

Professor Felix Kanungwe Kalaba

Nationality	Zambian DOB 2 nd June 1981
Marital status	Married, with three children.
Contacts	Copperbelt University, School of Natural Resources, Department of Plant and Environmental Sciences, Jambo Drive, P.O Box 21692, Kitwe, Zambia Email: kanungwe@gmail.com / kanungwe@cbu.ac.zm Tel: +260971771043
Education	PhD in Environment (2014) University of Leeds, United Kingdom MSc Forest Science (2007) Stellenbosch University, Republic of South Africa BSc Forestry (with Merit) (2003) Copperbelt University, Zambia
Recognition	<ul style="list-style-type: none">• 2021 Environmental Research Award -ZEMA Environment and Climate Change Awards.• Intergovernmental Panel on Climate Change (IPCC) Lead Author Working Group II Report for the 6th global assessment Report
Languages	English (fluent), Bemba (fluent), Nyanja (fluent), Chewa (fair), Lamba (fair)
Membership of professional bodies	<ul style="list-style-type: none">• Advisory Board Chairperson – African Research Impact Network.• Southern Africa Focal Person- ARIN network• Affiliate Member of the Centre for Climate Change Economics and Policy• Board Chairperson- Global Literature Outreach (GLO) Zambia.• Member of African Forest Forum• International Union of Forest Research Organisations (IUFRO)
Employment record	
2020-Present	Chief Technical Advisor , Envirosmart Solutions
2019 - Present	Associate Professor School of Natural Resources, Copperbelt University, Kitwe, Zambia
2016-2019	Senior Lecturer, School of Natural Resources, Copperbelt University, Kitwe, Zambia
2007-2016	Lecturer, School of Natural Resources, Copperbelt University, Kitwe, Zambia
2013-2014	Research Assistant University of Leeds, United Kingdom
2004-2005	Junior Natural Resources Economist World Wide Fund for Nature (WWF) Southern Africa
Relevant professional experience	
Feb-May 2021	Global Water Partnership Southern Africa and Ministry of Lands and Natural Resources National Adaptation for Climate Resilience- Zambia project Individual consultant to develop the national climate change coordination structures and develop mechanisms for strengthening coordination mechanisms in Zambia. Tasks involved

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- Desk review of climate change coordination structures and reporting mechanisms
 - Policy analysis
 - Stakeholder engagement
 - Training of stakeholder on climate change coordination.
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Nov 2021- WeForest Zambia Limited
January 2022 End-term Evaluation

Lead-Consultant

End-term evaluation of the Copperbelt Farm tree project in Luanshya District. The aim of the project was to improve sustainable management of trees of farm and introduce alternative livelihood strategies to reduce pressure on forests.

Feb-June 2021 Winrock International Institute for Agricultural Development
Offset National Emissions through Sustainable Landscapes (ONE-SL).

Individual consultant

The assignment assessed Zambia’s country level Reduction of Emissions from Deforestation and Forest Degradation (REDD+) implementation and experience to assess need for project nesting and jurisdictional REDD+ implementation

- Document review and analysis of policies and REDD+ project documents.

Jan-April 2021 African Forest Forum

Individual consultant

The assignment aimed at strengthening capacity of African forestry stakeholders on the implementation of forest and tree-based adaptation and mitigation options in different landscapes. Activities included

- Review of literature on integration for forests and tree-based adaptation and mitigation projects
- Policy analysis
- Stakeholder engagements to understand opportunities and challenges for integration.

April - Zambia’s Ministry of National Planning -Transforming Landscapes for Climate Resilience
August 2020 (TRALARD)

Individual Consultant

I developed the livelihood implementation Manual for the project and trained provincial and district level staff on the use of the manual

- Identify livelihood activities in the project area
- Design tools for identification of livelihoods including scaling up into small to medium enterprises
- Workshop facilitation and analysis

Feb - May 2018 Zambia’s Ministry of National Planning

Environment and Natural Resources Expert- Screening climate change policies plans and strategies.

