Seed Enterprise Management Institute (SEMIs)

Project Highlights 2010-2013

UNIVERSITY OF NAIROBI, CAVS



PI: Professor A. W. Mwang'ombe



Project Implementation

Alliance for a Green Revolution in Africa-AGRA

Phase 1: 3 years (2010-2013)

Institutions

University of Nairobi

PI: Prof. A.W. Mwang'ombe

Management: Prof. F. Olubayo, Dr. Kiarie Njoroge

Dr. D.K. Ndung'u – Project Manager, Florence Kiwunja-Admin. Asst.,

Rosebena Cherono - Field Asst, Francis Maina, Caroline Ndumi, B. Kirangu

CIMMYT:

Dr. John MacRobert (Author-Seed Business Mgt In Africa)

KEPHIS:

DR. Onsando-Director KEPHIS Mr. Kibet

KARI:

Dr. Riungu-Director KARI Muguga

Consultants

Aline O'Connor Funk Paul Seaward Paul Okete

ISU

Dr. Misra Dr. Y. Shyy Dr. Joe Cortes Dr. Mike Stahr

SEED ENTERPRISE MANAGEMENT INSTITUTE (SEMIs)

Overall Goal

- Eradication of food and nutrition insecurity through capacity building of seed actors.
 - quality seed
 - •affordable seed

Objectives:

- 1. To produce seed production and marketing management expertise in SSA region
- 2. To train seed industry practitioners on the best practices to efficiently produce adequate high quality seed for farmers.



3.To enhance production of seed of improved varieties for the SSA

- Efficient production
- Marketing
- Good distribution
- 4. To strengthen the capacity of the SSA region to train on seed production and marketing management strategies
- Enhanced technology

5.To develop a regional capacity to facilitate information sharing on seed issues and related disciplines in SSA.

Growing the Seed Industry in Africa disciplines in SSA.



agra-alliance.org

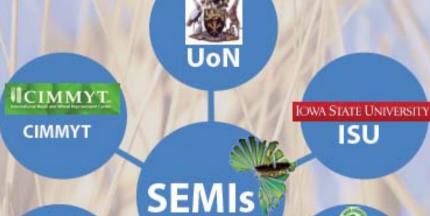


cimmyt.org



kephis.org

SEMIs PARTNERSHIPS



CONSULTANTS







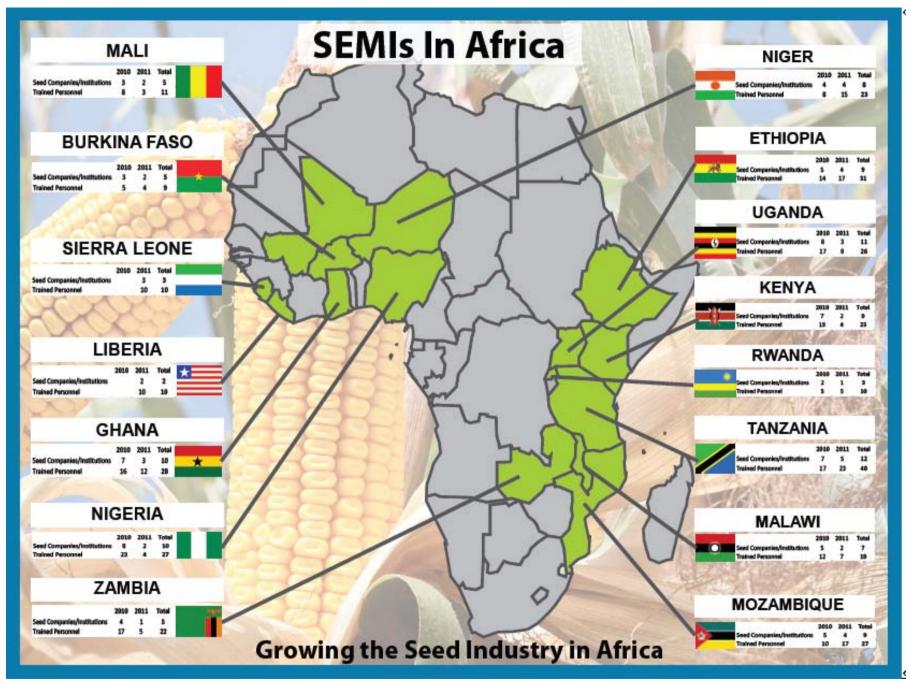


iastate.edu



kenyaseed.com

GROWING THE SEED INDUSTRY IN AFRICA



Over 17 African Countries!!



