

EXTENSIVE LIVESTOCK PROGRAM - Summary

| Day | Wednesday | Thursday | Friday |
|-----------------------|--|---|-------------------------------|
| Time/Date | 4-Nov-15 | 5-Nov-15 | 6-Nov-15 |
| 830 - 900 am | Arrival & Registration | Arrival & Registration | Arrival & Registration |
| 900 - 915 am | Introductions | | |
| Session | 1 | 5 | |
| 915 - 945 am | Extensive Livestock Production Systems | Extensive livestock production policies | Facilitated Marketing session |
| 945 - 1015 am | | | |
| 1015 - 1045 am | | | |
| 1045 - 1100 am | | | |
| 1115 - 1145 am | Tea Break | Tea Break | Tea Break |
| Session | 2 | 6 | |
| 1145 - 1215 pm | Opening Ceremony | Livestock Risk Management | Facilitated Marketing session |
| 1215 - 1245 pm | | | |
| 1245 - 115pm | | | |
| 115 - 200 pm | Lunch | Lunch | Lunch |
| Session | 3 | 7 | |
| 200 - 230 pm | Making markets work | Partnerships & engagement | |
| 230 - 300 pm | | | |
| 300 - 330 pm | | | |
| 330 - 400 pm | Tea Break | Tea Break | |
| Session | 4 | | |
| 400 - 430 pm | Financing Livestock Value chains | Resolutions | |
| 430 - 500 pm | | Closing remarks | |
| 500 - 530 pm | | | |
| 530 - 600 pm | Networking cocktail | | |
| 600 - 630 pm | | | |
| 630 - 700 pm | | | |

EXTENSIVE LIVESTOCK PROGRAM - DETAILED PROGRAM

| Day 1: Wednesday 4 November 2015 | | |
|---|---|--|
| Time | Event / Topic | Responsible person |
| 830 - 900 am | Arrival and Registration | |
| 900 - 915 am | Welcoming Remarks | |
| 915 - 1115 am | Session 1: Extensive Livestock Production Systems | Dr. I.G. Kahiu (K-SALES) |
| 915 - 930 am | Extensive Livestock Breeding | Dr. Josh Odhiambo |
| 930 - 945 am | Extensive Livestock Health | Dr. Caleb Wangia |
| 945 - 1000 am | Extensive Livestock Nutrition | Dr. Stanley Mutua (MoALF) |
| 1000 - 1015 am | Research & Development in Livestock Nutrition | Dr. David Miano (KALRO) |
| 1015 - 1115 am | Panel Discussion | <i>All the above persons</i> |
| 1115 - 1145 am | Tea Break | |
| 1145 - 100 pm | Session 2: Opening Ceremony | TBA |
| 1145 - 1200 pm | Conference Overview | |
| 1200 - 1205 pm | Dean, Faculty of Vet Medicine | |
| 1205 - 1215 pm | Vice Chancellor, University of Nairobi | |
| 1215 - 1225 pm | Principal Secretary, State Department of Livestock | |
| 1225 - 1235 pm | Cabinet Secretary, Ministry of Agric, Livestock and Fisheries | |
| 1235 - 100 pm | Deputy President, Republic of Kenya | |
| 100 - 200 pm | Lunch | |
| 200 - 330 pm | Session 3: Making Markets Work | (KLMC) |
| 200 - 215 pm | Key Note address | Ali Hassan (Neema Slaughter house) |
| 215 - 230 pm | Improving local markets value chain | Dr. Ilona Gluecks |
| 230 - 245 pm | Food safety & Informal markets | Dr. Ann Waters (Prolinnora) |
| 245 - 330 pm | Panel Discussion | <i>above + Mr. Dubat Ali, Fred Lorolua</i> |
| 330 - 345 pm | Tea Break | |
| 345 - 515 pm | Session 4: Financing Livestock Value Chains | Dr. Ilona Gluecks |
| 345 - 400 pm | Innovative Financing - Promoting access to finance in Agriculture | Yida Kemoli (Phatista) |
| 400 - 415 pm | TBA | Dr. I.G. Kahiu (K-SALES) |
| 415 - 430 pm | TBA | Clarisse Aduma (KCB) |
| 430 - 515 pm | Panel Discussion | <i>above + Dr. Ernest Njoroge (USAID)</i> |
| 515 - 615 pm | Networking cocktail | |

| | |
|--------------|---------------------|
| 615 - 715 pm | Networking Cocktail |
|--------------|---------------------|

