

Low Carbon, Green Growth in Korea

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**Rinsan Joung, Expert Commissioner
Presidential Committee on Green Growth
Republic of Korea**

1. Background of Green Growth

2. Policy Directions of Green Growth

3. Progress of 3rd National Communication

Why Korea needs green growth?

◆ In Korea 2 times rapid climate change than Global warming

- **Summer Period : 16 days increase**
: Jun. 3 ~ Sep. 21 (1920s) → May. 24 ~ Sep. 27 (1990s)
- **Winter Period : 19 days decrease**
: Nov. 21 ~ Mar. 18 (1920s) → Nov. 29 ~ Mar. 8 (1990s)



◆ Increasing Damages due to disasters

Why Korea needs green growth?

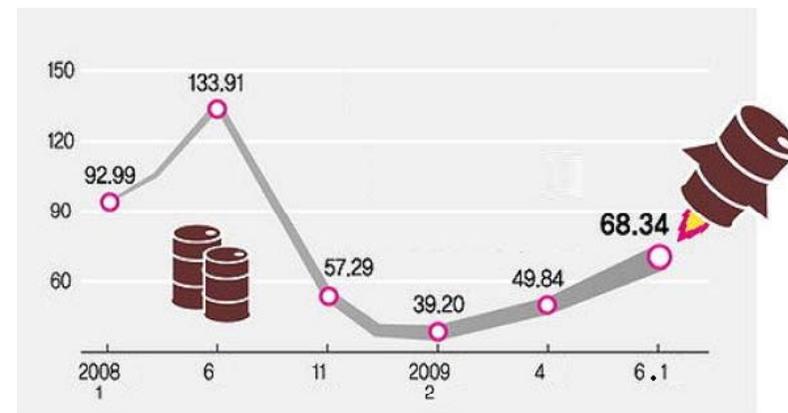
◆ High dependence on energy import

- One of the world's top 10 energy consumers: 97% imported
 - Annual average increase rate : 1.1%

◆ Ranking 9th GHG emission (594 million tCO₂/year'05)

High energy consumption industries

- * 38% of total energy consumption,
80% of energy consumption in manufacturing



Definition of Green Growth

◆ What is green growth?

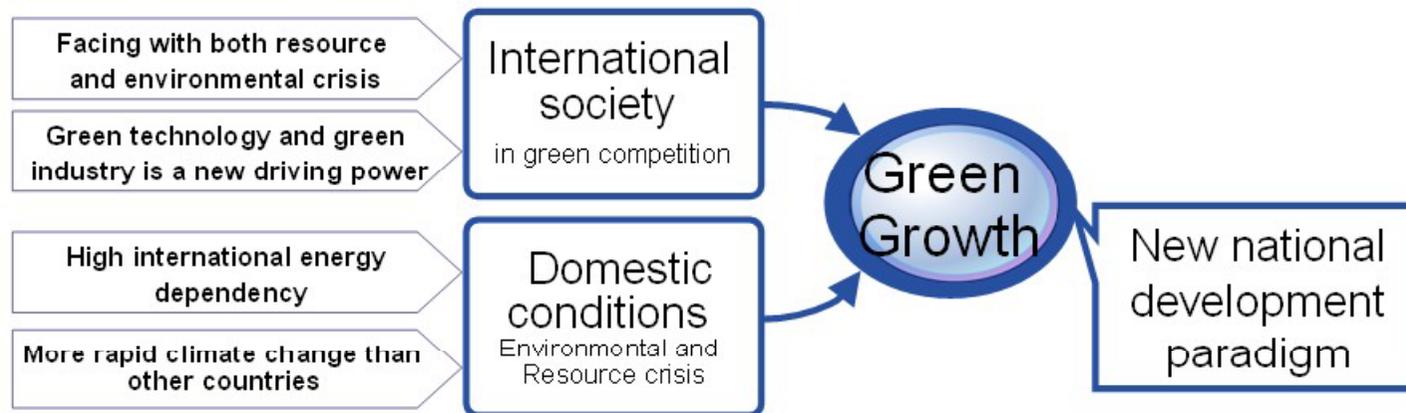
- “sustainable development” that can be defined by the following 3 elements
 - Positive Cycle between Environment and Economy
 - Meet International Climate Change Expectations
 - Improve Quality of Life & Revolutionize Green Living



Strong Political commitment by the President

(2008, independency day's congratulatory address)

- ◆ President LEE committed 'Low Carbon Green Growth through green technology and clean energy as the new national vision for the next 60 years'
- ◆ "Green growth is not a choice, but the only option"



Launching of Presidential Committee on Green Growth

- ◆ established “presidential committee on green growth” as the top-level organization



- ◆ **Legal frame: Basic Act on Low Carbon, Green Growth**
 - Under review in National Assembly since Feb. 2009

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Vision and Strategies



◆ **Vision** : “become a global leading **Green Country**”

3 Strategies

Mitigating Climate Change
and Increasing Energy
Independency

Creating New Growth Engine

Enriching Quality of Life
and Meeting International
Expectations

10 Policy Directions

10 Policy Directions



1. Effective Reduction of Greenhouse Gases

- Society with Carbon Visibility
- Carbon-3R Society (**R**educe-**R**euse-**R**ecycle of Carbon)

2. Reducing Fossil Fuel Consumption and Strengthening Energy Independency

- High Efficiency & Low-Energy Consumption
- New and Renewable Energy
- Nuclear Energy and Energy Resources Development

3. Strengthening Climate Change Adaptation Abilities

- Climate Change Adaptation
- Water Management

10 Policy Directions



4. Developing Green Technology and Green Industry

- Strategic Expansion of Green Technology
- Efficient Green R&D System

5. “Greening” Existing Industries and Fostering New Green Industries

- Resource Circulating Economics and Industry Structures
- “Doing More with Less”
- Green Small-Medium Companies (SMC’s) & Green Cluster

6. Development of Low-Carbon Industrial Structure

- Foster High-Tech Fusion Industries
- Foster High-Value-Added Service Industries

10 Policy Directions



7. Establishment of Supportive Systems for Green Economy

- Building Carbon Market and Green Financial Infrastructure
- Reform in Tax System, Energy Welfare & Create Green Jobs

8. Building Green Land and Green Transportation

- Greening of Personal Living Spaces & Expanding Eco-Friendly Space
- Constructing Green Buildings & Building Green Transportation System

9. Green Revolution in Daily Lives

- Preparing basis for Green Citizen Cultivation
- Creating 'Green Life'
- Building Green Village and Revitalizing Eco-Sightseeing

10. Contributing as a Global Role Model of Green Growth

- Cooperation to Realize Global Green Growth
- Green Growth Role-Model
- Support Developing Countries in Green Growth
- Green Hub Korea

◆ Green Growth Investment Plans

- Estimated that the total of **KRW 107 trillion** for 5 years

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Korea is preparing to submit 3rd NC



- ◆ **As one of the parties of UNFCCC, Korea submitted the 1st and 2nd NC in 1998 and 2002**

- ◆ **We are preparing the NC with the collection of the related information and the in-depth analysis and research**
 - The NC will contain information on national inventories and Baseline of GHG, Policy and measures to mitigate GHG, reflecting the reduction target and sectoral strategy that will be announced this year

What goes around, Comes around

◆ Advertising Poster for an antiwar campaign



What goes around, Comes around



**“Low Carbon goes around,
Green Growth comes around”**

“ Have a nice day! ”