

**The Republic of Korea's
Intended Nationally
Determined Contribution (INDC)**

Mandate

* **Paragraph 2 (b) of Decision 1/CP19 (Warsaw)**

To invite all Parties ... to communicate them well in advance the twenty-first session of the Conference of the Parties (by the first quarter of 2015 by those Parties ready to do so) in a manner that facilitates the clarity, transparency and understanding of the intended contributions, without prejudice to the legal nature of the contributions.

* **Paragraph 14 of Decision 1/CP20 (Lima)**

Agrees that the information ... in order to facilitate clarity, transparency and understanding, may include ... , and how the Party considers that its intended nationally determined contribution is fair and ambitious, in light of its national circumstances, and how it contributes towards achieving the objectives of the Convention as set out in its Article 2.

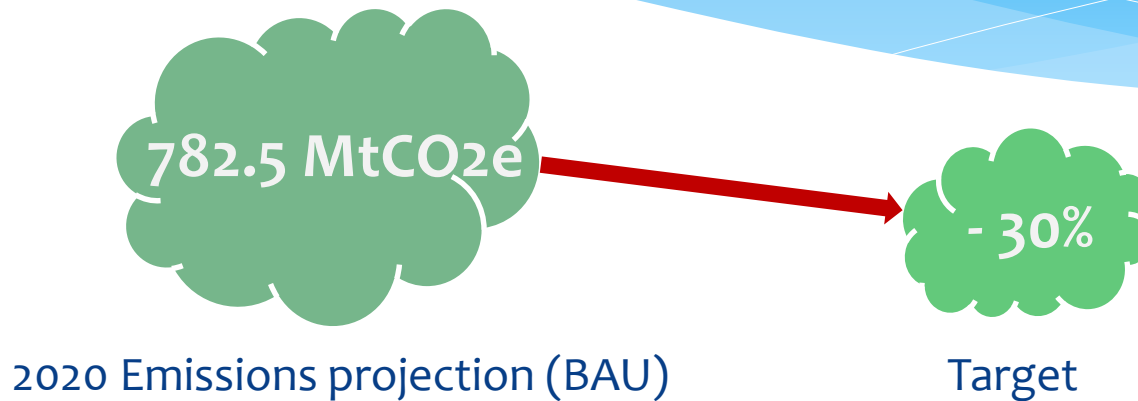
National circumstances

- Key economic variables

	2013	2020	2025	2030	Annual Growth Rate (%)	
					2013 - 2020	2013 - 2030
GDP (Trillion Won)	1,132.9	1,447.0	1,679.1	1,897.8	3.56	3.08
Population (Million)	50.2	51.4	52.0	52.2	0.34	0.23
Total Energy Demand (Million TOE)	284.2 *	332.2	354.1	369.9	2.25	1.56
Share of manufacturing sector / total GDP (%)	32.9	35.0	35.7	36.1	-	-
GHG Emissions (MtCO _{2e})	679.8 *	782.5	809.7	850.6	2.03	1.33

