

Exploring the evidence,
Mapping the way forward and Planning
for future actions for

Developing biomass energy in Tanzania

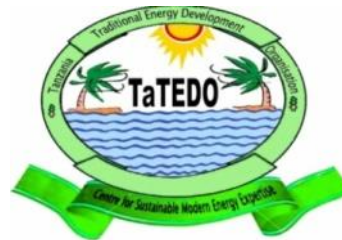
National Workshop, Dar es Salaam
26th and 27th February 2015



National Workshop for Exploring the Evidence, Mapping the Way Forward and Planning for Future Actions for Developing Biomass Energy in Tanzania

26 & 27 February 2015, Dar es Salaam

Photo Gallery



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About this photo gallery

This photo gallery captures key moments during the event:
“National workshop for exploring the evidence, mapping the way forward, and planning for future actions for developing the biomass energy sector in Tanzania”

The photos presented were taken by: Tuyeni H Mwampamba, Elida Fundi, Bettie Luwuge and Emil Grevas

the **objectives** of the workshop were to:

1. Explore the **Evidence** for a sustainable charcoal/biomass energy sector
2. Identify and prioritise **shared challenges** across the sector
3. Identify a **way forward** for BE Sector & for TTCS Phase 2
4. Embark on future **actions**



More than 60 key stakeholders from the national biomass energy sector attended the workshop across the two days



The workshop was organized by:
Tanzania Forest Conservation Group (TFCG),
Tanzania Network for Community Forest
Management (MJUMITA), and Tanzania Traditional
Energy Development Organization (TaTEDO)



Tanzania Forest
Conservation Group
Shirika la Kuhifadhi
Misitu ya Asili Tanzania



It was an important output for the Project: **Transforming Tanzania's Charcoal Sector**



financed by the
Swiss Agency for Development and Cooperation

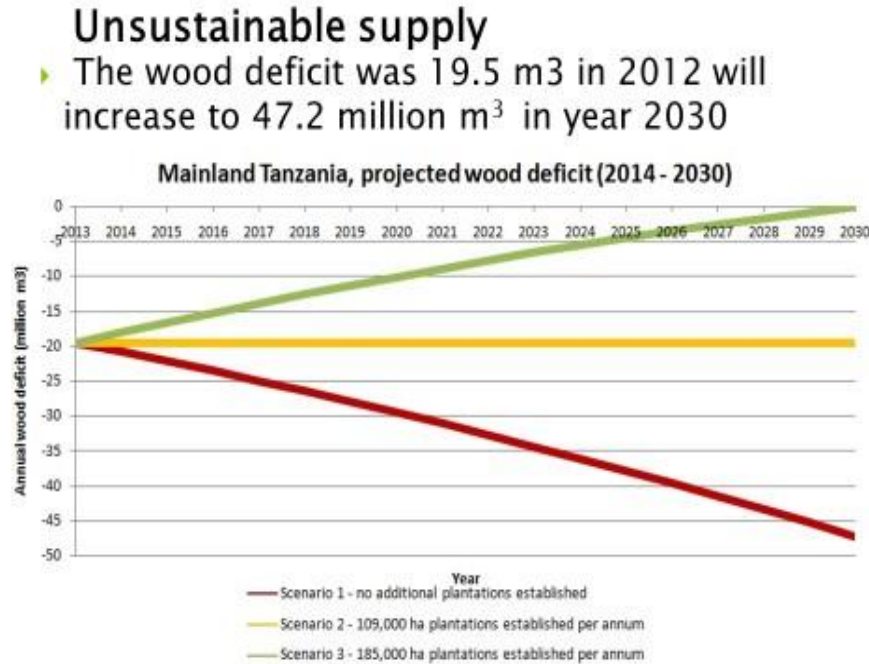
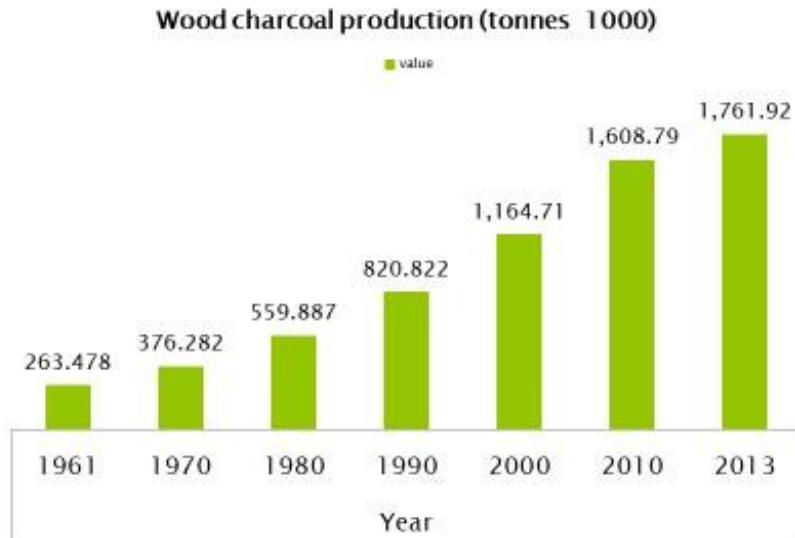