The project aimed to develop guidelines for Screening Climate Change in Sector Policies, Plans and Strategies. The main activities included;

- Undertake a situational analysis on sector policies, plans and strategies to enhance the understanding of the dynamics of the sectors and assess the extent to which climate change considerations have been reflected there in;
- Review international and regional best practices on climate change screening guidelines for adaptation to the Zambian context;
- Develop screening guidelines for mainstreaming Climate resilience into sector policies, plans and strategies. This should include a training module and/or user guide for climate sensitive sectors;
- Develop and elaborate sector-specific and investment-tailored processes and tools for climate change screening;

Feb-August
2018

Zambia's Ministry of National Planning/
Climate change Risk and Vulnerability Assessment in Luapula, Muchinga, Northern and Western Provinces of Zambia

Land Use, Forestry and Natural resources expert

- Review and analysis of climate risk and vulnerability for the forestry, agriculture and related sectors and analyse Zambia's policy framework
- Workshop facilitation and analysis
- Development of district risk profiles and investment analysis
- Drafting and finalisation of situation analysis, district risk profiles, and investment options.

2017 – 2018

Food and Agriculture Organisation (FAO)
Sustainable Forest and Woodland Management for Food and Nutrition Security in Western Province of Zambia

National Consultant (Forest Tenure)

- Conduct the assessment of the current forest tenure system against the Voluntary Guidelines on Responsible Governance of Tenure (VGGT);
- Policy analysis of forestry, energy, wildlife, agriculture policies and their implications on sustainable management of forest resources for food security.
- Conduct key informant interviews with various stakeholders and traditional authorities

Oct – Nov
2017

Zambia's Ministry of National Development/OneWorld Sustainable Investments
Baseline Climate Risk and Vulnerability Assessment and Vulnerability Tool development in Northern Zambia

REDD+ and Forestry Analyst and Advisor

- Workshop facilitation and participatory analysis and capacity development at provincial levels
 - Conducted climate risk and vulnerability landscape assessment and development of a vulnerability tool
 - Conducted risk and vulnerability mapping and assess policy responses and priority adoption and mitigation action
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	<ul style="list-style-type: none"> Identified entry points in the Zambia policy framework for landscape management and planning
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Mar – June 2017	<p>World Bank Market Study of Forestry and Agroforestry Sector in Zambia; and Co-drafting and finalisation of Zambia’s Forest Investment Plan</p> <p>Consultant</p> <ul style="list-style-type: none"> Conducted a market study of forestry and agroforestry sector in Zambia, to develop an overview of the opportunities, challenges and potential of reducing GHG emissions and achieve economic co-benefits, social and through forest environmental investments. Analysed the policy framework that affects investment in the forestry sector. Provided a detailed analysis of some projects and specific interventions that could be included in the Investment Plan. Co-drafting and finalising of Zambia’s Forest Investment Plan.
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April- November 2015	<p>SNV- Netherlands Development Organisation End-term Evaluation of the Trade and Investment Project for Enhanced Competitiveness of Zambia Apiculture Sector.</p> <p>Consultant</p> <ul style="list-style-type: none"> Measured outcomes and impacts of the project among intended beneficiaries and other stakeholders The evaluation was based on a criteria that used a range of investigative factors that included relevance, effectiveness, efficiency, impacts and implementation processes, learning and sustainability.
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2015	<p>United Nations Convention to Combat Desertification (UNCCD)/Foundation for Sustainable Development Mapping and Assessment of Ecosystem Services in Tanzania, Zambia and South Africa</p> <p>Consultant</p> <ul style="list-style-type: none"> Facilitated and participated in meetings with partners, stakeholders and international project researchers, agriculture, government and NGOs. Analysed ecosystem threats, land management practices, ecosystem services supply and values Analysed current management practices and policies that impact on management of ecosystems. Collected relevant existing (spatial) datasets on: i) biophysical state and processes to assess ecosystem functioning; ii) key social indicators, including ES accessibility, land rights; iii) current land management practices and policies; and iv) proxies for ES values.
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2014 – 2015	<p>University of Leeds REDD+ and Land tenure in Zambia <i>Research Associate</i></p> <ul style="list-style-type: none"> Facilitated and participated in meetings with forest users to understand lessons from past JFM projects, and how land tenure systems affected forest dependent communities and benefits from forests. Conducted focus group meetings, key informant interviews and household surveys in rural communities to understand the various benefits obtained from the native forests and how this could be enhanced.
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- Conducted expert interviews to understand the various benefit-sharing mechanisms that exist, their limitations and the consequent impacts on livelihoods.

