

Our efforts toward a **Low Carbon Sustainable Future** *sharing the experience of the **Republic of Korea***

20th May 2016



Profile of the Republic of Korea



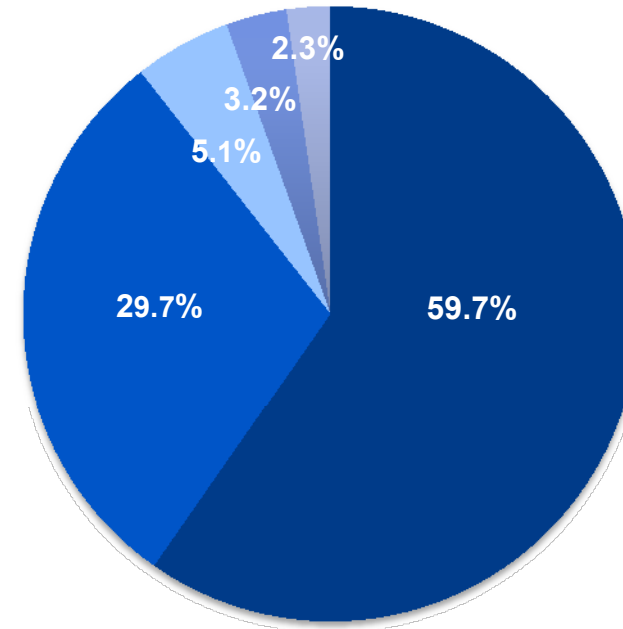
(picture: Ministry of Culture, Sports and Tourism)

- **Total Area : 100,295 km² (ROK)**
- **Population : 50.8 million (current)**
(growth rate : 0.4%)

(source: Statistics Korea)

Economic Structure

- Services
- Manufacturing Industries
- Construction
- Electricity, Gas, Water
- Agriculture, Forestry and Fishing

