5th Workshop on GHG Inventories in Asia Region

Institutional Arrangements For Inventory System in Korea

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Chapter .1



Legal Institution for NI

Organizational Institution for NI

Others

Overview of development on UNFCCC in Korea

06 Establishing the Council for GHG Inventory **Establishing Energy Fundamental Law**

Expanding An Inter-Ministerial Committee on UNFCCC Earth Negotiations

Prime Minister Instructions

Establishing an Inter-Ministerial Committee 1.998 on UNFCCC

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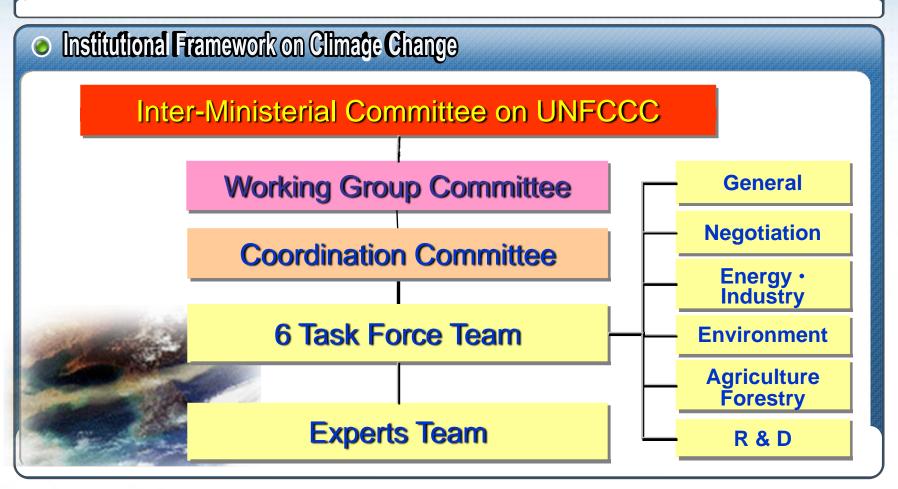
Korea Joined the UNFCCC

inport of COP 11 and COP MOR-

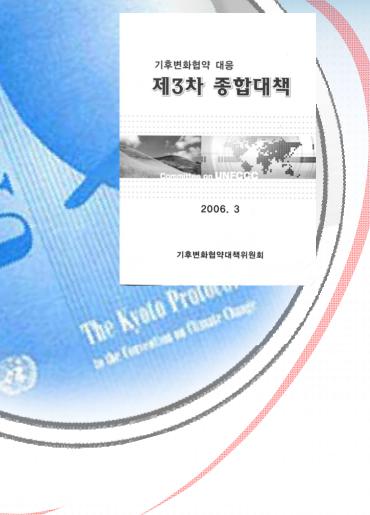
Inter-Ministerial Committee on UNFCCC

• The Decision-Making Organization on Climate Change in Korea

 Implementation of the Comprehensive Action Plan for UNFCCC



The 3rd Comprehensive Action Plan for Climate Change



 19 ministries working together to facilitate the action plan

- Consisting of 90 Projects
 - in 3 major fields(2005 2007)
 - The convention implementation projects
 - GHG reduction projects
 - Climate change adaptation projects





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Overview *Legal Institution for NI* Organizational Institution for NI

Others



Article 9

"National GHG emissions statistics is estimated by the designated organization from Inter-Ministerial Committee on Climate Change "



Article 19, Clause 2

"MOCIE can compile the GHG emissions on energy and industrial process annually and announce officially the results of it"

Article 19, Clause 3

"Government can announce the official results of total GHG emissions annually"

※ MOCIE : Ministry of Commerce, Industry and Energy



Article 7, Clause 6

"MOE can develop and manage the GHG emission factors"

X MOE : Ministry of Environment





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Legal Institution for NI

Overview

Organizational Institution For NI Others

Council for GHG Inventory

Purpose

Systematic management of National Inventory

The review of National Inventory

The Member of Council

10 Government agencies

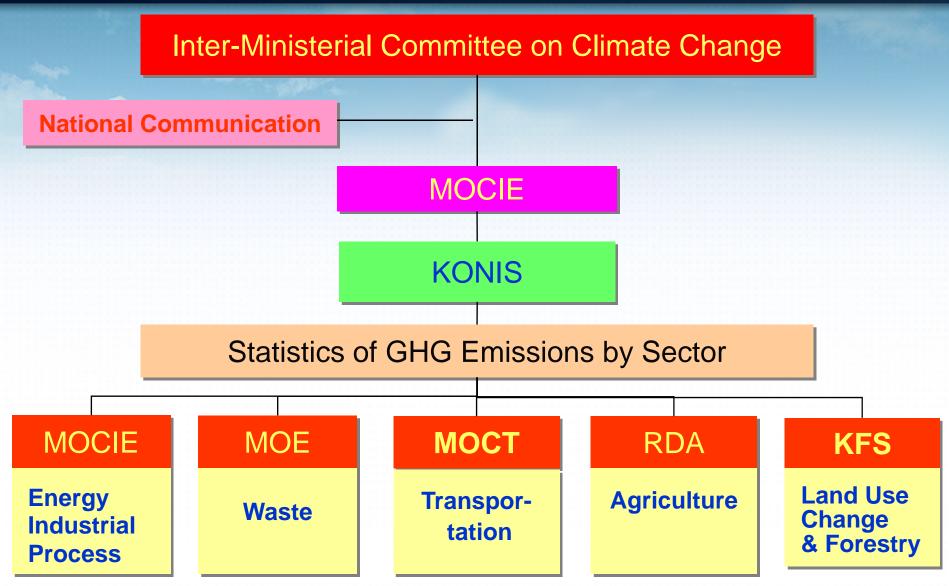
7 research institutes

• The Role of Council

Improvement of the Process and institution on National Inventory

The Strengthening of cooperation within inter-ministries

Council for GHG Inventory



*** MOCT : Ministry of Construction & Transportation**

RDA : Rural Development Administration

KFS : Korea Forest Service



Chapter .4



Overview

Legal Institution for NI

Organizational Institution for NI

Others

Contractor Development of National GHG Emission Factor

Purpose

- Reflection of specific country's conditions
- Reflecting to National Communication upon the approval by the government