2014 Nature Conservation Research Centre, Accra, Ghana
 Baseline study on Zambia's export of illegal hardwood timber to China - Case study of Pterocarpus chrysothrix (Mukula Tree)
Consultant
 Developed a Baseline survey on Zambia's export of illegal hardwood timber to China. The study provided an analysis of the status of Zambia's mukula tree harvesting, in order to develop a conservation strategy to protect the threatened tree species.

2010 – 2013 University of Leeds, United Kingdom
 Ecosystem services, rural livelihoods and carbon storage in Miombo woodlands
Researcher

- Conduct forest resource assessment
- Use of PRA tools in understanding resource use and linkage to rural livelihoods
- Assessment of institutions and governance structures of natural resources in selected study sites.

Peer- Reviewed Publications (selected)

Leal Filho, W., Azeiteiro, U.M., Balogun, A.L., Setti, A.F.F., Mucova, S.A., Ayal, D., Totin, E., Lydia, A.M., **Kalaba, F.K.** and Oguge, N.O., 2021. The Influence of Ecosystems Services Depletion to Climate Change Adaptation Efforts in Africa. *Science of The Total Environment*, p.146414.

Tiamgne, X.T., **Kalaba, F.K.** and Nyirenda, V.R., 2021. Household livelihood vulnerability to mining in Zambia's Solwezi copper mining district. *The Extractive Industries and Society*, p.101032.

Tiamgne, X.T., **Kalaba, F.K.** and Nyirenda, V.R., 2021. Land use and cover change dynamics in Zambia's Solwezi copper mining district. *Scientific African*, 14, p.e01007.

Whitfield, S., Apgar, M., Chabvuta, C., Challinor, A., Deering, K., Dougill, A., Gulzar, A., **Kalaba, F.**, Lamanna, C., Manyonga, D. and Naess, L.O., 2021. A framework for examining justice in food system transformations research. *Nature Food*, pp.1-3.

Rawlins J., **Kalaba F.K.**, 2020 Adaptation to Climate Change: Opportunities and Challenges from Zambia. In: Leal Filho W., Ogugu N., Adelake L., Ayal D., da Silva I. (eds) African Handbook of Climate Change Adaptation. Springer, Cham. https://doi.org/10.1007/978-3-030-42091-8_167-1.

Nansikombi, H., Fischer, R., Velasco, R.F., Lippe, M., **Kalaba, F.K.**, Kabwe, G. and Günter, S., 2020. Can de facto governance influence deforestation drivers in the Zambian Miombo?. *Forest Policy and Economics*, 120, p.102309.

Lembani, R., Knight, J., Adam, E. and **Kalaba, F.K.**, 2020. Quantifying spatial-temporal changes of aboveground carbon stocks using Landsat time series data: A case study of Miombo woodlands. *International Journal of Environmental Studies*, pp.1-21.

Ng'onga, M., **Kalaba, F.K.**, Mwitwa, J. and Bright, N., 2019. The interactive effects of rainfall, temperature and water level on fish yield in Lake Bangweulu fishery, Zambia. *Journal of Thermal Biology*. 84: 45-52

Ng'onga, M., **Kalaba, F.K.** and Mwitwa, J., 2019. The contribution of fisheries-based households to the local economy (Capital and Labour) and national fish yield: A case of Lake Bangweulu fishery, Zambia. *Scientific African*, 5, p.e00120.