* preliminary

2020 Target and Policies to address climate change



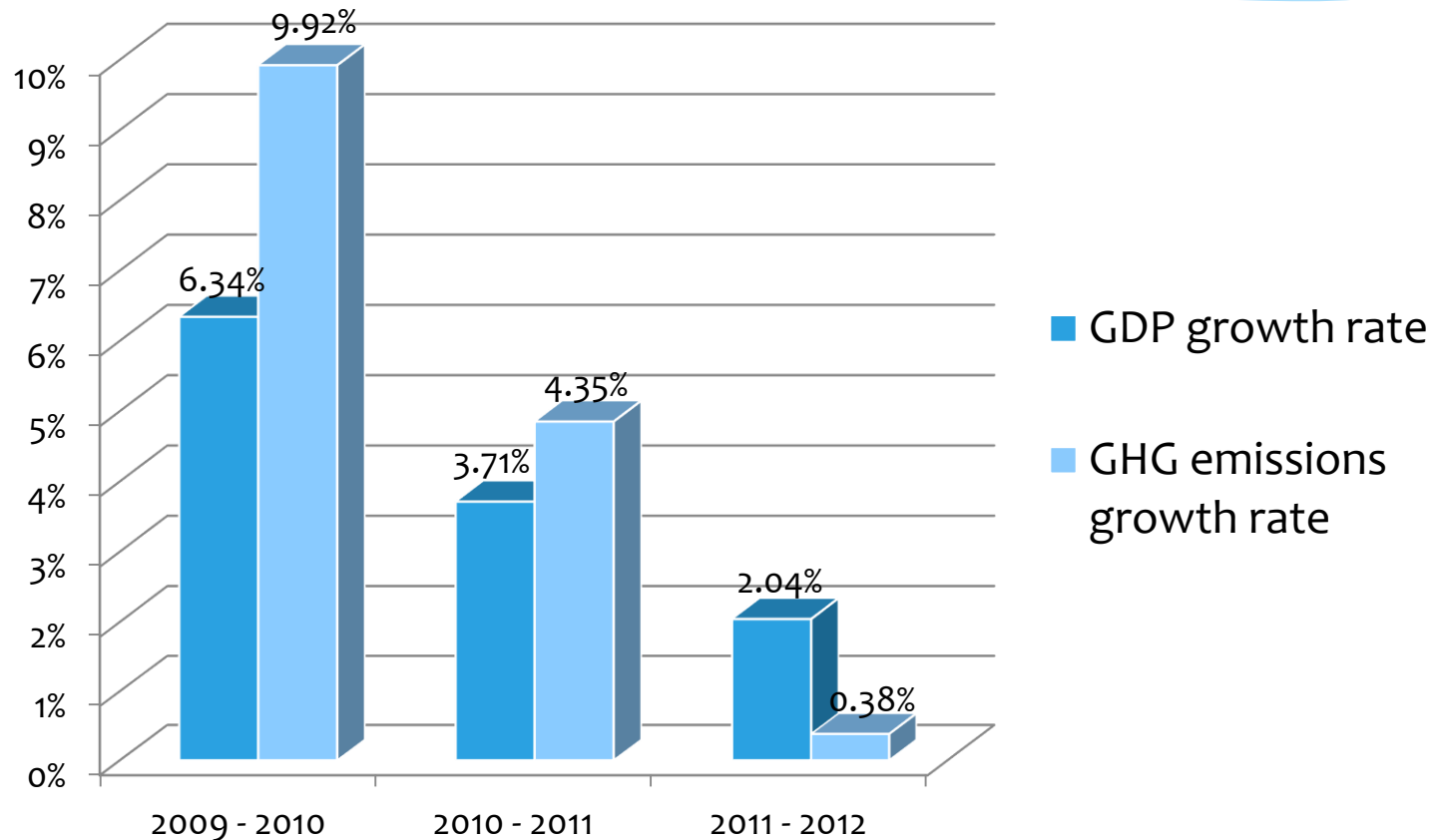
Framework Act on Low Carbon, Green Growth (2011)

GHG and Energy Target Management System (TMS) (2012)