SEMIS COURSES AT UON:



COURSE	MAIN FACILITATORS
SEED PRODUCTION	UoN/CIMMYT/KARI/KEPHIS, Leldet, Kenya Seed, KEPHIS-Dr. John MacRobert, Dr. Kiarie
SEED DRYING PROCESSING AND STORAGE	UoN/IOWA STATE UNVERSITY/KARI/KEPHIS/SEED COMPANIES-Dryland seed company, KARI katumani; Dr. Shyy
SEED BUSINESS MANAGEMENT	Uon/SCH. OF BUSINESS, ALINE O'CONNOR FUNK, DILIP GOKHALE, SEED COMPANIES
SEED MARKETING	Uon/SCH. OF BUSINESS, CONSULTANTS, DRYLAND SEED COMPANY, LELDET
SEED QUALITY ASSURANCE AND SEED ENTERPRISE	UoN/ISU/KEPHIS/KARI/SEED COMPANIES-Dr. J. Cortes, Mike Stahr

SEMIS SUMMARY: TRAINED PERSONNEL-2010, 2011,2012

Course	2010	2011	2012	Total
Seed Production	29	27	30	86
Seed Drying Processing and				
Storage	31	28	31	90
Seed Business Management	29	26	29	84
Seed Marketing	28	25	30	83
Seed Quality Assurance	30			30
Seed Legislation and				
Accreditation	25			25
Seed Quality Assurance and Seed				
Enterprise Quality Management		26	29	55
Total (Yearly)	172	132	149	452

					other
No.	Country	Total No.	%	Seed companies	Institutions
1	Ghana	52	11.5	11	4
2	Tanzania	50	11.1	11	3
3	Ethiopia	35	7.7	9	1
4	Nigeria	35	7.7	8	3
5	Uganda	35	7.7	6	4
6	Malawi	33	7.3	7	3
7	Mozambique	28	6.2	8	2
8	Zambia	28	6.2	5	2
9	Niger	25	5.5	5	2
10	Kenya	24	5.3	8	1
11	Sierra leone	22	4.9	3	1
12	Mali	19	4.2	4	3
13	Burkina	18	4.0	6	
14	Liberia	16	3.5	3	1
15	Rwanda	16	3.5	3	
16	South Sudan	9	2.0	2	
17	Guinee	4	0.9	1	1
18	Cameroon	2	0.4		1
19	Zimbabwe	1	0.2		1
Total		452		100	33

Students trained at SEMIs-2012

Institution	Qualifications of Students	No
Haramaya University	MSc.	2
Kwame Nkrumah University of Science and technology	MSc.	2
Makerere University	Msc.	2
University of KwaZulu Natal (ACCI)	PhD	2
West Africa Center for Crop improvement	2 PhD, 2 Msc	4
Total		12

Self-sponsored candidates-2012

Course	Institutions	No
Seed Production	FAO-Sierra leone, CIAT (Harvest Plus)	3
Seed Drying, processing and storage	FAO Sierra Leone	2
Seed marketing	FAO Sierra leone	2
Seed Business Management	FAO Sierra leone	2
Seed quality assurance	FAO Sierra leone	2
Total		11

Long Term courses in Seed Technology and Business:

Curriculum already in place for:

- Certificate-Seed Technology and Business
- II. Diploma -Seed Technology and Business
- III. Post-graduate Diploma-Seed Technology and Business
- IV. MSc.-Seed Technology and Business







Expected Rollout of Programme in 2013!



