



Food and Agriculture  
Organization of the  
United Nations



**AFORPOLIS**  
African Forest Policies & Politics



**KNUST**



International conference

Sustainable Woodfuel Value Chains in Africa: Governance,  
Social, Economic and Ecological Dimensions

23-25 NOVEMBER 2021

CONFERENCE VENUE:

The conference will take place at the KNUST Business School, Kwame Nkrumah University of Science and Technology, Kumasi (KNUST) AND ON-LINE.

## PROGRAM SUMMARY

Time	Room	Event
<b>Day 0 Monday, November 22, 2021</b>		
-		Arrival of participants
<b>Day 1 Tuesday, November 23, 2021</b>		
8:00-9:30		Conference check-in and morning coffee: Pick up badge and conference packet
<b>SESSION 1 - PLENARY</b>		
9:30-10:30		<p><b>CONFERENCE OPENING</b></p> <p>Welcome Address by Prof. Ben Kwaku Branoh Banful, Provost, College of Agric. And Natural Resources, KNUST</p> <p>Statement by Mr. Abebe Haile-Gabriel, FAO Assistant Director General and Regional Representative for Africa, FAO</p> <p>Statement by the African Union Commission in Ghana (tbc)</p> <p>Statement by Mr. J.M Allotey, Chief Executive Officer, Forestry Commission Ghana (tbc)</p> <p>Statement by Hon. Matthew Opoku Prempeh, Minister of Energy, Ghana (tbc)</p> <p>Statement by Christian Pilegaard Hansen, Coordinator of the Access and Exclusion along the Charcoal Commodity Chain in Ghana Project</p> <p>Chairman's Closing Remarks</p> <p>Chairman: Prof. (Mrs.) Rita Akosua Dickson (Vice Chancellor, Kwame Nkrumah University of Science and Technology)</p>
10:30-10:45		<p><b>SETTING THE SCENE</b></p> <ul style="list-style-type: none"> <li>• Introduction to the Conference Objectives and Agenda by Emmanuel Acheampong, HOD Department of Silviculture and Forest Management, KNUST</li> <li>• Logistical information</li> </ul>
10:45-11:00		Short break
11:00-12:00		<p><b>KEYNOTE PRESENTATION NO. 1</b></p> <p>“The current state and future of charcoal research in Africa”, by <b>Dr. Tuyeni Heita Mwampamba</b> (physical), National Autonomous University of Mexico</p> <p>Questions and Answers</p>

Time	Room	Event
		Moderator: Emmanuel Acheampong
12:00-13:30		LUNCH
<b>SESSION 2 – PARALLEL TRACKS</b>		
13.30-15.00		<p>TRACK A – ACADEMIC</p> <p><b>CHARCOAL ECONOMIC VALUE AND LIVELIHOODS</b></p> <ul style="list-style-type: none"> <li>• Factors influencing participation and income from charcoal production and trade in Ghana (<b>Lawrence Kwabena Brobbey</b> (physical))</li> <li>• Assessment of economic returns from charcoal production and trade in Oyo North Zone of Oyo State, Nigeria (<b>Oyinlola Abiodun Fasoro</b> (online))</li> <li>• Contribution of firewood harvesting and trading to the livelihood of rural households in the North East Gonja district in the Savannah Region of Ghana (<b>Mohammed Seidu</b> (physical))</li> <li>• Market analysis of fuelwood as household cooking energy in rural Rwanda – a qualitative assessment (<b>S. Ramlah Abbas</b> (physical))</li> <li>• An estimation of national charcoal production: The case of Ghana (<b>KS Nketiah</b> (physical))</li> </ul> <p>Moderator: Mawa Karambiri</p>
13.30-15.00		<p>TRACK B – ACADEMIC</p> <p><b>SUSTAINABLE PLANTING AND REGENERATION OF WOODFUEL</b></p> <ul style="list-style-type: none"> <li>• Tree plantations and the access of smallholder farmers to land and natural resources in the transition zone of Ghana (<b>Kojo Amanor</b> (Physical) and <b>Matthew Brafi</b>)</li> <li>• Perception of charcoal producers on the establishment of woodlots for charcoal production and its impacts on their livelihoods: a case study in the Kintampo North Municipality of the Bono East Region of Ghana (<b>Adade Michael</b> (physical))</li> <li>• World Vision Farmer Managed Natural Regeneration (FMNR) Approach- A Catalyst for Sustainable Wood fuel production in Ghana (<b>Maxwell Amedi</b> (online))</li> <li>• Short rotation Acacia decurrens woodlot sustainable fuel wood production and financial feasibility of in Fagta Lekoma district of Northwestern Amhara, Ethiopia (<b>Takele Ferede</b> (online))</li> <li>• Using pruning from trees on-farms and cleaner biomass cooking appliances reduces women's energy burden and improves human wellbeing (<b>James K Gitau</b> (physical))</li> </ul> <p>Moderator: Frank Agyei</p>
13.30-15.00		<p>TRACK C – PRACTICE</p> <p><b>SUSTAINABLE MANAGEMENT PRACTICES</b></p>

