

Adaptation

IDRC  CRDI DFID Department for International Development



CCAA-supported Conference on "Pastoralism and Climate Change Adaptation in Africa"

Programme and Book of Abstracts of the 2010 International Conference on Pastoralism and Climate Change Adaptation in Africa

Utafiti Complex, Egerton University

Dates: 24TH – 28TH May 2010



CCAA-supported Conference on "Pastoralism and Climate Change Adaptation in Africa", 24th to 28th May, 2010

CONFERENCE PROGRAMME

CCAA-supported Conference on “Pastoralism and Climate Change Adaptation in Africa”,
24th to 28th May, 2010
Utafiti Complex, Egerton University, Njoro, Kenya

PROGRAMME COORDINATORS:	
PROF. L. NAKHONE PROF. B. O. BEBE PROF. A. K. KAH	
MASTER OF CEREMONIES:	
DR. M. UDOTO	
MONDAY, 24th May, 2010: ARRIVAL	
DAY ONE	
TUESDAY 25th May, 2010	
8:00 - 8:30	REGISTRATION
8:30 - 9:00	Video 1: Community Perceptions on Adaptive Capacity to Climate Change – H. Radice, and C. Hopkins Video 2: “I Ain’t Got Nothin’,” – Climate Change and Agriculture – Oxfam Music Video - Natalie Jeffers
OPENING SESSION	
VENUE	Utafiti Complex
	CHAIR: PROF. L. NAKHONE
	RAPPORTEURS: Prof. B.O. Bebe Dr. A. Guliye
9:00 – 9.10	OPENING CEREMONY
	Welcoming Remarks: Professor J. K. Tuitoek, Vice-Chancellor, Egerton University
9.10 – 9:20	Welcome address: Africa Academy of Science (AAS) Representative - Patricia Jeconiah
9:20 – 9:50	<u>1st Keynote</u> Title: Observations on Response to Climate Change Adaptation in the Pastoral Regions of Eastern And Southern Africa Speaker: Prof. R. S. Odingo Department of Geography and Environmental studies, University of Nairobi, Kenya

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9:50 – 10:00	Drama sketch: Climate change: time to worry? The School of Performing Arts, Egerton University
10:00 -10:30	2nd Keynote Title: Living Off Uncertainty: The Intelligent Livestock Production of Dry-Lands Pastoralists – Lessons for Climate Change Adaptation. Speaker: Dr. Saverio Krätli, IUAES Commission on Nomadic Peoples, East Sussex, United Kingdom.
10:30-11:00 AM	TEA/COFFEE BREAK/PHOTO SESSION
11:00-11:30	3rd Keynote Title: The Role of Biotechnology in Addressing Challenges of Agricultural Productivity in Sub-Saharan Africa Worsened by Climate Change Threats. Speaker: Prof. Ofelia Omitogun, Head, Department of Animal Sciences, Obafemi Awolowo University, Ile-Ife, Nigeria
PLENARY SESSION	
11:30 – 11:50	Title: Animal Adaptive Characteristics And Herders' Perception of Adaptation to Climate Variability in Pastoral Systems in Arid Kenya Speaker: S. O. Oseni, START Research Fellow, Utafiti Complex, Egerton University, Kenya
11:50-12:00	Title: The Anticipated Impact of Climate Change on Pastoral Communities of Banissa, Mandera Speaker: A. Ali, Centre for Biodiversity, National Museums of Kenya
12:00-12:10	Title: Performance of West African Dwarf Goats Fed Moringa and Bamboo Leaf-Complemented Groundnut Diets in a West African Semi-Arid Region Speaker: V. O. Asaolu, Department of Animal Production & Health, Ladoke Akintola University of Technology, Ogbomosho, Nigeria
12.10 – 12:20	Title: The Social Vulnerability of Rural Households Livelihoods to Drought Impacts in Sithobelweni, Swaziland Speaker: B.I.S Mpanza, Department of Social Studies, Siteki Nazarene High School, Siteki, Swaziland

