

# Monitoring & Evaluating Green Public Procurement in the Republic of Korea

Hyunju Lee (hjlee@keiti.re.kr)  
Associate Researcher  
Green Product Promotion Office

- 1. Overview**
- 2. Monitoring GPP**
- 3. Evaluating GPP**
- 4. Key lessons learned**

## Centralized

## Dual System

## Decentralized

- Executed by Korea Public Procurement Service(PPS)
- Through Online E-Procurement System(KONEPS)
- Account for 30 % of total PP

- Managed by Individual State Agencies
- Through the respective procurement system
- Account for 70 % of total PP

**If the purchase is above a certain threshold, it should be dealt with by PPS**

# Overview: History of Green Purchasing Policies

**1992** Korea Eco-Label

**1994** "Act on Development and Support of Environmental Technology"  
: Recommend the Green Public Procurement(GPP)

**2001** Type III eco-labeling program (based on LCA)

**2004** "Act on Encouragement of the Purchase of Green Products"  
: Oblige State Agencies to submit Annual Plan and Performance Records on GPP to MOE

•GPP in place

**2005** •Voluntary Agreement on Green Procurement with the Businesses  
•"ECO-EXPO KOREA"

**2009** "Green Consumption Week"

•Eco-labeling service criteria (eco-friendly hotel)

**2011** •Green Credit Card

•Green Store Partnership with the Distribution Chains

## Act on Encouragement of the Purchase of Green Products (2005)

- **Purpose: prevent wasteful use of resources and environmental pollution, contribute to sustainable development by encouraging green purchasing**
- **No quantitative target is set by the central government**
- **State agencies are obliged by the Act to produce and report to MOE**
  - **Implementation Plan with voluntary GPP targets**
  - **Performance Report with the amount of green product purchased**

# Overview: Coverage of Green Products

- **Certified or Meet the criteria set by the Korea Eco-Label or by the Good Recycled Mark**
- **Meet other environmental standards set by MOE in consultation with the relevant ministries**



## Korea Eco-Label

150 categories including office equipment, construction materials

1,672 companies, 9,799 products  
(As of June, 2013)

Ministry of Environment

<http://www.ecoi.go.kr>

Product groups

Number of Products

Certification Authority

Website

## Good Recycled Mark



16 categories including waste paper, glass

206 companies, 247 products  
(As of June, 2013)

