

Seed Enterprise Management Institute (SEMIs)

UNIVERSITY OF NAIROBI, CAVS



Professor Florence Olubayo



Project Implementation

Alliance for a Green Revolution in Africa-AGRA

Total funding:4,495,432.00 USD

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

SEMIs PARTNERSHIPS



agra-alliance.org



cimmyt.org



kephis.org



uonbi.ac.ke



iastate.edu



kenyaseed.com

SEMI S U O N
Seed Enterprises Management In
University of Nairobi

GROWING THE SEED INDUSTRY IN AFRICA

SEMs In Africa

Growing the Seed Industry in Africa

MALI

	2010	2011	Total
Seed Companies/Institutions	3	2	5
Trained Personnel	8	3	11



BURKINA FASO

	2010	2011	Total
Seed Companies/Institutions	3	2	5
Trained Personnel	5	4	9



SIERRA LEONE

	2010	2011	Total
Seed Companies/Institutions	3	3	6
Trained Personnel	10	10	20



LIBERIA

	2010	2011	Total
Seed Companies/Institutions	2	2	4
Trained Personnel	10	10	20



GHANA

	2010	2011	Total
Seed Companies/Institutions	7	3	10
Trained Personnel	15	12	28



NIGERIA

	2010	2011	Total
Seed Companies/Institutions	8	2	10
Trained Personnel	20	4	24



ZAMBIA

	2010	2011	Total
Seed Companies/Institutions	4	1	5
Trained Personnel	17	5	22



NIGER

	2010	2011	Total
Seed Companies/Institutions	4	4	8
Trained Personnel	8	15	23



ETHIOPIA

	2010	2011	Total
Seed Companies/Institutions	5	4	9
Trained Personnel	14	17	31



UGANDA

	2010	2011	Total
Seed Companies/Institutions	8	3	11
Trained Personnel	17	9	26



KENYA

	2010	2011	Total
Seed Companies/Institutions	7	2	9
Trained Personnel	19	4	23



RWANDA

	2010	2011	Total
Seed Companies/Institutions	2	1	3
Trained Personnel	5	5	10



TANZANIA

	2010	2011	Total
Seed Companies/Institutions	7	5	12
Trained Personnel	17	23	40



MALAWI

	2010	2011	Total
Seed Companies/Institutions	5	2	7
Trained Personnel	12	7	19



MOZAMBIQUE



	2010	2011	Total
Seed Companies/Institutions	5	4	9
Trained Personnel	10	17	27



Over 15 African Countries!!

SEMI_s 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 UNIVERSITY/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, LEDET
SEED QUALITY ASSURANCE AND SEED ENTERPRISE QUALITY MANAGEMENT	UoN/ISU/KEPHIS/KARI/SEED COMPANIES-Dr. J. Cortes, Mike Stahr
SEED PRODUCTION FIELD DIAGNOSTIC	UON/KEPHIS/KARI/Seed companies (New for 2014) 
PLANT PROTECTION ORGANIZATIONS (NPPO'S) QUALITY REGULATORS	UON/KEPHIS/KARI/Seed companies (New for 2014) 

SEMIS SUMMARY: TRAINED PERSONNEL- 2010, 2011, 2012, 2013

Course	2010	2011	2012	2013	Total
Seed Production	29	27	30		86
Seed Drying Processing and Storage	31	28	31		90
Seed Business Management	29	26	29	25	109
Seed Marketing	28	25	30	27	110
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	52	505

Students trained at SEMIs

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



Unique 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

Result



One of the best “thought-through” and relevant curricula in Africa focused on seed



World Class Facilitators:



John MacRobert-
CIMMYT



Kiarie Njoroge-UON CAVS



Jenny Leakey-Leldet



Dr. Yuan Shyy-ISU



Aline O'Connor –Seed
Business mgt



Dr. Joe Cortes-ISU



KEPHIS

SEMI's Graduates are big asset to Seed Companies in Africa today!

- The training at SEMIs is helping in scaling up production of high quality seed for farmers around Africa!

- SEMI's graduates together with AGRA have contributed greatly in the increased seed production being experienced in Africa Today!



