Carbon Footprinting Activities in Korea



Contents

- 1 About KEITI
- 2) Korea Carbon Labeling
- 3 Low-carbon product certification
- 4 International Partnership

I. About KEITI



Vision and mission

VISION

Global Institute leading technology and industry for green growth

MISSION

To foster environmental industry by effective promotion of eco-products purchase and environmental technology development

Foster environmental industry leading technology and industry through Promote green growth which is Environmentally sustainable

Level up to the representative organization Leading global environmental industry

I. About KEITI





Contents

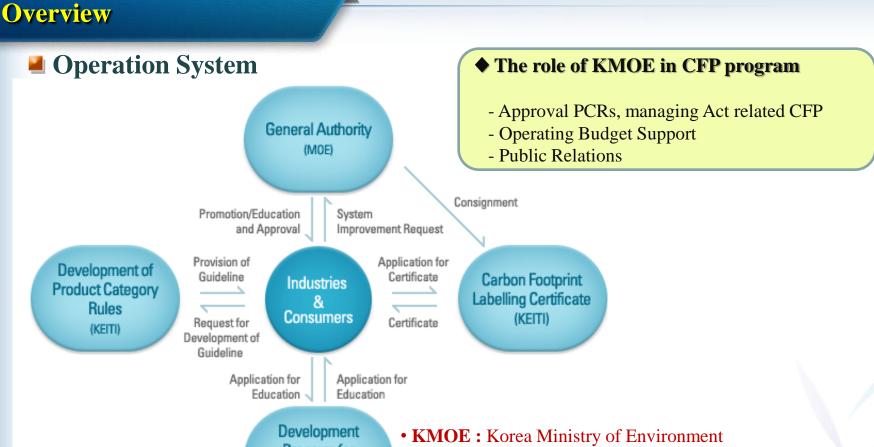
- 1) About KEITI
- 2 Korea Carbon Labeling
- (3) Low-carbon product certification
- 4 International Partnership



Background

- "Low Carbon Green Growth" is the major policies of current government.
 - Carbon labeling is the essential tool for Green Innovation
 of living, 8th policy among 10 policies for
 "Low Carbon Green Growth"
- "Framework act on low carbon green growth" came into effect on April 2010.





Program for Certificate Judges (KEPA)

• **KEITI**: Korea Environmental Industry & Technology institute

• **KEPA**: Korea Environment Preservation Association



Carbon Labeling in Korea

- Level I: Opening information on total carbon emission amount,
- Level II: Greenhouse gas reduction product on a basis criteria
- Legal background of implementation
 - Article 57, Framework act on low carbon green growth
 - Article 18, Environmental technology & environmental industry support act





KOCFP document

- **■** <u>Korea Carbon Footprint Labelling's PCR is called **KOCFP**</u>
- Types of KOCFP
 - Guidelines Set-1 : **for general product categories**(energy-non-using durable product, production product, service)
 - Guidelines Set-2 : **for energy using product** (in use phase of product's life cycle)
 - Guidelines Set-3: detailed use scenario of energy using product



Certification procedure-1

Applicant



Application

KEITI

(Period: 90 days)





