

# Symposium & Workshop: The role of charcoal in climate change and poverty alleviation initiatives

15 June 2011 - Naura Springs Hotel at Arusha, Tanzania

Forest Degradation



Poverty



GHG Emissions



Health impacts



Organized by:



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The impacts of **unsustainable charcoal** production and consumption on the environment, climate, health, and poverty are undisputed.

The challenge: To ensure public policies and climate change initiatives include the **sustainable production and consumption of charcoal**.



Traditional charcoal making in the tropics: child labor is the rule rather than the exception.

## Charcoal Facts:

Charcoal is the main energy source for more than 90% of sub-Saharan Africa urban households.

Current production and consumption of charcoal are mostly unsustainable.

In sub-Saharan Africa, current rates of charcoal production and consumption represent one of the greatest threats to achieving the MDGs.

# Vision

In the last half century, charcoal production and use in the Tropics has not changed nor has it gone away.

Marred by a litany of failed policies, charcoal production and consumption remains persistent and problematic across the developing world.

However, under the right conditions, charcoal can be an efficient, clean, and sustainable fuel. With the right policies and incentives, charcoal can evolve from a traditional to a modern, truly renewable fuel. Done right, sustainable charcoal can become an important driver of economic growth.

Recent climate change and poverty alleviation initiatives present new opportunities to address the charcoal problem.

Sudan, 2009



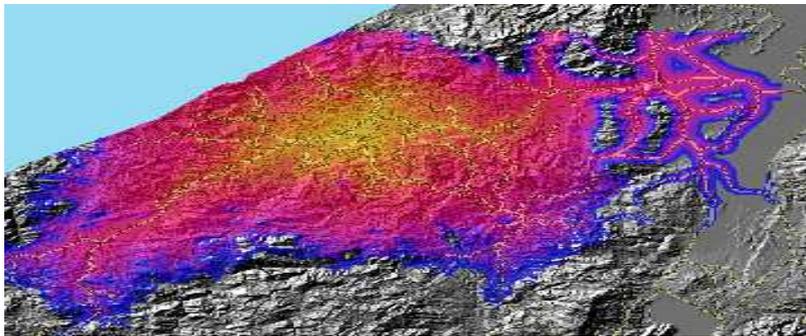
Mexico, 2009



Haiti, 2010



Symposium presentations will highlight the many facets of **an old energy problem**, but inspected under the light of new and innovative assessment tools and technologies



## Highlights:

600+ participants expected in Arusha 2011.

Diverse set of world renown experts on charcoal will present in the Symposium.

Delegates from Tanzanian Energy, Environment, and Forests ministries will attend.

# We will identify a handful of plausible solutions & best-options for public policies, appropriate technologies and sustainable forest management



## Highlights:

East African charcoal producers will share their experiences and visions.

