

**KEY QUALIFICATIONS:**

Dr. Laban A. MacOpiyo is an accomplished senior Disaster Risk Resilience and Early Warning specialist with over 15 years' international experience in resilience programming, community adaptation to climate change, early warning systems, pastoral livelihoods programming, Livestock value chains, M&E and Strategy Development in international development project management and evaluations at field and policy levels. He has significant experience with research, training, institutional capacity building and strategy and programme development. As Team Leader for UNDP, he led teams in development of the Community Based Drought Resilience Analysis (CoBRA) Methodology and implementation in Kenya and Uganda and oversaw a team of 77 field monitors and facilitators across the two countries.

His experience as the Chief of Party for the USAID-funded Livestock Early Warning System – he successfully led the development of a proposal to USAID for a Pastoral Livelihoods Initiative Programme in Ethiopia and subsequent overall management of the funded programme from 2005 to 2008. In that project he oversaw a team of 10 people in developing an innovative, \$2 million mobile-based livestock early warning system for Ethiopia, Kenya, Uganda, and Tanzania called the Livestock Information Network and Knowledge System (LINKS). This system enabled USAID and partners make evidence-based interventions for fostering resilience in pastoral areas based on livestock productivity and market based value chains. He has extensive experience liaising with government stakeholders, multilateral and bilateral development agencies and communities in projects dispersed across Eastern and Horn of Africa.

Dr. MacOpiyo has been a lead on many projects focused on Building Resilience for communities in the Horn and Southern Africa and has worked with a number of organizations including UNDP, Consultative Group on International Agricultural Research (CGIAR) institutions, USAID, the Bill and Melinda Gates Foundation, FAO, African Union, AGRA, IGAD, the Governments of the Horn of Africa among others.

He is experienced in institutional capacity-strengthening, training and teaching, including workshop facilitation. Dr. MacOpiyo has also been involved in teaching and developing research programs on resilience and climate-related topics at the University of Nairobi. He holds a PhD in Drylands Ecology and Management and a graduate certificate in Geographic Information Systems from Texas A&M University, USA.

## **EDUCATION:**

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Ph.D. Rangeland Ecology and Management, Texas A&M University, College Station, Texas, 2005.

Post-graduate Diploma,, Geographical Information Systems (GIS), Texas A&M University, College Station, Texas, 2005.

MSc Geography, University of Nairobi, Nairobi, Kenya, 2000.

B.A. Geography, University of Nairobi, Nairobi, Kenya, 1993.

## **RECENT ASSIGNMENTS:**

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- **Consultant, UNWOMEN (Jan– April 2017):** Led the Development of the Kenya Country Humanitarian and Disaster Risk Management Strategy and Programme for UNWOMEN Kenya, 2017–18.
  - **Consultant, UNDP (Feb 2017–March.2017):** Undertook the Community Based Resilience Analysis (CoBRA) for three Drought Prone Districts Malawi.
  - **Consultant, UNDP (July 2016–Sept.2016):** Undertook the Community Based Resilience Analysis (CoBRA) for Two Drought Prone Districts of Malawi.
  - **Consultant, FAO South Sudan: (May 2016–July.2016):** Developed the Livestock Information System for South Sudan
  - **Consultant, OXFAM: (Jan 2016–March.2016):** Developed the Disaster Risk Management Policy for Turkana County, Kenya
  - **Consultant, FAO Djibouti: (Dec.2015–Jan.2016):** Undertook Mapping of Actors/Institutions involved in Resilience and Research in ASALs of Kenya, Ethiopia, Djibouti and conducted assessment of IGAD Region’s State of Resilience Research.
  - **Consultant, UNDP: (Nov. 2015):** Led Development of M&E indicator RBM handbooks for the County Integrated Development Plans (CIDPs) of the Arid and Semi–Arid Counties of Baringo and Turkana in Kenya and Conducted Training for the governments on Results Based M&E
  - **Consultant, UNDP (Nov–December 2015):** Led the Development of the Strategy and Investment Framework for Disaster Risk Management for the Government of Uganda for 2016–2020.
  - **Lead Consultant, IGAD (Sept–October 2015):** Led the formulation process of the IGAD Regional Strategy and Medium–Term Implementation Plan for 2016–2020.
  - **Consultant, UNDP: (July –Sept. 2015):** Developed the M&E and Ending Drought Emergencies (EDE) common programming and investment framework for Kenya.
  - **Consultant, IGAD (Feb 2015–July 2015).** Prepared the IGAD regional level state of the Natural Resources and Environment Protection (NREP) Sector baseline report towards the Formulation of IGAD Regional Strategy and Medium–Term Implementation Plan 2016–2020.
  - **Consultant, IGAD (September 2014).** Prepared a Baseline Study of Agriculture, Livestock and Fisheries Development for Kenya towards the Formulation of IGAD Regional Strategy
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and Medium–Term Implementation Plan 2016–2020.

