

# Options for sustainable woodfuel as part of wider forest-agricultural landscapes

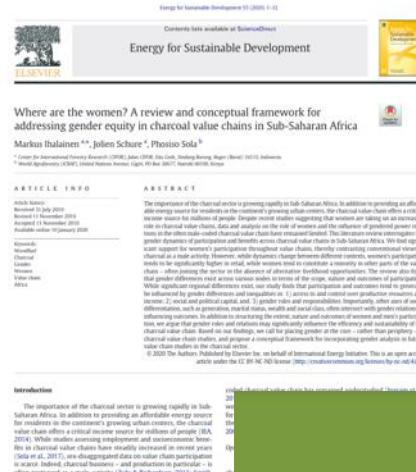
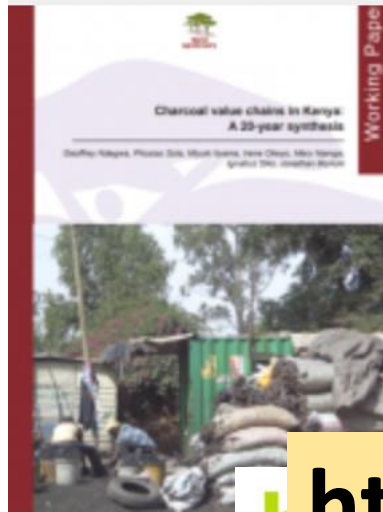


Presentation at **“Sustainable woodfuel value chains in Africa:  
Governance, social, economic and ecological dimensions”**

Session: Dialogue on effective woodfuel management in multifunctional landscapes

November 23<sup>rd</sup>, Ghana

# Understanding on challenges and opportunities to improve woodfuel value chains



Working Group on Capacity Building

Activity Group 4 - Towards Sustainable Modern Wood Energy Development



**<https://www.cifor.org/gml/publications/>**



# Options and engagement for sustainable woodfuel

## Cameroon



Reducing the degradation of mangroves in the Littoral region through **improved fish smokers, improved extraction practices** and **management options**.



Promoting charcoal **production from wood residues** in the Littoral region by building a network of producers with Wood Processing Units (WPU).



Improving **woodfuel management in refugee-hosting areas** in the East Region, including through the development of model agroforestry systems with fast growing species and food trees in areas under pressure; and the creation of a business model and marketing strategy for improved end-use, including cooking techniques, cook stoves, and commercial stoves.

## Kenya



Developing **community action plans** in Baringo and Kitui counties to promote better management of woodlands and sustainable harvesting of trees, and more efficient processing and carbonization.



Supporting the Baringo County Environmental Committee in the development and the implementation of a roadmap towards sustainable ***Prosopis juliflora*** charcoal production.



Supporting Kitui County in the implementation of transitional implementation plans for devolved forestry functions, as well as the development of a **road map for sustainable woodfuel production** and local use.

## Democratic Republic of the Congo



Producing sustainable woodfuel in the Yangambi landscape, including through **community-led agroforestry** systems, and **improved carbonization techniques**.



**Improved use of wood residues** from sawmills in Kisangani to partially substitute use of unsustainable charcoal.

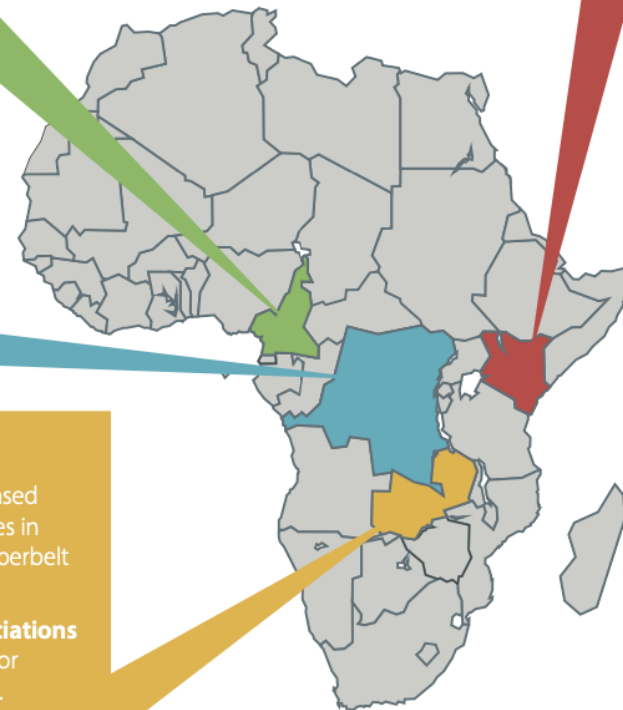
## Zambia

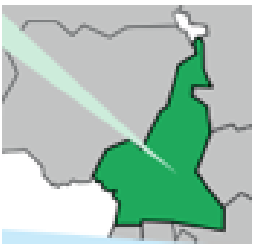


Developing participatory forestry action plans, including evidence-based **assisted natural regeneration** options for degraded production sites in three districts: Mushindamo (North-Western Province), Mufulira (Copperbelt Province) and Nchelenge (Luapula Province).