Documents Audit

Manufacturing Site Audit

Deliberation on Certification Committee

Notification of Approval

License Holder



Use of Carbon Footprint Label



Certified Products





Certified Products

■ The number of Non-energy-using durable products certificate

- 6 companies, 16 products





Certified Products

The number of Production products and Service certificate

- Production products : 30 companies, 78 products

- Service : 6 companies, 14 Service







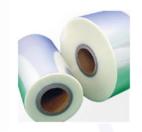








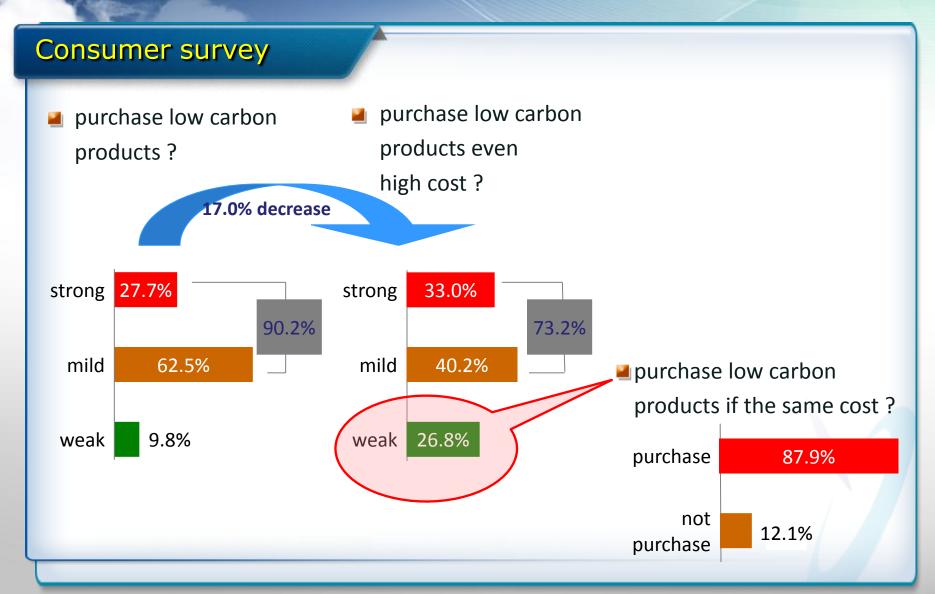














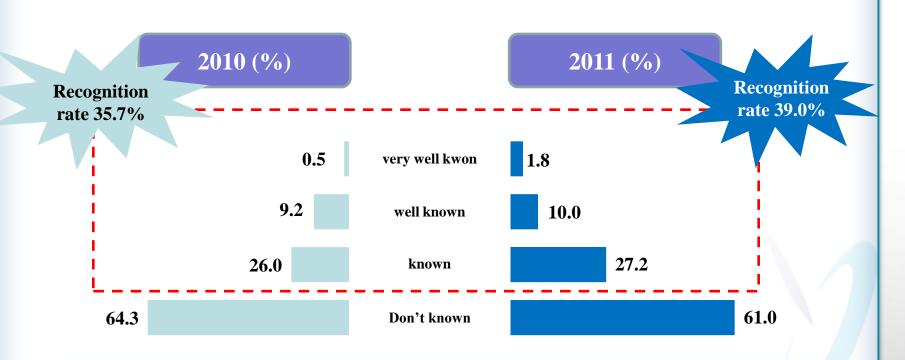
Consumer survey

- **■** From the consumer survey on climate change
 - It become clear that most of consumers recognize the climate change effect.
 - Green consumer group toward low carbon society are getting more and more increasing.
 - → More confident and efficient carbon label is needed in the market.



Consumer survey

■ Recognition rate Improve about CFP program — Improved 3.3%

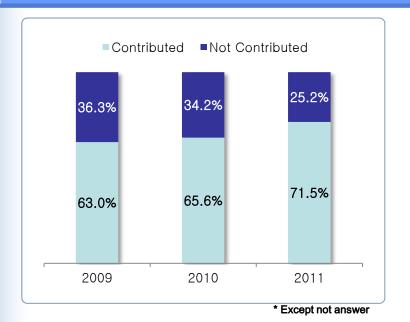




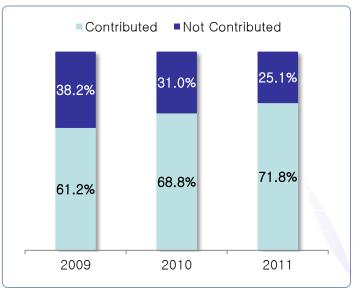
Consumer survey

■ Contribution of carbon labeling for products

Improvement of Product reliability by carbon labeling



Contribution of GHG emission reduction by carbon labeling



^{*} Except not answer

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Context and Necessity

Why low-carbon product certification system is necessary?

- Acceleration of low carbon consumption culture
- Green consumption through carbon emission comparison is difficult.
- There aren't many product to compare product in the same category.

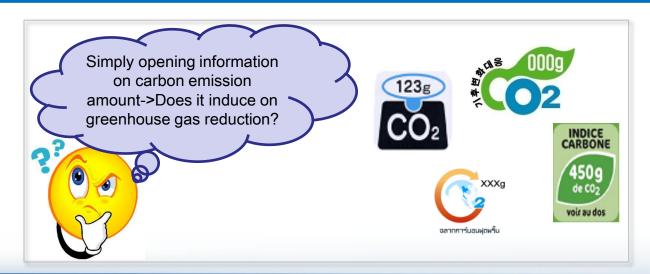




Context and Necessity

Why low-carbon product certification system is necessary?

- Providing incentives on carbon labeling certification product under governmental policy
- It is difficult that incentives on product simply opening information on carbon emission.

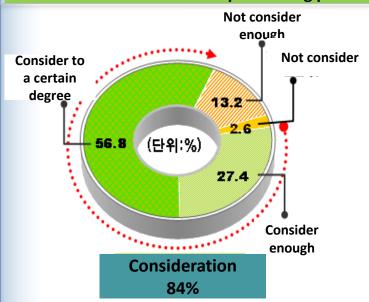




Context and Necessity

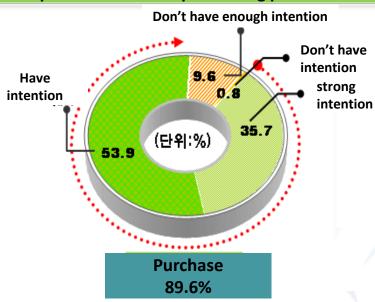
Consumers want to purchase low carbon product

Consideration percent on carbon emission information in case of purchasing product



► If carbon emission amount is presented on product, 84% answered they would consider it.