Time	Room	Event
		<ul style="list-style-type: none"> <li>Managing invasive Prosopis species through charcoal production in Kenya, <b>Simon Choge</b> (online) / <b>Philip Kisoyan</b> KEFRI /FFF</li> <li>Raising awareness campaign for youth on land restoration through nursery development and tree planting, <b>Damian James /Geofrey Bakanga</b> MVIWAARUSHA/FFF</li> <li>Practice alternatives: Combination of sustainably farmer-managed natural regeneration within community landscapes for charcoal production FFF/FAO GHaFFaP, incl. Video</li> <li>Green Fire Belts for firewood and charcoal production, <b>Lucy Amissah</b> (physical), <b>CSIR- Forestry Research Institute of Ghana, Kumasi, Ghana</b></li> <li>Transitioning Wood Fuel Energy as Catalyst for Landscape Restoration and Sustainability <b>Daryl Bosu</b>(physical) /<b>A Rocha Ghana, Cisco Aust</b> (physical)/<b>GIZ Ghana</b></li> </ul> <p>Moderator: Sophie Grouwels, FAO/FFF</p>
15:00 -15:30		Coffee and tea break
<b>SESSION 3 – PARALLEL TRACKS</b>		
15:30-17:00		<p>TRACK A – ACADEMIC</p> <p><b>CHARCOAL GOVERNANCE</b></p> <ul style="list-style-type: none"> <li>Blaming informality to hide the failure of energy policies: the politics of woodfuel in Cameroon (<b>Herman Wandji</b> (physical))</li> <li>Institutional and governance arrangements shaping cross-border charcoal trade flows, a case study of Busia Border Post, Kenya-Uganda Border (<b>Jared Gambo</b> (physical))</li> <li>Community-Based Governance Arrangements for Charcoal Production in Ghana (<b>Joseph Asante</b> (physical))</li> <li>Effects of transition from open access to community-based management on the social network of charcoal producers (<b>Hanneke van 't Veen</b> (online))</li> <li>Towards Formalization of Woodfuel Value Chain in Liberia: Progress and Challenges (<b>Dr. Ibrahim M. Favada</b> (online))</li> <li>Preparation and implementation of a fuelwood supply masterplan in Cameroon (ProPFE/GIZ) and Madagascar (PAGE/GIZ) (<b>Martial Charpin</b> (online))</li> </ul> <p>Moderator: Phosiso Sola</p>
15:30-17:00		<p>TRACK B – ACADEMIC</p> <p><b>CLIMATE CHANGE AND WOODFUEL</b></p> <ul style="list-style-type: none"> <li>Climate change impacts and decarbonization of woodfuel (charcoal and firewood) systems in Kenya (<b>Moses Kirimi</b> (physical))</li> <li>Climate Reparations: A new continental policy strategy to reforest the sub-Sahara (<b>Phil Wilmot</b> (physical))</li> </ul>