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Welcome remarks were given by the Executive Director of the Tanzania Forest Conservation Group (TFCG), Mr. Charles Meshack



They were followed by a keynote speech delivered by Prof. Ishengoma:
National trends in biomass energy in Tanzania



- A policy and legal framework is required to guide the sustainable development and growth of this sector

Remarks from the Government of Switzerland, his Excellency Ambassador Olivier Chave



Opening Speech by the Guest of Honor: Minister of Energy & Minerals, Hon. George Simbachawene



Participants meeting and interacting with Hon. Simbachawene



Prof. Ishengoma discussing with the Minister



Ms. Elida Fundi, TTCS Project Advocacy & Communications Officer meeting the Minister



Mr. Meshack, Director of TFCG and Mr. Sawe Director of TaTEDO interacting with the Minister

Hon. Minister Simbachawene being interviewed by the media



Members of parliament in the Natural Resources and Environment, and Energy sectors also participated and provided their insights and commitments to workshop outcomes



Hon. Muhtaza Ally Mangungu, MP Kilwa,
Representing the Chair of the Parliamentary
Committee on Energy and Minerals Sector



Hon. James Lembeli, MP Kahama and Chair
of the Parliamentary Committee on Natural
Resources and Environment

Introduction to the draft National Biomass Energy Strategy by MEM



Mr. Paul Kiwele, Representing the Assistant Commissioner Assistant Commissioner for the Renewable Energy Sector, MEM delivering a talk on BEST and its recommendations

Why is Biomass Energy Important?

- **Principal fuel of the rural and urban population**
- Biomass is a versatile energy source that can be used for production of heat, power, transport fuels and biomaterials, apart from making a significant contribution to climate change mitigation.
- Biomass fuel sources are readily available in rural and urban areas of all countries.
- Biomass-based industries can provide appreciable employment opportunities and promote biomass re-growth through sustainable land management practices.
- **When improved & used more efficiently**
 - Reduces expenditure on fuel
 - Its Production, transformation & distribution generates jobs and creates micro, small & medium scale enterprises

Development of Tanzania BEST

- It is anticipated that the outputs from the BEST Tanzania Project will be used primarily by All relevant stakeholders: Central and local governments NGOs and the private sector active in the biomass energy sector.

Marketplace presenting style was applied for getting to know other initiatives in Tanzania related to biomass energy supply, demand and substitutes



Edwin Nssoko, Project Manager of the UNDP Miombo Charcoal Project Tabora presented their experiences. This project served as a useful alternative model to explore for sustainable charcoal production



Jasper Makala, Chief Executive Officer of the Mpingo Conservation and Development Initiative (MCDI) sharing their experiences, which were useful for demonstrating management of natural Miombo forests for extraction, and the benefits and challenges of working with standards

Marketplace presentations for getting to know other initiatives in Tanzania related to biomass energy supply, demand and substitutes



Executive Director of TaTEDO, Mr. Estomiah Sawe, discusses with participants the experiences that TaTEDO has had with building and training on improved cookstoves (ICS), improved kilns and briquettes



Ms. Manon Lelievre, Program Officer of ARTI Energy spoke specifically about the charcoal briquette program (Mkaa Mkombozi) and the challenges and impacts the initiative has had

Group work activity to discuss and analyze the experiences of ongoing biomass energy initiatives in the country



Example of output from group work Activity 2. Participants analyzed the contribution of existing initiatives to BEST and the challenges faced by the Sector

ACTIVITY 1: GROUP						
PROJECT	ACTION GROUP	ACTION ITEM	PROJECT IMPACT	SCALABILITY	BARRIERS/ CHALLENGES	OTHER SIMILAR EXPERIENCES
TTCS	2. Biomass Energy Supply (2.1, 2.3, 2.5, 2.6, 2.7)	2.1- VFM Plans 2.3- LAFM Plans (Gland) 2.5- Org. Reg. of charcoal Producers 2.6- Sust. charcoal prod and cert. 2.7- Collx of forest E. fees	- 6000ha VFR est. and conserved - 6000ha under SCP. - Improved. rev. collxn. (V.G., producer, Districts)	- High scalability in Miombo woodlands	- Conflict of interests (CBFM vs TFS/districts/UGA) - Skepticism (new?) from some stakeholders	- Similar project in Iringa
TATEDO	3. Biomass Energy dem.	3.1- Improved Cook stove	- Reduced rate of increasing charcoal consumption.	- High	- Inadequate policy support - Inadequate budget	- Small & informal groups mushrooming.
ARTI-72	4. Commercially-viable biomass E. subst.	4.1 Biomass Briquettes 4.3 Forest residues	- Increased adoption (40t/yr → 30t/yr)	- High	- Inadequate financial resources - Techn. barrier	- SIDO - TATEDO - Small & informal groups - individuals

