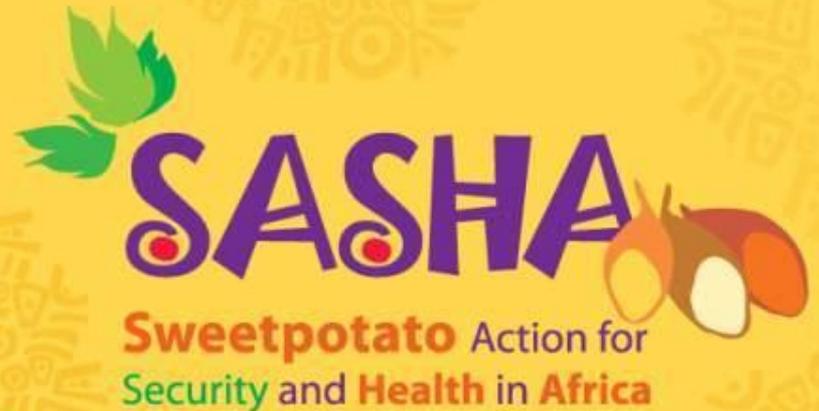


Highlights from Recent Meetings and Events



Jan Low, Project Manager
16 November 2011

Sweetpotato Support Platform Meeting
Eccle Country Hotel, Kampala, Uganda

Reaching Agents of Change Project



Advocacy



Capacity Strengthening

Reaching Agents of Change (Bill & Melinda Gates Foundation):
Mozambique, Tanzania, Nigeria, Ghana & Burkina Faso

Interest Driven by the Successful Completion of *Reaching End Users*



Mozambique nutrition findings accepted by British Journal of Nutrition

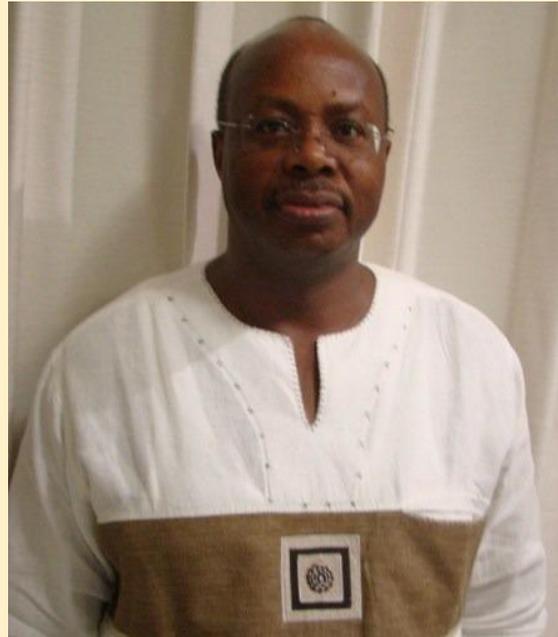
Uganda nutrition findings just submitted to Journal of Nutrition

Results of 4 year research project in Uganda and Mozambique presented at BMGF in September 2010 provided convincing evidence of impact at reasonable cost

New Staff Starting



Chris Muhango
Reaching Agents of Change
Training & Communications Specialist
2 November 2011



Adiel Mbabu
Reaching Agents of Change
17 December 2011

Sonii David
Gender & Advocacy
Specialist
2 November 2011

African Crop Science Meeting

10-13 October 2011



Over 500 scientists
in attendance in
Maputo, Mozambique

African Crop Science Meeting



Half-Day Workshop on Key Findings to date



Session I: Advances in Breeding & Biotechnology

1. Exploiting Heterosis for Vegetatively Propagated Crops (Wolfgang Grunenberg)
2. Accelerating Breeding in Mozambique (Maria Andrade)
3. Trait Integration Breeding for Weevil Resistance (Rukarwa Runyararo)

Session II: Seed Systems

4. Significance of Sweetpotato Seed Systems in East Africa (Richard Gibson)
5. Breaking the “seed” Bottleneck at the household level: The Triple S Method (Richard Gibson)
6. Potential for lowering the cost of media for tissue culture for Sweetpotato (Kwame Ogero)

