

## Dr. Felix Kanungwe Kalaba (OneWorld Associate)

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| <b>Nationality</b>                       | Zambian  |
| <b>Education</b>                         | <p>PhD in Environment (2014)<br/>University of Leeds, United Kingdom</p> <p>MSc Forest Science (2007)<br/>Stellenbosch University, Republic of South Africa</p> <p>BSc Forestry (with Merit) (2003)<br/>Copperbelt University, Zambia</p>  |
| <b>Languages</b>                         | English (fluent), Bemba (fluent), Nyanja (fair), Lamba   |
| <b>Membership of professional bodies</b> | <ul style="list-style-type: none"> <li>• Affiliate Member of the Centre for Climate Change Economics and Policy</li> <li>• Member of Environmental Education Association of Southern Africa</li> <li>• Member of Zambia Institute of Environmental Management</li> <li>• Visiting Lecturer in Natural Resource Management: Karelia University of Applied Sciences, Finland; Oulu University of Applied Sciences, Finland</li> </ul>  |
| <b>Employment record</b>                 |  |
| 2005 - Present                           | Senior Lecturer and Postgraduate Coordinator<br>Copperbelt University, Kitwe, Zambia   |
| 2017 – 2018                              | National Consultant<br>Food and Agriculture Organisation (FAO)   |
| 2016                                     | Zambia Forestry and Forest Industries Corporation Limited  |
| 2015                                     | Consultant<br>United Nations Convention to Combat Desertification (UNCCD)/Foundation for Sustainable Development   |
| 2014 – 2015                              | Research Associate<br>REDD+ and Land tenure in Zambia  |
| 2013-2014                                | Research Assistant<br>University of Leeds, United Kingdom  |
| 2010 – 2013                              | Researcher<br>Ecosystem Services, rural livelihoods and carbon storage in Miombo Woodlands   |
| 2004-2005                                | Junior Natural Resources Economist<br>World Wide Fund for Nature (WWF) Southern Africa   |
| 2004                                     | Research Assistant<br>African Academy of Sciences  |
| 2002-2003                                | Intern Inspector<br>Zambia Environmental Management Agency   |
| <b>Relevant professional experience</b>  |  |
| Feb – Aug 2018                           | <p>Zambia's Ministry of National Planning/OneWorld Sustainable Investments<br/>Climate change Risk and Vulnerability Assessment in Luapula, Muchinga, Northern and Western Provinces of Zambia</p> <p><b>Land Use, Forestry and Natural resources expert</b></p> <ul style="list-style-type: none"> <li>• Review and analysis of climate risk and vulnerability for the forestry, agriculture and related sectors and analyse Zambia's policy framework</li> <li>• Workshop facilitation and analysis</li> </ul> |

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|                 | <ul style="list-style-type: none"> <li>• Development of district risk profiles and investment analysis</li> <li>• Drafting and finalisation of situation analysis, district risk profiles, and investment options.</li> </ul>  |
| 2017 – 2018     | <p>Food and Agriculture Organisation (FAO)<br/>Sustainable Forest and Woodland Management for Food and Nutrition Security in Western Province of Zambia</p> <p><b>National Consultant</b></p> <ul style="list-style-type: none"> <li>• Conduct the assessment of the current forest tenure system against the Voluntary Guidelines on Responsible Governance of Tenure (VGGT);</li> <li>• Policy analysis of forestry, energy, wildlife, agriculture policies and their implications on sustainable management of forest resources for food security.</li> <li>• Conduct key informant interviews with various stakeholders and traditional authorities</li> </ul>   |
| Oct – Nov 2017  | <p>Zambia’s Ministry of National Development/OneWorld Sustainable Investments<br/>Baseline Climate Risk and Vulnerability Assessment and Vulnerability Tool development in Northern Zambia</p> <p><b>REDD+ and Forestry Analyst and Advisor</b></p> <ul style="list-style-type: none"> <li>• Workshop facilitation and participatory analysis and capacity development at provincial levels</li> <li>• Conducted climate risk and vulnerability landscape assessment and development of a vulnerability tool</li> <li>• Conducted risk and vulnerability mapping and assess policy responses and priority adoption and mitigation action</li> <li>• Identified entry points in the Zambia policy framework for landscape management and planning</li> </ul>  |
| Mar – June 2017 | <p>World Bank<br/>Market Study of Forestry and Agroforestry Sector in Zambia; and Co-drafting and finalisation of Zambia’s Forest Investment Plan</p> <p><b>Consultant</b></p> <ul style="list-style-type: none"> <li>• Conducted a market study of forestry and agroforestry sector in Zambia, to get an overview of the opportunities, challenges and potential of reducing GHG emissions and achieve economic co-benefits, social and through forest environmental investments.</li> <li>• Analysed policy framework that affect investment in forestry sector.</li> <li>• Provided a detailed analysis of some projects and specific interventions that could be included in the Investment Plan</li> <li>• Co-drafting and finalising of Zambia’s Forest Investment Plan</li> </ul>   |
| 2016            | <p>Zambia Forestry and Forest Industries Corporation Limited<br/>Forestry Management Plan</p> <p><b>Team member.</b> Collection of inventory data and inventory report for the forest management plan report.</p>  |
| 2015            | <p>United Nations Convention to Combat Desertification (UNCCD) / Foundation for Sustainable Development<br/>Mapping and Assessment of Ecosystem services in South Africa, Zambia and Tanzania.</p> <p><b>National consultant</b></p> <p>Contributed to the refinement of study design, resulting in a cross-country mapping and valuations methodology, including i) selection of key ecosystem services from the different service categories per country, ii) developing specification for minimal data requirements, iii) developing of a detailed work plan on current state of ecosystems under pressure per country and selection of ecosystem services of interest by key partners. The project mainly focused on ES with a high (potential) market value, but also considered ES with high non-market values for stakeholder groups within each country. Facilitate and participate in</p> |

