

Title of the proposal	The Potential of Camel Production in Resilience Building to Climate Change in Karamoja, Uganda (CAPREC)
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Co-Researchers	John Herbert Ainembabazi (PhD) International Institute of Tropical Agriculture (IITA) – Uganda 15 Naguru East Road, Naguru P.O.Box 7878 Kampala, Uganda  Aleper Knox Daniel (PhD) Nabuin ZARDI P. O. Box 25 Moroto, Mobile +256392941610 Email: <a href="mailto:aleperdaniel@gmail.com">aleperdaniel@gmail.com</a>
Purpose	To unveil the potential contribution of camel production in resilience building for the pastoral households
Project Summary	<p>In the face of climate change, it is desirable for a community to depict resilience. Resilience is withstanding negative impacts of an event or minimizing vulnerability to negative impacts of an event. The unique physiological, anatomical and ecological adaptations of camels make them as one of the keystone livestock species for food and income security in pastoral areas. However, little is known why the Karamojong are slowly and increasingly adopting camels, and how wide spread the camels are in Karamoja, as well as their contribution to the pastoral livelihoods resilience against climate variability. Further, there is a dearth of information on the camel product value chain in Uganda. The project therefore intends to investigate the potential contribution of camel production in resilience building for the pastoral households in Karamoja. Specific objectives of the project include: to determine the spatio-temporal distribution of camels, determine the factors influencing pastoralist's choice of camel production, determine the contribution of camel production to household well-being, articulate the performance of camel products value chain, and determine the influence of camel production on pastoralist household resilience in Karamoja. It is expected that the contribution of camels in pastoral household resilience will be availed, two MSc graduates trained and at least two peer reviewed publications and one policy brief published.</p> <p>Key words: Camels, resilience, Pastoralists, Karamoja</p>
Country and Specific Locations	Uganda; the specific locations in Karamoja region with significant distribution of camels
Participating Institutions	<ul style="list-style-type: none"> <li>• International Institute of Tropical Agriculture (IITA) – Uganda</li> <li>• Nabuin Zonal Agricultural Research and Development Institute</li> </ul>
Start Date	1 <sup>st</sup> July, 2015
End Date	30 <sup>th</sup> July, 2017
Budget	59,810



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Dr Namaalwa is a Senior Lecturer in the Department of Environment Management, School of Forestry, Environment and Geographical Studies, Makerere University. Dr. Namaalwa pursued PhD studies in Forestry Economics from the Norwegian University of Life Sciences. Dr. Namaalwa has been tasked to teach undergraduate and post-graduate courses in the areas of Resource Economics and Valuation; Forestry Resource Assessment and GIS; Trade in Ecosystems Services; and Forest Management Planning. Dr. Namaalwa has participated in several climate change related studies and consultancies including Adaptation of people to climate change in East Africa: Ecosystem services, risk reduction and human well-being. Another key engagement was in the project which focused on “Mapping poverty and vulnerability in Uganda: A Case study of the Benet Community on Mt. Elgon”, which involved spatial analysis and representation of indicators of human well-being. Currently, I am engaged with a consultancy from the Ministry of water and environment on tracking the progress of the National Adaptation Plan of Action in the 5 climate zones of Uganda including Karamoja. There is additional experience drawn from the various engagements in economic analysis for both the research projects/Consultancies as well as postgraduate student research work.

### Selected Publications

- Nimusiima, A., Basalirwa, C.P.K., Majaliwa, J.G.M., Mbogga, S.M., Mwavu, E.N., Namaalwa, J., Okello-Onen, J. (2014). Analysis of Future Climate Scenarios over Central Uganda Cattle Corridor. *Earth Science & Climatic Change*. 5(10)1-13.
- Namaalwa, J. (2007). Mapping Poverty and Vulnerability in East Africa: Concepts and Methodologies. A discussion paper prepared for the Ford Foundation funded project under the Institute of Law and Environmental Governance (ILEG), Nairobi.
- Namaalwa, J., Banana, A.Y., Gombya-Ssembajjwe, W.S. (2013). Property Rights Regimes and sustainable forest management: Lessons from fourteen years of Monitoring Forest Resources in Uganda. In: Gatzweiler, F.W (ed): *Institutional and Livelihood Changes in East African Forest Landscapes: Decentralisation and Institutional change for sustainable forest management in Uganda, Kenya, Tanzania and Ethiopia*. Pg 231-252. PL Academy Research

### Selected Funded Projects

- **2012-2014:** Adaptation of people to climate change in East Africa: Ecosystem services, risk reduction and human well-being. A CIFOR Trans-boundary (Uganda & Kenya) funded project. Under the Theme “Adaptation of People to Climate Change in East Africa 2012-2014”. **Work Package Leader**
- **2015:** Assessing the progress of implementation of the National Adaptation Programme of Action (NAPA) for Uganda. With Funding from the Australian Government through Action Aid. **Lead Consultant**