Session III. Delivering impact on nutrition with Orange-fleshed Sweetpotato

7. Delivering nutrition through orange-fleshed sweetpotato: The Growing Evidence Base (Kabba Joiner & Jan Low)

Panel Discussion on the Challenges of Delivering Sweetpotato at Scale

Participation in Other Events

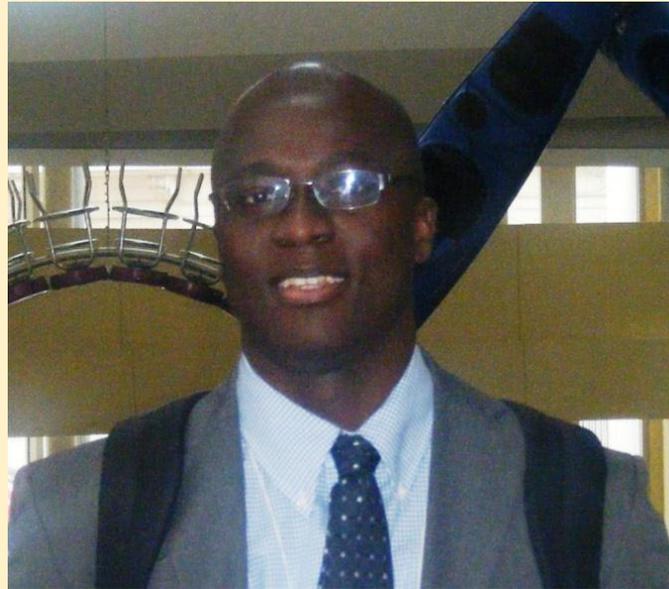


- 1) Kirimi Sindi spoke on OFSP at FAO Working Session on Prevention of Micronutrient Deficiencies and Malnutrition, at PROFAV Africa Regional Workshop, September 26-30, Arusha, Tanzania
- 2) Pamela Anderson (CIP Director General) made Breakfast Meeting Presentation on OFSP on 12th October during World Food Day week
- 3) Ben Lukuyu present results from dual purpose varietal selection (for animal feed) at Agricultural Intensification of the Humid Highlands Systems of SSA 24-27 October 2011
- 4) Mary Oyunga-Ogubi (KARI) present sensory evaluation on OFSP varieties used in Mama SASHA at IFPRI Increasing Food Security and Enhancing Productivity in Africa in Addis Ababa 1-3 November 2011

New Staff Starting



Zelia Menete
Mozambique
Mitigating Disaster
with OFSP
15 October 2011



Frederick Grant
Mama SASHA Project
Bungoma
5 December 2011

SASHA held Year 2 Annual Technical Meeting in Kampala: 13-14 September 2011



Five major programs under SASHA



1. Population Development & Varietal Selection
2. Weevil Resistant Sweetpotato using Transgenics
3. Seed Systems
4. Delivery Systems
5. Management and Sweetpotato Support Platforms



Highlight RP1: Breeding



We have practically demonstrated accelerated breeding in Mozambique



Highlight RP1: Breeding

We have demonstrated experimentally that heterosis can be applied in sweetpotato breeding to dramatically improve storage root yield



RP2: Weevil Resistant Varieties using Transgenics

to develop weevil-resistant sweetpotato varieties for SSA within 5 years

- **Focuses on using *Bacillus thuringiensis* (Bt) sources for weevil resistance**

20 years of conventional breeding failed to identify suitable sources



Sweetpotato with weevil damage

- **Heavy emphasis on training African biotechnologists** (2 Phds, 4 technicians) for Kenya and Uganda utilizing new BeCA platform facilities

Highlight RP2: Weevil Resistance



We have
successful
transformed
the African
variety Imby in
March 2011,
**our first major
GO/NO go
point is GO!**

Highlight RP3: Seed Systems



Storing roots



Sprouted roots planted out to produce vines



After 4 years of research, we have successfully improved on an existing practice to help farmers in areas with a prolonged dry season access vines at the beginning of the rains.

The Triple S System

Highlight RP3: Marando Bora (Better vines for Bigger harvests)



Building on year one's achievement of mass in-vitro multiplication and hardening of over 35,000 tissue culture plantlets, we have completed the first round of dissemination to over 10,000 households. Dissemination in the September-November 2011 season is now underway.