Outcome from discussions and analyses of the biomass sector

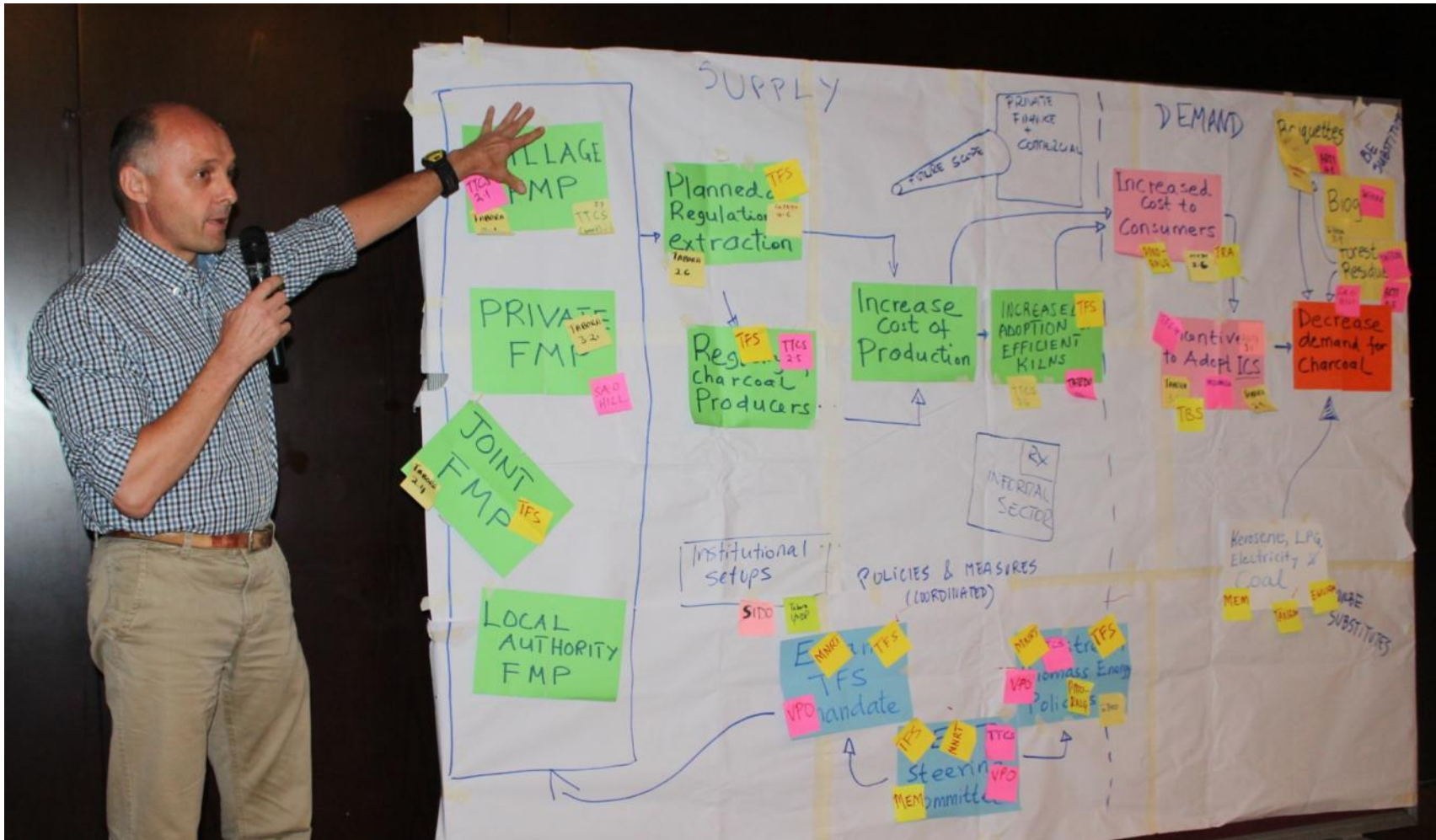


Analysis and discussions on existing biomass energy projects in Tanzania was centered around recommended actions in the draft National Biomass Energy Strategy (BEST). This schematic captures the logic behind BEST. Green boxes relate to biomass supply actions; blue boxes relate to Policy & Measures actions; Pink refers to demand or user-end actions; yellow boxes are actions related to supply of biomass energy substitutes; and white are actions related to the supply of non-biomass energy substitutes

