

STATUS OF CDM IN TANZANIA

PRESENTATION AT CDM WORKSHOP BY
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Areas

- Background
 - Tanzania DNA and its activities
 - Status and Potential CDM Project activities
 - Conclusion
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Background

- The Kyoto Protocol to the UN Framework Convention on Climate Change was ratified by Tanzania in August 2002. It came into force in February, 2005.
 - In order to undertake CDM project activities each Party to the Protocol has to put in Place a Designated National Authority (DNA) to oversee the implementation of the CDM project activities at national level. The VPO – DoE is the Tanzania DNA.
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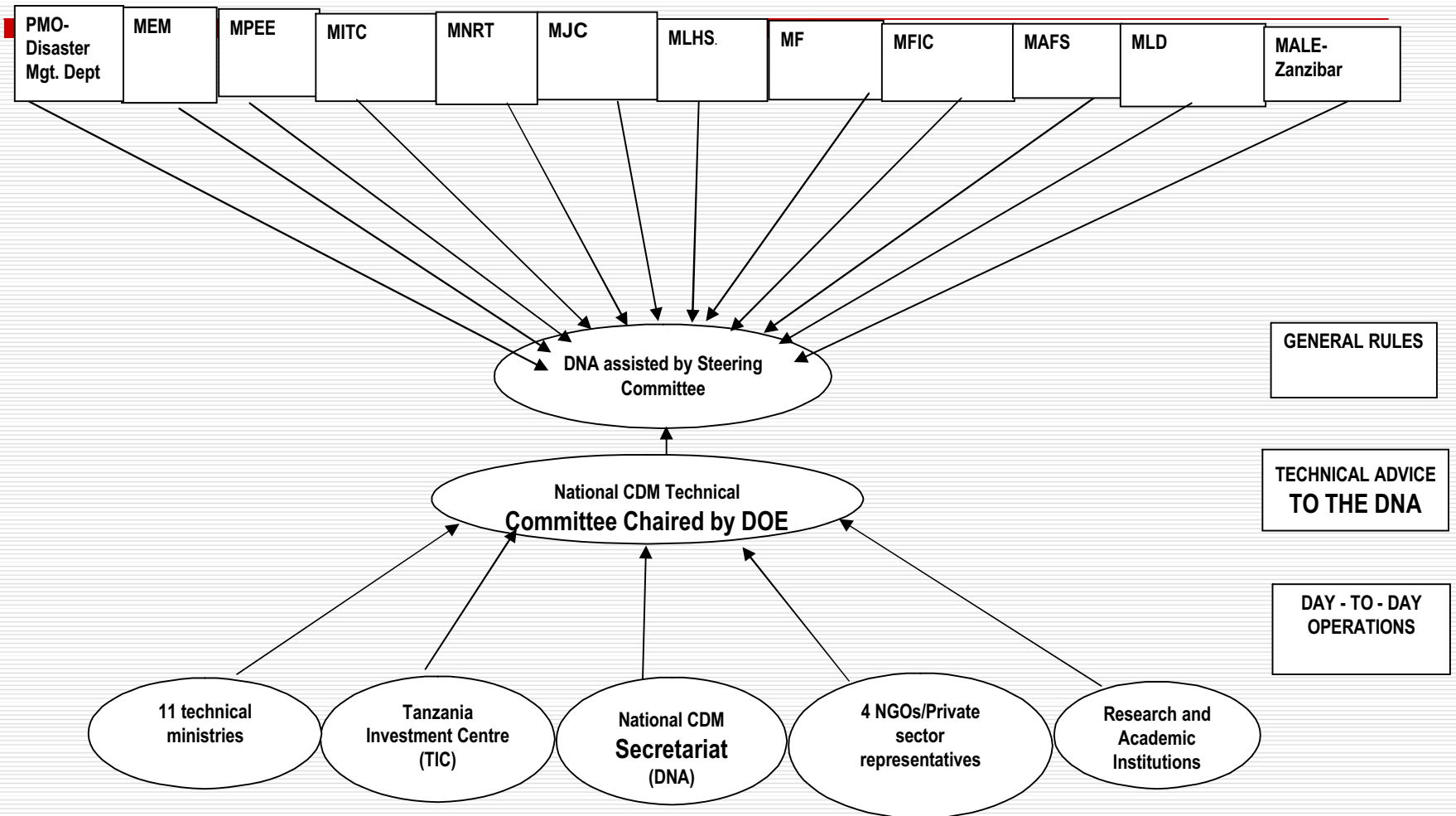
Tanzania DNA

- Its functions are to provide written approval of the voluntary participation of each Party involved in the proposed project and to confirm the project's sustainable development credentials. Other functions of the DNA include:
 - Awareness raising on CDM project activities;
 - Coordination of national agencies/stakeholders; and
 - Provision of procedures for registering and in-country monitoring of CDM projects.
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Role of DNA