RP4A: Effective Delivery Systems to improve Vitamin A Intake



- Can linking orange-fleshed sweetpotato (OFSP) access and nutritional training to existing health services provide:
 - an incentive to pregnant women to increase health service utilization?
 - lead to increases in consumption of OFSP and other vitamin A rich foods by the women and their young infants?
- Project in Western Kenya: 1st in SSA linking ag to health
- Partners: PATH (International health NGO), CREADIS & ARDAP (two local agricultural NGOs) and CIP

Highlights: RP4 Delivery:



- **Linking OFSP to Health Services for Pregnant Women**
- **Operations research at end of 1 year pilot led to several protocol adjustments**
- **Successfully Conducted Baseline Survey**
 - 968 pregnant women
 - 1,918 mother-child (6-24 month old) pairs
- **Full implementation began April 2011**
 - As of June 16th: 1,296 vouchers issued
 - 798 redeemed (62%).
 - Problem of undependable rains



RP4B: Rwanda Value Chain Project Fully Launched in Year 2



Processing of sweetpotato products offers the opportunity to increase demand for the crop, create value added, and thereby expand the incomes of smallholder producers

The Challenge: Sweetpotato is bulky to transport and out-of-ground storage in SSA not widely practiced. Sweetpotato flour not economically viable at current prices; puree makes good products but building sustainable supply chains is the challenge.

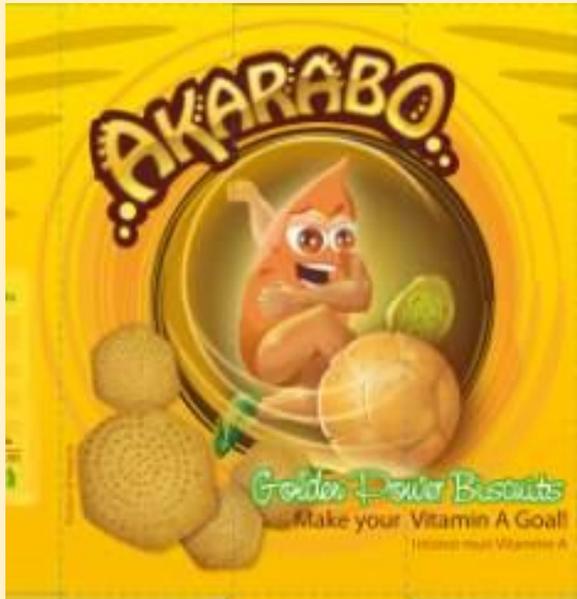


Building a private-public sector partnership in Rwanda:

SINA enterprises, ISAR (national program), KIST, (University), CRS

Highlight: RP4 Delivery

- Selection of **Biscuit** as the first SP-based product to be processed to be launched by SINA by December 2011.



Selection of varieties of SP to be used in the project and training farmers to produce healthy vines and roots
(70,000 SP cuttings available).

Highlight: RP4: Animal Feed



Varietal trials to select best feed variety for dairy silage in Kenya completed:

NASPOT1 the best for dual purpose.

Highlight: RP5 Support Platforms



- Clone Selector, Excel-based, easy for use in SSA, developed to help sweetpotato breeders plan their multi-locational trials, organize their data, and analyze their data
- Version 2.0 now ready with updated user manual

Highlight: Annual *Speedbreeders* Meetings Year 2: 27-30 June 2011 in Mozambique



Sweetpotato Speed Breeders



Improving Germplasm Exchange Infrastructure: A major renovation was done of key facilities at the Kenya Plant Health Inspectorate Services, serving the region



The new propagation house, with temperature-control capabilities



CIP storage facility



3 new screenhouses



10 rehabilitated glass houses



Tissue lab renovations set to begin in fall 2011



RP5: Each Platform with Quality Labs and Clean-up Capacity



Highlight: RP5: Launching & Training on Use of Knowledge Portal



Since 1 July 2011:

- 113 new registered users; total now 296

As of 1 July 2011

- 3,800 visits by 2,100 visitors from 738 cities in 128 countries.
- From Africa, 1,874 visits were registered from 35 different countries



INTERNATIONAL
POTATO
CENTER

CIP research in Sub-Saharan Africa (SSA)

CIP has an ongoing research for development program in Africa with offices in Kenya, Uganda, Mozambique, and Malawi.

Sweetpotatoes

Sweetpotatoes are the classic food security crop in the region, capable of growing on marginal soils and cultivated from sea level to 2300 meters. Just one half cup of rich orange-fleshed sweetpotatoes can meet the recommended daily intake of vitamin A for a healthy child under five years of age. CIP is focused on breeding orange-fleshed sweetpotatoes.

Potatoes

Potatoes are a major subsistence and cash crop in the highlands of Sub-Saharan Africa and with the growth of

May the Passion continue