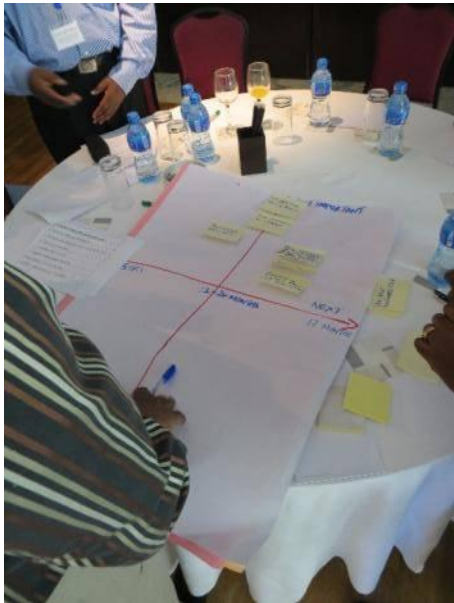
Plenary discussions after presentations and group work activities enriched the discussions, provided the space to hear individual and sector opinions



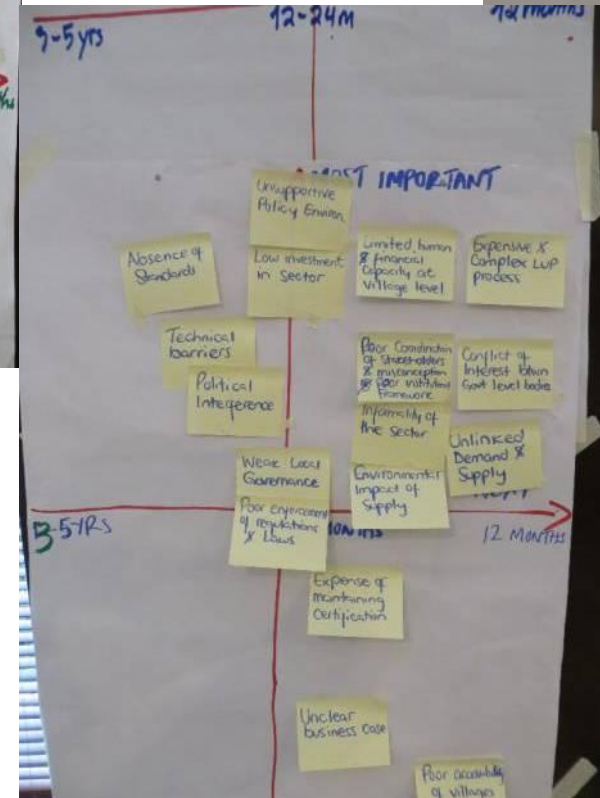
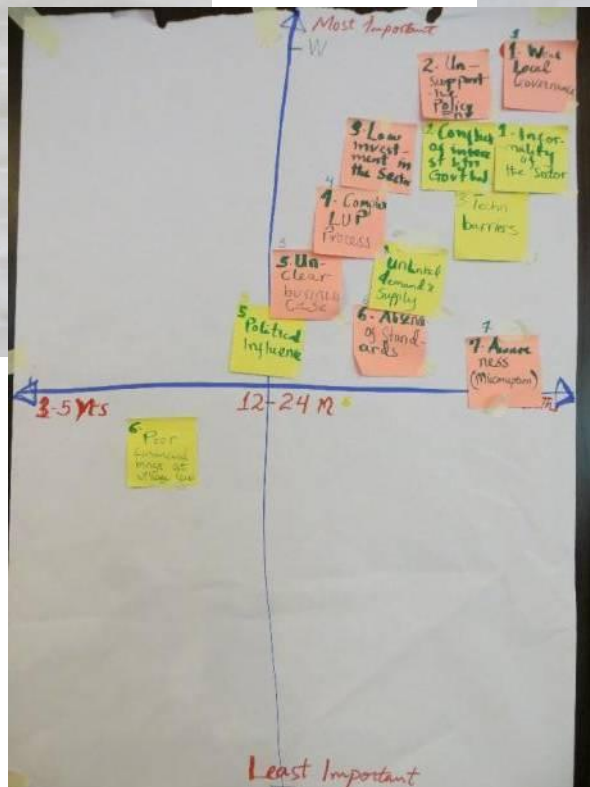
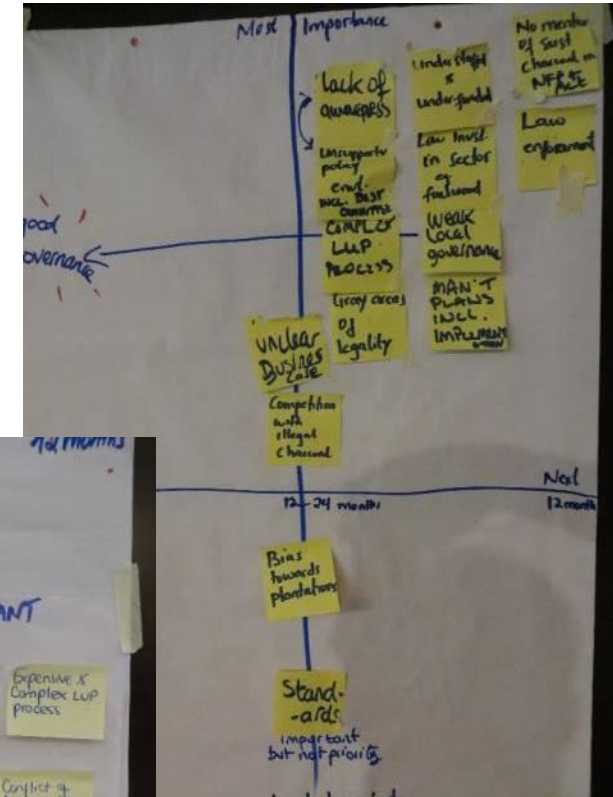
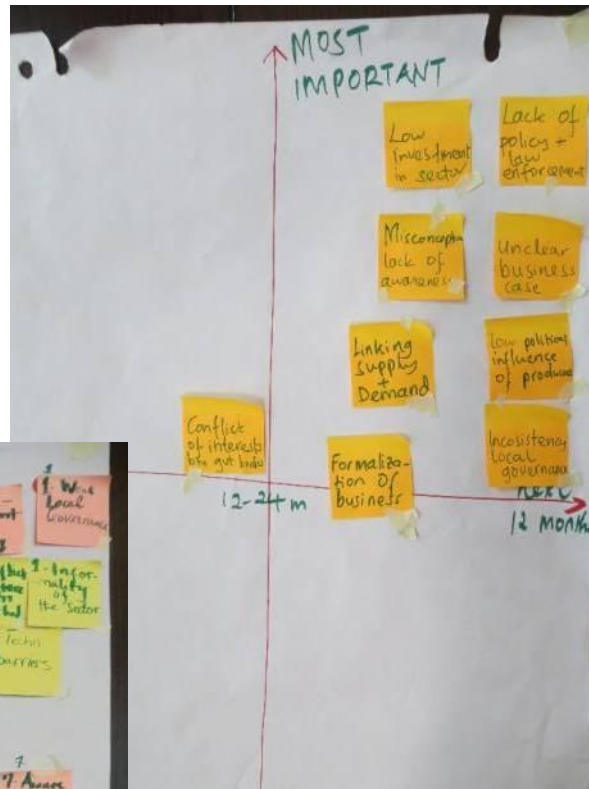
Participants contributing their knowledge, experiences, insights into plenary discussions