SEMIs Curricula

- Involvement of stakeholders in the development;
- ISU, Consultants, CIMMYT, UON, KARI, Seed Companies
- Annual Review every year to keep abreast on seed Issues and changing trends in the seed industry

One of the best

"thought-through"

and relevant curricula
in Africa focused on
seed

Result



World Class Facilitators:



John MacRobert-CIMMYT



Aline O'Connor –Seed Business mgt



Kiarie Njoroge-UON CAVS



Dr. Yuan Shyy-ISU



Dr. Joe Cortes-ISU



Jenny Leakey-Leldet



KEPHIS

Trained personnel are a Great asset for Seed companies:

The training at SEMIs is helping Scaling up production of high quality seed for farmers around Africa



Dry Land Seed co.

So far over 100 seed companies from over 15 African Countries have benefited from training at SEMIs

Other Activities at SEMIs:

Foundation seed production at CAVS:

Varieties:

- •Meizi mbili
- •Kenya Wonder
- Kenya Red Kidney
 - •Kabete Super
- •Kenya Sugar Bean
- Super Rosecocco









Provision of foundation seed for seed co.

White label seed produced at SEMIs

Year	Tonnage	Variety
2011	700 Kgs	Kenya Umoja
2012	1.7 tonnes	Meizi mbili, Kenya wonder, Kabete super



Presentation of White label breeder seed to Kenya seed company CEO. Mr. Soi at a ceremony at CAVS

"Seed companies all over Africa indicate foundation seed availability and access as a major contributor to low seed production"

SEMIS INFRASTRUCTURE DVPT

Modern Seed laboratory and Seed Processing facility being constructed at CAVS with SEMIs funds

Phase 1: Seed Processing Unit.

•Seed from UNISEED and other seed companies to be processed

Phase 2: Modern Seed Laboratory for Seed Quality Assurance

Seed Quality Laboratory





Phase 1: Seed Processing Unit

Once complete the Seed processing factory will be able to process over 5000 MT of seed:



- Utilization by UON and other seed companies
- •90% complete (Currently painting going on)
- Expected Handover Date: Mid March 2013

Participation in National and Regional Workshops and Meetings on Seed Issues



Agricultural Sector Development forum-Kibaki in attendance

Other meetings	Year
Iowa state University (ToT)	2010
FARA Meeting	2011
KARI congress	2012
STAK congress	2012



Kenya-Agricultural transformation Day in Nairobi



H.E. Mohamed Shein Pres. Of Zanzibar at the AFSTA-Congress Zanzibar

SEMIs at the ASK show in Nairobi



Rosebenna from SEMIs talks to farmers on the New Bean Varieties

SEMIs is a point of call for seed companies:



Seed company personnel with STAK officials call in at SEMIs

- •Agricultural
 /Seed Institutions
 are using SEMIs
 as a port of call
 during meetings
 and visits
- •Point of reference for seed trends.
- •Need to platform this to become the leading seed reference point in Africa

Highlights ...





Experiential training-Visit to the seed industry

Training on Finance and capital Acquisition:

-Root capital and ASIF funding Experts at SEMIs

Collaboration with Stakeholders and Experts:



Dr. Julius Kipng'etich-Director, Kenya Wildlife Services (KWS)

Guest lecture at the seed business module course

Observed Changing trends in the Seed Industry in Africa.....

"as I move across Africa, I see African Farmers have changed their strategy to improved seed"

Dr. Joe DeVries-Director, PASS



Highlights...



Seed Company CEO's- Seed Business Management Course 2011



Nurturing competence in Strategic Seed Business management in Africa

Highlights contd:

Seed Production May 2012:



Seed marketing course 2011





Visiting the seed industry-Visit to SIMLAW seeds

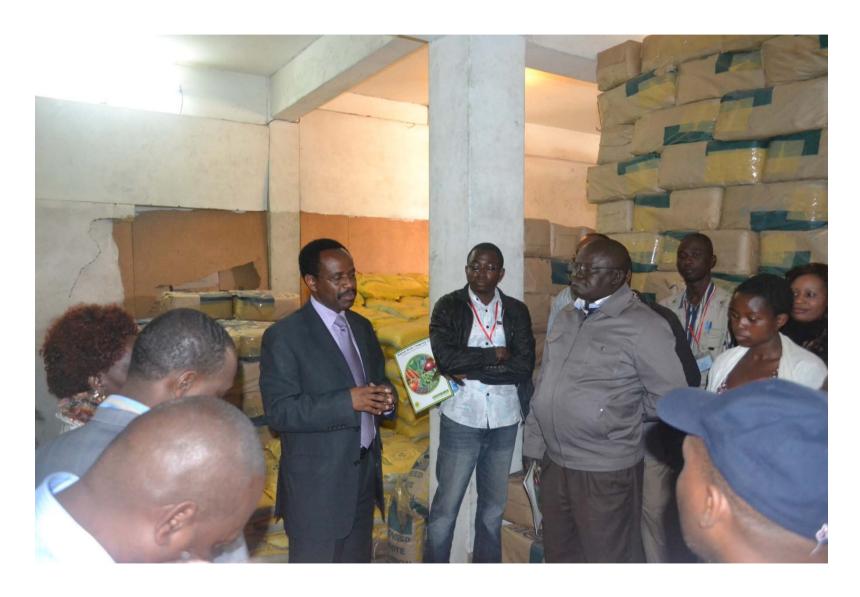
Certificate presentation on Graduation

Seed Business Management-2012



Visit to Dry land Seed company seed store in Machakos

Seed Marketing Course-July 2012



Participants with the MD-Simlaw Seed company Mr. Soi

Seed Processing Course 2012



Familiarization with Certified seed packaging at a seed company in Kenya

Working with consultants to enhance capacity Building



Seed Business Class with Dilip Gokhale

Graduation – Certificate presentations:



Joe DeVries-Director Pass presents certificate and books to participants



Prof. Mwang'ombe-SEMIs PI presenting a certificate to Janet Gyima from Ghana

Rewarding our Participants with certificates at the end of each course motivates them to be better "seed men"

Comments from Participants:

"I like every topic we did in this course especially seed certification and de-taselling " Annonymous.



"The knowledge I have acquired through the course will be highly valued not only in our seed company but in the whole of Zambia"
Dorica Banda Indigenous seed company Zambia



"Previously I did not know how to project seed requirements and co-ordinate backwards for procurement of basic, pre-basic seed..." Now I know" Mr Omari Mduruma-Aminata seed company Tanzania

Monitoring and Evaluation:

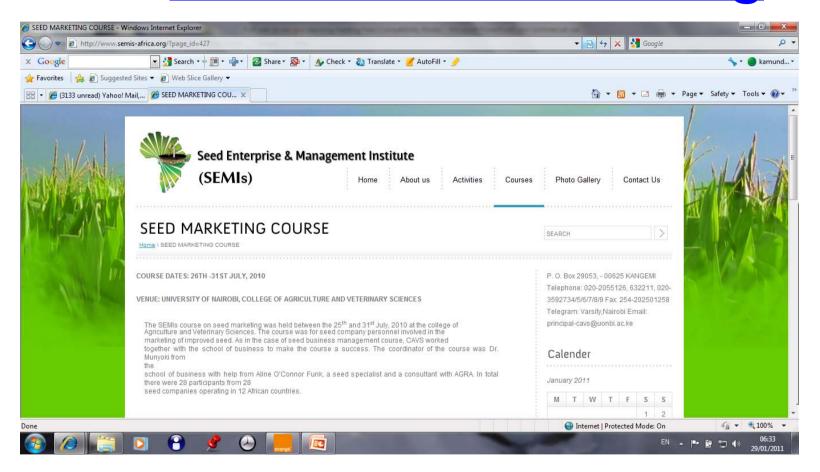
A monitoring and Evaluation team from AGRA visited SEMIs on 19th February 2012 to assess the project





SEMIs Website:

www.semis-africa.org



- Sharing information on seed issues, current happenings in the seed industry in Africa
- Staying in touch with SEMIs participants
- Online registration of Students