| Day 2: Thursday 5 November 2015 | | |
|--|---|---|
| Time | Event / Topic | Responsible person |
| 830 - 900 am | Arrival and Registration | |
| 900 - 1030 am | Session 5: Extensive Livestock Production Policies | Dr. George Wamwere |
| 900 - 915 am | TBA | Dr. Julia Kinyua (MoALF) |
| 915 - 930 am | Impact of the National Livestock policy on Extensive Livestock Production | Ms. Angela Wokabi (MoALF) |
| 930 - 945 am | Impact of the Veterinary Policy on Extensive livestock systems | Dr. Kisa J. Ngeiywa (MoALF) |
| 945 - 1000 am | Regulation of Services in Extensive Livestock production | Dr. Mwenda Mbaka (KVB) |
| 1000 - 1100 am | Panel Discussion | <i>All the above</i> |
| 1100 - 1130am | Tea Break | |
| 1130 - 115 pm | Session 6: Livestock Risk Management | Dr. Boniface Kaberia (ACDI VOCA) |
| 1130 - 1145 am | TBA | Gijs Aarts |
| 1145 - 1200 pm | Pastoral Risk Management | Dr. Wolfgang Bayer |
| 1200 - 1215 pm | Livestock Disaster Management | Dr. Judy Kimaru (World Ani Protect) |
| 1215 - 1230 pm | Draught Management | Luigi Luminari (NDMA) |
| 1230 - 115 pm | Panel Discussion | <i>above + Yasin</i> |
| 115 - 200 pm | Lunch | |
| 200 - 330 pm | Session 7: Partnership Engagement | Mr. Ali Hassan (Neema) |
| 200 - 215 pm | TBA | Prof Joshua Ogendo (Egerton) |
| 215 - 230 pm | TBA | Mr. Duncan Wanjiku (CEC Laikipia) |
| 230 - 245 pm | TBA | Dr. Gabriel Turasha (CO Narok) |
| 245 - 330 pm | Panel Discussion | <i>above + Peter Njenga CO Taita taveta</i> |
| 330 - 345 pm | Resolutions | |
| 345 - 400 pm | Closing Remarks | |
| 400 pm et seq | Tea and Departures | |

| Day 3: Friday 6 November 2015 | | |
|--------------------------------------|----------------------|---------------------------|
| Time | Event / Topic | Responsible person |

| | | |
|-----------------------|---|--|
| 830 - 900 am | Arrival and Registration | |
| 900 - 1000 am | Facilitated Networking & Deal making | |
| 1000 - 1100 am | | |
| 1100 - 1130am | Tea Break | |
| 1130 - 1230 pm | Facilitated Networking & Deal making | |
| 1230 - 100 pm | | |
| 115 - 200 pm | Lunch & Departure | |



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CONFERENCE TOPICS & RESOURCE PERSONS

Wednesday 4th Nov 2015: 9.15am – 11.00am

TOPIC: EXTENSIVE LIVESTOCK PRODUCTION SYSTEMS

Moderator: Dr. Ignatius G Kahiu, Chief of Party, USDA Kenya Semi- Arid Livestock Enhancement Support (K-SALES), Land O'Lakes. Tel: 0711 385078, Email: ignatius.kahiu@idd.landolakes.com

Sub topics:

- 1. Extensive Livestock Breeding:** Models that work, New Trends & Practices
Dr. Josh Odhiambo, World Wide Sires (WWS), Tel: 0722 452173. Email: owiajoss@gmail.com
- 2. Extensive Livestock Nutrition:** Models that work, New Trends & Practices
Dr. Stanley M. Mutua, Animal Nutrition and Feed Milling Technology, Ministry of Agriculture, Livestock and Fisheries, Tel: 0719 436691/ 0735 752823. Email: smutuah@yahoo.com
- 3. Extensive Livestock Health:** Models that work, New Trends & Practices
Dr. Caleb WaswaWauduWangia, Ph.D. Tell: 0722-476633, E-mail: cwangia46@yahoo.com
- 4. Research & Development in Livestock Nutrition / Forages-NewTrends**
Dr. David Miano, Kenya Agricultural and Livestock Research Organization (KALRO)

Other interested speakers (Gold & Silver Exhibitors) are:

1. Dr. Nick McHardy, Consultant to Bimeda AMEA (**Control of East Coast Fever**)
2. SIDAI (Speaker to be confirmed)
3. GALVMED (Speaker to be confirmed)

Panel Discussions will involve:

- Question & Answer session: From the Moderator to the Panelists to further clarify presentations earlier made.
- Questions & Answer session: From the audience to the panelists.
- Actionable Points: on improving extensive livestock production systems in ASAL areas going forward.