Time	Room	Event
		<ul style="list-style-type: none"> <li>• Mesures d'atténuation de l'abattage du bois dans le Bassin du Congo: l'expérience du projet pilote REDD+ au nord-Cameroun (<b>Mebe Mba'a Cédrick Serges Maël</b> (physical))</li> <li>• REDD+ and the issue of inequalities in the governance of Woodfuel in Central Africa (<b>Sandrine Andong</b> (physical))</li> <li>• Profile of Improved Cooking Technologies amongst Charcoal Dependent Urban Households in Zambia (<b>Elisha Ncube</b> (online))</li> </ul> <p>Moderator: Joana Echeruo</p>
15:30-17:00		<p>TRACK C – PRACTICE - <b>KILN/STOVES TECHNOLOGIES</b></p> <ul style="list-style-type: none"> <li>• Video: Prosopis charcoal production using improved earth mound kiln in Baringo County, <b>Kenya. Joseph Kibet</b></li> <li>• Technical and environmental performance of the Green Mad Retort charcoal-making kiln in Madagascar, <b>Michaël Temmerman, ECO Consult Germany</b></li> <li>• Sustainable production of charcoal and manufacture of bio fertilizer based on the casamance kiln, Togo <b>UROPCM/KEKELI OPFA</b></li> <li>• Charcoal Production with efficient kilns – work experience <b>Dr. Chris Adam</b> (physical), <b>Kiln producer</b></li> <li>• Video: Charcoal Production in Zambia <b>CIFOR</b> <a href="https://www.youtube.com/watch?v=u9wegk4aiNQ&amp;t=1s">https://www.youtube.com/watch?v=u9wegk4aiNQ&amp;t=1s</a></li> </ul> <p>Moderator: tbc</p>
17:00-17:15		Short break
<b>SESSION 4 – PLENARY</b>		
17:15-18.45		<p><b>Policy panel: Dialogue on effective woodfuel management in multifunctional landscapes (organized by ICRAF/CIFOR)</b></p> <p>Presentation: Options for sustainable woodfuel as part of wider forest-agricultural landscapes. <b>Jolien Schure</b>, CIFOR Associate.</p> <p>Panelists:</p> <ol style="list-style-type: none"> <li>1. Zambia: New charcoal rules and option for integrating Assisted Natural Regeneration in policy. <b>Deuteronomy Kasaro</b> (online), Principal Forestry Officer.</li> <li>2. Kenya: Charcoal Rules, 10 years on. <b>Clement Ng'oriarengm</b> (physical), Kenya Forest Service.</li> <li>3. Cameroon: Incentive mechanism for charcoal from wood residues. <b>Georges Amougou</b>, MINFOP Littoral.</li> <li>4. Ghana: Bridging the sectoral divide. TBC, Ghana Forestry Commission.</li> <li>5. Ghana: Policy alternatives for promoting workable practices for sustainable charcoal production (GhaFFaP)</li> </ol>

