

ClimateNet Side Event 19.May.2012, Bonn - Germany

# Background

- Population: 80,801,170 (2011 est.)
- GDP (2010):
  - \$218.89 Billion
- GDP by Sector
  - agriculture: 13.5%;
  - industry: 37.9%;
  - services: 48.6%











### Durban outcomes (Mitigation by NAI), cont.

#### - Registry:

- dynamic, web-based platform, prototype by SB36
- Invite NAI to submit, as appropriate, to the Secretariat the info on individual NAMAs seeking int'l support
- Invite financial organization to submit info on available finance/CB/TT

### **Cancun Decision 1/CP.16**

#### - Finance:

- Para 97: scaled up, new and additional, predictable and adequate funding shall be provided to developing country particularly vulnerable
- **Para 98**: developed countries commit to mobilize USD 100 billion per year by 2020 to address the needs of developing countries
- Para 101: Take note of the relevant reports on financing needs (adaptation and mitigation)











### **Power Sector**

- Overall abatement potential is in the range of ~116 Mt CO2e, equivalent to ~56% of total power BAU emissions in 2030
- ~37% of the overall abatement potential (~43 Mt CO2e) is driven by reduction of electricity demand in consuming sectors (mainly from building sector)
- Solar, Wind and Hydro, with a total abatement potential of ~54 Mt CO2e represent the most relevant levers
- Total investment required through 2011-2030 to capture the overall potential is in the range of EUR ~22 billion



# **Potential for Emissions Reduction**

Cement 36.37 0.78 0.20 26% 9   Iron and 14.57 1.29 0.30 23% 3	
Iron and 14.57 1.29 0.30 23% 3	.30
Steel	.40
Fertilizer (Ammoni a) 4.80 1.05 0.32 30% 1	.44

	Vehicles	railway	CO2
		locomotives	Emissions*
1990	1,025,060	774	21.368
2000	2,292,576	870	27.21

Source: SNC 2010

\* Using tier 1







# **National Arrangements**

Recommended to be added;

-Ministry of Foreign Affairs

-Ministry of Interior Affairs

-Ministry of Planning

-Others...

#### National Team

- Ministry of Environment
- Ministry of Petroleum
- Ministry of Transport
- Ministry of Energy
- Ministry of industry
- Ministry of Agriculture
- Ministry of Housing
- First meeting (22.Aug.2011)

### National Arrangements, cont.

- Phase I
  - Transport sector
  - Housing sector
- Phase II
  - Energy sector (including petroleum)
  - Industry sector
- Phase III
  - Agriculture sector
  - Waste sector

# National Arrangements, cont.

- Phase I
  - NAMAs (Transport and Industry)
  - LEDS Framework
- Phase II
  - NIS
  - Domestic MRV Criteria

National Expert Meeting on 29.Dec.2011



## Challenges

- 1. Volatility of Carbon Markets
- 2. Future of CDM & Carbon Markets
- 3. Fund (GCF, Long Term Finance, ..etc)
- 4. Capacities (institutional, individual)
- 5. Technology Transfer
- 6. MRV (Domestic Criteria)
- 7. LEDS (sector specific)
- 8. NIS
- 9. P-P-P

# **Preliminary list of NAMAs**

#	Project	Est. red. By 2020 Mt CO2e
1	Greater Cairo Ring Road Afforestation Project	0.8
2	Scrapping and Replacement Program of Two-Stroke Motor Cycle in Egypt	0.12
3	Line 3 Greater Cairo Metro Network Phase 1 &2 Project	0.34
4	Fuel Switching for Industrial Processes in Delta Steel Co.	0.09
5	Fuel Switching from Light Oil and Cookoven Gas to Natural Gas in El- Nasr Forging Industry Co.	0.02
6	Fuel Switching from Mazout to Natural Gas in General Co. for Paper Industry (RAKTA)	0.15
7	Fuel Switching from Heavy oil to Natural Gas in El-Nasr Wool & Selected Textiles Co. – STIA	0.014

#	Project	Est. red. By 2020 Mt CO2e
8	Fuel Switching from Solar to Natural Gas at the Egyptian Plastic and Electrical Industries (E.P.E.I) Co. Project	0.08
9	Egypt Household CFL Project	1.8
10	Energy Efficiency in Water Pumping Systems Project at Greater Cairo Drinking Water Company	0.56
11	Natural Gas Leaks Reduction on Gas Distribution Networks of the Ministry of Petroleum of the Arab Republic of Egypt submitted by Oneliria Trading LTD. Co.	2.4
12	Street Lighting Project – North Cairo Electricity Distribution Company	0.6