Ministry of Trade, Industry and Energy

<http://www.gr.or.kr>

# Overview: Green Product Groups (example)

## Office Supplies / Equipment



Office Equipment



Label Paper



Document File



Printer Paper



Toner Cartridge



Pen

## Electric / Electronic Goods



TV



Air Conditioner



Video Projector



DVD Player



Computer

## Consumables, etc.



Toilet Paper



Detergent



Sanitizer



Bin Bag



Disposable Container

# Overview: Green Product Groups (example)

## Furniture, Equipment



Office desk



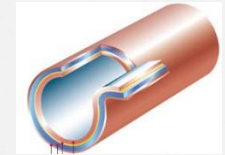
Chair



Cabinet



Water tap



Pipe

## Construction Material



Block



Paint



Glue



Aluminum window frame



Aggregate

## Stationery, furniture



Pencil



Oil-based pen



Ballpoint pen



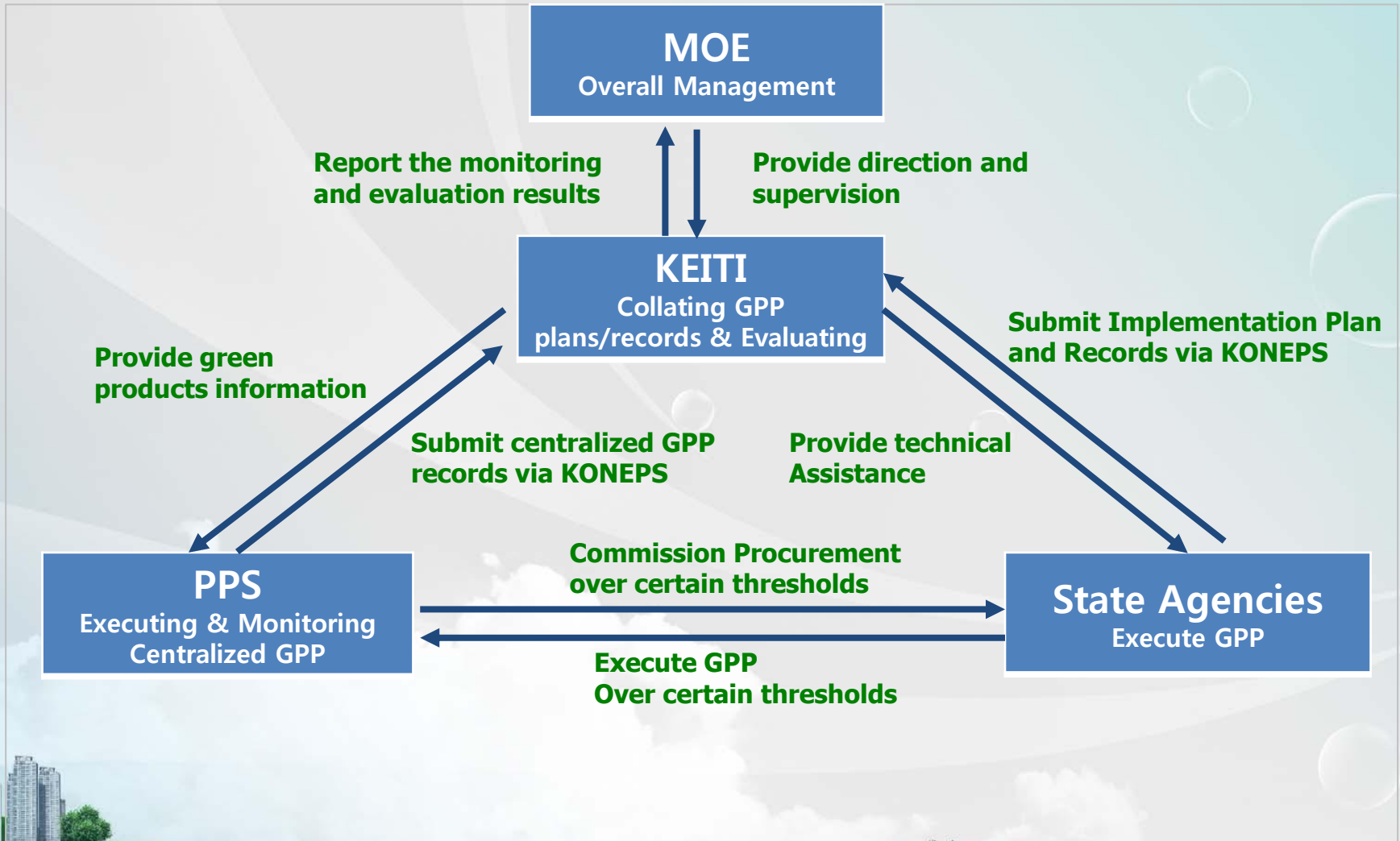
Lab table



School desk



# Monitoring GPP: institutional arrangement



- **Number of Agencies** submitting Implementation Plan and Performance Report

➡ About 864 umbrella org. and 30,000 subsidiary org.

- **Total amount of actual purchases** of green products
  - Measured in both **units and economic value** for products with ecolabel (Korea Eco-label and Good Recycled Mark)
  - **Percentage** of green purchase in relation to the total expenditure in those product groups

# Monitoring GPP: Green Product Information System



- Each institution submits the implementation plan via GPIS
- Performance Records conducted by PPS and individual org. are compiled via GPIS in connection with KONEPS

GPIS([www.greenproduct.go.kr](http://www.greenproduct.go.kr))

▶ 현재문서 내려받기 ▶ 표준양식 내려받기 ▶ 제출 ▶ 구매계획 수정하기 ▶ 작성계획 올리기

분류검색  ▶ 검색

## 2013년 감사원 계획 작성표

(금액단위 : 천원)

친환경상품분류	총구매(A)		친환경구매(B)		비율(% B/A)		
	수량	금액	수량	금액	수량	금액	
<b>합계</b>	6,419	946,066	4,205	758,836	65.5	80.2	
사무기기	복사기	20	72,000	10	30,000	50	41.7
	팩시밀리	20	6,900	16	5,520	80	80
가전제품	세탁기	0	0	0	0	0	0
	식기세척기	0	0	0	0	0	0
	냉장고	0	0	0	0	0	0
	공기청정기	0	0	0	0	0	0
	텔레비전 및 비디오프로젝터	15	9,000	15	9,000	100	100
	음식물쓰레기감량화기	0	0	0	0	0	0
	에어컨디셔너	0	0	0	0	0	0

▶ 현재문서 내려받기 ▶ 표준양식 내려받기 ▶ 구매실적 수정하기 ▶ 제출 ▶ 작성실적 올리기

▶ 연계시스템합산실적 조회 ▶ 조회결과 내려받기 ▶ 분류검색  ▶ 검색

- ① (A): 조달청, 이마켓 등 각 연계시스템을 통해 합산된 내역
- ② (B): "연계시스템 합산실적(A)"에 대한 수정/보완(가감) 내역

## 2012년 감사원 실적 작성표

(단위 : 천원)

친환경상품분류	연계시스템합산실적(A)				실적수정보완(B)				총합계(A+B)			
	총구매		친환경구매		총구매		친환경구매		총구매		친환경구매	
	수량	금액	수량	금액	수량	금액	수량	금액	수량	금액	수량	금액
<b>합계</b>	11,800	1,214,400	6,610	789,780	0	0	0	0	11,800	1,214,400	6,610	789,780
복사기	11	65,000	8	23,360	0	0	0	0	11	65,000	8	23,360
팩시밀리	17	4,476	17	4,476	0	0	0	0	17	4,476	17	4,476
세탁기	0	0	0	0	0	0	0	0	0	0	0	0
식기세척기	0	0	0	0	0	0	0	0	0	0	0	0
냉장고	0	0	0	0	0	0	0	0	0	0	0	0
공기청정기	0	0	0	0	0	0	0	0	0	0	0	0
텔레비전 및 비디오프로젝터	1	2,582	1	2,582	0	0	0	0	1	2,582	1	2,582

# Monitoring GPP: Trends in GPP (in economic value)

Unit: billion KRW



# Evaluating GPP: Environmental, Economic, and Social Benefits of GPP



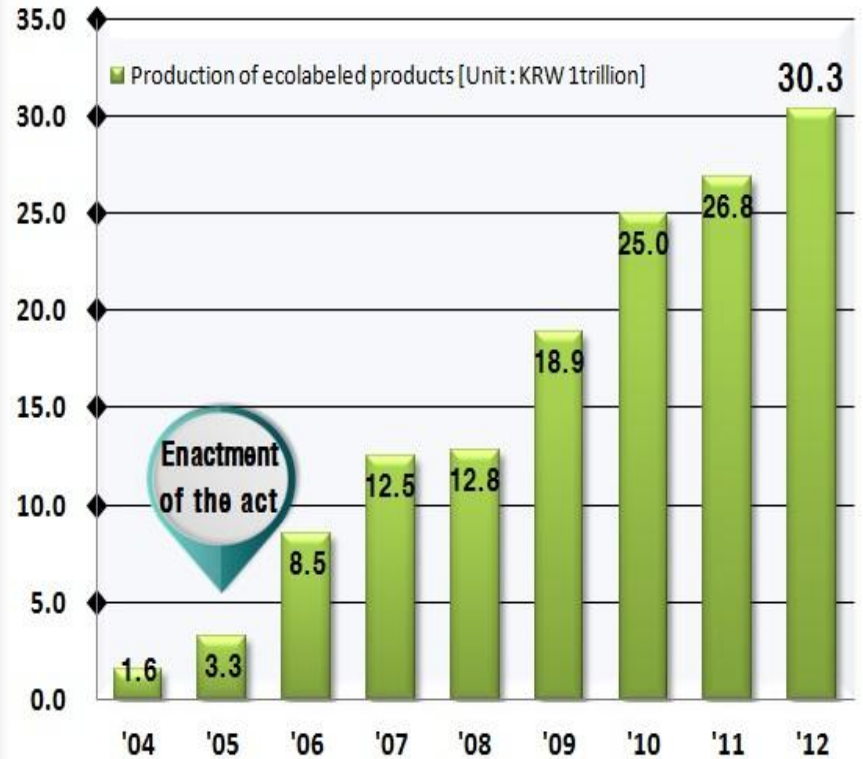
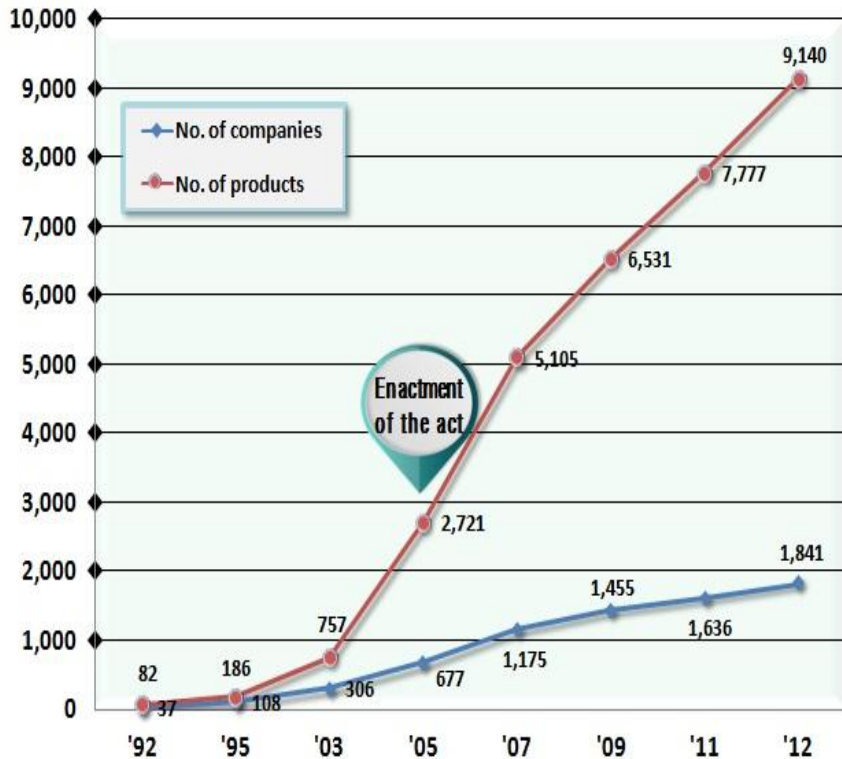
**For the last 8 years, public sector's green procurement in 19 items resulted in 3.71 million tons of CO<sub>2</sub> equivalent emission reduction and 12,143 new jobs**



# Impacts on green production

Since the enactment of the act, the number of manufacturers and certified products have been on a rapid rise

Sales of ecolabeled products have reached USD 30 billion



## Success Factors

- **Combined approach of GPP and EL**
- **E-procurement system in connection with GPIS**
- **Institutional arrangement among key stakeholders**
- **Technical assistance for procurers (e.g. guideline, training)**
- **Financial & reputational incentives**

## Limitations

- **Staff in charge of GPP rarely appointed by each institution**
- **Limited coverage of monitoring until recently**
- **Lack of GPP target at national level**
- **No coordination with other procurement regulations**

- **Stimulate public demand by diversifying the product groups**
- **Introduce progress indicators to communicate the overall progress in GPP by each institution**
- **Coordinate with other existing green and social procurement standards**





# Thank You