Participants visit Dry Land Seed co. in Kenya

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- So far over 120 seed companies from over 15 African Countries have benefited from training at SEMIs

Long Term courses in Seed Technology and Business:

Curriculum already in place for:

- I. 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



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Expected Rollout of Programme in 2014 !

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
2013	1.76 tonnes	Kenya Red Kidney, Meizi Mbili

“A major constraint for seed production in Africa is access to foundation seed”!



Professor Mwan'gombe presenting White label breeder's seed to Kenya seed company



Elgon Kenya Seed company Picking up their White label seed

SEMI's INFRASTRUCTURE DVPT

Modern Seed laboratory and Seed Processing facility being constructed at CAVS with SEMI's 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



SEMI's UoN

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Phase 1: Seed Processing Unit

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



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- Utilization by UON and other seed companies

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SEMI's Seed Processing Unit under construction:



SEMI's Seed Processing Line under Construction in China

Seed Sheller Under construction in USA

Seed Processing unit to be operational by end of 2014

SEMIs participates in National and Regional Workshops and Meetings on Seed Issues!



Agricultural Sector Development forum-
President Kibaki in attendance



Kenya-Agricultural transformation Day in Nairobi

Other meetings	Year
Iowa state University (ToT)	2010
FARA Meeting	2011/13
KARI congress	2012
STAK congress	2012/2013



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

SEMI is a "Port" of call for seed sector players:



- Agricultural /Seed Institutions visit SEMIs to share experiences and learn from SEMIs

- Point of reference for seed trends.

- In the future SEMIs is to be plat-formed to become the leading seed reference point in Africa

Seed company personnel from Tanzania with STAK officials visiting SEMIs in 2013

SEMIs Course Highlights ..



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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



Activities Highlights...



Seed Company CEO's- Seed Business Management Course 2011



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SEMI is nurturing competence in Strategic Seed Business management in Africa

SEMI's Highlights contd:

Seed Production Course: May 2012:

Visit to KARI Wheat Rust Resistance Breeding Station-Njoro



Highlights conts: Seed marketing course 2011



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SEMI's participants visiting the
seed in Kenya



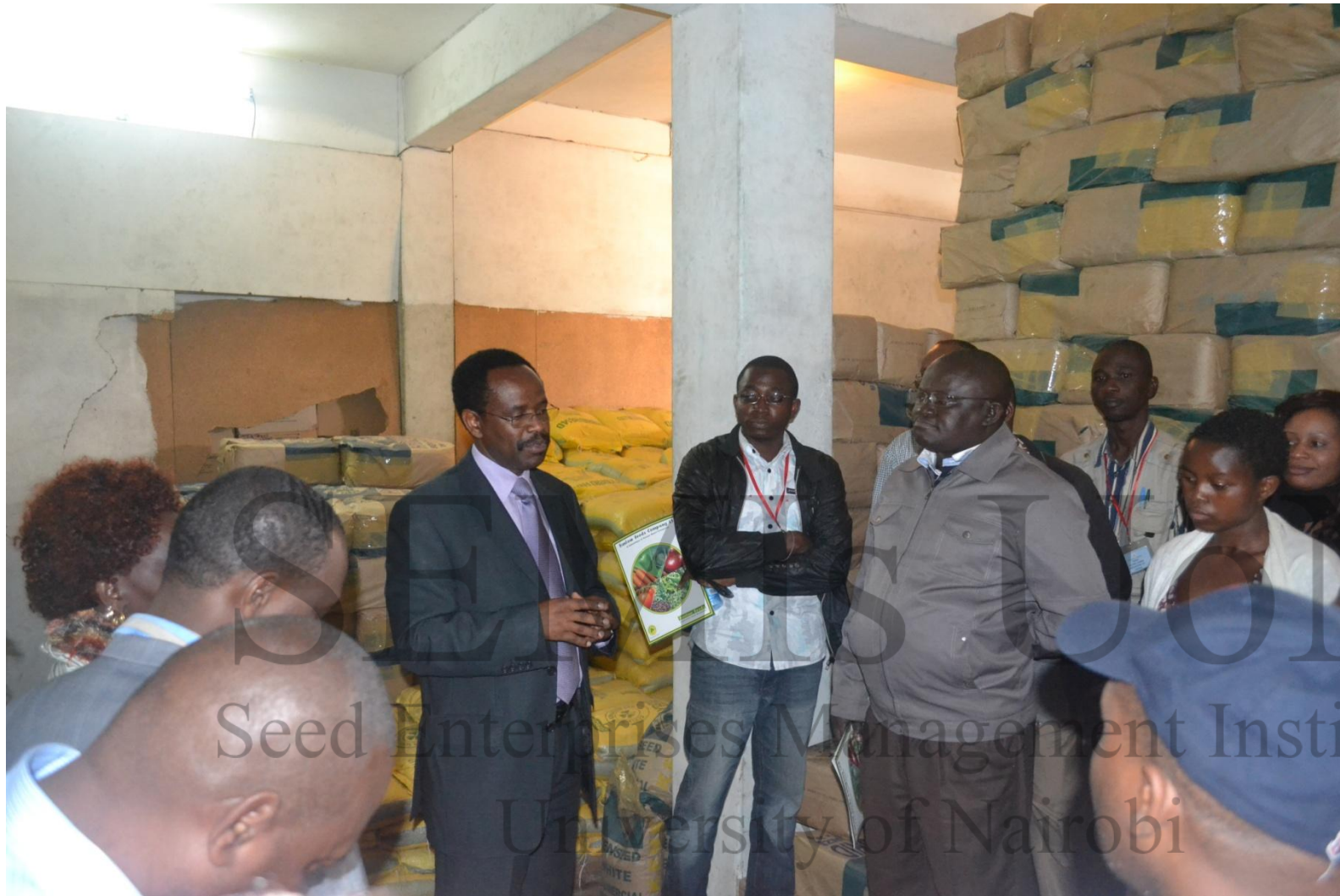
Well Done!-Certificate
presentation upon completion
of SEMI's courses

