements. The hotel will provide transport to and from training workshop venue during the workshop days. For those who will need transport assistance you can also contact the organizing committee (Annette, Esther and Siifa).  |
| comptr11 | SECRETARIAL AND OVERSEAS COMMUNICATIONElectronic mail and overseas calls can be placed (at personal cost) at the hotel. Internet facilities will be available in the Kawanda Biotech Board Room. If you need any help with photocopying or printing, the services can be offered by Annette, Esther or Siifa. |
| airtkts | AIR TRAVEL You are required to hand in your boarding Pass to Herbert for accountability purposes. Please note that a **single entry one-month visa** at the airport in Entebbe is approximately **80-100$.** If possible you should have the exact amount as change might not be at hand at the airport. |
| medbag1 | MEDICALIt is recommended that you avoid getting bitten by mosquitoes in the evening; it would be advisable to provide yourself with the mosquito repellant. Please note Bioversity will not be in position to provide health and accident insurance coverage during the period of the training workshop. However, participants should seek help from the meeting secretariat immediately should anyone sense a medical-related condition! Yellow fever vaccination certificate/card is required for entry into Uganda. |
| BD05771_ | SECURITYLike many cities and hotels, it is important to be security conscious at all times. Common rules to guard yourself from being a victim include:* Do not walk alone at night outside the Hotel premises. Always use a recognized taxi service. Ask for assistance from the meeting secretariat when not sure.
* Be wary of people hanging around outside hotels.
* Avoid carrying large sums of money. Expensive jewelry may attract unwelcome company.
* Keep doors locked and valuables out of sight (rooms or vehicles).
* Important telephone contacts for any emergency:
* Annette Magala (+256) 782 985 847
* Siifa B. Lwasa (+256) 701/772 458 181
* Esther Arinda (+256) 701 333 236
* Rhiannon Crichton (+256) 793 488 313
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***Have a pleasant stay!!***