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BRIEF: EXTENSIVE LIVESTOCK PRODUCTION SYSTEMS

More than 6 million Kenyan pastoralists and agro pastoralists rely on livestock as a source of food and income, with the sector employing half of Kenya's agricultural workforce, generating \$3.9 billion in sales, and representing 12% of the nation's Gross Domestic Product. Therefore livestock plays an important economic and socio-cultural role among many communities in the country. The livestock industry has a high degree of vertical links with upstream and down-stream industries. It is a significant user of products from feeds, drugs, vaccines and equipment manufacturing industries and is a major provider of raw materials for agro-processing industries. Therefore, any shock in the industry will affect the supply chain. Livestock production is dominant in the Northern parts of the county Agro-pastoralists living in Kenya's semi-arid regions struggle to survive in the face of unreliable access to water, cyclical droughts, livestock diseases and limited inputs and services. The key livestock subsectors in the extensive livestock farming are beef, sheep, goats, camel, poultry, piggy and emerging livestock.

To discuss further and have actionable points, the **Mifugo Ni Mali** extensive livestock expo will have experts, both at farm level and high end practitioners share the emerging extensive livestock production systems ó new trends and practices. Specific areas of knowledge and skills sharing will be *Animal Husbandry* - feeding, pasture, breeding, selection; *Animal Health* - inputs supplies, service providers including indigenous knowledge; *Extension services, research and development* and role of *information, communication and technology* in improving livestock production.

EXTENSIVE LIVESTOCK PRODUCTION SYSTEMS SPEAKERS BIOS

Dr. Josh Odhiambo, Extensive Livestock Breeding

Dr. Josh Odhiambo is an experienced Veterinarian with a degree in Veterinary Medicine from Nairobi University. In addition, Josh has skills and experience in Business Development Services (BDS) approach in the Livestock Sector since 2002. In dairy oversight facilitation, Josh, as a Team leader, facilitated Kenya Dairy Sector Competitiveness Program (KDSCP), which was implemented by Land O'Lakes but funded by USAID, in several milksheds including, Transzoia, Kericho and Kiambu counties.

Josh has vast hands-on practice in dairy enterprise in Kenya, Uganda, Malawi, Ethiopia, Burundi and Tanzania. He has a wide range of knowledge in community based dairy improvement projects which include animal health services and inputs delivery systems acquired through training programs and actual involvement since his graduation from the University of Nairobi in 1980.

Dr. Odhiambo is a clear communicator, skilled public relations officer and proven manager. He

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has directed numerous development programs with Land O' Lakes, CNFA/Agmark, Technoserve, BSMDP, DANIDA, ABD and other USAID funded programs. This notwithstanding, as a dairy development professional and agribusiness manager, Josh is results-oriented and focused with business and community livelihood support program skills. He is also experienced in project design, implementation and evaluation.

He will be one of the key speakers at the Regional Extensive Livestock Conference, speaking on "Livestock Breeding and Genetics: Models that work in Extensive Livestock, including Current Trends."

Dr. Stanley M. Mutua, Extensive Livestock Nutrition

Dr. Caleb WaswaWauduWangia, Ph.D, Extensive Livestock Health

Dr. David Miano, Research & Development in Livestock Nutrition / Forages

Dr Nick McHARDY, Control of East Coast Fever

DrMcHardy is a farmer's son. His father was manager of the Petworth (UK) herd of Sussex cattle. He exported many bulls to Southern and Eastern African countries from 1960-1980. DrMcHardy (British) graduated in Zoology from Kings College London (1964) and was awarded a PhD in Parasitology in 1972. He worked for the Wellcome Foundation (Coopers) from 1964-1992. He discovered the activity of imidocarb against anaplasmosis while working at the Wellcome Lab. in Kenya and led the development of Imizol (1973) to treat anaplasmosis and babesiosis. He discovered and developed the first drug, parvaquone (Clexon, 1984, Parvexon, 1998), to treat East Coast fever (ECF) and Corridor Disease (CD), then buparvaquone (Butalex, 1993, Buparvex, 2002) and Parvexon Plus (parvaquone + frusemide, 2003) for advanced cases of ECF and CD. He was Technical Advisor on the ECF Vaccine Programme at NVRC Nairobi (1993-97) and Head of R&D at Bimeda (Dublin) from 1998-2005, where he also led the development of TeatSeal / Orbeseal, the leading non-antibiotic product for the prevention of mastitis in dry cows. Now semi-retired, he visits African countries frequently for Bimeda's product support and training programmes, principally on the control of tick-borne diseases.

