

# Korea's Countermeasure on Climate Change and CDM

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CDM Asian Regional Investor Forum  
October 27-29 2004, Manila, Philippines

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# Republic of Korea at a glance

# Key Index of Korea(2001)

	GDP	Exports	Imports	Total primary energy consumption	Population	CO2 emmission s(IEA)
Figure	422 billion USD	150,439 million USD	141,098 million USD	195.9million TOE	48million	435.8 million CO2 ton
No. of country	51	41	41	61	228	
Ranking	12	13	14	10	26	9

# The Status of Korea

- ⊞ High growth rate of CO2 emissions : 92.7%(`90-'01)
- ⊞ Different Economic/Industrial Structure from Developed Countries
  - still largely depends on energy and material intensive industries
  - 5% of economic growth rate (yearly average)
  - highly depends on international trade (about 60% of total economic activities)

# Korea's Policies to Combat Climate Change

# Countermeasure System

- ⊕ National Assembly `Special Committee on Climate Change (since Dec.2000)
- ⊕ Inter-ministerial Committee led by Prime Minister (since Apr. 1998)
  - 6 Working Groups: Comprehensive countermeasures, Environment, Energy/Industry, Agriculture, Negotiation ,R&D teams
  - 5 Expert Teams: CDM/Joint Implementation, Emission Trading, Statistics, Compliance, Carbon Tax Teams

# Organization Chart of the Inter-governmental Committee

## Inter-Ministerial Committee

Chair : Prime Minister

Member : related Minister and the chief of government agency

## Vice-Ministerial Committee

Chair : Deputy Minister of Office for government policy coordination

Member : related vice Minister

## Working group Meeting

Chair : economic policy coordinator of the office for government policy coordination

## Sectoral Working Group(6)

Comprehensive Countermeasure

Negotiation Group

Energy Industry Sector

Environment Sector

Agriculture and Forestry Sector

R&D

CDM/JI

Emission Trading

Carbon Tax

## Research Team(5)

GHG emissions Inventory

Implementation of Obligation

# National Comprehensive Action Plan

- 'Interministerial Committee' led by Prime Minister established and implemented 'The 1st National Comprehensive Plan for Reducing GHG' (1999-2001)
- The Second National Comprehensive Plan for Reducing GHG' (2002-2004)
- The Third National Comprehensive Plan for Reducing GHG' (2005-2007)

# Korea's Countermeasure System on CDM

# DNA Organization Structure

**Inter-ministerial Committee**  
Chair : Prime Minister

## Advisory group

EMC, NIER, KEI, KEEI, KEMCO,  
KIER, NIAST, KFRI

## CDM Review Committee

Chair : Economy coordinator  
of the office for gov. policy coordination

## Function

- review the feasibility of project
- establish the review standard
- cancel or review for reappraisal of approved project

## CDM review administrative committee

Chair : Industry consultant  
of the office for gov. policy coordination

## Approval Standard

- Contribution to sustainable development
- Additional GHG emissions reduction
- E/T/D impact Assessment if subject to
- Effect of technology transfer
- Contradiction to national policy