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12:20 – 12:30	<p>Title: Innovative Approaches to Adapting to Climatic Change in Kenya, Using the Camel</p> <p>Speaker: C.R. Field, Vice-Chairman, Kenya Camel Association, Field Outdoor Enterprises, Ltd, Kenya</p>
12:30 – 12:40	<p>Title: Conceptualisation and Measurement Challenges: Modelling Pastoralists’ Risk and Vulnerability Due to Drought Instigated Livestock Mortality in the Group Ranches of Kenya</p> <p>Speaker: E. Obudho, Department of Plant Sciences & Crop Protection, University of Nairobi, Kenya</p>
12:40-13:10	<p>4th Keynote: Title: Emerging climate change adaptation strategies for pastoral systems.</p> <p>Speaker: Dr. Washington Ochola, Regional Universities Forum (RUFORUM)</p>
13:10 – 14:00	Lunch Break
<p>AFTERNOON SESSION</p> <p>CHAIR: Dr. P. Migwi RAPORTEURS: Dr. G. Obati Dr. R. Mulwa</p>	
14:00 – 14:30	<p>5th Keynote Title: Emerging Responses to Climate Change in Pastoral Systems</p> <p>Speaker: Dr. Yohannes GebreMichael, PROLINNOVA (Ethiopia)</p>
14:30 – 14:40	<p>Title: Evaluating Options for Securing Camel Breeding Stock in the Shift From Pastoral to Peri-Urban Production System in Northern Kenya</p> <p>Speaker: G.S. Mumina, Kenya Agricultural Research Institute (KARI), Marsabit, Kenya</p>
14:40-14:50	<p>Title: Climate and Land-Use and Land-Cover Changes Along Livestock Migration Routes in Eastern Sudan</p> <p>Speaker: H.M. Sulieman,</p>

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	Faculty of Agricultural and Environmental Sciences, University of Gadarif, Sudan
14:50 – 15:00	Title: Observed Response of Tanzanian Pastoralists to Climate Change Through Migration and Adaptation of their Pastoral Systems in the South of the Country Speaker: H. M. Malebo, National Institute for Medical Research, Dar es Salaam, Tanzania.
15:00 – 15:10	Title: Climate-induced Effects on Pastoral and Peri-urban Camel Production in Arid Northern Kenya Speaker: I. M. Noor, Department of Animal Sciences Egerton University, Kenya
15:10 – 15:20	Title: Potential Utilization of Donkeys in Adaptation to Climate Change Stresses Speaker: J.M. Ottaro, Department of Animal Sciences, Egerton University, Njoro, Kenya.
15:20-15:30	Title: African Dryland Alliance for Pesticidal-Plant Technologies (ADAPPT): A Network for Optimising and Promoting the Use of Pesticidal Plants for Food Security & Poverty Alleviation in Africa. Speaker: J.O. Ogendo, Department of Crops, Horticulture and Soils, Egerton, University, Kenya
15:30-16:00	Health Break
CHAIR: Dr. A. Guliye RAPPORTEURS: Dr. R. Birech	
16:00 – 16:10	Title: Opuntia spp: a Best Fodder Option for Pastoral Areas in the Changing Climatic Conditions Speaker: J.N.N. Kang'ara, Animal nutritionist KARI-Embu, KENYA.
16:10 – 16.20	Title: Livelihoods and Climate Change: The Link and Feedback Loop on Wetlands Speaker: Omweri O. Justus, Department of Environmental Science Egerton University, Kenya
16.20– 16.30	Title: Effects of Climate Variability and its Potential Impacts