Group work activity: Prioritization of challenges faced by the sector



Group work: output from prioritizing shared challenges



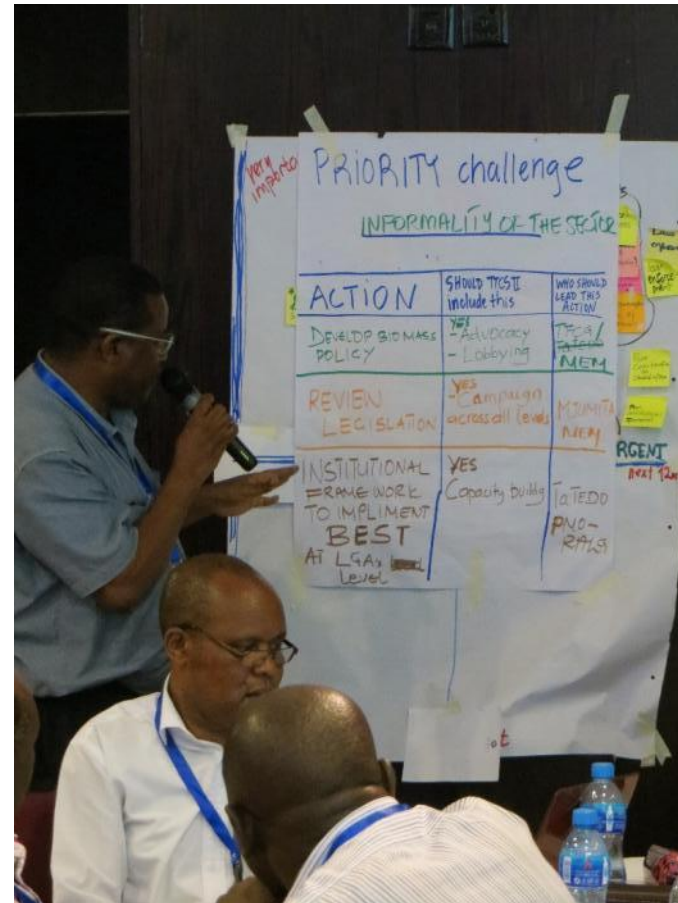
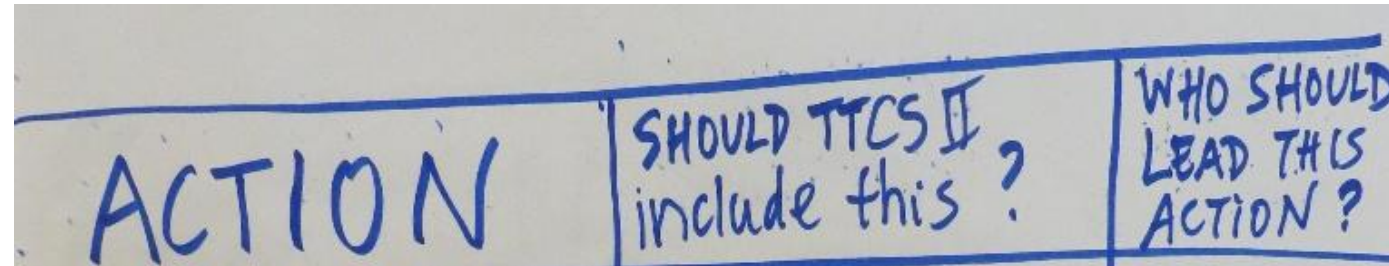
Consolidation of priority (very important and urgent) challenges