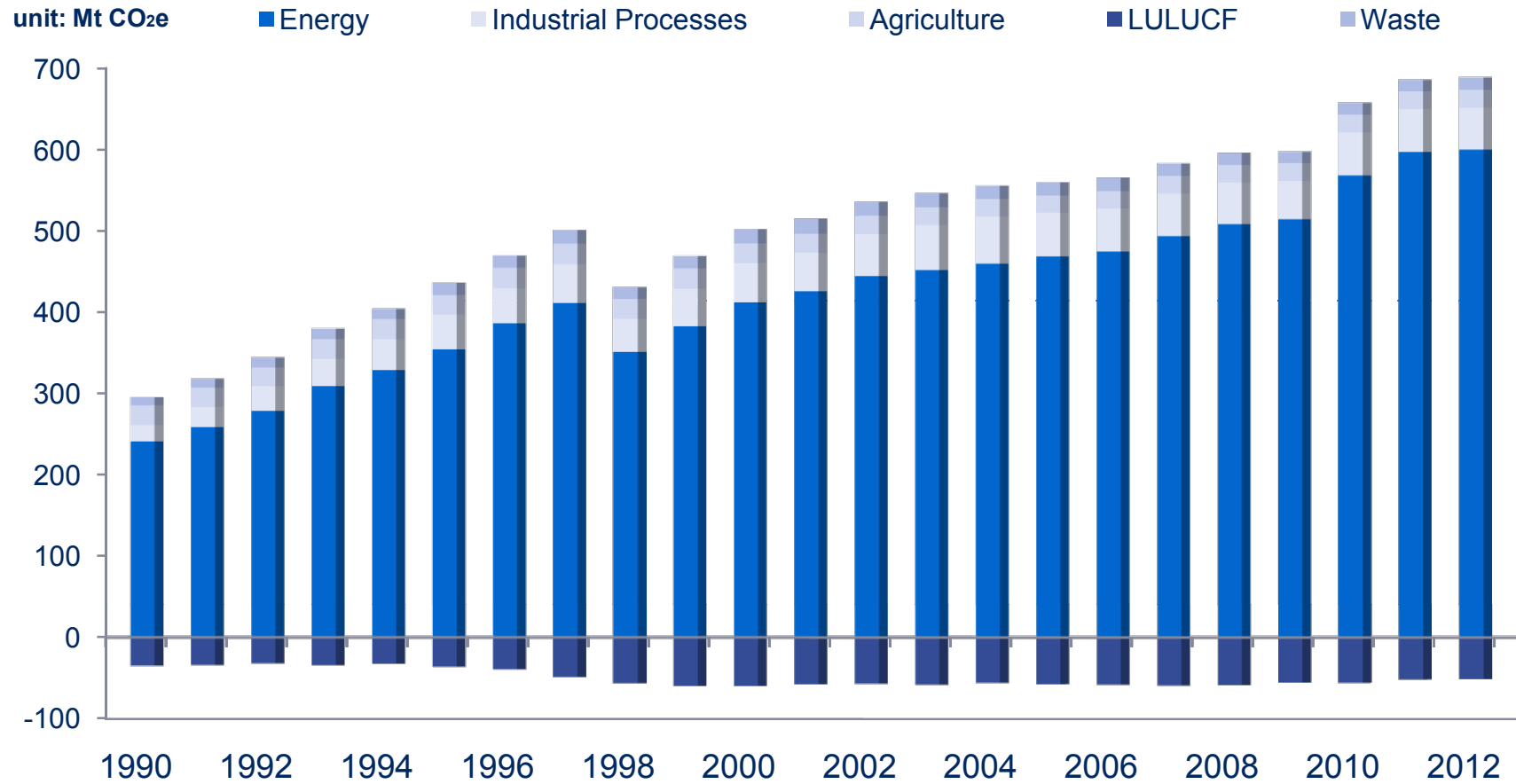


(source: KEEI, 2015)

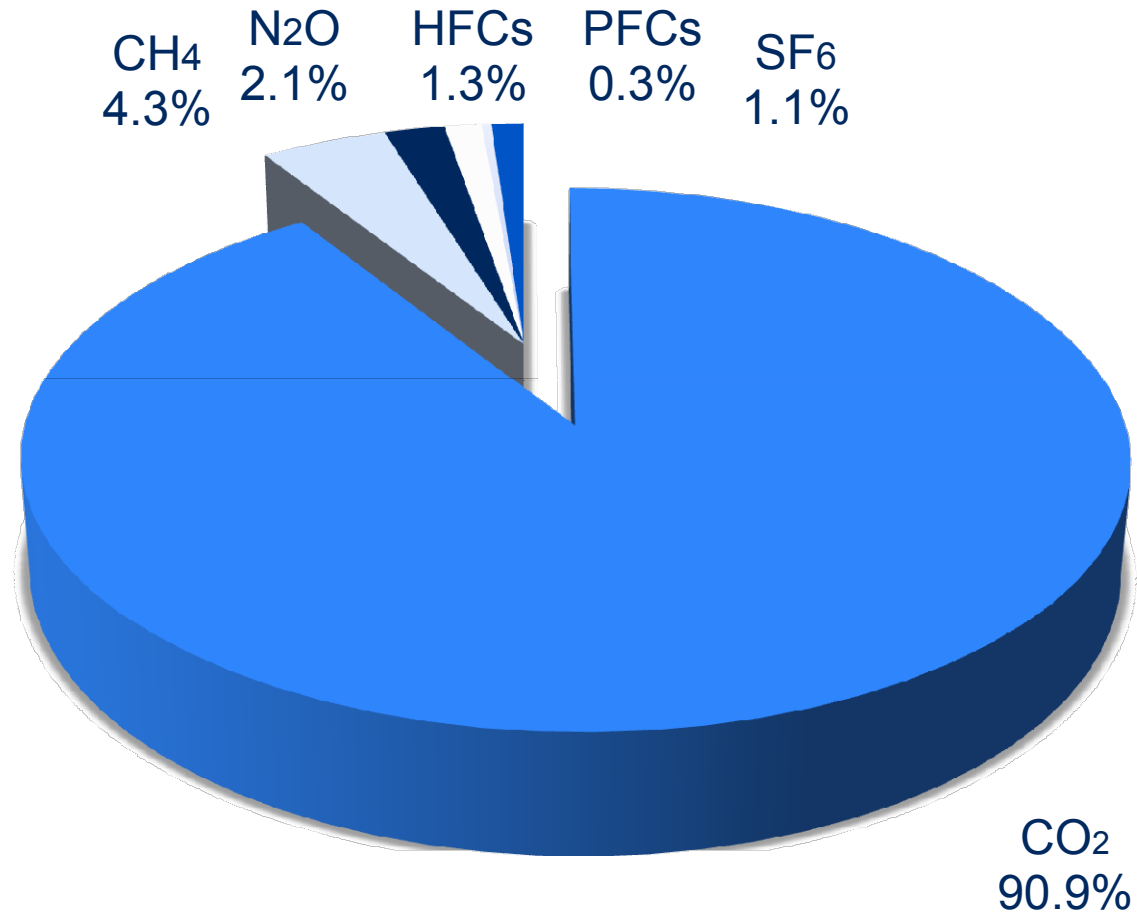
- **Global top 5 in steel production**
- **Global top 4 in petro-chemical production**