Time	Room	Event
		<p>Launch of new CIFOR-ICRAF Brief Series on Sustainable Woodfuel.</p> <p>Moderator: Phosiso Sola</p>
18:45-		<p>Reception with food and drinks</p> <p>Exhibition, posters and documentaries</p>
<b>Day 2: Wednesday 24 November</b>		
<b>SESSION 5 – PLENARY</b>		
09:00-09:30		<p>Reporting and take away messages from Day 1</p> <p>Reports from moderators</p>
<b>SESSION 6 – PARALLEL TRACKS</b>		
09:30-11:00		<p><b>TRACK A – ACADEMIC</b></p> <p><b>CHARCOAL LANDSCAPES</b></p> <ul style="list-style-type: none"> <li>• The long term role of the charcoal industry in landscape and livelihood change: multidisciplinary evidence from Mozambique (<b>Casey Ryan</b> (online))</li> <li>• Charcoal production site detection using a combined remote sensing approach with Landsat-8, Sentinel-2 and VHR satellite imagery (<b>Hanneke van 't Veen</b> (online))</li> <li>• Applying Landscape approach to charcoal value Chains: The GML Project Model in Yangambi Engagement Landscape (YEL), Republic Democratic of Congo (<b>Lwanga Kasereka-Muvatsi</b> (Physical))</li> <li>• Sustainable charcoal production in community-based forest management areas in Tanzania (<b>Charles Leonard</b> (Physical))</li> <li>• Wood fuel production systems in the refugee settlement of Garoua boulai council – East Cameroon (<b>Pamela Tabi</b> (Physical))</li> <li>• Fuelwood Rush and the Assemblage of Community Forest Management in <b>Burkina Faso</b> (<b>Mawa Karambiri</b> (Physical))</li> </ul> <p>Moderator: Jolien Schure</p>
09:30-11:00		<p><b>TRACK B – ACADEMIC</b></p> <p><b>WOODFUELS AND ENVIRONMENTAL FOOTPRINT</b></p> <ul style="list-style-type: none"> <li>• The prevalence of shea charcoal in markets in northern Ghana: a threat to the shea parklands. (<b>Thomas Addoah</b> (online))</li> <li>• Sources of wood for charcoal production in Asantekwa and Nkwanta (<b>Tontie L Kanton</b> (physical))</li> </ul>

Time	Room	Event
		<ul style="list-style-type: none"> <li>The importance of versatility in the selection of priority species by local communities for wood energy plantation (<b>Ifèdé-Olla Aurès Parfait Tchiché</b> (online))</li> <li>Sustainable biomass production for enhanced energy and food security – exploring the potential of improved fallows (<b>Natxo García-López</b> (physical))</li> <li>How land tenure and labor relations mediate charcoal's environmental footprint in Zambia: implications for sustainable energy transitions (<b>Johanne Pelletier</b> (online))</li> </ul> <p>Moderator: Christian P Hansen</p>
09:30-11:00		<p>TRACK C – PRACTICE</p> <p><b>SUSTAINABLE BIO ENERGY ALTERNATIVES</b></p> <ul style="list-style-type: none"> <li>Video: GBEP video on sustainable wood energy and Forest Landscape Restoration <b>Michela Morese, FAO/GBEP</b></li> <li>Cotton Stalks for Briquettes; FFF/FAO and Cotton Association Zambia (CAZ)</li> <li>Charcoal production from sawmill residues in the East Cameroon region <b>Félix KOUEDJI</b> (physical), Eco Consult Germany</li> <li>Use of Bamboo for Energy Production <b>Michael Kwaku</b>, Ghana and National Coordinator, Inter-Africa Bamboo Smallholder Farmers Livelihood Development Programme (INBAR) Kumasi-Ghana</li> <li>Biochar to restore Cocoa forest in Ghana. <b>Ellen R. Graber, Ph.D.</b> Agricultural Research Organization, Israel</li> </ul> <p>Moderator: tbc</p>
11:00-11:30		Coffee and tea break
11:30-12:30		<p><b>KEYNOTE PRESENTATION NO. 2</b></p> <p>“Charcoal as just another arena of exploitation: Precarity is everywhere” by <b>Prof. Jesse Ribot</b> (online) (American University, Washington DC)</p> <p>Questions and Answers</p> <p>Moderator: Frank Agyei</p>
12:30-14:00		Lunch
<b>SESSION 7 – PARALLEL TRACKS</b>		
14:00-15:30		<p>TRACK A: Policy panel: How conducive are energy and environmental policies in Africa to sustainability interventions in the charcoal sector? Preliminary findings from an assessment of 31 AFR100 countries (organized by FAO and AUDA-NEPAD)</p>