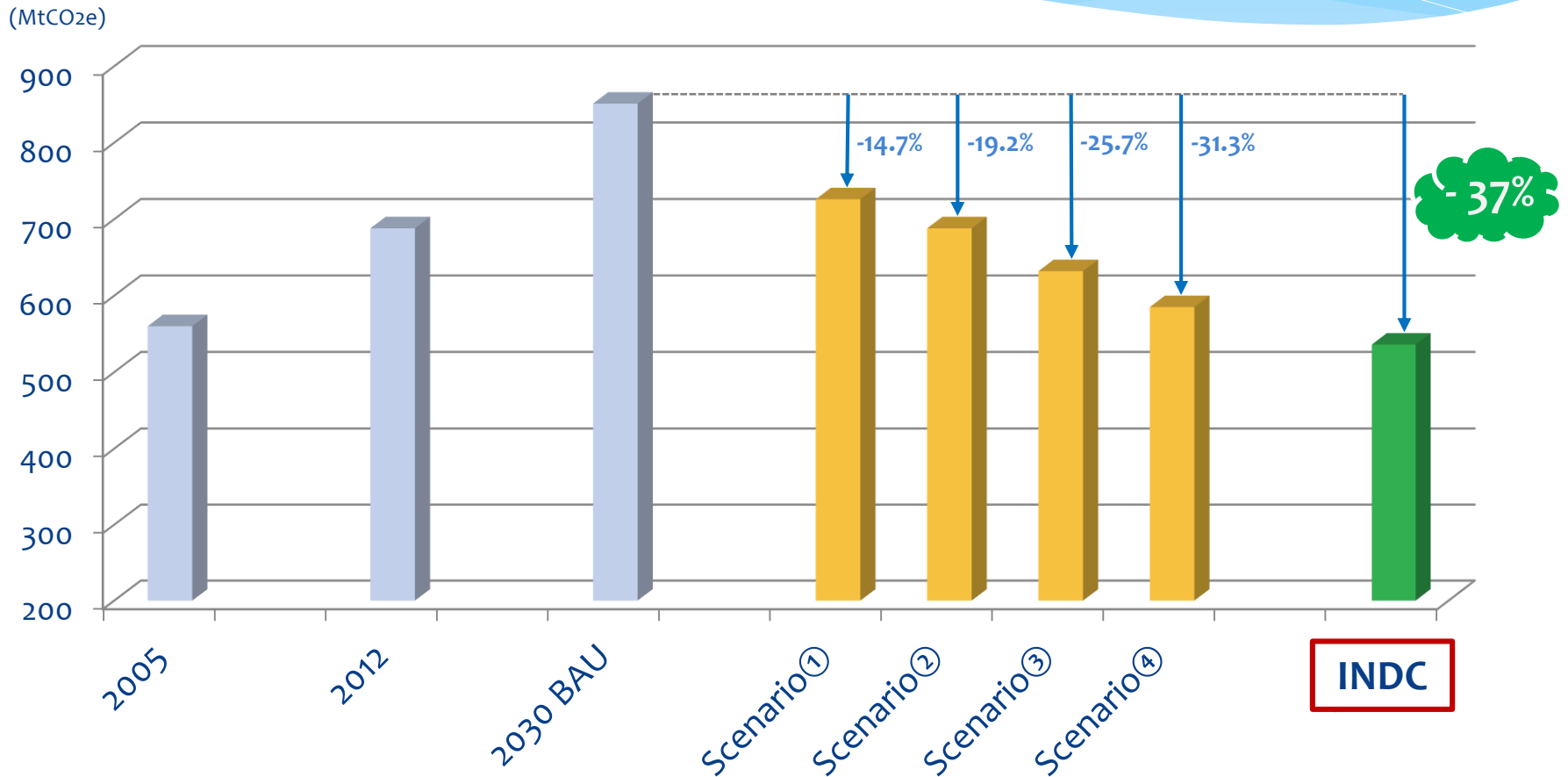
National Greenhouse Gas Emissions Reduction Roadmap (2014)

Emissions Trading Scheme (ETS) (2015)

