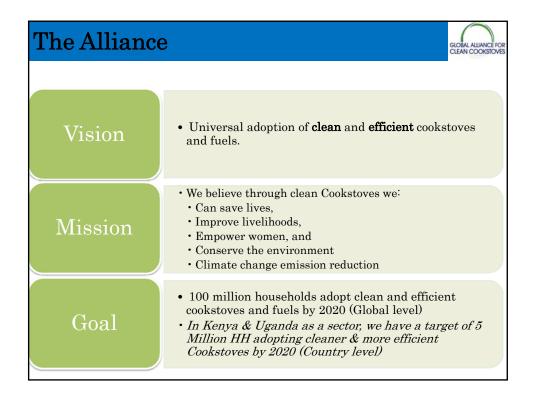
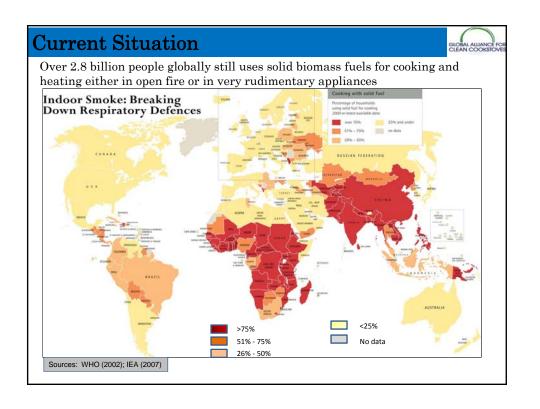
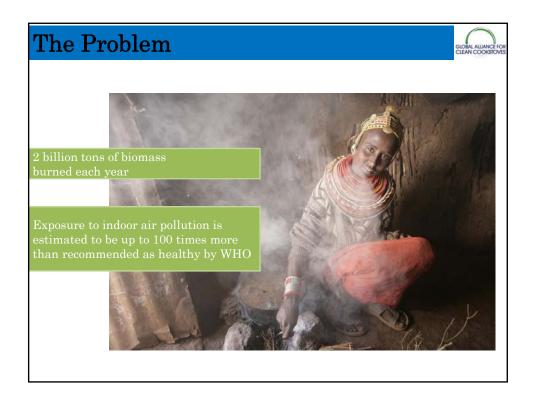


Contents

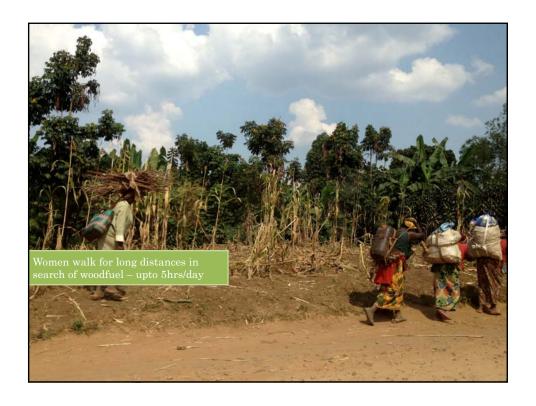
- 1.Whom we are
- 2.The Problem
- 3. Strategic interventions
- 4. Climate finance role in Cookstoves