- In so doing, the DNA is assisted by the review committee with members from the relevant sectors of the proposed project (s). Through such process the DNA is able to track and control CDM project activities so as to conform to the national sustainable development priorities. Letters of no objection (LONO) are provided once the Project Idea Note (PIN) has been submitted to the DNA and Letters of approval (LoA) for each project activity are provided within one month after the PDD has been developed and submitted to the DNA. Thus it is important to involve the DNA right from the beginning of the project development.
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DNA Institutional Arrangement



Potential areas: Energy balance

- ❑ Ninety percent is biomass (woodfuel – charcoal + firewood)
 - ❑ 1.5 percent electricity - thermal and hydro plants
 - ❑ 7 Percent imported petroleum products (for non electricity application – mainly transport)
 - ❑ the rest Coal (only about 80,000tons annually – Kiwira + Mbeya cement) and non wood renewable plus a bit of natural gas used directly for thermal application displacing heavy fuel oils e.g. Twiga cement, Tanzania Breweries, Aluminum Africa, Karibu Textile etc.
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Electricity

- ❑ Hydro 561MW installed capacity (maximum available 555MW)
 - ❑ Thermal 450MW (Diesel and Natural gas) installed capacity and can be available.
 - ❑ This exclude Artmus (around 8MW) power generation Mtwara and Lindi.
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Thermal

- ❑ IPTL 100MW –DSM Diesel
 - ❑ Aggrekor 80MW Ubungo
 - ❑ Dowans/Richmond 80MW Ubungo
 - ❑ Songas 200MW Ubungo
 - ❑ Astrom 40MW Diesel
 - ❑ Other generations 30MW –Mafia, Kigoma, + about 17 other districts not on the grid
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Status and Potential areas

- Through various CDM awareness workshops, Training Seminars, E-Learning courses on CDM and specific interventions such as the UNEP RISOE CD4CDM Programme, the REEEP Programme and the Austrian CDM capacity Building Programme for Africa, Tanzania has been able to stimulate CDM project activities in various areas.
 - So far one CDM Project has been registered with 202,000 CERs, making Tanzania one of the first ten Africa countries to register CDM projects.
 - There are a number of projects at various levels of development as shown in the Table below
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Twelve CDM projects with PINs and or PDDs

Project name	PP	Level of development	CERs expected (tCO2 eq.)	Developer /Consultant/programme	Support Needed	Other issues
Mtoni Landfill gas capture and energy generation Project	DSM City Council/Stabile Globus, Italy	Registered	202,271	Globus	-	Will also produce 2.5 MW of energy
Wind Energy Project	Wind Energy Tanzania Ltd	Preparing PDD	100,000	Camco International	-	Will produce 200MW of wind energy
Use of Biolatrine for methane capture and destruction at five Prisons in Arusha, Moshi and Tanga	CARMATE C, Arusha, Tanzania	PIN being completed	50,000	EPMS under CD4CDM programme	Preparation of PDD	Potential for expansion through bundling by adding more prisons and higher learning institutions

Bagasse Cogeneration at TPC Moshi	TPC Moshi	Initial attempts to develop a PDD failed. Trying a PIN again through CD4CDM programme	-	EPMS under the CD4CDM programme	Preparation of PDD and related registration costs	Since 2005 with capacity additions produces 12MW
Power production from sisal waste biogas	Katani, Tanga	PIN completed	-	EPMS under the CD4CDM programme	PDD Preparation	Possibility of bundling to produce up to 4MW energy for the user

Forest Plantation Project	Community Development Cooperation Ltd.	PIN Preparation	-	CEEST Under the CD4C DM Programme	Funding for PDD Preparation	Additional expert support for baseline determination
Same and Mwanga Forest Project (SMFP)	SafariJet Services Ltd	PIN Preparation	-	CEEST Under the CD4C DM Programme	Funding for PDD preparation	Additional expert support for baseline determination
Biomass Co-Generation Project, Tanga Cement, T LTd	Tanga Cement Ltd	PIN preparation	100,000	EPMS under the CD4C DM programme	Funding for PDD preparation. Buying CERs	-
Fuel Switching from the use of gen sets to natural gas in Mtwara and Lindi	Artmus Tanzania Ltd	PDD preparation		Artmus Consultant	-	For discussion at this meeting

Other Potential areas

- ❑ Coal Mine Methane in the southern Highlands of Tanzania – MMI Steel Mills and Mabibo Wines Ltd
 - ❑ Fuel Switching. Over 20 processing industries have done fuel switching since 2005 and ten more are in the process of fuel switching. See the attached list.
 - ❑ Waste water management
 - ❑ Efficient Use of Non Renewable Biomass- efficient cook stoves etc.
 - ❑ Switch from Non-Renewable to renewable biomass.
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Potential areas

- Mini Hydro taking into account the vast river systems Tanzania has
- LULUCF activities – Both under CDM A/R and voluntary markets

Of all these SSC are more preferred because of the low transaction costs and .

I thank you