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|             | <p>meetings with partners, stakeholders and international project researcher, agriculture, government and NGOs.</p> <p>Data collection on ecosystem threats, land management practices, ES supply and values: collecting relevant existing (spatial) datasets on 1) biophysical state and processes to assess ecosystem functioning 2) key social indicators, including ES accessibility, land rights, 3) current land management practices and policies, 4) proxies for ES values. Conducted spatial analyses involving country-level mapping, illustrating graded levels of pressure/vulnerability caused. The estimation of observed evidence of degradation (erosion, vegetation loss) and estimation of the pressure on the system (population growth, livestock systems, climate change. Country-level mapping illustrating stocks (e.g volume of biomass of a timber stand) and flows (e.g. volume of timber harvested per year) of selected key ES. Based on selected appropriate spatial ES assessment tools (such as InVEST, TESSA, tailor-made models).</p> |
| 2015        | <p>United Nations Convention to Combat Desertification (UNCCD)/Foundation for Sustainable Development</p> <p>Mapping and Assessment of Ecosystem Services in Tanzania, Zambia and South Africa</p> <p><i>Consultant</i></p> <ul style="list-style-type: none"> <li>• Facilitate and participated, in meetings with partners, stakeholders and international project researcher, agriculture, government and NGOs.</li> <li>• Analysed ecosystem threats, land management practices, ecosystem services supply and values</li> <li>• Analysed current management practices and policies that impact on management of ecosystems.</li> <li>• Collected relevant existing (spatial) datasets on 1) biophysical state and processes to assess ecosystem functioning 2) key social indicators, including ES accessibility, land rights 3) current land management practices and policies, 4) proxies for ES values.</li> </ul>  |
| 2015        | <p>Forestry and REDD+ Expert</p> <p>Provide technical advice to the Zambian government through multi-stakeholder expert working group; contributing to development of the Zambian REDD+ National Strategy</p>  |
| 2014 – 2015 | <p>REDD+ and Land tenure in Zambia</p> <p><i>Research Associate</i></p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• Conducted expert interviews to understand the various benefit sharing mechanisms that exists and the various limitations and consequently impacts on livelihoods.</li> </ul>  |
| 2014        | <p>REDD+ and Land Tenure in Zambia</p> <p>Zambia Institute of Environmental Management (ZIEM)</p> <p><b>Lead Consultant</b></p> <p>REDD+ and Land Tenure in Zambia, was commissioned by Zambia Institute of Environmental Management (ZIEM) to “investigate if the current forest tenure and management systems, laws and policies are sufficient to ensure that REDD+ programmes are properly managed and that all communities benefit equally”. Role includes undertaking desk study, providing gaps and challenges in the implementation of the REDD+ in Zambia especially in relation to land tenure and participation of communities as primary beneficiaries at local level. Further authentication of the information required engaging the local communities. Namwala and Petauke were selected based on the past “REDD+ related experiences and case studies”.</p>  |

