

## **Borlaug LEAP- Past Fellows Directory (Spring 2007)**

### **Caroline Wambui**

**Country:**

Kenya

**University:**

Egerton University, Kenya

**Department & Degree:**

Animal Sciences, PhD

**US Mentor institution:**

Texas A&M University, AgriLife Research and Extension Center

**CGIAR Mentor Institution:**

International Livestock Research Institute (ILRI)

**Research:**

Tree Browse Species Beneficial for Improved Ruminant Nutrition

**Email:**

[cecewamb@yahoo.com](mailto:cecewamb@yahoo.com)



Dr. Caroline Wambui conducted her PhD research at Egerton University in Kenya on tree browse species that may be beneficial for improved ruminant nutrition. In 2007, she was accepted as a fellow with Borlaug LEAP and partnered with Texas A&M University while completing her studies. She holds a PhD in Animal Sciences and currently lectures at Mount Kenya University.

Dr. Wambui has a clear vision for applying the results of her research to assisting pastoralists and small livestock farmers in Kenya. She understands the importance of the pastoralist to the economic development of small farmers, communities and thus Kenya. A large majority of farmers with small livestock (such as goats) are women who have the ability to increase the productivity of their goats and herds, which could be directly translated into an improved livelihood for families and local communities. By improving the nutrition and animal production of small enterprises such as goat farmers, Dr. Wambui aimed to directly empower women and was focused on how her research could practically assist pastoralists to produce more and to improve living standards. Dr. Wambui has stated that among her goals was the wish to collaborate with organizations outside of an academic setting and, as a leader, she readily engages in work with government officials, NGOs, and ministries.

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## **Emmanuel Tumusiime**

**Country:**

Uganda

**University:**

Oklahoma State University

**Department & Degree:**

Agricultural Economics, MS

**US Mentor institution:**

Oklahoma State University

**CGIAR Mentor Institution:**

International Maize and Wheat Improvement Center (CIMMYT)

**Research:**

Spatial Patterns of Maize Production in the Coastal Lowland Region of Kenya

**Websites:**

[I'm waiting for a revolution in rice that is actually green](#)

**Email:**

[etumusiime@oxfamamerica.org](mailto:etumusiime@oxfamamerica.org)



Former Borlaug LEAP fellow Dr. Emmanuel Tumusiime grew up in Uganda on a small subsistence farm and earned a Bachelor's of Science degree in Fisheries and Aquaculture from Makerere University in 2003. Prior to coming to the US, he worked as an extension officer guiding farmers. As Borlaug LEAP Fellow in 2007/2008, he pursued his Master's degree and conducted field research on the spatial patterns of maize production in the coastal lowland region of Kenya. During his LEAP Fellowship, Dr. Tumusiime was mentored by Dr. Hugo DeGroot, Senior Economist at the International Maize and Wheat Improvement Center (CIMMYT) and Dr. Jeffrey Vitale, Assistant Professor at Oklahoma State University. After completing his Master's in 2008, Dr. Tumusiime enrolled in the PhD program at Oklahoma State University and completed his PhD in Agricultural Economics in July 2011.

Following his graduation, he accepted a post-doctoral researcher position with Oxfam America in Washington D.C. His area of specialization is production and development economics. Dr. Tumusiime's research interests include: technology and policy impact assessment on producer and consumers, constraints to technology adoption and market access in small scale agriculture, and economics of precision farming systems. His goal is to design policies aimed at alleviating food availability constraints and reduce poverty in farming communities.

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## **Marthe Diallo**

**Country:**

Mali

**University:**

Michigan State University

**Department & Degree:**

Crop and Soil Science, PhD

**US Mentor institution:**

Michigan State University

**CGIAR Mentor Institution:**

International Crops Research Institute for Semi-Arid Tropics (ICRISAT)

**Research:**

Understanding Sees Systems Function for Sorghum, Groundnut and Potatoes in Mali

**Email:**

[dialloma@msu.edu](mailto:dialloma@msu.edu)

{No Bio}

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## **Moussa Kone**

**Country:**

Ivory Coast

**University:**

University of Illinois, Urbana-Champaign

**Department & Degree:**

Geography, Environmental Science and Policy, PhD

**US Mentor institution:**

University of Illinois Urbana-Champaign

**CGIAR Mentor Institution:**

Center for International Forestry Research (CIFOR)

**Research:**

Biomass Burning and Land Cover Change

**Email:**

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{No Bio}

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## **Borlaug LEAP- Past Fellows Directory (Fall 2007)**

### **Alex Owusu**

**Country:**  
Ghana

**University:**  
George Mason University

**Department & Degree:**  
Earth Systems and Geoinformation Sciences, PhD

**US Mentor institution:**  
George Mason University

**CGIAR Mentor Institution:**  
International Food Policy Research Institute (IFPRI)

**Research:**  
Detection and Quantification of the Extent of Desertification and its Impact in the Semi-Arid Sub-Saharan Africa: A Case Study of the Upper East Region of Ghana

**Email:**  
[owusuba@yahoo.com](mailto:owusuba@yahoo.com)

{No Bio}



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### **Fredrick Ayuke**

**Country:**  
Kenya

**University:**  
Wageningen University, The Netherlands

**Department & Degree:**  
Soil Biology, PhD

**US Mentor institution:**  
University of California, Davis

**CGIAR Mentor Institution:**  
International Center for Tropical Agriculture (CIAT)

**Research:**  
Effects of Soil Fertility Management Practices on Soil Aggregation and Organic Matter Incorporation and Stabilization: The Role of Soil Macrofauna.