**high-level
energy efficiency**

GHG emissions trend



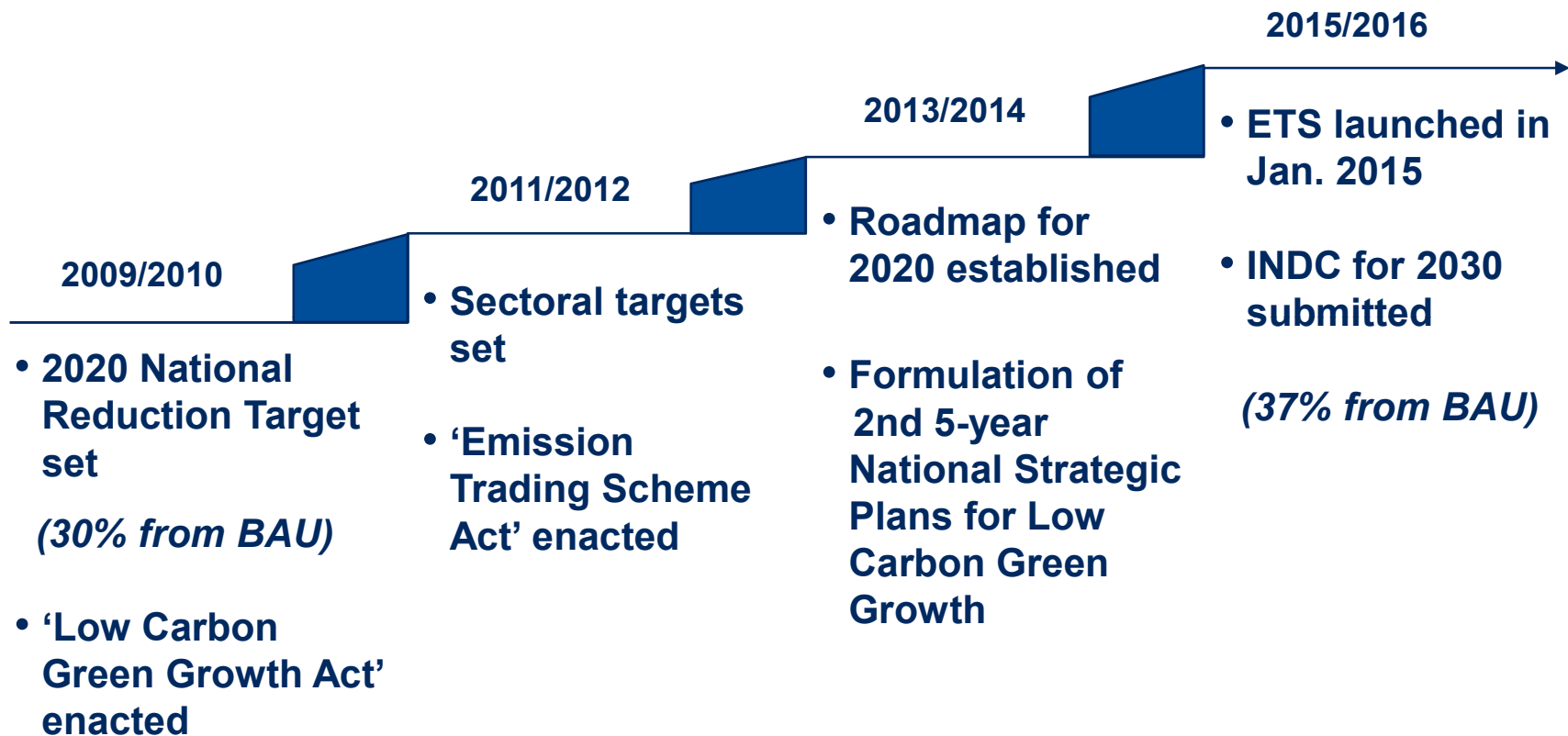