- England, M. I., Dougill, A. J., Stringer, L. C., Vincent, K. E., Pardoe, J., **Kalaba, F.K.**, Mkwambisi, D.D., Namaganda, E., Afionis, S. (2018). Climate change adaptation and cross-sectoral policy coherence in Southern Africa. *Regional Environmental Change*, 1-13. doi:10.1007/s10113-018-1283-0
- Willemsen, L., Crossman, N.D., Quatrini, S., Egoh, B., **Kalaba, F.K.**, Mbilinyi, B., de Groot, R. (2018). Identifying ecosystem service hotspots for targeting land degradation neutrality investments in south-eastern Africa, *Journal of Arid Environments*. DOI: 10.1016/j.jaridenv.2017.05.009
- England, M., Dougill, A., Stringer, L., Vincent, K., Pardoe, J., **Kalaba, F.**, Mkwambisi, D., Namaganda, E. (2017). Climate change adaptation and cross-sectoral policy coherence in Southern Africa. Centre for Climate Change Economics and Policy. Working paper No. 303
- Kalaba, F.K., (2016).** Barriers to policy implementation and implications for Zambia's forest ecosystems. *Forest Policy and Economics*, 69, pp40-44.
- Crossman N.D., Bernard, F., Egoh, B., **Kalaba, F.**, Lee, N., and Moolenaar. (2016). The role of ecological restoration and rehabilitation in production landscapes: An enhanced approach to sustainable development. Working paper for the UNCCD Global Land Outlook.
- Whitfield, S., Dougill, A. J., Dyer, J. C., **Kalaba, F.K.**, Leventon, J., Stringer, L. C. (2015). Critical reflection on knowledge and narratives of conservation agriculture. *Geoforum*, 60, pp133-142.
- Kalaba, F.K., (2014)** A conceptual Framework for understanding Forest-Socio-ecological systems. *Biodiversity Conservation*, 14, pp 3391-3403
- Kalaba, F.K.,** Quinn, C.H., Dougill, A.J. (2014). Policy coherence and interplay between Zambia's forestry, energy, agricultural and climate change policies and multilateral environmental agreements. *International Environmental Agreements: Politics, Law and Economics*, 14, pp 181-198.
- Leventon, J., **Kalaba, F. K.**, Dyer, J. C., Stringer, L. C., Dougill, A. J. (2014). 'Delivering community benefits through REDD+: Lessons from Joint Forest Management in Zambia.' *Forest Policy and Economics*, DOI: 10.1016/j.forpol.2014.03.005
- Kalaba, F.K.,** Quinn, C.H., Dougill, A.J. (2013). The role of forest provisioning ecosystem services in coping with household stresses and shocks in Miombo woodlands, Zambia. *Ecosystem Services*5, pp 143-148.
- Kalaba, F.K.,** Quinn, C.H., Dougill, A.J. Vinya, R. (2013). Floristic composition, species diversity and carbon storage in charcoal and agriculture fallows and management implications in Miombo woodlands of Zambia. *Forest Ecology and Management*, 304 pp 99-109.
- Kalaba, F.K.,** Quinn, C.H., Dougill, A.J. (2013). Contribution of forest provisioning ecosystem services to rural livelihoods in the Miombo woodlands of Zambia. *Population and Environment*,35, pp 159-182.
- Stringer, L.C., Dougill, A.J., Dyer, J.C., **Kalaba, F.K.**, Mkwambisi, D., Mngoli M. (2012). Challenges and opportunities for carbon management in Malawi and Zambia, *Carbon Management*, 3, pp 159-173.
- Kalaba, F.K.,** Chirwa, P.W., Syampungani, S., Ajayi, C.O. (2010). Contribution of agroforestry to biodiversity and livelihoods improvement in rural communities of Southern African regions. *Tropical Rainforests and Agroforests under Global Change: Ecological and Socio-economic Valuations*, pp 461-476.
- Kalaba FK;** Chirwa PW; Prozesky H. (2009). The contribution of indigenous fruit trees in sustaining rural livelihoods and conservation of natural resources. *Journal of Horticulture and Forestry* 1, pp 1–6.
- Chirwa, P.W., Akinnifesi, F.K., Sileshi G., Syampungani. S., **Kalaba, F.K.**, Ajayi, O.C. (2008). Opportunity for conserving and utilizing agrobiodiversity in Southern Africa. *Biodiversity*9 (1&2), pp 45-48