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	<p>on Pasture in Semi-Arid Zone of West Africa: Case Study of Burkina Faso.</p> <p>Speaker: L. Tiganada, Institut de l'Environnement et de la Recherche Agronomique (INERA)/Burkina Faso</p>
16.30– 16.40	<p>Title: Community-Based Adaptation and Sustainable Land Use Management for Improved Rural Livelihoods in Eastern Uganda</p> <p>Speaker: M. K. Owuor, Association for Strengthening Agricultural Research in Eastern & Central Africa (ASARECA)</p>
16.40– 16.50	<p>Title: Impacts of Drought on Pastoral Livestock of Northern Part of Tanzania</p> <p>Speaker: M.S.H.Mashingo, Ministry of Livestock Development and Fisheries, Department of Pastoral Systems Development. Mandela Road, Dar es Salaam, Tanzania.</p>
16:50– 17:00	<p>Title: Lessons from Operations Research Approach in Helping Pastoralists Adapt to Climate Change Shocks</p> <p>Speaker: J.A.O Magbagbeola Dept. Of Actuarial Science & Insurance, Joseph Ayo Babalola University, Osun State, Nigeria</p>
17:00-17:10	<p>Title: Role of African Indigenous Livestock Breeds and Livestock Biodiversity in the Face of Changing Climate</p> <p>Speaker: E. Ssewanyana and J. Masaba National Livestock Resources Research Institute, Tororo, Uganda</p>
17:10-17:20	<p>Title: Sustainable Management Strategies for River Water Resources in a Changing Climate</p> <p>Speaker: M.K. Mwikali Nakuru, Kenya</p>
17:20-17:30	<p>Title: Participatory Community Mapping and Assessment of Key Pastoral Resources and Areas in Baringo District, Kenya</p> <p>Speaker: M N Mutinda, Department of Natural Resources, Egerton University, Kenya.</p>

DAY TWO	
WEDNESDAY 26th MAY, 2010	
8:00 – 8:30	Day 1 Highlights: Rapporteurs to report
KEY NOTE PRESENTATIONS	
Chair: Prof. I. S. Kosgey	
Rapporteur: Dr. I. Tabu	
8:30-9:00	<p><u>6th Keynote</u> Title: Climate Change and the Challenges of Trans-Boundary Animal Diseases</p> <p>Speaker: Dr. Monicah Maichomo, Kenya Agricultural Research Institute, Kikuyu, Kenya</p>
9:00 – 9:30	<p><u>7th Keynote</u> Title: The Genomic Evolution of African Mammals: Implications for Adapting Livestock Production and Disease Control to the Changing Climate</p> <p>Speaker: Dr. Charles Masembe, Makerere University, Uganda</p>
9:30 – 9:40	<p>Title: Application of Remote Sensing and Rainfall Data for Mapping Rangeland Degradation, North-Eastern Region, Sudan</p> <p>Speaker: M. M. Elhag, University of Gezira, Faculty of Agricultural Sciences, Wad Medani-Sudan</p>
9:40 – 9:50	<p>Title: Selected Literature Review on Potential of Biogas in Mediating Livelihood Needs, Environmental Conservation and Climate Change: Can Pastoralism be Radically Stationalised?</p> <p>Speaker: M. J. Maina, Faculty of Spatial Planning, Technical University of Dortmund Germany</p>
9:50-10:00	<p>Title: Adoption of Alternative Livelihood Options among Pastoralists in Northern Baringo in Response to Climate Change</p> <p>Speaker: S. Muthoka, Department of Human Nutrition, Egerton University, Kenya</p>
10:00 – 10:30	Health Break
10:30 – 10:40	<p>Title: Mainstreaming Climate Change into University Curricula-Issues on Pastoralism, Needs and Processes</p> <p>Speaker: N. Ozor, African Technology Policy Studies Network (ATPS), Nairobi, Kenya</p>