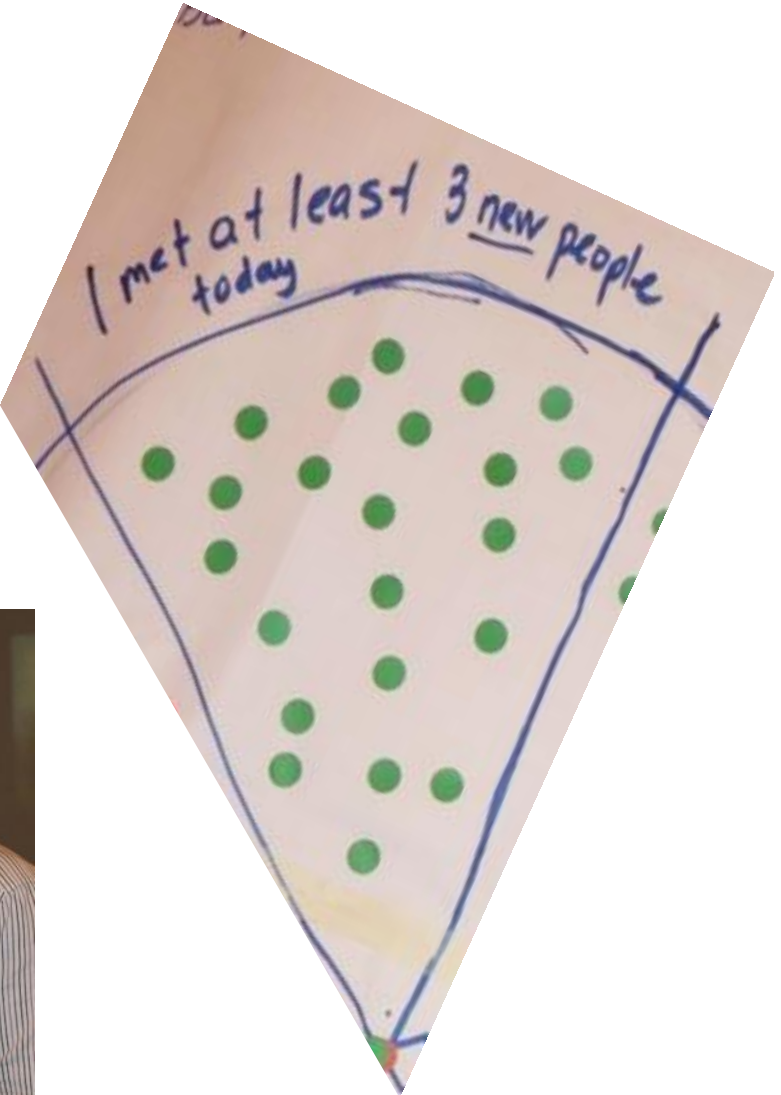
All challenges that were identified as highly urgent (i.e., requiring action within the next 12 to 24 months) in group work were consolidated into this diagram which was discussed in plenary. Similar challenges were grouped. Five priority challenges were identified (circled challenges), for which immediate action is needed. The five challenges are:

1. Unsupportive policy environment;
2. Low investment in the sector
3. Misconceptions & Lack of awareness about charcoal
4. Complex & expensive land use planning (LUP) process, and
5. Informality of the sector.