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| 2014        | <p>Consultant: Forestry and REDD+ Expert</p> <p>Contributed to the development of TORs on six consultancies including:</p> <ol style="list-style-type: none"> <li>1: <b>Strategic Review of the UN-REDD Programme in Zambia</b> - Assessed the extent to which the UN-REDD programme outputs and outcomes have been achieved and the contribution of the Programme so far in getting Zambia ‘ready for REDD+’, and propose recommendations.</li> <li>2: <b>Assessing the Role of Safeguards, Enforcement and Governance in REDD+ in Zambia</b> - Assessed existing REDD+ safeguards, identified gaps and proposed recommendations to inform the development of the REDD+ strategy and its subsequent implementation.</li> <li>3: <b>Assessing Financing, Incentives and Benefit Sharing Options and Considerations for REDD+ (National)</b> - Assessed financing, incentives and benefit sharing opportunities and options relevant to REDD+ implementation.</li> <li>4: <b>Enhancing Private Sector Engagement in REDD+ in Zambia</b> - Identified opportunities for engaging private sector in the implementation of the REDD+.</li> <li>5: <b>Assessment of REDD+ Institutional Capacities and Capacity Needs</b> - Assessed the existing roles, capacities and capacity building needs of national and provincial/district institutions to engage in REDD+ mechanism.</li> <li>6: <b>Governance and Institutional Expert to Support REDD+ in Zambia</b> - Provided guidance to the works on: safeguards, enforcement and governance, institutional capacities and capacity needs for REDD+ implementation; and financing, incentives and benefit sharing mechanisms.</li> </ol> |
| 2014        | <p>Baseline study on Zambia’s export of illegal hardwood timber to China - Case study of <i>Pterocarpus chrysothrix</i> (Mukula Tree)</p> <p>Nature Conservation Research Centre, Accra Ghana</p> <p><b>Consultant</b></p> <p>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. Dr Kalaba designed tools, conducted a literature review, interviewed a broad range of key experts in the forestry sector locally and internationally and conducted associated risk analysis of illegal harvesting and its implications for Zambia. The survey reviewed issues surrounding the costs and implications of illegal harvesting on other hard wood and natural resources in terms of the envisioned future of the forestry landscape in Zambia.</p>   |
| 2010 – 2013 | <p>Ecosystem services, rural livelihoods and carbon storage in Miombo woodlands</p> <p><b>Researcher</b></p> <ul style="list-style-type: none"> <li>• Conduct forest resource assessment</li> <li>• Use of PRA tools in understanding resource use and linkage to rural livelihoods</li> <li>• Assessment of institutions and governance structures of natural resources in selected study sites.</li> </ul>  |
| 2013        | <p>University of Leeds and Leverhulme Trust Fellowship, United Kingdom</p> <p><b>Research Assistant</b></p> <p>Assessing the extent to which climate compatible development is delivered through conservation farming/climate smart agriculture projects in Zambia.</p>   |
| 2009 – 2010 | <p>Copperbelt University Research Grant</p> <p>Poverty – Ecosystem Relationships on the Copperbelt Area of Zambia – An Ecological and Socio-economic Analysis of the Human - Environment Nexus</p>  |
| 2009        | <p>Evaluation of the potential of bee-keeping in alleviating poverty in Kapiri - Mposhi district Government Republic of Zambia – Forestry Department –under GEF project</p> <p><b>Lead Consultant</b></p>   |

Lead Consultant, comprehensive evaluation of bee-keeping potential as alternative livelihood and poverty alleviation. Lead on apiary development and setting, plant species identification and assessing bee attracting identification of analysis process and field work; capacity building of communities around bee keeping and honey production. Designing training module on the trainer of trainers for the district, NGOs and covering business development, honey collection methods and monitoring of production centres, processing, packaging and value addition and costing As well as product rebelling and marketing.

2006-2007 National Research Foundation (NRF), South Africa  
The role of indigenous fruit trees in rural livelihoods.

2004 African Academy of Science  
Sustainable harvesting of orchids in Southern Africa

## Publications and Conference Papers (*selected*) Books

### Peer-reviewed Research-based Reports

- Kalaba, F.K., (2016). Barriers to policy implementation and implications for Zambia's forest ecosystems. *Forest Policy and Economics*, 69, pp40-44.
- 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
- 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
- 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.
- Kalaba, F.K.**, (2016). Barriers to policy implementation and implications for Zambia's forest ecosystems. *Forest Policy and Economics*, 69, pp40-44.
- 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. *Geo forum*, 60, pp133-142.

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

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**Invited and Keynote addresses and conference papers**

- Kalaba, FK. (2014). IUFRO World Congress, Salt Lake City, Utah, USA, October 2014.
- Kalaba, FK. (2013). Perspectives on Forest Conservation-Tackling the Frontier between Policy and Conservation. Freiburg, Germany, June 2013.
- Kalaba, FK. (2013) Forest for People conference, Traverse City, Michigan USA, May 2013.
- Kalaba, FK. (2012) *Post Cop 17 Climate change and rural livelihoods in Africa*, Gaborone, Botswana, July 2012.
- Kalaba, FK. (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, FK. (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, FK. (2008). "International symposium on tropical rainforests and agro forest under global change". Bali, Indonesia, October 2008.
- Kalaba, FK. (2008). "The implications of global climate change for sustainable agricultural production systems in ACP countries", Ouagadougou, Burkina Faso, October 2008.
- Kalaba, FK. (2008). African Network for Agroforestry Education (ANAFE), 2<sup>nd</sup> International symposium on mainstreaming climate change in agricultural education: Tools and Experiences, Capital Hotel, Lilongwe, Malawi, August 2008.
- Kalaba, FK. (2008). International symposium on underutilized plants for food security, nutrition, incomes and sustainability development, Arusha, Tanzania, March 2008.
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