Dr Nick McHardy, abstract, control of East cost Fever

The tick-transmitted disease East Coast fever (ECF) is a major problem in extensive farming systems throughout East Africa. ECF kills more than 500,000 cattle each year. It can be cured safely and effectively by drug treatment and it can be prevented by controlling the vector ticks with acaricides, and by the recently introduced live ECF vaccine. However, the vaccine gives no

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protection against the closely related, and equally lethal, Corridor Disease (CD), which is transmitted by ticks that have previously fed on infected buffalo. So, CD can be a big problem under extensive farming systems, where a high proportion of ticks may have fed on infected buffalo that, of course, are never treated with acaricide.

The best way to immunise a herd against both ECF and CD may be by deliberate exposure to infected ticks and treatment with a curative drug during the incubation period of the disease. This natural exposure and treatment (NEAT) system of immunisation has been shown to work well under experimental conditions, and the best blocking drug is likely to be buparvaquone (BPQ, e.g. Buparvex). A single injection of Buparvex can block the infection when given at any time from several days before infection, at any time during the incubation period and during the early clinical stages of both ECF and CD. The Buparvex block may be injected either at a fixed time, perhaps 14 days, after exposure to infected ticks, or to each of the animals when the first of a group of exposed cattle shows early clinical signs of ECF or CD.

Buparvex is likely to be more appropriate in this role than the tetracycline injection (TLA) used to block the ECF vaccine, because TLA works as a block only during the first few days after infection. It does not block once the infection is established. This is fine under the defined circumstances of vaccination against ECF only, but it is much more risky in the NEAT system, because the exact time of infection from wild ticks cannot be accurately ascertained. TLA has no effect in animals that have not yet become infected, or in any that have been infected for more than a few days.

While NEAT immunisation against ECF and CD could probably be successful under well-managed extensive farming conditions, the proven control methods, based on acaricides and curative drugs, may still be preferable in most circumstances. Products containing parvaquone (PQ) or buparvaquone (BPQ), such as Parvexon and Buparvex, are reliable and safe, and Parvexon Plus, containing parvaquone and frusemide, is by far the most effective in advanced cases of ECF and CD. Excellent drugs are available to cure the other tick-transmitted diseases, including anaplasmosis (gallsickness), babesiosis (redwater) and cowdriosis (heartwater) for which no vaccines are available in EA.

Prevention is better than cure is a fine, but very simplistic, slogan in support of ECF vaccination (or a NEAT system to prevent ECF and CD). Farmers need to consider the reliability, manageability, safety and cost of their whole tick and tick-borne disease (TBD) control strategy. It may be that, until a vaccine that is effective against both ECF and CD becomes available (and this is unlikely in the near future) the proven strategies of good tick control and the correct treatment of any clinical cases of ECF, CD and other TBDs that do occur, will continue to be the best way to manage these important diseases in extensive farming systems.

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Wednesday 4th Nov 2015: 2.00pm – 3.30 pm

TOPIC: EXTENSIVE LIVESTOCK MARKETING – MAKING MARKETS WORK

Moderator: Mr Ali Hassan, General Manager, Neema ExportSlaughterhouse

Sub topics:

1. Infrastructure
2. Value addition
3. Private sector engagement
4. Cross border trade
5. Food safety and informal markets (Dr Ann Waters, Prolinnova, Netherlands)

Resource persons (not fully allocated)

1. Dr. IlonaGluecks, Livestock Consultant
2. Dr. Ann Waters, Prolinnova, Netherlands
3. Dr. Ignatius G Kahiu

BRIEF: EXTENSIVE LIVESTOCK MARKETING – MAKING MARKETS WORK

Livestock is the main household asset and a key productive resource for pastoralist communities living in the Arid and Semi-arid areas of Kenya and in the Greater Horn of Africa. Livestock marketing; the process through which live animals change ownership is at the core of the livestock value chain and is critical for improving pastoral household income. Therefore efforts aimed at addressing livestock marketing is seen as a meaningful way of creating an inclusive and competitive market system for the livestock sector thus reducing pastoralists' vulnerability and increasing their resilience. However, this process is faced with a number of constraints such as Inadequate Livestock markets infrastructure and management, poor road networks and distances to markets, inadequate livestock market price information and lack of appropriate policies. There is therefore need for organizations interested in promoting the economic value of livestock to Investigate the potential and relevance of livestock market development, Facilitate links between livestock producing communities and traders, Harmonise market information collection efforts , Improve understanding of cross-border trade, Strengthen producers' bargaining power, understand the dynamics of livestock processing and value addition as well as advocate for policies that can better serve the sector.

The Herding for the Markets conference aims to bring to the table some of this pertinent issues for discussion through a knowledgeable and diverse team of panelists drawn from various categories within the livestock industry.