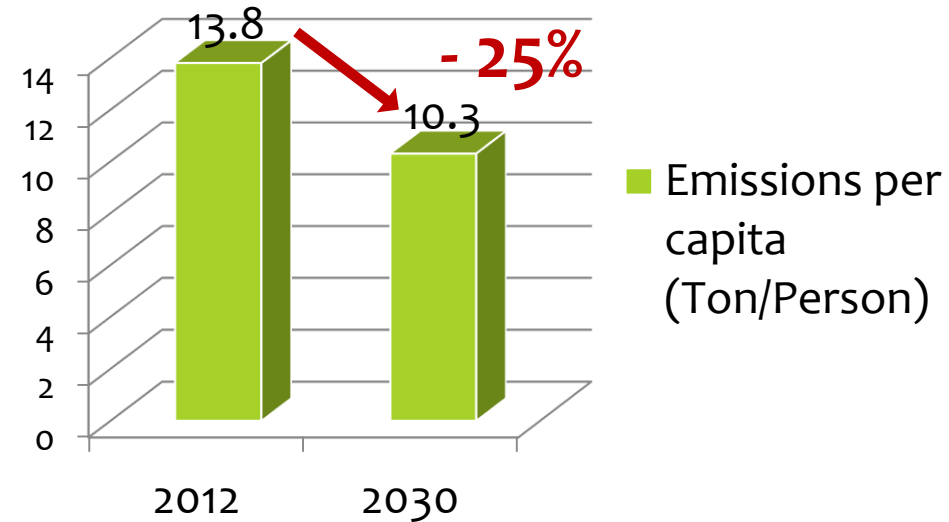
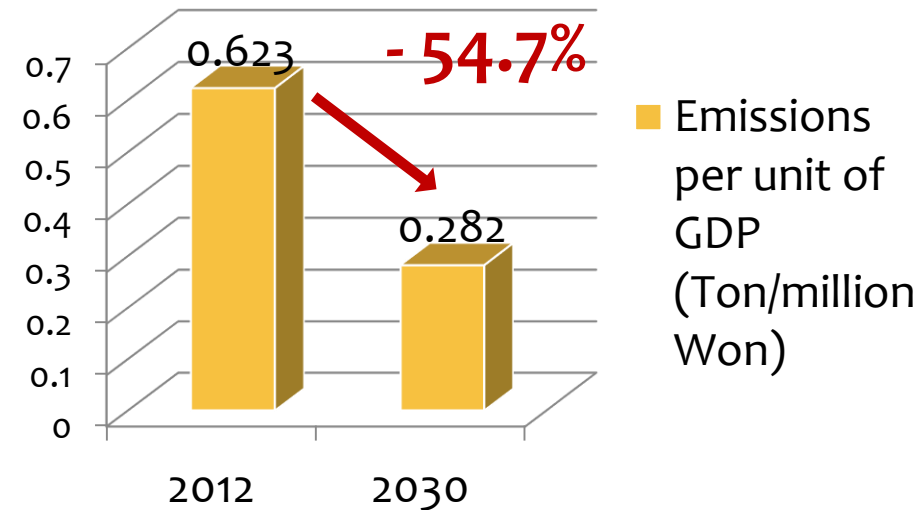
A recent trend of decoupling between economic growth and GHG emissions