# Application for CDM Approval

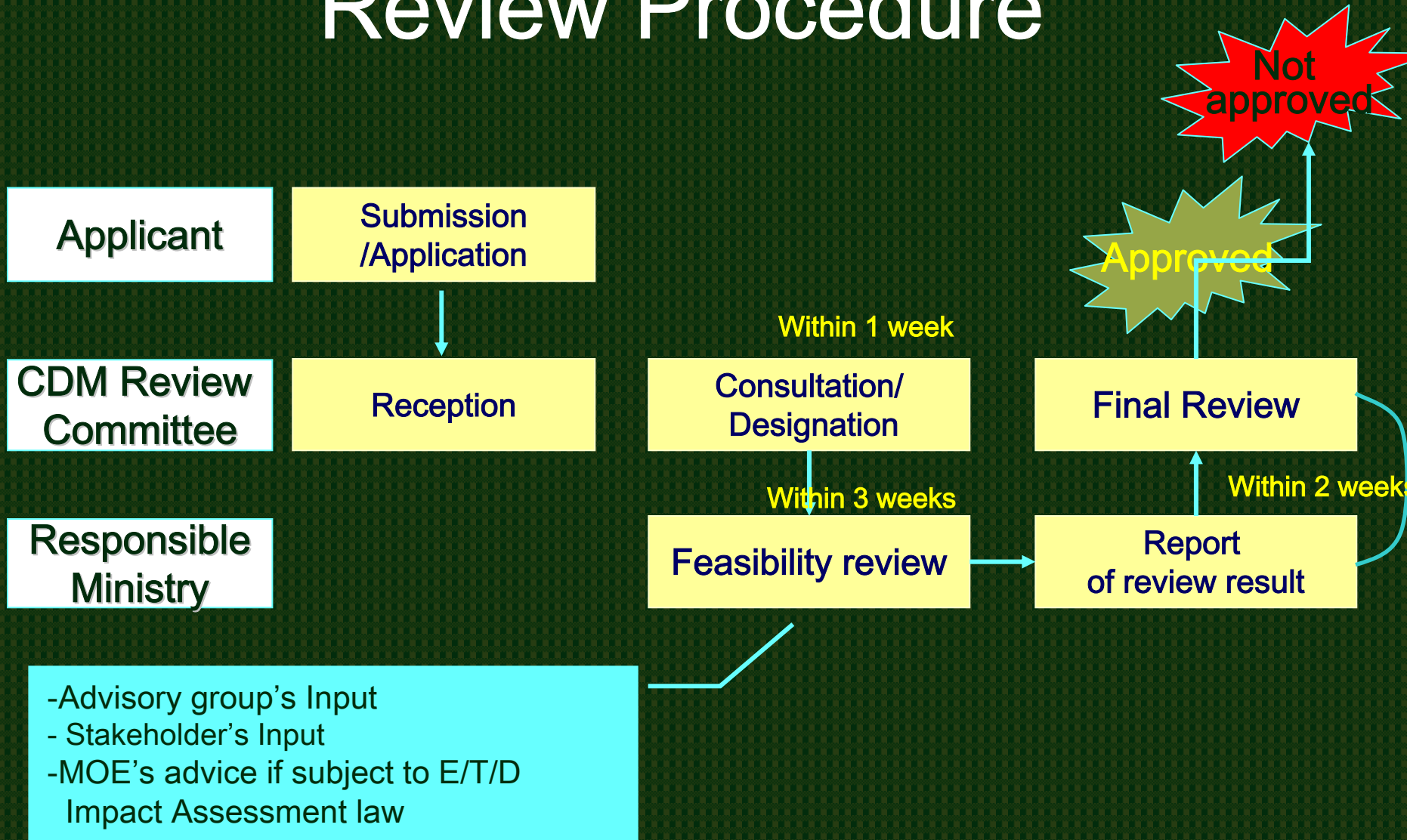
## Reception

Industry Inquiry office of OPC

## Documents to be submitted

- Written application for CDM project approval
- Project Design Document
- Investment inclination documents from Annex I country or corresponding documents
- Approval letter of Annex I country on CDM project
- Feasibility study report of CDM OE(if possible)
- Report on approval acquisition by CDM EB on baseline and monitoring method
- Environment Impact Assessment report

# Review Procedure



\* All review proceedings to be completed within 6weeks, 1month extension in special case

# E/T/D Impact Assessment law

- ⊞ Environment Impact Assessment
- ⊞ Traffic Impact Assessment
  - Project
  - Facilities
- ⊞ Disaster Impact Assessment
- ⊞ Population Impact Assessment

# CDM Project in Korea

# HFCs Decomposition Project in Ulsan

- ✚ Title : HFC Decomposition Project in Ulsan
- ✚ Location : Ulsan in Korea
- ✚ Outline of Project Activity
  - Decomposition of HFC23 as byproduct(2.9-3.0%) from the manufacture process of coolant
- ✚ Project Participant : Foosung Tech Corporation Co., Ltd, INEOS FLUOR JAPAN LTD., UPC corporation Ltd.
- ✚ Progress
  - Apr. '03 : Submission of PDD to UNFCCC
  - June '03 : New methodology approved by UNFCCC(AM 0001)
  - July '03 : Approved by Japan government
  - Jan '04 : Installation of decomposition facility
  - July '04 : Approved by Korean government
  - Aug. '04 : Final validation report
  - Feb. '05 : Registration after revision through public input
  - Verification report
  - Approval of CER and sale

# N2O Emission Reduction Project in Onsan

- ✚ Title : N2O Emission Reduction in Onsan
- ✚ Location : Onsan in Korea
- ✚ Outline of project activity
  - Thermal and catalytic decomposition of N2O, byproduct from the manufacture process of adipic acid
- ✚ Project Participant
  - Rhodia Polyamide Intermediates SAS
  - Rhodia Energy SAS
  - Rhodia Polyamide Co.Ltd

## CH4 recovery and use in Korea

- ✚ No. of Landfill over 1million m3 : 31
- ✚ No. of Landfill with gas power plant : 13
- ✚ Management Condition of landfill
- ✚ CDM for Small scaled Landfill

# *Thank you*

- *CDM Investor Forum in Seoul to be on the 30<sup>th</sup> of November*
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