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10:40 – 10:50	<p>Title: The Challenge of Animal Nutritional Needs Under Pastoral Setting in Eastern Africa</p> <p>Speaker: N. K. R. Musimba, Director, Ministry of State for Development of Northern Kenya and other Aridlands, Nairobi, Kenya,</p>
10:50-11:00	<p>Title: Climate Change Adaptation and Improving Food Security in Northern Kenya: Lessons Learnt from IIRR’s CMDRR Approach.</p> <p>Speaker: N. Ngece, International Institute of Rural Reconstruction, Africa Office</p>
11:00-11:10	<p>Title: Adapting Rabbit Production Management Practices to a Changing Climate in the Derived Savannah Zone of Nigeria</p> <p>Speaker: O. O. Ojebiyi , Department of Animal Production and Health, Ladoke Akintola University of Technology, Ogbomosho, Nigeria.</p>
11:10 – 11:20	<p>Title: Building Communal Farmers’ Resilience to Climate Change in the Kamiesberg Through Conservation Stewardship</p> <p>Speaker: Malinda Gardiner, Stewardship Manager, Conservation International, Namaqualand Wilderness Initiative, South African Hotspots Program, South Africa</p>
11:20 – 11:30	<p>Title: Enhancing Community Resilience and Adaptation to Climate Change Impacts in Arid and Semi-Arid Ecosystems in Kenya</p> <p>Speaker: P.K. Ketiem, Kenya Agricultural Research Institute, Mtwapa, Kenya</p>
11:30 - 11:40	<p>Title: Understanding Pastoral – Farmer Conflicts Over Natural Resources in Semi-Arid Regions of Tanzania</p> <p>Speaker: P.L. Mwambene, Livestock Research Institute Uyole, Ministry of livestock Development and Fisheries, Tanzania.</p>
11:40-11:50	<p>Title: Impacts of Climate Variability and Change on Livestock-Based Livelihood in Enkaroni Location of Kajiado District, Kenya</p> <p>Speaker: S. J. Okati Ministry of Livestock Development, Kenya</p>
11:50 – 12:00	<p>Title: Sustainable Pastoralism and Adaptation to Climate Change in Northern Kenya: Challenges and Prospects</p> <p>Speaker: K. O. Farah, Director, Ministry of State for Development of Northern Kenya and other Aridlands, Nairobi, Kenya,</p>
12:00 – 12:10	<p>Title: Policy Challenges in Climate Change Adaptation for</p>

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	<p>Pastoralist Communities in Northern Kenya</p> <p>Speaker: A. M. Ndaruga, National Environment Management Authority – Kenya</p>
12:10 – 12:20	<p>Title: The Status of Camel Production in Semi-Arid Zone of Ethiopia</p> <p>Speaker: Y. Mehari, P.O Box 62824, Addis Ababa, Ethiopia</p>
12:20 – 12:30	<p>Title: Climate Change, Gender and Adaptation Strategies in West and Central Africa</p> <p>Speaker: A.A. Ngenwi, Institute of Agricultural Research for Development (IRAD) Ekona, Republic of Cameroon</p>
12:30 – 12:40	<p>Title: Improving Nutritive Value of Imperata Cylindrica Straw for Drought Feeding of Ruminants</p> <p>Speaker: B. Boukila Department of Animal Sciences, University of Dschang, Cameroon.</p>
13:00 – 14:00	Lunch Break
14:00 – 18:00	<p>Excursion –</p> <p>(a) Lord Egerton Castle</p> <p>(b) University Botanical Gardens</p>
18:30 – 20:00	Cocktail

DAY THREE THURSDAY 27th MAY, 2010	
8:00 – 8:30	Day 2 Highlights: Rapporteurs to report
	CHAIR: Prof. B.O. Bebe RAPPORTEURS: Dr. Thomas Rewe Elias Obudho
8.30 – 9:00	8th Keynote Title: Community Perceptions on Adaptive Capacity to Climate Change Speaker: Holly Radice, Save the Children UK, and CARE, Addis Ababa, Ethiopia
9:00 – 9:30	9th Keynote Title: Practice Pointers in Enabling the Pastoralist to be Feed Secure Speaker: Monica Olala, Ministry of Livestock Development, Nairobi, Kenya
9:30-9:40	Title: Drying-up of Rivers: Implications for Rural Livelihoods and Community Responses in Central and North-Central of Central African Republic Speaker: C-Rufin Nguimalet, Crop Management Research Training Project, Egerton University, Kenya
9:40-9:50	Title: Spill-Over Effects of Pastoralists’ Adaptation to Climate Change on Benthic Macroinvertebrates Speaker: H.T Karanja Department of Natural Resources EgertonUniversity, Kenya
10:00 – 10:30	Health Break
10:30 – 10:40	Title: Women’s Role in Adapting to Climate Variability and Change among Pastoral Communities in Northern Kenya Speaker: N.A Omolo, School of Environmental Sciences – Geography, University of KwaZulu Natal, Durban – South Africa
10:40 – 10:50	Title: Is Value addition in Honey a Panacea for Poverty Reduction in the ASAL in Africa: Empirical Evidence in Baringo, Kenya Speaker: R. M. Berem Department of Agricultural Economics, Egerton University, Kenya
10:50 – 11.00	Title: Climate Effects and Goat Adaptation in Arid and Semi-Arid Lands: A Review Speaker: S.M. Mbuku,