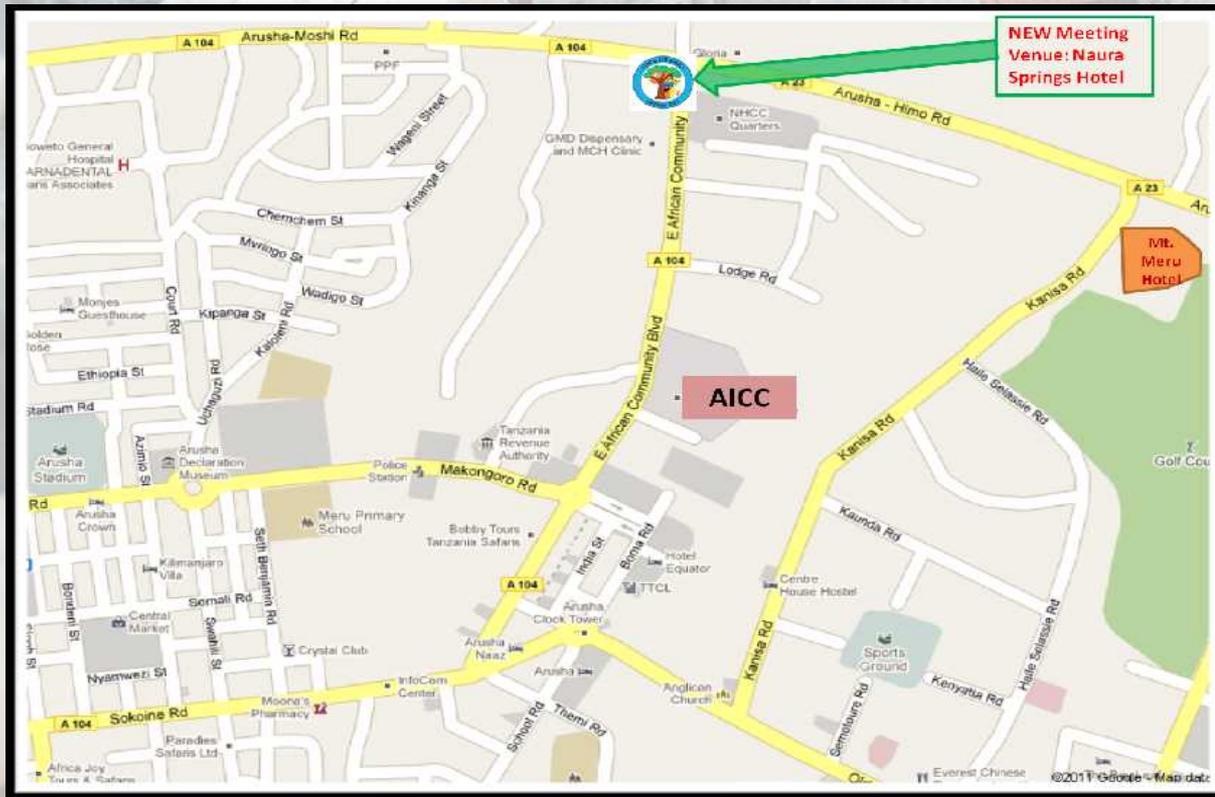
Presentations on the potential for sustainable charcoal to participate in carbon markets.

Opportunities for collaborations and networking.

# Where and When?

The Symposium and Workshop will be held as a **one-day event** in the context of the Joint 2011 Meeting of the Association for Tropical Biology and Conservation (ATBC) & the Africa Section of the Society for Conservation Biology (SCB Africa) (12 -16 June).

**15 June 2011 - Naura Springs Hotel at the city of Arusha, Tanzania:**



## Expected Outputs:

Form a working group to address key issues raised by the presentations.

Plan for a 2012 International Conference that focuses on solutions for the charcoal sector.

Publish the Presentations in Special Issue of an ISI Journal.

# Presentations and Presenters (1/3)

Title	Presenter	Institution
1. Charcoal production and use: world country statistics and global trends.	Adrián Ghilardi 	Universidad Nacional Autónoma de México 
2. The environmental impacts of charcoal production in tropical ecosystems of the world: a synthesis.	Emmanuel N. Chidumayo 	Formerly: Biological Sciences Department University of Zambia  <i>Currently: Manager, Makeni Savanna Research Project</i>
3. Predictable waves of sequential forest degradation and biodiversity loss spreading from an African city.	Antje Arhends 	Royal Botanic Garden Edinburgh 
4. Challenges and opportunities of addressing gender issues in the sustainable charcoal sector: Experiences of ENERGIA and TATEDO in Tanzania.	Gisela Ngoo 	Tanzania Traditional Energy Development Organization (TaTEDO) 

# Presentations and Presenters (2/3)

Title	Presenter	Institution
5. A dark Charcoal Chain! Socio-economic exclusion in Senegal	Papa Faye 	Institut Supérieur de Management-Dakar 
6. The niche of charcoal in climate change initiatives (REDD+, CDM, PES): A case study for Tanzania	Eliakimu Zahabu 	Faculty of Forestry & Nature Conservation Sokoine University of Agriculture 
7. Millennium Development Goals and charcoal: the links and gaps with poverty alleviation and tropical forest conservation	Tuyeni Mwampamba 	Universidad Nacional Autónoma de México 
8. Narok's charcoal commodity chain: land use change and charcoal production in southwestern Kenya	Rob Bailis 	Yale School of Forestry & Environmental Studies 