- **Consultant, CARE International (September 2014).** Conducted an impact assessment of Community–based adaptation (CBA) to Climate Change programme in Garissa County Kenya for the Adaptation Learning Programme (ALP) Project of CARE–International.
- **Consultant, CARE KENYA (May 2014).** Conducted a study evaluating women’s engagement in pastoral livestock value chains in Northern Kenya.
- **Consultant, Catholic Diocese of Lodwar, Turkana (January 2014).** Conducted Training on Sphere, LEGS And Climate–Change.
- **Consultant, Catholic Diocese of Lodwar, Turkana (November 2013 – December 2013).** Conducted a Baseline Market Research and Development study in five Pastoral and Agro–Pastoral locations of Turkana County, Kenya.
- **Consultant, UNDP: (May –Dec. 2013):** National Technical Specialist for Community Based Resilience Analysis (CoBRA) Methodology Pilot Implementation in Kenya.
- **Team Leader, SNV Netherlands Development Organization, Kenya (May 2013– June 2013).** Conducted baseline study of livestock, fodder, milk production and marketing in arid and semi–arid districts of Narok, Kajiado and West Pokot in Kenya.
- **Consultant, Kenya Rural Development Program of the National Drought Management Authority (NDMA–Kenya), Kenya (January 2013 – March 2013).** Conducted Baseline analysis of food security information and data management.
- **Consultant for the Embassy of the Kingdom of the Netherlands, Uganda (February 2012 – May 2012).** Conducted an assessment of investment opportunities in livestock sector in Uganda on behalf of the Kingdom of the Netherlands.
- **Consultant, Alliance for a Green Revolution in Africa (AGRA), Kenya (March 2011 – April 2011).** Defined the spatial sampling framework for AGRA’s monitoring and evaluation activities in the breadbasket areas of Africa
- **International Consultant for VSF–Belgium and the African Union, Uganda (January 2011 – May 2011).** Conducted research on Livestock for Livelihoods: Strengthening Climate Change Adaptation Strategies through Improved Management at the Livestock–Wildlife–Environment Interface in the Kidepo Valley, Karamoja of Northern Uganda.
- **International Consultant, Bill and Melinda Gates Foundation, Ethiopia (June 2010 – December 2010).** Conducted assessment of agricultural data for the Ethiopian Initiative Project.
- **Lead Consultant, VSF–Belgium, Kenya (January 2010 – February 2010).** Conducted an assessment of the potential livestock fodder development in Turkana District.

#### **COUNTRIES OF WORK EXPERIENCE:**

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- Djibouti, Ethiopia, Kenya, Somalia, South Sudan, Tanzania, Uganda, Malawi, Saudi Arabia
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## PUBLICATIONS:

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- Kibet, Staline, Nyangito, Moses, **MacOpiyo, Laban** and Kenfack, David 2016. Tracing innovation pathways in the management of natural and social capital on Laikipia Maasai Group Ranches, Kenya. *Pastoralism*, 6(1): 16.. <http://dx.doi.org/10.1186/s13570-016-0063-z>
  - Wekondi Watete, Wambui-Kogi Makau, Jesse Theuri Njoka, **Laban Adero MacOpiyo** and Stephen Mwangi Mureithi (2016) Are there options outside livestock economy? Diversification among households of northern Kenya. *Pastoralism: Research, Policy and Practice* 6:3
  - S. Abou, A. Madi C. Njomaha A. Wakponou, **L. Mcopiyo**, T. B. Thi Thu, and F. U. Espiritu (2016): Sorghum Farmers' Access to Agricultural Information Related to Water Stress Adaptation Strategies through ICTs in the Semi-arid Region of Cameroon. *Asian Journal of Agricultural Extension, Economics & Sociology*, 12(3): 1-17, 2016.
  - Egeru A, Wasonga O, **MacOpiyo L**, Mburu J, Tabuti J, Majaliwa M (2015) Piospheric influence on forage species composition and abundance in semi-arid Karamoja sub-region, Uganda. *Pastoralism: Research, Policy and Practice* 5:12
  - Anthony Egeru, Oliver Wasonga, Joseph Kyagulanyi, GJ Mwanjalolo Majaliwa, **Laban MacOpiyo** and John Mburu (2014). Spatio-temporal dynamics of forage and land cover changes in Karamoja sub-region, Uganda. . *Pastoralism: Research, Policy and Practice* 4:6
  - Mary Kerubo Morara, **Laban MacOpiyo** and Wambui Kogi-Makau (2014). "Land use, land cover change in urban pastoral interface. A case of Kajiado County, Kenya." *Journal of Geography and Regional Planning* 7, no. 9 : 192-202.
  - Anthony Egeru, Richard Osaliya, **Laban MacOpiyo**, John Mburu, Oliver Wasonga, Bernard Barasa, Mohammed Said, Daniel Aleper & Gilbert-Jackson Majaliwa Mwanjalolo (2014): Assessing the spatio-temporal climate variability in semi-arid Karamoja sub-region in north-eastern Uganda, *International Journal of Environmental Studies*, DOI: 10.1080/00207233.2014.919729
  - Abdi Jama, Robert Kaitho, Jimmy Wu, **Laban MacOpiyo** (2008). A New Toolkit for Monitoring and Forecasting Forage Supply in the Grazing Lands of Eastern Africa. In. C. Lee and C. Schaaf (Eds.), *The Future of Drylands* (pp. 349-358). Springer Netherlands
  - R.J. Kaitho, A.A. Jama, J.W. Stuth, G. Kariuki, A. Abdirahman, **L. MacOpiyo** and J. Ndung'u. (2007) Outlook on Agriculture (Vol. 36, No 4). Livestock early warning information resource in the Horn of Africa: forage and livestock marketing information analysis and forecasts
  - G. Emana, W.A. Overholt, E. Kairu, **L. MacOpiyo** and G. Zhou. (2002) Predicting the Distribution of *Chilo partellus* (Swinhoe) and its Parasitoid *Cotesia flavipes* Cameron in Ethiopia using Correlation, Step-wise Regression and Geographic Information Systems. *The International Journal of Tropical Insect Science – Insect Sci. Applic.* 22:123-129.
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