Supporting more efficient production by **charcoal producers' associations** in Choma District, including through charcoal kiln efficiency studies for cushion feedstock supplies in woodfuel production and supply areas.





# Cameroon



Reducing the degradation of mangroves ecosystems following overexploitation of firewood for fish-smoking



Charcoal production from wood residues in Littoral region



Improved woodfuel management in refugee hosting area



National dialogue on improved woodfuel governance

Regional dialogue with Lac Chad Commission Basin for regional woodfuel regulation



# Democratic Republic of Congo



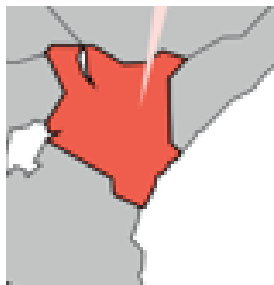
Producing sustainable woodfuel in the Yangambi landscape, including through community-led agroforestry systems and improved carbonization techniques



Transformation of wood residues from sawmills into a more sustainable urban household energy product



Engagement at landscape and Provincial level in form of a road map for sustainable woodfuel management with key stakeholders involved.



# Kenya



Developing community action plans and capacity development in Baringo and Kitui counties to promote better woodfuel management



Supporting the Baringo County Environmental Committee in the development and the implementation of a roadmap towards sustainable Prosopis juliflora charcoal



Supporting the Kitui County in the implementation of TIPs for devolved forestry functions and development of a road map for sustainable woodfuel production and local use.



In collaboration with FFF Kenya, national engagement on charcoal regulations and safeguard for Prosopis charcoal trade under the current exemption.

Contributions to both the national bio energy plan and agroforestry policy.



# Zambia



Developing participatory and gender-responsive forestry action plans, including evidence-based assisted natural regeneration options for degraded production sites in three districts (Mushindamo, Mufulira, and Nchelenge).



FFF Zambia builds capacity of Charcoal producer Associations and tests development of a 'Participatory Guarantee System' for sustainable charcoal and more efficient carbonization techniques

National dialogue on improved woodfuel governance

Dialogue with strategic partners in cross-border areas and production hot-spots



# Conclusions and ambitions 2022 and beyond

- Consolidating and sharing lessons on “outcomes” and replicability/ scalability of “options” for sustainable woodfuel
- Engaging with stakeholders to target larger integration of the sustainable woodfuel options and needed institutional change for governance of the sub-sector



# Thank you!



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# Launch Sustainable Woodfuel Brief Series

SUSTAINABLE WOODFUEL BRIEF SERIES  
INTRODUCTION

## Pathways to more sustainable woodfuel value chains

Funded by the European Union, the Governing Multifunctional Landscapes Sustainable Woodfuel project aims to contribute to knowledge, options and engagement for more sustainable woodfuel value chains across Sub-Saharan Africa.

This brief series describes findings, insights and analyses from the project's activities during 2018 to 2021, in particular experiences from woodfuel value chains in Cameroon, the Democratic Republic of the Congo, Kenya and Zambia.

SUSTAINABLE WOODFUEL

<https://www.cifor.org/gml/publications/swb/>

**Carbonization 2.0:**  
How to produce more charcoal  
with less wood and emissions



Schure J, Hubert D, Ducenne H,  
Kirimi M, Awono A, Mpuruta-Ka-Tito R,  
Mumbere G, Njenga M

**Women – the recurring anomaly in the  
charcoal sector: Gender-responsive  
approaches for more inclusive, equitable  
and sustainable outcomes**



Ihalainen M, Awono A, Banda E,  
Moombe K, Mwaanga B, Schure J, Sola P

**From *laissez-faire* to organized groups  
– A short history of sustainable charcoal  
producer associations in Kenya and Zambia**



Grouwels S, Kisoyan P, Kitema A,  
Wanjira EO, Ziba V