GHG by gas



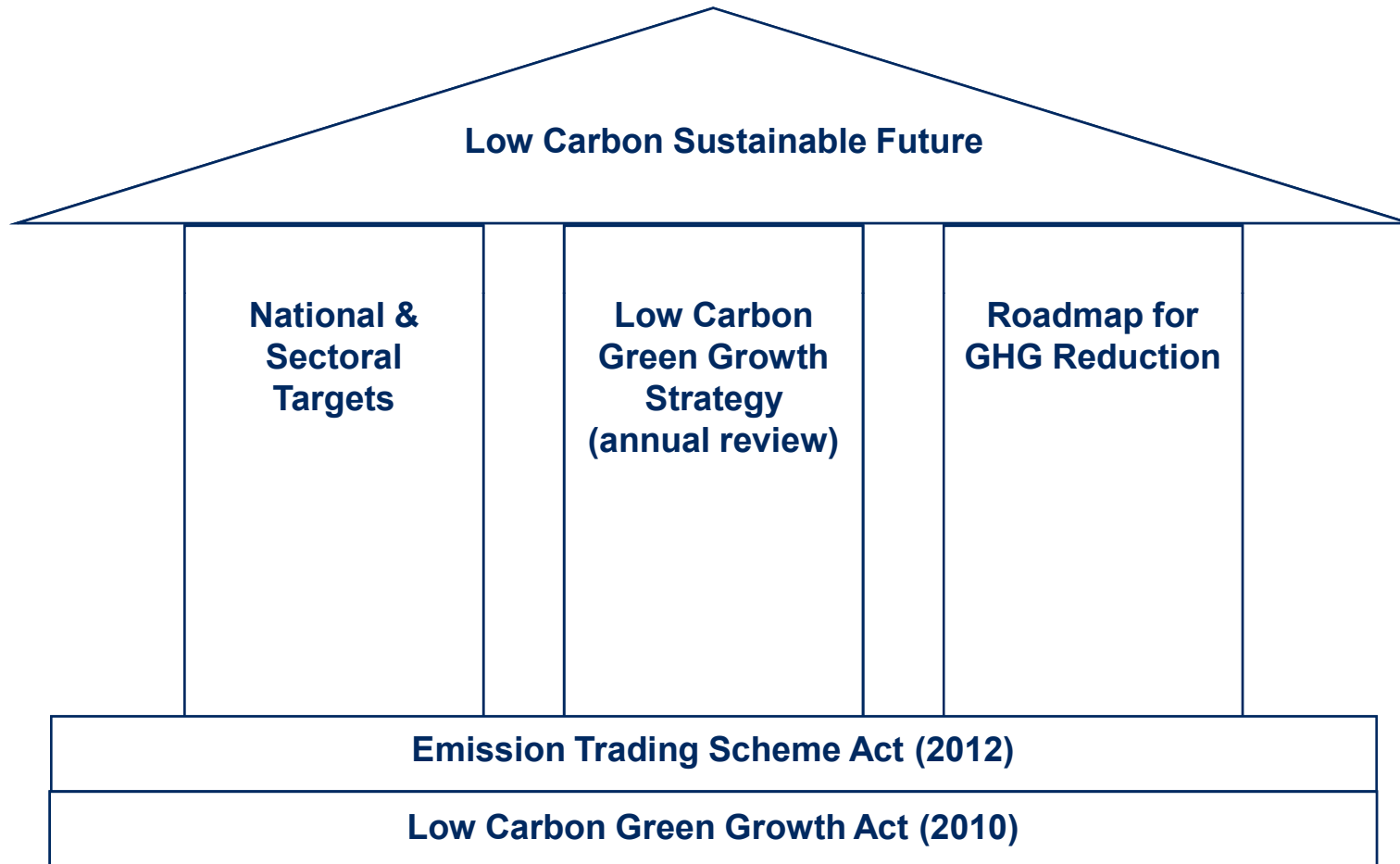
(source: GIR, 2013)