Selected Invited and Keynote addresses and conference papers

- Kalaba, F.K (2019). Analysing Zambia's community –based forest legal framework and its potential to improve forest management and livelihoods. Curitiba, Brazil. 30th September – October 2019
- Kalaba, F.K and Takam S (2019). A decade of adaptation to climate change in southern and Eastern Africa. Opportunities and Challenges Curitiba, Brazil. 4th October
- Kalaba, F.K (2019). Urbanisation and implications on norms, taboos and customs in forest governance of Miombo woodlands among peri-urban and rural communities . Curitiba, Brazil. 5th October 2019

- Kalaba, F.K (2019). International Scientific conference on sustainable landscapes, Puyo, Ecuador. 3-6 June
- Kalaba, F.K. (2018). Climate change dialogue, Lusaka, Zambia
- Kalaba, F.K. (2017). IUFRO 125 years Congress, Freiburg, Germany.
- Kalaba, F.K. (2017). The role of Science Technology and Innovations in achieving SDGs, UN, New York, USA.
- Kalaba F.K (2017). Land degradation symposium, Lusaka, Zambia.
- Kalaba, F.K. (2014). IUFRO World Congress, Salt Lake City, Utah, USA, October 2014.
- Kalaba, F.K. (2013). Perspectives on Forest Conservation-Tackling the Frontier between Policy and Conservation. Freiburg, Germany, June 2013.
- Kalaba, F.K. (2013) Forest for People conference, Traverse City, Michigan USA, May 2013.
- Kalaba, F.K. (2012) *Post Cop 17 Climate change and rural livelihoods in Africa*, Gaborone, Botswana, July 2012.
- Kalaba, F.K. (2010). “Decade of Education for Sustainable Development: Lessons and Processes for a Sustainable World”. Environmental Education Association of Southern Africa (EEASA) Conference, Copperbelt University, Zambia, September 2010.
- Kalaba, F.K. (2009). *Sustainable initiatives in the decade of education for sustainable development, Environmental Education Association of southern Africa conference. “Where are we?”* Gaborone, Botswana, July 2009.
- Kalaba, F.K. (2008). “International symposium on tropical rainforests and agro forest under global change”. Bali, Indonesia, October 2008.
- Kalaba, F.K. (2008). “The implications of global climate change for sustainable agricultural production systems in ACP countries”, Ouagadougou, Burkina Faso, October 2008.
- Kalaba, F.K. (2008). African Network for Agroforestry Education (ANAFE), 2nd International Symposium on mainstreaming climate change in agricultural education: Tools and Experiences, Capital Hotel, Lilongwe, Malawi, August 2008.
- Kalaba, F.K. (2008). International symposium on underutilized plants for food security, nutrition, incomes and sustainability development, Arusha, Tanzania, March 2008

ADMINISTRATIVE POSITIONS

- June 2019-date: Dean, School of Natural Resources, Copperbelt University.
- July 2020-date: Member of the Council of Copperbelt University
- 2017-2019: Coordinator- Biodiversity and Ecosystem Impacts, Africa Center of Excellence for Sustainable Mining, Copperbelt University.
- 2015-2018 Senator, Copperbelt University
- 2014-2017 Post-graduate Coordinator- School of Natural Resources

REFEREES

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