Groups presenting in plenary the actions they deem most necessary to undertake in the next 12 months to address priority challenges



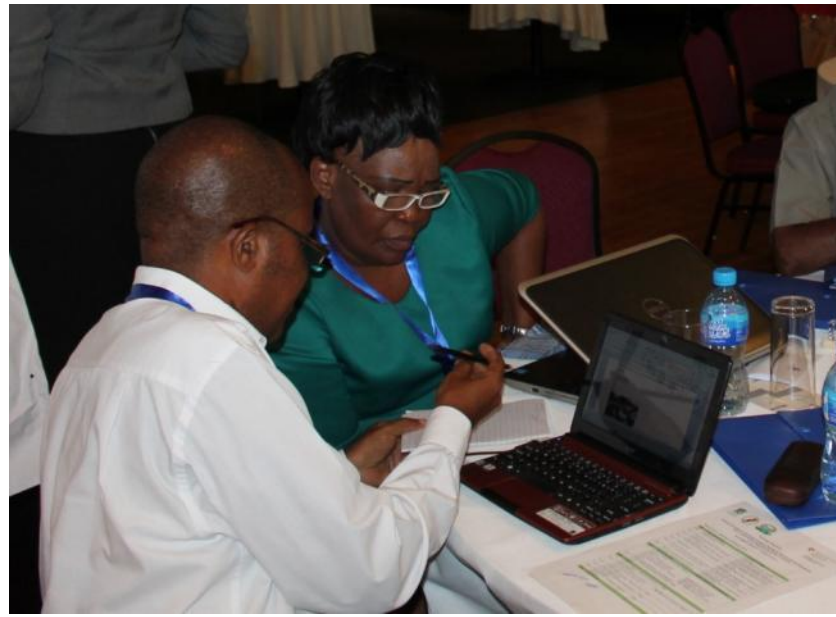
An important additional workshop objective was to provide the space and time for stakeholders to interact and build their networks



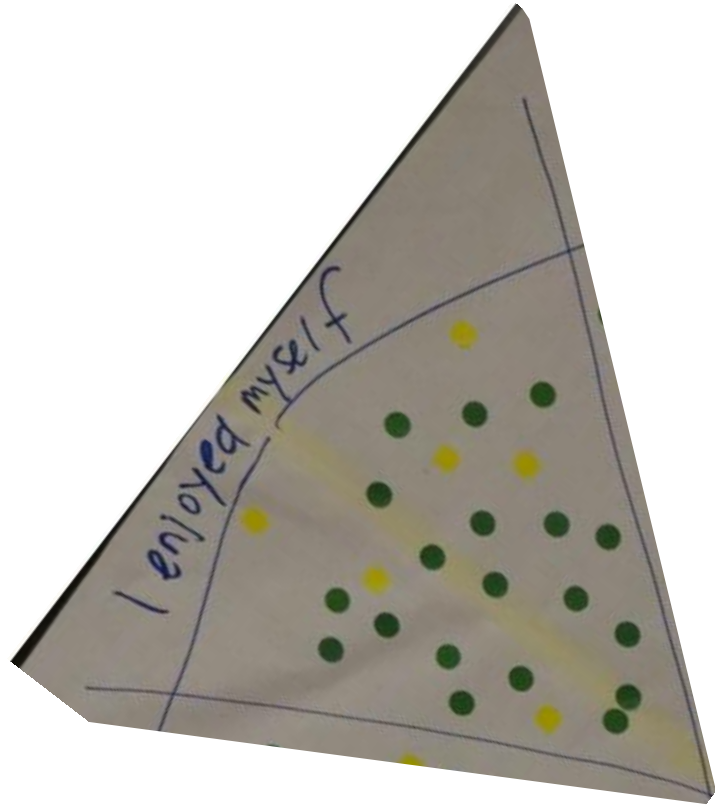
Honorable Minister of Energy and Minerals and his Excellency the Ambassador of Switzerland exchanging business cards and a joke after the opening ceremony



Building networks: participants meeting and discussing



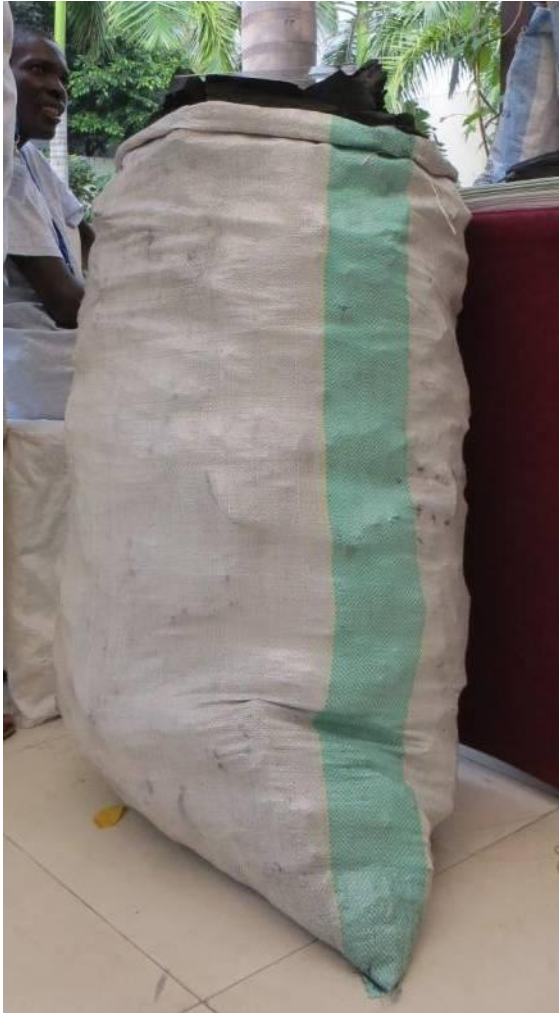
Sharing a joke, or two...most people indicated in the evaluations that they enjoyed themselves