Time	Room	Event
		Moderator: Tuyeni Mwampamba
14:00-15:30		<p>TRACK B - ACADEMIC</p> <p><b>VALUE CHAIN ANALYSIS</b></p> <ul style="list-style-type: none"> <li>• The impacts of Covid-19 on the charcoal value chain and rural livelihoods in Mozambique (<b>Judith Krauss</b> (online))</li> <li>• Aiding or Ruining? Voluntary Schemes and Women's Role along Ghana's Charcoal Commodity Chain (<b>Joseph Asante</b> (physical))</li> <li>• "Forestry officials don't have any land or rights here": Authority of politico-legal institutions along Ghana's charcoal commodity chain (<b>Frank Agyei</b> (physical))</li> <li>• The charcoal value chain in Kenya: Actors, practices and trade flows in selected sites (<b>Geoffrey Ndegwa</b> (online))</li> <li>• Charcoal Value Chain Analysis in Mt. Kulal Biosphere and Mukogodo Landscapes in Northern Kenya (<b>Emily Kithaka</b> (online))</li> </ul> <p>Moderator: Emmanuel Acheampong</p>
14:00-15:30		<p>TRACK C - PRACTICE</p> <p><b>INSTITUTIONAL MECHANISMS</b></p> <ul style="list-style-type: none"> <li>• Organization of local charcoal chapters and local governance in Liberia <b>FFF/FAO NACUL Mr Dorbor</b> (online)</li> <li>• The Participatory Guarantee System for sustainable charcoal – Pilot in Choma District, Zambia. <b>FFF/FAO/ Choma Charcoal Association</b>.</li> <li>• Firewood producers and marketing Association empowers women through branch firewood commercialization. <b>FFF/FAO/The National Firewood Producers and Marketing Association, Kanimang Camara, The Gambia</b></li> <li>• Video; Charcoal makers turn to sustainability in Yangambi Landscape, DRC <b>CIFOR</b> <a href="https://www.cifor.org/knowledge/video/u3UMxH3XgGg">https://www.cifor.org/knowledge/video/u3UMxH3XgGg</a></li> </ul> <p>Moderator: tbc</p>
15:30-16:00		Coffee and tea break
<b>SESSION 8 - PLENARY</b>		
16:00-17:30		<p><b>MULTI-STAKEHOLDER PANEL – WHAT FUTURE FOR WOODFUELS IN AFRICA? REFLECTIONS AND RECOMMENDATIONS TO MOVE FORWARD</b></p> <p>The first panel segment will focus on <b>global, continental perspectives</b></p> <ul style="list-style-type: none"> <li>• Africa Development Bank</li> <li>• GBEP/ECREE/UNECA</li> <li>• FAO - Greening the charcoal value chain</li> </ul>



Time	Room	Event
		<ul style="list-style-type: none"> <li>• AFR100 Secretariat (AUDA-NEPAD) (Mamadou Diakhite)</li> <li>• Research perspectives - KNUST/CIFOR-ICRAF</li> </ul> <p>The second panel segment will focus on <b>country, local level vision</b></p> <ul style="list-style-type: none"> <li>• Ministry of Energy -Ghana</li> <li>• Ministry of Forestry -Cameroon</li> <li>• Zambia Charcoal Producers' Association</li> <li>• Charcoal Trader</li> <li>• Eco-charcoal producer and trader-Uganda/Kenya (from The Charcoal Project or FFF project)</li> <li>• Forestry Commission, Ghana</li> </ul> <p>Moderator: Nora Berrahmouni</p>
17:30-18:00		<p><b>WRAP-UP, NEXT STEPS AND CLOSING</b></p> <p>Moderator: tbc</p>
<b>Day 3: Thursday 25 November</b>		
8:00-19:00		<p><b>FIELD TRIP</b></p> <p>Sustainable woodfuel production in Ghana (optional)</p>