Climate Policy Milestones

■ Sustained progress in climate policy

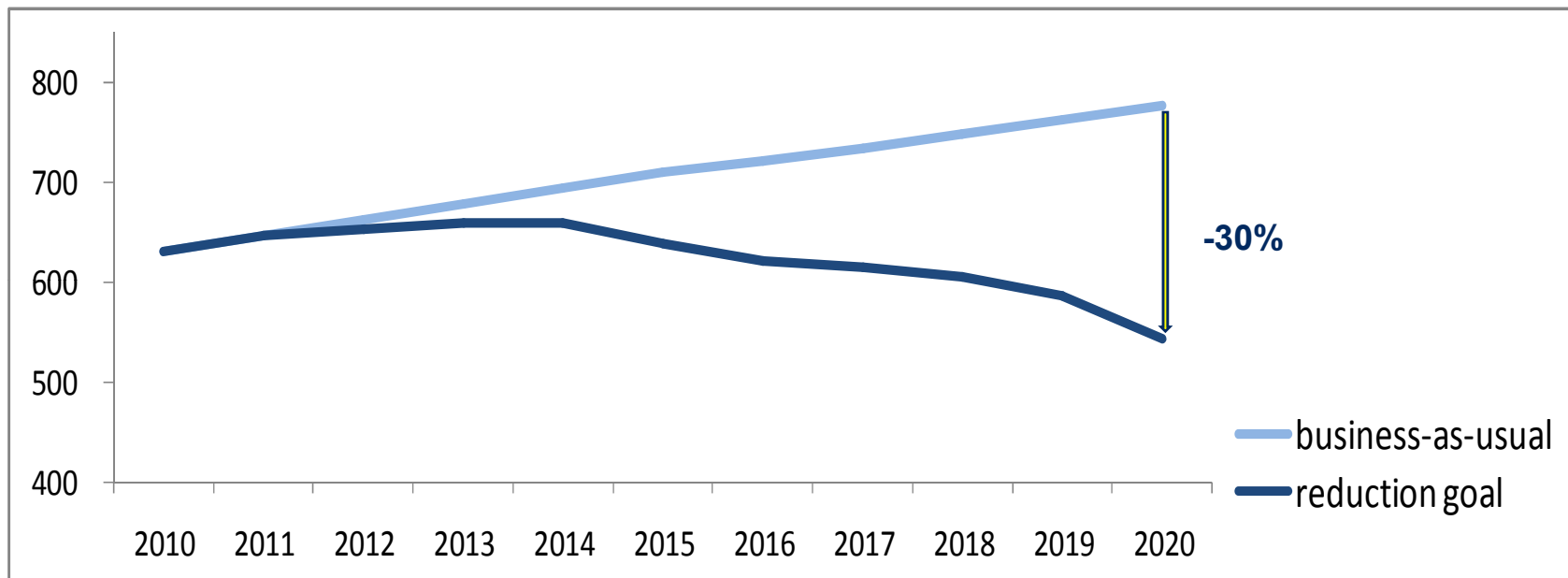


- Climate policy supported by legal instruments and concrete implementation plans



- Find cost-effective mitigation opportunities across sectors

unit: Mt CO_{2e}



Sectoral targets (reduction from BAU)

Industry	Transport	Buildings	Agriculture & Fisheries	Waste	Public	Total
18.2%	34.3%	26.9%	5.2%	12.3%	25.0%	30.0%

■ Economy-wide Climate Policy

(selected key policies)



- Cleaner energy mix with more renewable energy (RPS), energy demand management, CCS



- Emission Trading Scheme, Cleaner fuel switch (LNG), Energy efficiency and recovery program



- Intelligent Transportation System (ITS), Vehicle CO₂ Standard, Clean Vehicles Program



- Building Energy Management System (BEMS)