2030 Mitigation target

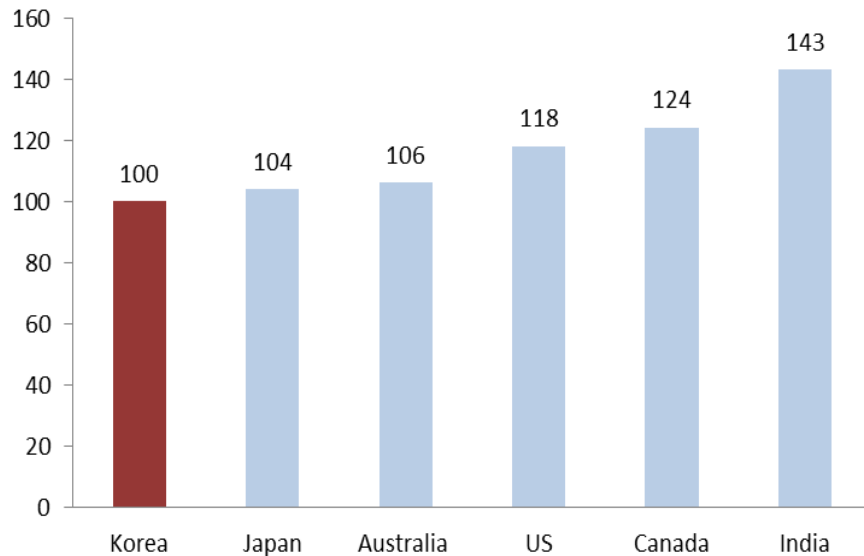


A fair and ambitious target



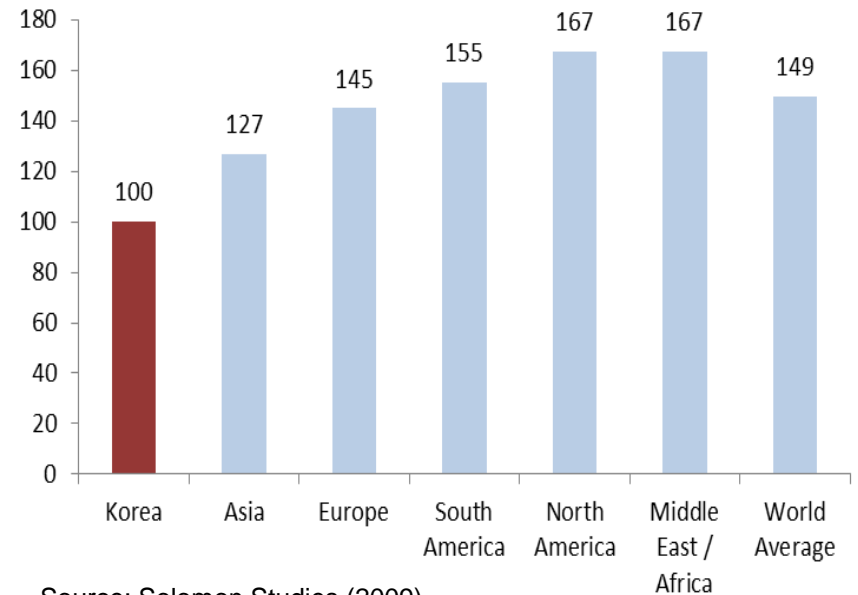
Energy efficiency of Korea's major industries

Energy Efficiency of Steel industry by Country
(Energy Usage Index for Unit Production)



Source: APP Steel T/F (2010)

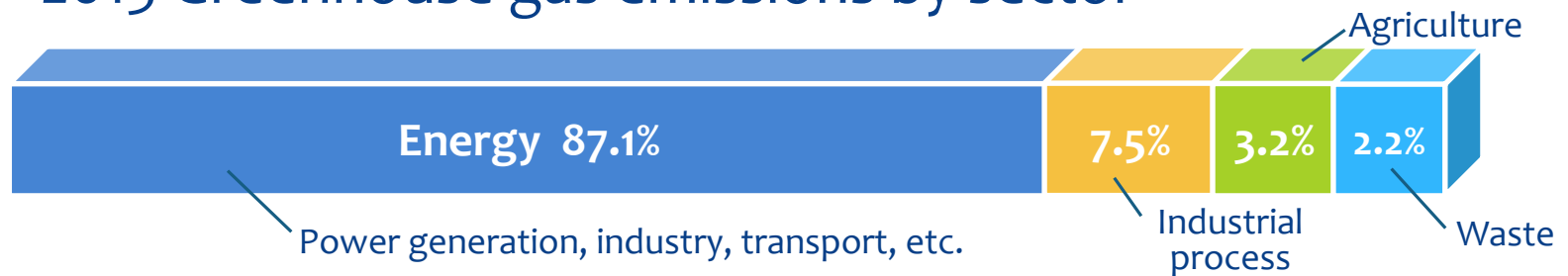
Energy Efficiency of Petrochemical industry by Region
(Energy Usage Index in NCC Process)



Source: Solomon Studies (2009)

Policies and measures to meet the 2030 target

* 2013 Greenhouse gas emissions by sector



Power generation

- Share of renewables 6.2% annual growth
- 3.6% (2014) → 11% (2035)