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	Department of Animal Sciences, Egerton University, Kenya.
11:00 – 11:10	<p>Title: Potential for Using Multinutrient Block for Supplementing Feeding of Growing Goats under Climate Change</p> <p>Speaker: F. Tendonkeng University of Dschang, FASA, Department of Animal Sciences, Laboratory of Animal Nutrition, Dschang, Cameroon.</p>
11:10 – 11:20	<p>Title: Successful Adaption Strategies in Pastoral Communities in Northern Nigeria</p> <p>Speaker: A. I. Ayeni, Drought and Desertification Department Federal Ministry of Environment, Abuja, Nigeria</p>
11:20 – 11:30	<p>Title: Assessing Usage of Web 2.0 Tools in Disseminating Climate Information and Services in National Agricultural Systems of Eastern Africa</p> <p>Speaker: O. G. Opile, AICM, Egerton University, Kenya</p>
11:30 – 11:40	<p>Title: Public Perceptions of Genetically Modified Foods and Crops for Enhanced Food Security in the Face Of Climate Change in Kenya</p> <p>Speaker: H. N. Anunda,</p>
11:40 – 11:50	<p>Title: Establishing the “Additionalty” of Fixed Dome Biogas Plants in Bahati, Kenya, for Climate Change Mitigation and Adaptation</p> <p>Speaker J.W. Mwirigi, Department of Environmental Science, Egerton University, Kenya</p>
11:50 – 12:00	<p>Title: Pastoral Indigenous Livestock Feeding and Health Practices in Response to Changing Climate in Nigeria</p> <p>Speaker: J. Gefu National Animal Production Research Institute, Shika, Ahmadu Bello, University, Zaria, Nigeria</p>
12:00 – 12:10	<p>Title: Performance of Murrah Buffaloes at Hot and Humid Climatic Conditions of Tamil Nadu, India</p> <p>Speaker: A.K. Thiruvankadan Associate Professor, Department of Animal Genetics and Breeding, Veterinary College and Research Institute, Namakkal, India</p>
12:10 – 12:20	<p>Title: Climate Change and Desertification in an Unrecognized Country. The Impact of Climate Change on Pastoral Societies in Somaliland</p> <p>Speaker: I. Hartmann, Amoud University Borama, Charlottenburger Ufer, Berlin, Germany</p>

13:00 – 14:00	Lunch Break
14:00 – 14:15	ROUNDTABLE DISCUSSIONS – BACKGROUND, GOALS AND EXPECTED OUTCOME CHAIR: Dr. W. Ochola
14:15 – 16:00	ROUNDTABLE DISCUSSIONS – PARALLEL SESSIONS a. Roundtable 1: Pastoralism and Climate Change Adaptation: Issues, Challenges & Way Forward Anchor: Dr. Saidu Oseni Rapporteur: Dr. N. Ozor b. Roundtable 2: Impact of Climate Change on the Dairy Value Chain (Sponsored by the ValueLead Programme – www.valuelead.org) Anchor: Dr. Thomas Rewe Rapporteur: Elias Obudho
16:00 – 16:30	Health Break
16:30 – 17:00	Report of Round Table Sessions & Plenary Discussions
17:00 – 18:00	CLOSING SESSION: General Recommendations and Way Forward Vote of Thanks CLOSING REMARKS DVC, R&E, Prof. Jude Mathooko DEPARTURE