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EXTENSIVE LIVESTOCK MARKETING SPEAKERS BIOS

Mr Ali Hassan – Key note speaker and moderator

Ali Hassan has over 30 years experience in the development sector with immense experience having worked with the Government, Civil society and the private sector, specifically on the Livestock sector. He also has extensive knowledge of the Kenyan Livestock sector having previously served as the Managing Commissioner of the Kenya Meat commission, a Government owned meat processing facility that was established as a buyer of last resort and has export licenses. While at KMC, Hassan Initiated taking the market to the producers by embracing direct purchase from the livestock producing communities. He is currently the General Manager of Neema Export Slaughter house, a privately owned and run meat processing Company.

Dr. Ann Waters-Bayer - Dr Ilona Gluecks – Livestock marketing Panelist

Ann Waters-Bayer, a Canadian-Dutch sociologist (PhD, Hohenheim University), works with the Netherlands-based international network ProInnova (www.prolinnova.net). She facilitates participatory research and development (R&D) in agriculture to enhance local innovation and seeks to strengthen voices of small-scale farmers (including pastoralists) in R&D. In the early 1980s, Ann worked as socio-economist with the ILCA (International Livestock Centre for Africa) livestock systems research team in Nigeria; since then, she has advised numerous organisations in livestock R&D in Africa and Asia, working with ETC Foundation (Netherlands) for 25 years. She led several reviews, e.g. for the Swiss pastoral development strategy in the Horn of Africa, the IIED Drylands Programme and Cordaid's pastoral development programme in Eastern Africa. She has supported action research, e.g. in the EU-funded JOLISAA (Joint Learning in Innovation Systems in African Agriculture) project and with the CGIAR Research Programme on Aquatic Agricultural Systems (AAS). She is Vice-Chair of EFARD (European Forum for Agricultural Research for Development), a member of the AAS Strategic Leadership Group, core-team member of CELEP (Coalition of European Lobbies for Eastern African Pastoralism) and advisory editor of The Rangeland Journal. Ann has published several articles and books on innovation, ecological agriculture, climate-change adaptation, pastoralist development and gender issues.

Dr. Ann Waters-Bayer, abstract on Food safety & informal markets

Research into food safety in informal markets for animal products revealed that men and especially women in these markets sell products that are nutritious, popular, inexpensive and safer than commonly assumed. Zoonotic disease risk is often reduced by traditional methods of handling and preparing food. Policymakers often promote modernisation of production and marketing of animal-source foods, using the zoonotic-disease argument, and introduce controls that constrain small-scale producers from accessing formal markets. The existing food-safety regulations are often ineffective and drive the poor into illegality, where they are less likely to be motivated to improve their processing and marketing. Informing traders and encouraging them to invest in good

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practices can lead to greater food safety than fines or bans. The research draws attention to the vital role of informal markets for poor people in Africa and reveals misconceptions about such markets. It gives insight into the ethical and equity issues in food-safety control: enforcing strict, top-down food-safety regulations can cause more harm than good, as this hinders poor producers and traders from earning a decent living, hinders poor consumers from accessing nutritious animal-based foods at affordable prices, and hinders efforts to motivate improved food handling to reduce risks of food-borne diseases.

Dr Ilona Gluecks – Livestock marketing Panelist

Dr Ilona Gluecks is a veterinarian by profession with key expertise in livestock husbandry and production as well as the development of multi-donor multi-sector programmes to support food and nutrition security and livelihoods especially in the arid and semi arid lands in the Greater Horn of Africa. Since 1999 she lives in East Africa where she gained experience in leading such programmes focusing on pastoralists and agro-pastoralists areas and the development of strategies to improve private veterinary service delivery and improving local markets along the value chain. Furthermore, having a PhD in the epidemiology of diseases in camel calves, her passion and focus lies in the development of the camel sector in the Greater Horn of Africa and carry out capacity building with key stakeholders. Currently she is a self-employed livestock consultant working as an advisor for large scale commercial ranches and various international NGOs

Wednesday 4th Nov 2015: 2.00pm – 3.30 pm

TOPIC: FINANCING EXTENSIVE LIVESTOCK VALUE CHAINS

Moderator: KLMC

Sub topics:

1. Access to finance; available products in the market, Clarisee Aduma, Agribusiness Development Manager, KCB Bank
2. Insurance
3. Role of ICT in financial access