**Email:**  
[fredrick.ayuke@yahoo.com](mailto:fredrick.ayuke@yahoo.com)



Dr. Fredrick O. Ayuke, Soil Biologist and Ecologist, graduated with a PhD from the Department of Soil Quality at Wageningen University in The Netherlands in 2010. His studies funded in part thanks to the World Tropical Research Organization (WOTRO/NWO) of The Netherlands. He is currently a Senior lecturer in the Department of Land Resource Management and Agricultural Technology at the University of Nairobi, Kenya. He is also a consultant with the Tropical Soil Biology and Fertility Institute of CIAT/World Agroforestry Centre.

Since 1996, he has been involved in many research activities dealing with soil biodiversity and their role in ecosystem functioning, among them the Global Environmental Facility (GEF) Project, a United Nations Environmental Programme (UNEP) initiative on Below-ground Biodiversity (BGBD). Most notably, in 2007, he was awarded a Borlaug LEAP Fellowship to co-fund his research activities. He has since published over 20 articles in journals and books on his work in the agricultural field.

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## **Fulgence Mishili**

**Country:**

Tanzania

**University:**

Purdue University

**Department & Degree:**

Agricultural Economics, PhD

**US Mentor institution:**

Purdue University

**CGIAR Mentor Institution:**

International Center for Tropical Agriculture (CIAT)

**Research:**

Grain Legume Trade and Marketing in Eastern and Southern Africa: Spatial and Temporal Analysis

**Email:**

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{No Bio}

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## **Michel Masozera**

**Country:**

Rwanda/Democratic Republic of Congo

**University:**

University of Vermont

**Department & Degree:**

Environment and Natural Resources with specialization in Ecological Economics, PhD

**US Mentor institution:**

University of Vermont

**CGIAR Mentor Institution:**

International Livestock Research Institute (ILRI)

**Research:**

The Economic Impact of Water Management and Diseases on the Livelihoods of Agro Pastoralists and Pastoralist Communities at the Human, Livestock, and Wildlife Interface in the Rungwa-Ruaha Landscape, Tanzania

**Email:**

[mmasozera@wcs.org](mailto:mmasozera@wcs.org)

2007 Borlaug LEAP Fellow Dr. Michel Masozera was born in Zaire (now the Democratic Republic of Congo) after his parents fled the revolution in Rwanda. He moved to Rwanda after completing college and has focused his efforts on the needs of humans and wildlife alike. His masters thesis examined the needs of local communities in the densely populated districts around Nyungwe, and he subsequently established a number of community support projects across the region. As Rwandan country director, he worked ceaselessly to conserve Nyungwe's biodiversity, home for 13 species of primate and some 270 species of bird. He led the first comprehensive biological survey of the forest, which resulted in the reserve being zoned into areas of highest conservation importance and multi-use zones allowing limited resource use by local people. Masozera's efforts were rewarded with the government's creation of Nyungwe National Park in 2004, an enormous commitment for a nation with the highest human population density in Africa.

Masozera established a low-impact ecotourism program for the park, involving habituated chimpanzees and local guides, which in turn will generate revenue for local communities. He also worked on guiding a large UN-funded planning process for all of Rwanda's national parks to generate long-term support for these areas. He is currently at the World Wildlife Fund serving as the Deputy Leader for Wildlife for Africa.

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## **Moses Okpeku**

**Country:**  
Nigeria

**University:**  
University of Agriculture, Abeokuta, Nigeria

**Department & Degree:**  
Animal Breeding, PhD

**US Mentor institution:**  
University of Connecticut

**CGIAR Mentor Institution:**  
International Livestock Research Institute (ILRI)

**Research:**  
Genetic Diversity in Southern Nigerian Goats Using Microsatellite Markers

**Email:**  
[okpekum@yahoo.com](mailto:okpekum@yahoo.com)

{No Bio}



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## **Presidor Kendabie**

**Country:**  
Nigeria

**University:**  
University of Pretoria, South Africa

**Department & Degree:**  
Genetics, PhD

**US Mentor institution:**  
University of Georgia

**CGIAR Mentor Institution:**  
International Institute of Tropical Agriculture (IITA)

**Research:**  
Comparative Genomics and Genetic Analysis of Musa Crop Improvement.

**Websites:**  
[Foodskey - The science behind what you eat and drink](#)

**Email:**  
[p.kendabie@cgiar.org](mailto:p.kendabie@cgiar.org)

{No Bio}



## **Sommarat Chantararat**

**Country:**  
Thailand

**University:**  
Cornell University

**Department & Degree:**  
Economics, PhD

**US Mentor institution:**  
Cornell University

**CGIAR Mentor Institution:**  
International Livestock Research Institute (ILRI)

**Research:**  
Investigating Demand for Index Based Livestock Insurance in Kenya.

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{No Bio}

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