Strengthening existing stakeholder relations



Charcoal producers from the TTCS Kilosa Project attended the workshop to display their sustainably produced charcoal



Also on display: Charcoal briquettes and briquette stoves



Display of improved cookstoves from TaTEDO, charcoal briquettes from ARTI, and sustainable charcoal (in brown paper bags) produced by the TTCS Project



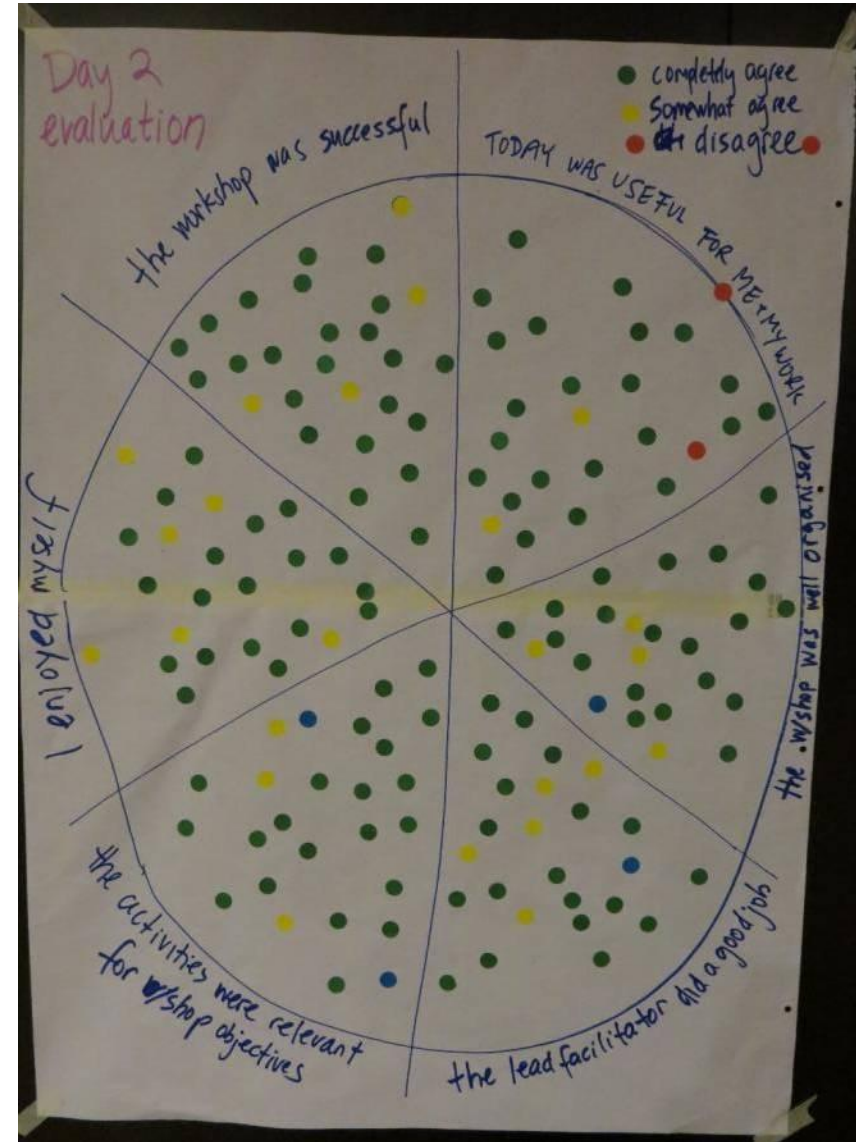
Each participant left the workshop with a gift bag containing sustainable charcoal produced by communities in Kilosa under the TTCS Project



Evaluating the workshop and interacting with each other before official close



Multi-criteria evaluation of the workshop



Way forward and Closing remarks by SDC, MEM & MNRT



Organizers, facilitators, and support staff



Organizer & Lead facilitator:
Dr. Tuyeni H Mwampamba,
UNAM



Organizer: Ms. Bettie
Luwuge, TFCG



Organizer: Mr. Jensen
Shuma, TaTEDO



Rapporteur:
Mr. Ewald E. Gervas, TFCG

Time keeper: Ms. Elida
Fundi, MJUMITA