Resource persons

1. Clarisee Aduma
2. David

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BRIEF: FINANCING EXTENSIVE LIVESTOCK VALUE CHAINS

Financial access and use is a key ingredient in livestock farming. Farmers, input producers and input suppliers who have the ability to access finances have better chance of success and scale up than those who do not have access to finance. Most of the financial services are located in towns thus limiting banking and financial services access to majority of the livestock value chain actors, especially the farmers in ASAL areas. Moreover, financial services are limited and restricted to lending terms that are not favourable to the pastoralist community with majority of whom do not have title deeds mostly accepted by the financial institutions as collateral. Financial institutions have perceived livestock farmers in ASAL areas as risk due to the fact that the pastoralists move with livestock in search for water and pasture. Additionally, the livestock farmers in these regions are susceptible to harsh climatic conditions leading to drought and or floods thus resulting to loss of livestock and property. To mitigate against some of these challenges, banks are rapidly penetrating these ASALS through agent banking and other financial products (like financing for ranches and livestock insurance) targeting the livestock farmers have been developed. To discuss this topic further, the livestock expo will discuss access to finance; available products in the market and role of ICT in financing

FINANCING EXTENSIVE LIVESTOCK VALUE CHAINS SPEAKERS BIOS

Clarisse Aduma

Currently Agribusiness Development Manager at KCB Bank responsible for the agribusiness portfolio, and development of the Bank's agribusiness products through the use of technology and liaison between the Bank and its external agricultural partners such as the USAID and SIDA.

Has previously worked at United Bank for Africa (Kenya) as a senior credit analyst in charge of the USAID Compete project for East Africa amongst other roles such as credit analysis and credit risk monitoring and control as well as operations. Has also worked at Equity Bank as a Credit Manager, where she worked at branch level, appraising Micro, SME and agricultural loans, particularly under the KilimoSalamaprogramme.

Academic qualifications include a degree Agribusiness Development from Egerton University, Certificate in Agriculture Finance from Kenya School of Monetary Studies, Certificate in Sustainable lending to agriculture from the Kenya Institute of Bankers, A certificate in Structured Commodity Financing from the IFC and a Certificate in Coffee Business from Strathmore University. Currently pursuing an MBA at Kenyatta University.

Has developed several new products for the agribusiness portfolio in KCB as well as initiated structures and designed a lending manual for agribusiness at the Bank.

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Thursday 5th Nov 2015: 9.15am – 11.00am

TOPIC: LIVESTOCK POLICY

Moderator: SNV

Subtopics:

1. County, national, regional and Global level
2. Food safety and sanitary standards
3. Animal welfare
4. Investment climate

Resource persons

1. Dr. Julia Kinyua, Deputy director of Veterinary services, SDL
2. Dr. Mwenda Mbaka, Chairman, Kenya Veterinary Board
3. Dr. Kisa J. Z. Juma Ngeiywa, OGW, Chief Veterinary Officer
4. Mr. Dubat Ali, Chairman, KLMC
5. Fred Lorolua, Secretary, Lolkuniani Livestock Market
6. Adan Ali, Camel Pastoralist

LIVESTOCK POLICY SPEAKERS BIOS

Dr. Julia Kinyua, Deputy Director of Veterinary services, SDL

Dr Julia Kinyua is a Deputy Director of Veterinary Services in the State Department of Livestock in Kenya. She has a Bachelor degree in Veterinary Medicine and a Master of Arts in Project Planning and Management from the University of Nairobi. Dr. Julia has over 25 years experience in the livestock sector in various disciplines of veterinary services and has participated in several regional initiatives.

Her other competences include policy and strategy development, SPS, Risk analysis, monitoring and evaluation. Currently, she is working at the Directorate of Veterinary Services headquarters in Nairobi.

For 5 years she was the National Technical Focal Point for the IGAD Livestock Policy Initiative to its very end in 2012. She established the multi stake holder and multi sectoral forum of the Kenya Livestock Policy Hub and played a key role in the development of the IGAD Regional Policy Framework on Animal Health and Trade. Dr. Julia participated towards the development of regional CAADP Compacts for IGAD and EAC (ongoing).

She is the National Livestock Policy Focal Point for the continental programme; Reinforcing

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Veterinary Governance in Africa. She continues to coordinate the National Livestock Policy Hub and is a member of the Country CAADP team.