Industry

- Nation-wide Emissions Trading Scheme (ETS)
- Promoting energy-related new industries + innovation in manufacturing

Policies and measures to meet the 2030 target

Transport

- Strengthening emissions standard for vehicles
- Intelligent Transport System (ITS)

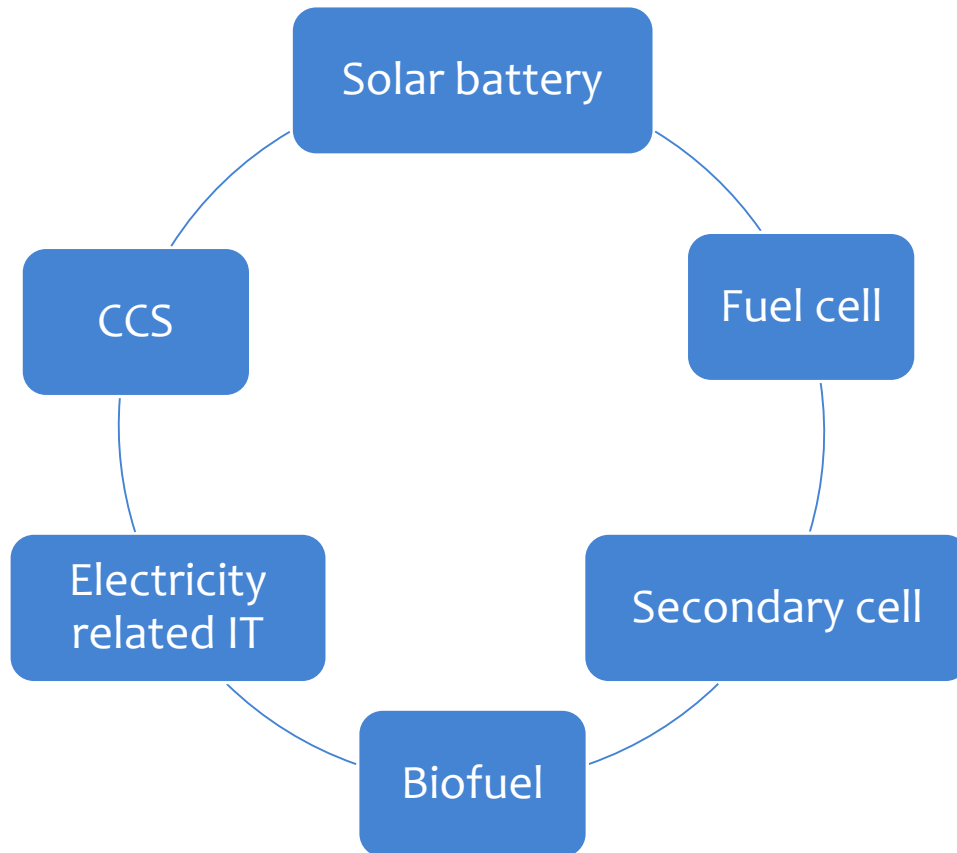
Building

- Promoting Green Remodeling
- Energy-efficient appliances

Agriculture

- Supporting voluntary mitigation efforts
- Certification for low-carbon agricultural products

Investing in mitigation technologies and R&D



- * Strategy and Action Plan for development of core technologies : 6 areas of concentration

Use of carbon credits under market mechanisms

Enhanced Clean Development Mechanism (CDM)

Inter-Korean cooperation projects

Mitigation actions of non-state actors

And other international cooperation


Climate change adaptation efforts

2011-2015

- 1st National Climate Change Adaptation Plan (2010)

2016-2020

- 2nd National Climate Change Adaptation Plan (2015)



*“ Addressing climate change is not a burden,
but a fresh opportunity to create
future drivers of growth.”*

- Park Geun-hye, President of the Republic of Korea



Contact points for further questions:

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