The Role of Ministry

- Energy and industrial Process : Ministry of Commerce Industry and Energy
- Waste : Ministry of Environment
- Forests : Korea Forest Service

Development of National GHG Emission Factor

Development Objects of National GHG Emission Factors (2007 : MOCIE)

Category	Source	GHG
Energy Sector	Industrial Boiler/ Utility Boiler	CH ₄ , N ₂ O
	Gas Turbine / Gas Engine	CH_4 , N_2O
	Coal in Fugitive Emission	CH_4
Industrial Process	Production of Cement Production of Lime / Dolomite Lime	CO ₂

💣 National Energy & GHG Database

Purpose

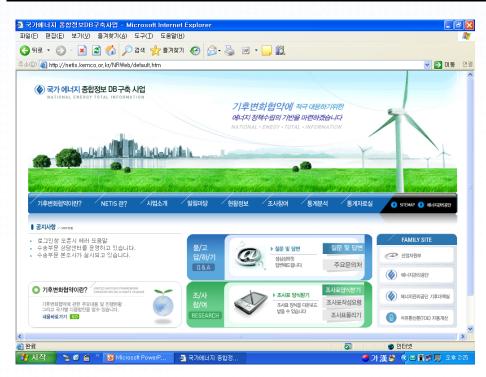
Development of demand side statistics on energy Consumption & GHG emissions

Scope of Database

Year	Category	The number of research
2005	Manufacturing & mining industry	110,000
2006	Household & commerce	Household : 65,000 Commerce : 35,000

💕 National Energy & GHG Database

Year	Category	The number of research
2007	Transportation	Traffic service : 10,000
		Private use : 35,000



http://netis.kemco.or.kr

💕 Greenhouse gas Emission Information System (GEIS)

Purpose

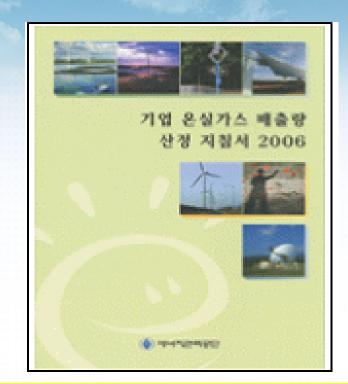
- GHG emissions accounting guideline on company level
- Web program for accounting and Registration of companies GHG emissions based on voluntary

CHC emissions accounting guideline

Concept : GHG Protocol (WRI), ISO14064-1

- Direct emissions : stationary, mobile, industrial process, fugitive emissions
- Indirect emissions : purchases of electricity and steam from other companies
- Methodology : IPCC 1996 guideline
 - Simple method (Tier 1),
 - advanced method (over Tier 2)

Greenhouse gas Emission Information System (GEIS)

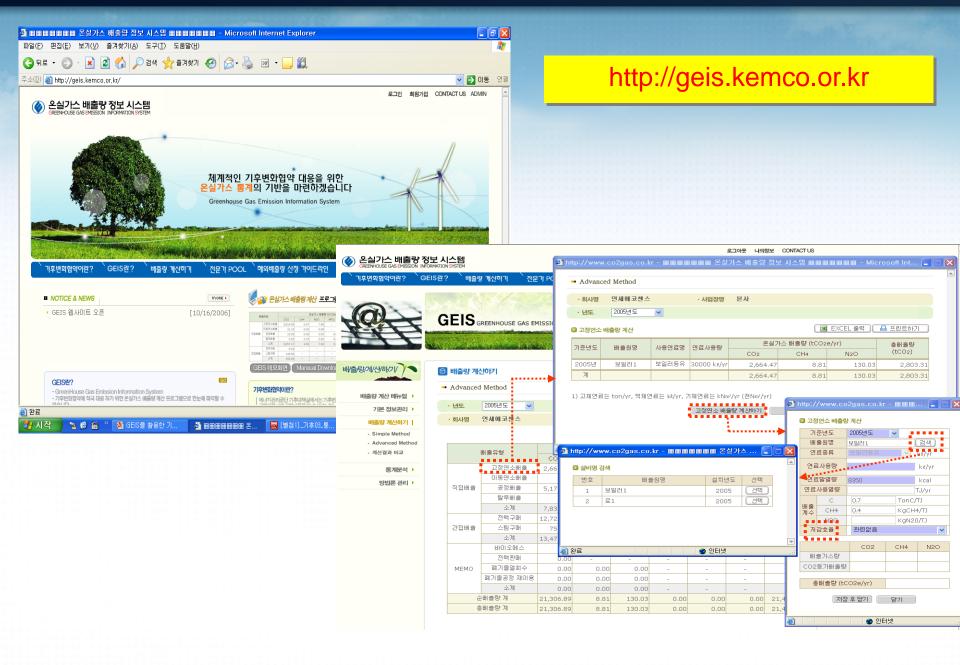




GHG Emission Calculation Guideline

GEIS Windows Program

💕 Greenhouse gas Emission Information System (GEIS)





Thank YOU 감사한니다

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