Seed Business Management-2012



Participants visit Dry land Seed company seed store in Machakos

Activities highlights contd.....: 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

Seed business training at its best in Africa!

- SEMIs is working with highly experienced consultants to enhance capacity building in the seed sector !



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Seed Business Class with Dilip Gokhale-consultant from India

Seed Business Course 2013:



Seed Business course participants being addressed by Dr. Joe DeVries of AGRA

Graduation –Certificate presentations:



Joe DeVries-Director Pass presents certificate and books to participants



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

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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 "
Anonymous .*



*"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:

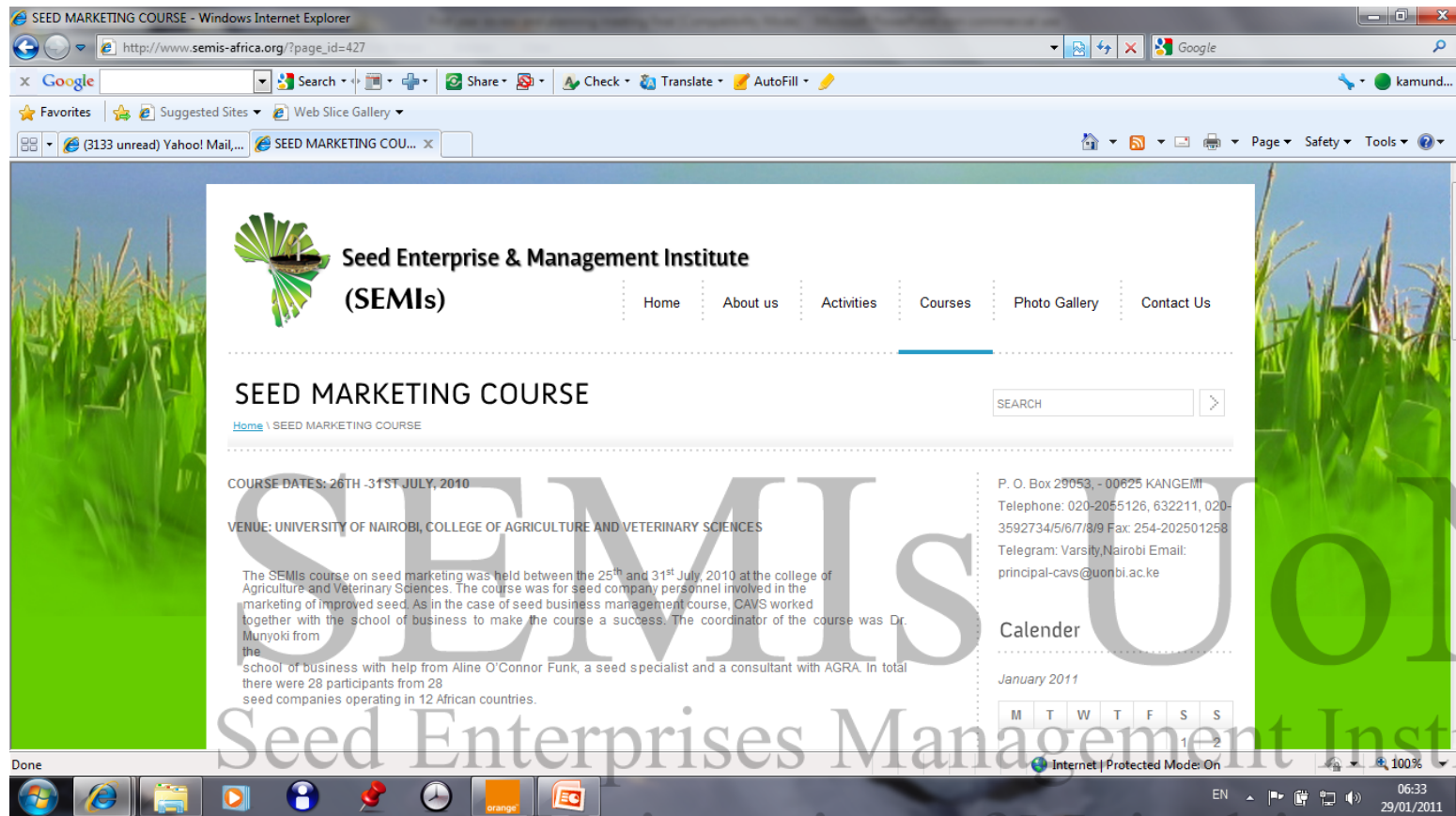
A monitoring and Evaluation team from AGRA visited SEMIs on 19th February 2012 to assess the project



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SEMI's Website:

www.semis-africa.org



SEED MARKETING COURSE - Windows Internet Explorer

http://www.semis-africa.org/?page_id=427

Seed Enterprise & Management Institute (SEMI's)

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SEED MARKETING COURSE

SEARCH

COURSE DATES: 26TH -31ST JULY, 2010

VENUE: UNIVERSITY OF NAIROBI, COLLEGE OF AGRICULTURE AND VETERINARY SCIENCES