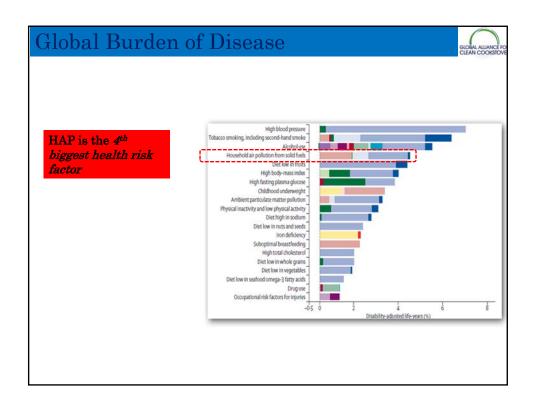


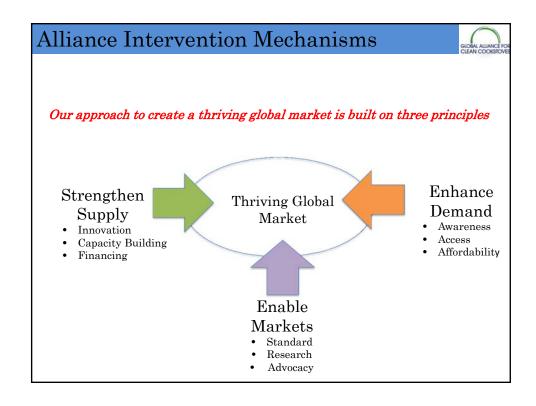












Sector Challenges



- Fragmented and uncoordinated
- Lack of standards
- Artisanal jua kali
- Inability to attract investments
- Lack of recognition as a critical sector in socio-economic and environment development
- Poor distribution
- · Lack of awareness on the value of clean cooking

Progress & Future outlook of Clean Cooking



- The past 5 years have seen sector transform more than what has happened in the past 30 years
- Recognition of clean cooking sector as core to energy access agenda
 - SE4All Action agenda
 - Kenya Climate Change Plan
 - National energy polices
- In Kenya the past two budgets, the Minister of Finance has put measures that address the clean cooking adoption
 - 2015/2016 Government removed excise duty on denatured ethanol
 - 2016/2017
 - Government removed VAT on LPG
 - Reduction of import duty from 25% to 10% on clean Cookstoves
 - Removal of VAT on clean Cookstoves and parts

Testing, Standards & labelling



- Foundation for sector growth
- At global level, have ISO TC that involve global stakeholders
- At National level working with stakeholders to review the Cookstoves stds

Aim:

- Enhance fair trade as the sector move toward maturity
- Reflect the current dynamics and evidence
- Build the confidence of the consumers

Labelling:

- Alliance to support the process of labelling systems starting from Q4 of this year in conjunction with the stakeholders;
- Aim: help consumer make informed choices when purchasing Cookstoves
- This initiative is taking place in Kenya and Uganda in EA.

Clean Cookstoves Association of Kenya (CCAK)

- CCAK (Clean Cookstoves Association of Kenya),
 - It is the Voice of clcean Cookstoves sector & recognized by the government
 - Its mission is to facilitate the scaling up of the clean cookstoves and clean fuels markets in Kenya
 - o It has 34 members comprising representatives from government, academia, private sector, donor agencies, NGOs and individuals active in the clean cooking sector.
- o In Uganda we have an equivalent association called Uganda National Alliance for Clean Cookstoves (UNACC)

Investment and Financial institutions on board

- Diverse financial instruments in place
- Equity & debt
- Smart grant with an aim of making enterprise become investment ready
- The investment has taken place in the past three years: either in form of grant, equity or debt
 - Burn
 - Ugastove
 - Green Bio-energy
 - Envirofit
 - Ecozoom
 - SCODE
 - Wisdom
 - Ecostove
 - Africa Energy Stove (AES)
 - KENCOCO
 - Briquettes manufacture in Thika

Alliance Investment vehicles



The Alliance has various funding mechanisms targeted at Cookstoves enterprises at different stages of growth.:

- Spark fund target enterprises that are investment ready Burn & GBE
- **Pilot Innovation Fund** Target enterprises that have an innovative idea that if it succeeds will have significant socio-economic impacts on the society Ecozoom
- Women Empowerment Fund: Target a woman led enterprises or a company that focusses on woman empowerment we have two grantees of this fund: Bidhaa sasa and Livelyhood & in Uganda AEST & Solar sister
- Catalytic Small Grant this targets small Cookstoves and fuel enterprises with strong growth potential. Currently there are 3 beneficiaries of this fund: SCODE (Cookstoves manufacturing Co.), Wisdom Innovation (Gasifiers & Pellets production Co.) & Kencoco (briquettes Co.) & in Uganda 4 Ecostove, AES, Ugastoves & Wana