Prior purchasing intention on low carbon product in case of purchasing products



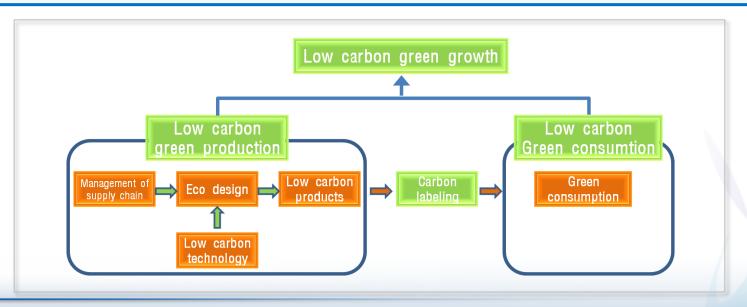
► In case of purchasing product, 89.6% answered they would low carbon product as priority.



Context and Necessity

Why low-carbon product certification system is necessary?

- It accelerates improvement of business's low carbon technology.
- making business's participation expand and speeding up their low carbon product technology through strategic incentive under policy





Adoption Effect

1,000 low carbon products certification, about 1.12 million tons of CO₂ reduction in a year, Same effect to plant 40million of pine trees

Increasing consumer's green consumption convenience

Accelerating low carbon consumption culture and low carbon technology development

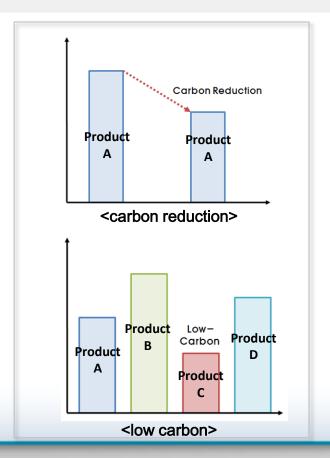
Inducing
businessman's
greenhouse gas
reduction
* Providing
incentives by
reduction.

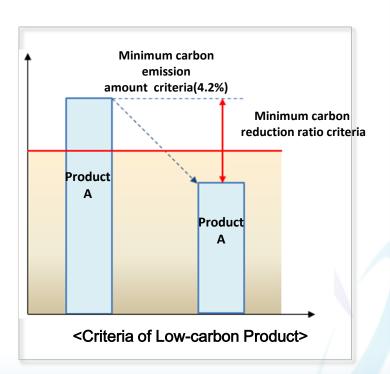
Greenhouse gas reduction in nation



Criteria of Low-carbon Product

• The world first low carbon product certification which considers the concept of carbon reduction and low carbon product has been implemented in Nov. 2011







Low-carbon Products

9 companies, 9 products



bean-curd



TFT-LCD glass



washing machine



refrigerator



cooked rice



tap water



wardrobe



detergent



water purifier



Future Schedule

Certification

Activate Lowcarbon product certification

Certificate more than 50 products in 2012

Incentive system (from the first half of 2012)

Discussion with the interested parties and governments

prior purchase of public organizations

Activation of green card Cooperation with other systems such as greenbuilding system

Give benefit in competitive bidding of government

Contents

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- 3 Low-carbon product certification
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IV. International Partnership



Co-operation with Japan - 1

- **MOU contract between KEITI and JEMAI (June. 2010)**
- **■** Korea-Japan Workshop for CFP and experts meeting (2010.10 / COEX)
- **Korea-Japan Workshop for CFP (2010.10 / COEX)**
- Participate "Japan Eco-products 2010 Symposium" (2010.12)
- **■** Exchange LCI database between the two countries (2010.12)



< **MOU**>



< Workshop>



< Experts meeting>

IV. International Partnership



Co-operation with Japan - 2

- Carbon Footprint International Workshop & Aisa LCA/CFP Database Internal Meeting (2011.2 / JEMAI)
- **■** Korea-Asia Seminar on Carbon Footprint (2011.10 / COEX)
- Korea-Asia Experts Workshop on Carbon Footprint Partnership (2011.10 / COEX)
- **KEITI-JEMAI Expert Meeting (2011.12 / JEMAI)**
- **■** International workshop for CFP(2012.2 / JEMAI, tentative)



< Internal Meeting>



< Seminar >



< Experts Workshop >



Website

http://www.edp.or.kr/index_eng.asp

MENIII

KOREAN



Welcome to EDP Website



Thank you!

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