Thursday 5th Nov 2015: 11.45am – 1.15pm

TOPIC: MANAGING RISKS IN EXTENSIVE LIVESTOCK

Moderator: AgriProFocus

Sub topics:

1. Climate risks
2. Land use, pasture, water, stock routes
3. Community conflicts
4. Price risk management
5. Role of ICT in risk management

Resource persons

1. GijsAarts
2. Dr. Wolfgang Bayer
3. YasinMahadi
4. Luigi Luminari, NDMA

BRIEF: MANAGING RISKS IN EXTENSIVE LIVESTOCK

Extensive livestock is widely considered a high risk sector. This is due to a combination of natural and artificial factors that affect the enterprise. Variable weather patterns that often oscillate from floods to droughts with irregular patterns make it difficult for pastoralists to forecast the weather patterns in the long term. Land pressure often caused by increasing population and the conversion of traditional grazing lands into crop farms, also aggravates a delicate situation. The decreased land for grazing often leads to community conflicts as each tries to secure pasture for their stock.

Various mitigation measures to these risks have emerged to support the pastoralists cope with changing environment. This session will look into various solutions and interventions being undertaken by various stakeholders including pastoralists, government (local and regional), private sector and development sector.

RISK MANAGEMENT SPEAKERS BIOS

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GijsAarts

After graduation at the Wageningen University, Tropical Animal Husbandry, more than 30 years active in the development cooperation of which 10 years abroad. Started as a for FAO and developed to a generalist with a special interest in sustainable rural development and resilience. In the last years mainly dealing with programme management concerning drought related issues in the Horn of Africa:

Backstopping of Emergency and Disaster Risks Reduction programmes, with the objective for communities to be better prepared to eventual disasters.

Resilience building, including Climate Change Adaptation and Natural Resource management.

Innovation of Disaster Risk Reduction and Resilience Approaches, related to the drought prone areas

Dr. Wolfgang Bayer

Wolfgang Bayer is a German agricultural biologist (University of Hohenheim) specialised on tropical animal science. He did postgraduate studies in the Seminar for Agricultural Development and a PhD in tropical animal science (both at Technical University of Berlin) and a post-doc in pasture and rangeland science at Davies Lab in Townsville, Australia, with CSIRO (Commonwealth Scientific and Industrial Research Organisation). In the early 1980s, he worked as animal scientist with the ILCA (International Livestock Centre for Africa) livestock systems team in the subhumid zone of Nigeria. From 1985 onward, he has been a freelance consultant in research and development in livestock systems, particularly pastoralism, and lectured at the University of Göttingen. He has been strongly involved in work on non-equilibrium dryland ecosystems, conservation of farm animal genetic resources, and participatory approaches in smallholder and pastoralist development. Geographically, his main focus is Africa, but he has also worked in India, China and Central Asia. He has (co-)published several books, book chapters and papers in journals and for conferences on his areas of interest. He is a member of the German NGO Agrecol (Association for Agriculture & Ecology) and of the Coalition of European Lobbies for Eastern African Pastoralism (CELEP).

Dr. Wolfgang Bayer extract on Pastoral risk management

Pastoralism is a risky business. Major sources of risks are drought, disease and conflict, which can

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strongly influence pastoralists' lives and livelihoods, and also lead to large fluctuations in prices that pastoralists can get for their livestock and livestock products. Recurrent drought is normal in dryland areas, which are characterised by a great variation in rainfall amount and distribution. Vegetation yield and thus grazing resources vary with rainfall. Recognition of this fact led to the development of the 'disequilibrium theory' in rangeland science, which calls for considerably different range (and risk) management practices than the conventional theory of vegetation succession. As rainfall varies spatially within a given year, maintaining a high degree of livestock mobility is a pastoral strategy to manage localised droughts: the animals are moved to better-watered areas. To manage mobility, pastoralists need good contacts and frequent negotiations with different user groups. Effects of droughts are exacerbated by conflicts or disease outbreaks that can restrict access to certain areas and resources, but also by 'development' projects such as irrigation schemes. Pastoral risks can be mitigated by support to conflict resolution mechanisms and community-based animal health workers and by support from governments to facilitate livestock mobility, e.g. across borders.

Luigi Luminari, Technical Advisor with the Kenyan National Drought Management Authority (NDMA)

Luigi is a widely experienced **Rural Development and Food Security** specialist with over 20 years of experience in international development assistance in **Programme Management, Institutional Capacity Building and Rural Development** and as well as key technical aspects of **Drought Risk Management, Food Security and Community Driven Development**. He has been working in Kenya since 2001

He has a strong experience in working in the subject area of ASAL development and food security, including almost 5 year advisory services within the Ministry for Development of Northern Kenya and Other Arid Lands (MNKOAL) and three year with Ministry of Devolution attached to the NDMA. He has been in the forefront with regard to the institutional building for drought risk management including participation in the formulation of policy and coordination frameworks. He owns a wealth of experience in drought early warning, contingency planning & financing, and community-managed drought risk reduction approaches