Policy & Regulatory framework



- Government strong support & a listening ear
- Significant progress toward making clean cooking solutions a reality for many

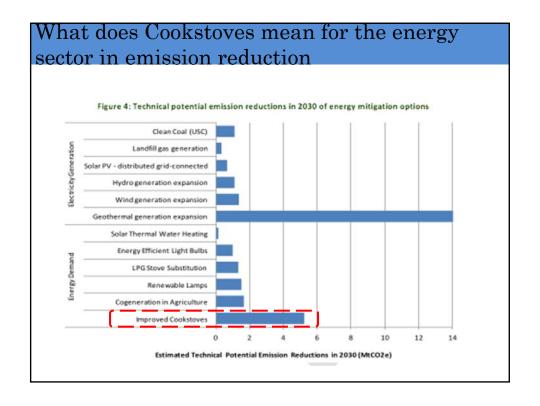
E.g.

- Reduction of import duty on clean Cookstoves from 25% to 10%
- Removal of VAT on LPG
- Removal of excise duty on denatured ethanol
- Ongoing now is the proposed removal of VAT on Cookstoves
- Inter-ministerial Committee on Clean Cooking (IMCC) a platform for lobbying and advocating clean Cookstoves

Role in climate Change Mitigations



- Kenya is a signatory to the NDC
- It has committed to reduce emissions by 30% by 2030 from BAU scenario of 143MtCO2eq (based on the Kenya's NCCAP)
- Under the energy sector Cookstoves is the second most significant sector in emissions reduction after geothermal



Role of Carbon Finance in Dissemination



- Little research has been done on the impacts of carbon financed Cookstoves initiatives;
- The sector is at an early stage/on run-way need enough momentum to be able to take off, hence need for "patient capital"
- Many Cookstoves businesses are faced with:
 - Lack of access to credit for working capital
 - Low profit margins
 - High upfront capital costs
- This gaps can be covered by the carbon finance
- Carbon finance would be ideal to provide a "transitional crediting" to enable the business become self sustaining

Cont.



- Carbon finance could be of valuable support to cookstoves businesses and has been used to provide:
 - After sales support to HH and repair or replace broken stoves
 - R&D— i.e. new stove models, enter new markets or hone the design of the current model to better fit their customers' needs
 - Establishment & development of distribution networks
 - Promotional schemes to kick-start sales & then phase it out
 - Scale up the stove businesses to become commercially viable
 - Provide price subsidy with caution is smart subsidy being applied?
 - MRV ensure long uptake of stoves & better understanding of the users
 - Leverage external finance & provide finance option for endusers;
 - Prospect of being able to sustain implementation over a longer period of time *esp* where they are on project basis

Cont.



But there are risks in over-reliance on carbon finance:

- Uncertainty about the future demand for carbon credits: demand for credits is hinged not only on ambitious climate mitigation targets, but also a willingness from countries and companies to use international credits to meet these goals;
- **Mismatch:** between the efficiency needs of a carbon project and the complexities and cultural sensitiveness required for a successful improved Cookstoves intervention
- If **business model** applied wrongly, it can hinder market transformation of the sector or kill business e.g. when prices of carbon dropped!!
- Changing national policy environment e.g. LPG program
- Uncertainty around stove uptake and usage rate

As Alliance we believe that.....



- 1.9 billion trees will be saved
- 17% reduced woodfuel emissions
- 1.6 billion metric tones of CO2 saved (Equivalent to that of 340 million passengers vehicles)

Cookstoves non-carbon impacts/co-benefits

- 640,000 lives saved including 17000 children
- 2.1 million sector jobs created
- 6.2% of household income saved
- 102 hours saved annually per hosehold collecting firewood

	.by reac	hing ou	ur 100	million	HH
by 2020					

More details



Thank you

For more information visit: www.cleancookstoves.org dwanjohi@unfoundation.org