

Views on the remaining Kyoto period and beyond

Wondwossen Sintayehu
DNA Office, Ethiopia

Outline

- 1. Background**
- 2. Ethiopia's CDM potentials**
- 3. DNA Structure, legal setups and approval procedures**
- 4. Pipeline CDM projects, Ethiopia's NAMA**
- 5. Views on remaining crediting years and beyond**

1. Background

- Ethiopia is party to both UNFCCC (1994) & Kyoto (2005).
- EPA is the DNA.
- DNA Activities
 - Identification of CDM potentials in various sectors,
 - CDM Advisory Panel,
 - CDM Approval Procedures,
 - Templates for PINs and PDDs,
 - Sustainable Development Criteria,
 - Capacity building activities,
 - CDM website,
 - Assessment of the Grid Emission Factor,
 - Baseline information on some sectors – ongoing
 - National forest definition
 - Feed – in tariff law in pipeline
 - Carbon finance law in pipeline

2. CDM Potentials

- **Afforestation and Reforestation to Sequester Carbon Dioxide & REDD**
- **Supply Side Energy**
 - Bagasse Cogeneration to displace Diesel Marginal Production on Inter-Connected System (ICS) or to Self-Contained System (SCS)
 - Ethanol Production to displace Diesel, Gasoline and Kerosene
 - BioDiesel Production from Jatropha Plantations to displace Diesel Fuel
 - ICS Hydro Power Production for Increased Demand
 - ICS Transmission Connections to New Customers
 - ICS Transmission Connections to SCS
 - Renewable Power Production to SCS and Gen Sets
- **Demand Side Energy**
 - Addis Ababa Light Rail Transit (70 Km)
 - National Railway Network (5000 Km)
 - Transport Fuels Displacing Diesel and Gasoline
 - Stoves and Cooking Fuels Displacing Kerosene
 - New Building Construction Using Low Emission Cement, Incorporating Bio-Digesters for Sewage and Using Energy Efficient Design and Technologies
 - Industrial Energy Efficiency to avoid Diesel Marginal Production or reduce onsite hydrocarbon energy production
- **Waste Management**
 - Landfill Methane Gas Capture and Power Generation
 - Landfill Organic Waste Separation and Composting
 - Bio-Digester Processing of Sewage and Sludge Composting
- **Cement Production that increases share of Clinker in Blend**
- **Fertilizer Production that decreases use of hydrocarbon based ingredients**
- **More others...**

3. DNA Structure

- EPA is the DNA,
- EPA works with the CDM Advisory Panel – EPA serving as a Secretariat,
 - LoNo granted to PINs – EPA
 - LoA granted to PDDs – CDM Advisory Panel
- Panel consists of : -
 - standing members (MoME, MoARD, EEPCo),
 - others called upon on a case by case basis.

4. Pipeline CDM Projects

No	Project title
1	Ethanol (biofuel) production project in the Ethiopian sugar industries
2	Production and marketing of biofuel
3	Integrated A/R & Biofuel project in some woredas of BGNRS, SNNPRS, & ARS
5	Establishment of distillery plant to produce fuel ethanol & biogas from cane molasses to substitute fossil fuel
6	Ethiopian Millennium initiative of Household energy efficiency. Dissemination of efficient household light bulbs project
7	Rehabilitation of degraded land through bamboo planting
8	Choke Mountain Afforestation & Reforestation Project
9	Hakim Gara Reforestation Project
10	A proposal to demonstrate how to operate a highly beneficial clean cook stove
11	Meta Abo Brewery Watershed Development
12	Carbon Sequestration by 10 Woredas (districts) farming communities of Tigray, Oromiya and Amhara Regions
13	Converting Methane into renewable energy through biogas digester in Mekele University
14	Humbo Reforestation project
15	Coffee Husk & other biomass as alternative kiln fuel at Derba MIDROC Cement Plant
16	Waste kiln capture & utilization through transfer of efficient transfer kiln or waste heat capture technology

4. Pipeline CDM Projects

17	Methane Capture from Wastewater Treatment
18	AWMS Methane Recovery Project, Mojo
19	CDM Emission Reduction through Renewable Energy Ethiopia
20	Introduction of new Ethiopian cement types for non compressive strength applications at Derba MIDROC Cement Plant
21	Waste per heater for kiln raw mix & fuel drying at Derba MIDROC Cement
22	Non Carbonate minerals in raw mix of clinker production at Derba MIDROC Cement
23	Keto Energy Piloting Project

Ethiopia's NAMA

5. Views on Remaining Crediting Pds.

- We expect a two track approach
 - that the Kyoto Protocol continues (second commitment pd.) – carbon market continues with in the Kyoto framework, EU's pledges will continue and with more force and more project while EU-ETS should entertain forestry projects,
 - In parallel, we expect the continuation of a process that also encompasses the participation of countries out side the KP.
- Crediting based on our NAMAs (about to be submitted)