# Presentations and Presenters (3/3)

Title	Presenter	Institution
9. Charcoal production, poverty alleviation and woodland change in the Kapiri Mposhi District of Zambia	Davison J. Gumbo 	CIGAR - CIFOR  
10. Main finding of the Biomass Energy Strategy (BEST) in Malawi: a balanced view of the value of charcoal to the economy and the potential for sustainability.	Matthew Owen 	Chardust Ltd. & Freelance Consultant 
11. Sustainable charcoal production in Brazil: Which aspects have a potential for replication in Sub-Saharan Africa?	Alexandre Uhlig 	Instituto Acende Brasil 
12. Challenges of introducing alternatives to traditional charcoal: The briquette industry in East Africa.	Nicholas Harrison 	East Africa Briquettes Company 

# Symposium schedule at-a-glance

Event	Time	Lead-presenter
Welcome by organizers	9:45 – 10:00	
<b>Symposium presentations:</b>		
Charcoal production and use: world country statistics and global trends.	10:00 – 10:15	Adrian Ghilardi
The environmental impacts of charcoal production in tropical ecosystems of the world: a synthesis.	10:15 – 10:30	Emmanuel N. Chidumayo
Predictable waves of sequential forest degradation and biodiversity loss spreading from an African city.	10:30 – 10:45	Antje Ahrends
Challenges and opportunities of addressing gender issues in the sustainable charcoal sector: Experiences of ENERGIA and TATEDO in Tanzania.	10:45 – 11:00	Gisela Ngoo
A dark Charcoal Chain! Socio-economic exclusion in Senegal.	11:15 – 11:30	Papa Faye
The niche of charcoal in climate change initiatives (REDD+, CDM, PES): A case study for Tanzania	11:30 – 11:45	Eliakimu Zahabu
<b>Tea &amp; Coffee break</b>		
Millennium Development Goals and charcoal: the links and gaps with poverty alleviation and tropical forest conservation	11:45 – 12:00	Tuyeni Mwampamba
Narok's charcoal commodity chain: land use change and charcoal production in southwestern Kenya.	12:00 – 12:15	Rob Bailis
Charcoal production, poverty alleviation and woodland change in the Kapiri Mposhi District of Zambia	12:30 – 12:45	Davison J. Gumbo
Main finding of the Biomass Energy Strategy (BEST) in Malawi: a balanced view of the value of charcoal to the economy and the potential for sustainability.	12:45 – 13:00	Matthew Owen
Sustainable charcoal production in Brazil: Which aspects have a potential for replication in Sub-Saharan Africa?	13:00 – 13:15	Alexandre Uhlig
Is it marketing or culture or both? Challenges of introducing alternatives to traditional charcoal: The briquette industry in East Africa	13:15 – 13:30	Nicholas P. Harrison
<b>Sum-up</b>		

# Workshop schedule at-a-glance

Event	Time	Chair
Synthesize presentations and organize the papers for the special issue	14:00 – 15:00	Kim Chaix
Identify key issues for 2012 meeting	15:00 – 15:30	Tuyeni Mwampamba
Create International Charcoal working group	15:30 – 16:00	Adrián Ghilardi
Develop organizing committee for 2012 Meeting	16:00 – 16:30	Organizers
<b>Tea &amp; Coffee break</b>		
Short Presentation: Carbon trading and charcoal projects from	17:00 – 17:15	Bill Farmer from The Uganda Carbon Bureau
Short Presentation: The charcoal-project.org: a platform for the working group or think-tank on the charcoal problem	17:15 – 17:30	Kim Chaix from the charcoalproject.org
<b>Dinner</b>	<b>18:00 – 20:00</b>	







Please visit the following links for further info:

<http://charcoal2012.org>

[www.charcoalproject.org](http://www.charcoalproject.org)

[www.atbc-scbafrika2011.org](http://www.atbc-scbafrika2011.org)

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This symposium is supported by:

