

# Achievements and Limitations Faced in implementing 3R

 **Ministry of Environment**

# 1-1. Achievements



Separate collection('92~)



Volume-based waste fee  
- municipal waste(1995~),  
- food waste(2010~)



생산자책임재활용제도  
Extended Producer  
Responsibility(2003~)

## Recycling rate marked **84.8%** in 2015

(household wastes **59.2%**, business wastes **78.2%**, construction wastes **97.6%**)



Food waste :  
Banned from landfills('05~)



Obligatory use of recycled  
aggregates ('05~)

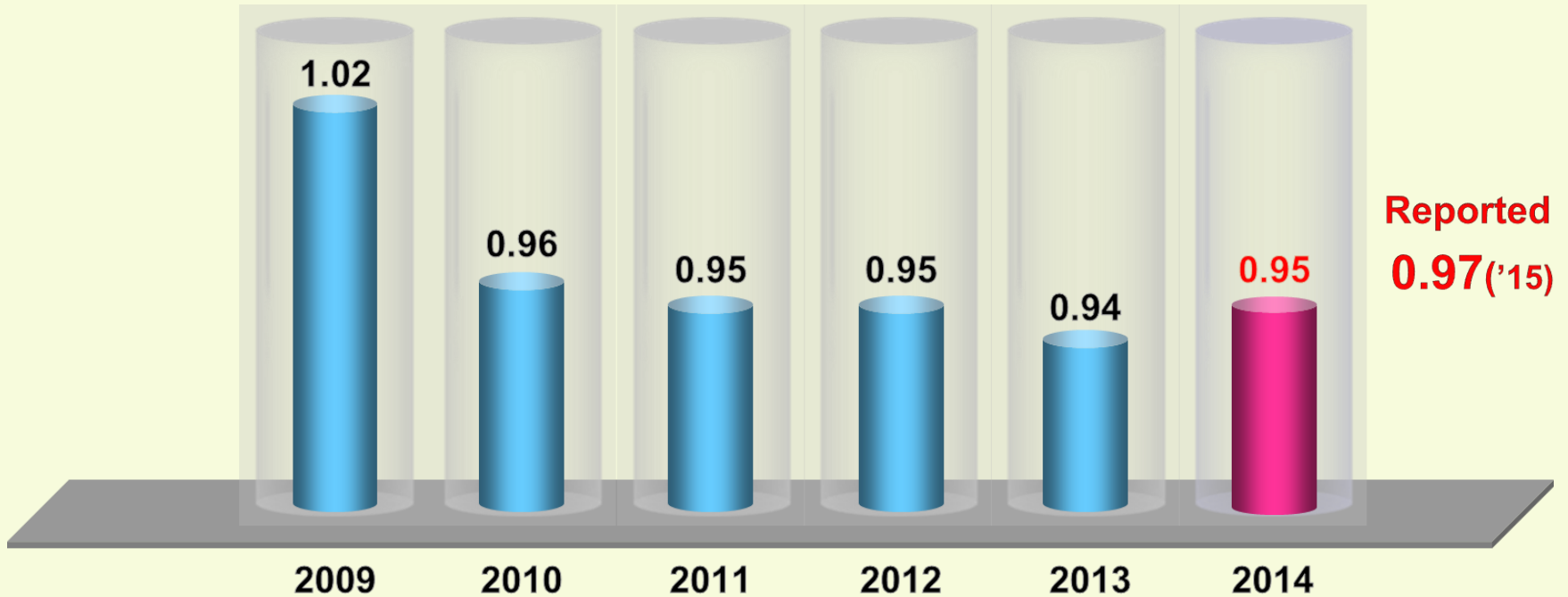


Eco-Assurance  
System(EcoAS)  
For WEEE and  
vehicles  
( '08~)

# 1-2. Achievements

## ● Reduction of domestic waste

- Decreasing trend of domestic waste generation amount (kg/person/day)



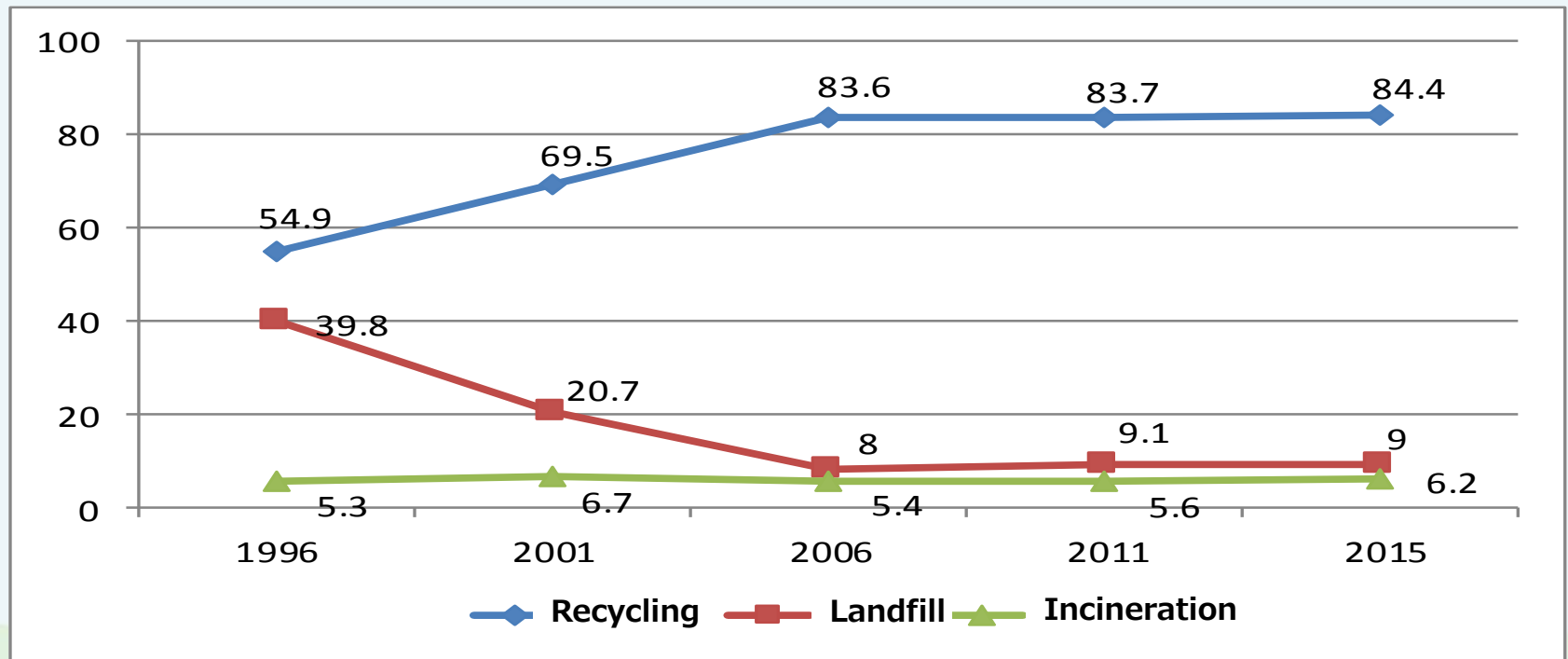
※ Other countries (kg/person/day, '13) : Germany 1.68, England 1.35, Japan 0.96('12)

# 1-3. Achievements

## ● Conversion of waste treatment system (Landfill → Recycle)

- Changing Trend of waste treatment methods (1996 → 2015, %)

Landfill (39.8 → **9.0**), Recycle (54.9 → **84.8**), Incineration (5.3 → **6.2**)





## 2. Limitations

- **Annual waste generation continues to increase.**

- Waste generation **increased 37%** (2005 → 2015)

\* Total amount of waste generated : 111 million tons('05) → 152 million tons('15)

- **15% of wastes from households and business sites still goes to landfill.**

- Social conflicts frequently arise over construction of landfill sites

\* Household waste landfill rate : 15.1%(Korea) / 1.1%(Denmark) (OECD, 2015)

- **More than 50% of the wastes being incinerated or landfilled are in fact recyclable.**

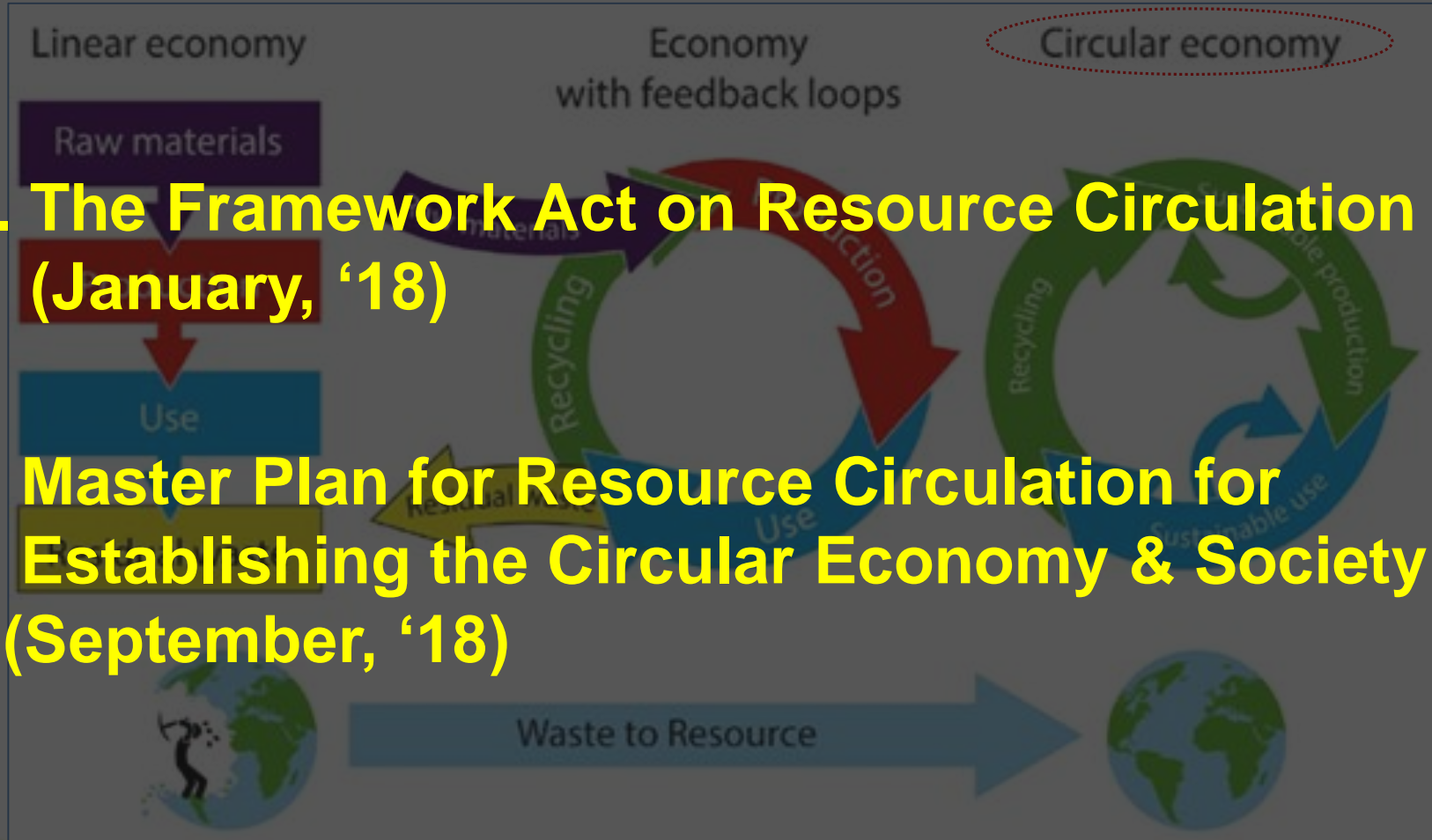
- Raising the need to minimize the incineration and landfilling of recyclable wastes while promoting recycling and energy recovery.



Resource efficiency, Sustainable consumption & production  
Need for new paradigm from the perspective of Sustainability

# 3. Action for Circular Economy in Korea

1. The Framework Act on Resource Circulation (January, '18)
2. Master Plan for Resource Circulation for Establishing the Circular Economy & Society (September, '18)





# **Towards a Circular Economy**