Yasin Mahadi Salah

Yasin is Programme Officer at IUCN Eastern and Southern Africa Regional Office in Nairobi under People and Landscapes programme. He is an integrated natural resource and environmental expert with extensive experience in developing and managing projects and initiatives that strengthens the resilience of ecosystems and livelihoods of pastoral and forest dependent communities. Yasin is involved in policy influencing endeavors that improve understanding of

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value of ecosystems, nature based solution to climate change and build requisite capacity of natural resource dependent communities mainly in enhancing integrated natural resource management at landscape level. He has significant expertise in climate change adaptation and mitigation in natural resources, agriculture, forestry, environmental impact assessment and natural resource governance. In all the initiatives he undertakes he thrives to inculcate participatory approach in resource management and strengthening supporting policy that enhances effective governance and sustainable resource utilization. Yasin holds an MSc in Environmental Science from the University of the Witwatersrand and BSc in Forestry, Moi University.

Thursday 5th Nov 2015: 2.00pm – 3.30pm

TOPIC: PARTNERSHIPS & ENGAGEMENT

Moderator: KCBF

Sub topics:

1. County and National Government
2. Donor and development organizations
3. Private sector
4. Producers
5. Research

Resource persons

1. Prof. Joshua O. Ogendo, Associate Professor of Crop Protection (Stored Products Entomology) and Dean, Faculty of Agriculture, Egerton University
2. Hon. Duncan Wanjiru, CEC, Livestock, Laikipia County
3. Hon. Turasha, Chief officer, Livestock, Narok County
4. Hon. Peter Njenga, Chief officer, Livestock, TaitaTaveta

BRIEF: PARTNERSHIPS & ENGAGEMENT

In developing countries, most livestock produced by smallholder pastoralists and farmers are marketed by private entrepreneurs who, operating as a marketing chain, collect, regroup and

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distribute the livestock and livestock products to terminal markets (ILRI 2006). According to the IFAD Strategic Framework 2007-2010, worldwide changes in agricultural marketing systems and production technologies are opening up opportunities for some small farmers in developing countries. But the poorest and most marginalized rural people rarely benefit. It is as a result of this that during the Livestock Expo the theme of partnerships takes center stage. In the expo, academic and research institutions will be sharing their plans and seeking to partner with various stakeholders in livestock industry. County Governments and National Government will also reach out to partners who will be willing to invest in the Country and Counties. Producers will be linked to the buyers and vice versa. Walk in farmers will also like to know livestock products on the markets so will the pharmaceuticals and equipment manufacturing firms meet their current and potential customers. To help meet this demand for partnerships, networking cocktail and business to business sessions have been created to link various partners.

PARTNERSHIPS & ENGAGEMENT SPEAKERS BIOS

Prof. Joshua O. Ogendo is an Associate Professor of Crop Protection (Stored Products Entomology) and Dean, Faculty of Agriculture, Egerton University. Prof. Ogendo holds PhD degree in Agronomy (Crop Protection) from Egerton University (2008), MSc degrees in Agronomy and Grain Storage Management from University of Nairobi (Kenya; 1992) and University of Greenwich (UK; 2001), respectively and a Bachelor of Science degree in Agriculture from University of Nairobi, Kenya (1988). Prof Ogendo has wealth of experience in participatory adaptive research and consultancy services focusing on bio-intensive pest management, enhanced food and nutrition security and livelihoods in smallholder agriculture. Over the past decade, Prof Ogendo has found niche in bio-prospecting for botanical pesticides for bio-control of pre- and post-harvest insect pests of staple food crops. In the recent years (2009-2014), he has widened his research and consultancy domain to span neglected crops (cassava, sweet potatoes, sorghum, and indigenous vegetables), climate change and agro-biodiversity. He is currently involved, as Principal Investigator (PI) and collaborator, in six (6) research projects, funded by African Union, EAAPP/World Bank, KAPAP/World Bank, RUFORUM and Austrian Development Cooperation, in agronomy and related disciplines with particular focus on botanical pesticides, climate change water related vulnerabilities, neglected crops (e.g. cassava, sorghum) and agro biodiversity. Prof Ogendo is a prolific scholar with 23 scientific publications in refereed journals, two (2) book chapters and 34 conference papers/mini-reviews. He is currently the Interim Chair, Pesticidal Plant Technologies Network (PEPTEN), a recently registered national NGO and member of six (6) professional associations. He has successfully supervised three (3) MSc students and currently supervising 4 MSc and 4 PhD student thesis researches in agronomy (crop production, crop protection, plant breeding and weed science), horticulture, stored products entomology (botanical

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pesticides) and agriculture and rural innovation studies.

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