The SEMI's course on seed marketing was held between the 25th and 31st July, 2010 at the college of Agriculture and Veterinary Sciences. The course was for seed company personnel involved in the marketing of improved seed. As in the case of seed business management course, CAVS worked together with the school of business to make the course a success. The coordinator of the course was Dr. Munyoki from the school of business with help from Aline O'Connor Funk, a seed specialist and a consultant with AGRA. In total there were 28 participants from 28 seed companies operating in 12 African countries.

P. O. Box 29053 - 00925 KANGEMI
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Telegram: Varsity,Nairobi Email: principal-cavs@uonbi.ac.ke

Calendar

January 2011

M	T	W	T	F	S	S
					1	2
					3	4
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					27	28
					29	30
					31	

Done

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

Proposed Dates for SEMIs Seed Courses in 2014

Course	Suggested Dates
Seed Production	26-31 st May, 2014
Seed Drying, Processing and Storage	01-07 th June, 2014
Seed Business Management	20-26 th July, 2014
Seed Marketing	27 th July-02 August, 2014
Seed Production Field Diagnostic	01-07 th September, 2014
Plant Protection Organizations (NPPO's) Quality Regulators	08-14 th September, 2014
Seed Quality Assurance and Seed Enterprise Quality Management	27 th Oct-08 th November, 2014



**Thank you
for your
attention**

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