The Seventeenth Asia-Pacific Seminar on Climate Change

"Co-Benefits Approach for Incorporating Climate Change into The National Economic Development"

> S. Muthusamy Economic Planning Unit MALAYSIA

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Strengths:

- Macro outlook setting strategies and future direction
- Sectoral development perspective
- Development budget allocation greater 'leverage'
- Wider stakeholders representation IAPG & TWG



Constraints/barriers:

- Climate change global "tragedy of the commons" why bother?
- Determining "Trade-offs" between climate change and development – resource allocations
- Choosing appropriate policy options regulatory; economic instrument
- Conflicts with social and economic development objectives
- Political consideration mitigation vs. adaptation
- Insufficient relevance of available information

Climate Change Commitment Milestones

Year	Milestones
1989	Ratified Montreal Protocol
1994	Ratified UNFCCC
1995	Setup National Committee on Climate Change
2000	Submitted Initial National Communications
2002	Setup National Committee on CDM
2004	Begins preparation for Second National Communication
2006	CDM projects registration with EB (15) 8



Sector	CO ₂ equivalent
Energy	97,852
Industrial processes	4,973
Agriculture	6,925
Land use change & forestry	7,639
Waste	26,925
Total emission	144,314
Net total (after subtracting sink) 75,593









CO ₂ Emission Trend								
							9	6 change
	1990	1995	1998	1999	2000	2001	2002	90-02
 CO2 Sectoral Approach (Mt of CO2) 	47.40	75.54	92.65	99.75	106.80	110.92	115.65	5144.0%
 CO2/Population (t CO2 per capita) 	2.60	3.67	4.18	4.39	4.59	4.66	4.76	83.1%
Source: IEA, 2004								15



GHG Emission Reduction Potentials

1. Use of Palm Oil Biomass

	EFB (million tons)	Potential Energy (m toe)
2000	10.5000	2.2586
2005	11.9364	2.5676
2010	13.4841	2.9005
2015	13.3623	2.8743
2020	14.5887	3.1381
Source: DANIDA studies		17

2. Energy Efficiency in the Industrial Sector

MEEP study on 8 industrial sectors – Glass; Cement; Iron & steel; Pulp & paper; Rubber; Ceramic; Wood; and Food

i)	Cement	:	30.0%
ii)	Iron & steel	:	3.8%
iii)	Glass	:	2.0%
iv)	Pulp & Paper	:	5.0%

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Synergetic measures between local concerns and climate change:

i.	Air pollution	:	Restructuring public transport system (30:70). Adopting stringent emission standards ; Cleaner fuel. Encouraging use of natural gas.
ii.	Sustainable Resource Use	:	Promote utilisation of renewable energy. Energy efficiency-building, transport sector. Eco-labelling to promote energy efficient appliances.
iii.	Cleaner Production	:	Promote alternative production techniques. Energy efficiency activity in energy intensive industries. Recovery of heat / power from waste treatmen
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Opportunities for "Co-Benefits Approach":

- Scale-up local concerns and scale-down global issue – situate global climate solution in the context of other local pressing concerns
- Inter-sectoral planning / create synergy among different departments
- Explicitly demonstrate environmental and socio-economic benefits

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