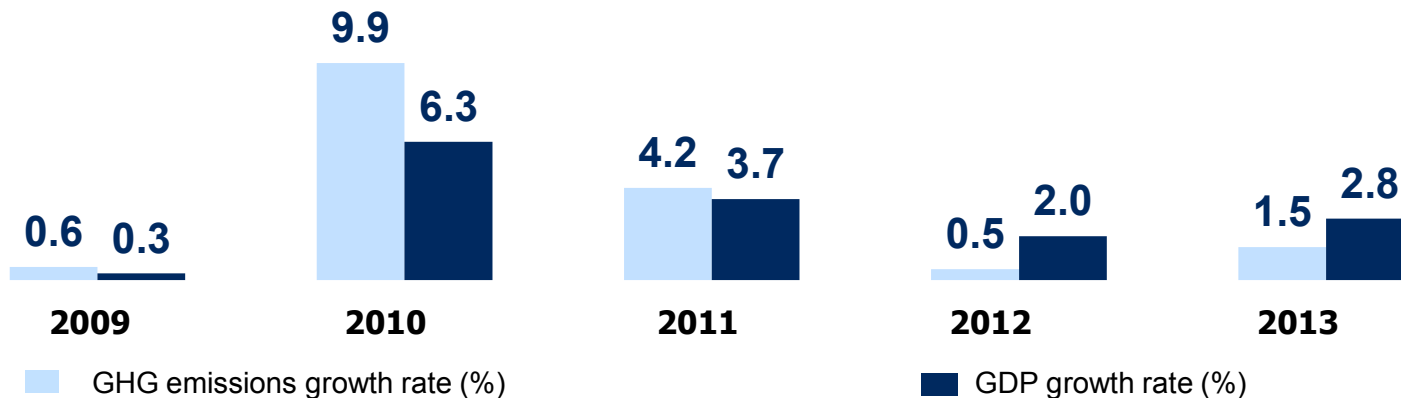
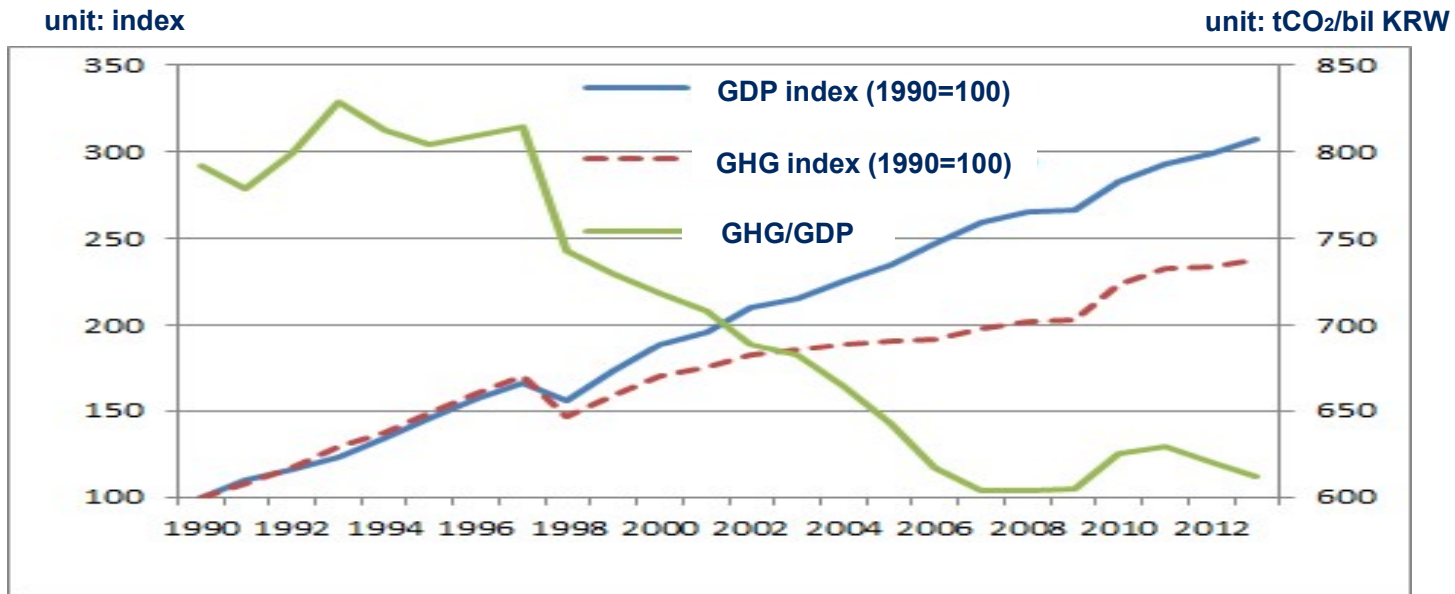
- Animal Waste-to-Energy Program



- Landfill gas recovery, reducing domestic waste

- **Coverage: 68% of the total GHG emissions** (based on 2012 emissions)
- **Participants: 525 business entities** (2015)
- **Current Update:**
 - 2015 - first year of trading
 - Entities are required to surrender their allowances by June 2016
- **Key Findings:**
 - 2015 market performance: Overall Balance in allowances (KAU)
 - A robust MRV system in place (work from 2010 onward)
 - Infrastructure for Korean ETS in good operation

Showing trends of decoupling



Building Collaborative Partnership

- **Climate Partnership – key focus in int’l cooperation**

- **Technical Partnerships**
 - MRV Capacity-building program
 - Technical Support Program on Energy, Agriculture, Forestry, etc.

- **Financial Contributions**
 - Multilateral: \$12.1mil(2010) → \$22.0mil (2013) 81% increase
 - Bilateral: \$133.3mil(2010) → \$185.3mil(2013) 39% increase

- **A good host to GCF and GGGI**

Thank you

Any Questions?

