

Korea

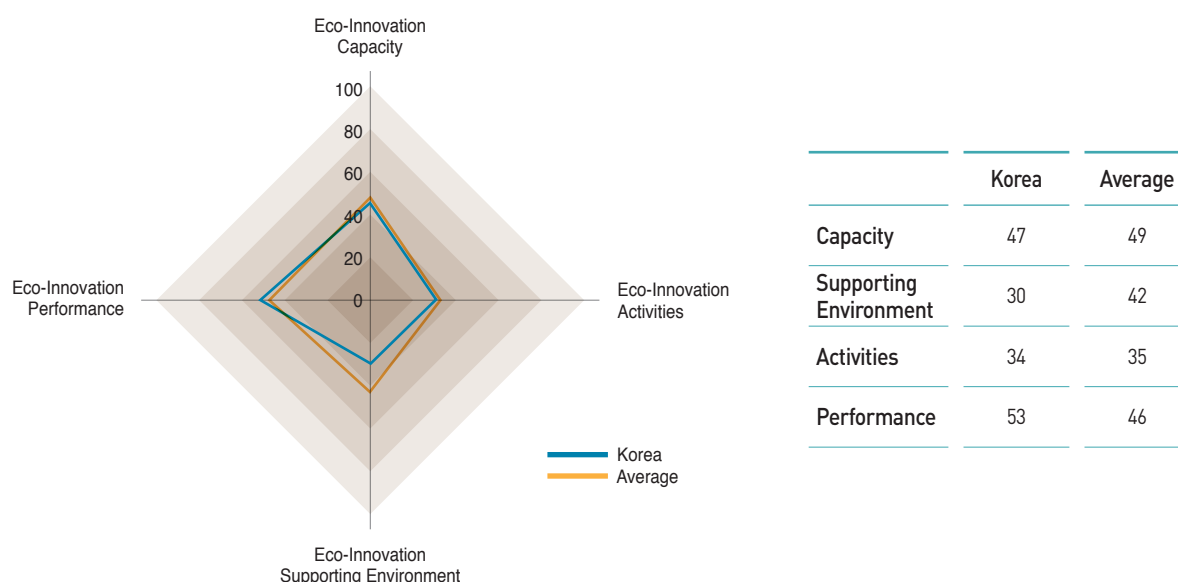


Fig 28. ASEI Result: Korea

Korea's Eco-Innovation Quantitative Analysis

According to the ASEI 2013, Korea's overall score falls into the average level (Korea: 41/100, Average: 43/100) when compared to other twenty four ASEM member countries evaluated by the ASEI.

- ➔ *"Eco-Innovation Capacity" criteria score is average:* Specifically, **Country's General Innovation Capacity** and **Green Technology possessed/acquired Firms** indicator scores show above average figures.
- ➡ *"Eco-Innovation Supporting Environment" criteria score is below average:* most of the indicators included in this criterion score fall into the average level or just below.
- ➔ *"Eco-Innovation Activities" criteria score is average:* **Firms' Participation on Environmental Management System**, **Economic Influence of Leading Environmentally Responsive Firms**, and **Green Patents** indicators show considerably high scores.
- *"Eco-Innovation Performance" criteria scores above average:* **Level of Environmental Impact on Society**, **CO₂ emission intensity**, **Country's Energy Sustainability level**, **Water consumption intensity**, and **Jobs in Green Technology Industry** indicators score outstand the average figure.

Korea's Eco-Innovation Supporting Environment: Qualitative Research

	National Vision & Strategy	National Policy & Programmes	Network, Partnership & Organizations
Eco-Innovation	<ul style="list-style-type: none"> ■ The "Key Green Technology Development and Commercialization Strategies" (2009) 	<ul style="list-style-type: none"> ■ Mandatory energy-efficiency standards and labeling (1992) ■ The high-efficiency appliance certification (1996) ■ Standby electricity reduction programme (1999) ■ Ten-year Basic Plan for the Development and Dissemination of New and Renewable Technologies (released in 2003) ■ GHG&Energy target management system (2010) ■ Carbon point scheme 	<ul style="list-style-type: none"> ■ Signed cooperation of resources MOU between Korea and Greenland ■ The "Seoul Initiative Network on Green Growth" (2005) ■ The Korean Green Industry Complex cluster ■ Local Green Networks ■ The Green Technology Network (GTNET) (2009)
Sustainable Development	<ul style="list-style-type: none"> ■ The Green New Deal (2009-2012) ■ The Five-Year Plan for Green Growth (2009-2013) ■ Green growth strategy (2009-2050) ■ The Long-term Vision for Science and Technological Development to 2025 (1999) ■ National Energy Master Plan (2008) ■ Technologies in the Korean green growth strategy <ul style="list-style-type: none"> - 17 New Growth Engines(PCFV, 2009) - Green Technologies(27)(NSTC, 2009) - Green Energy(15)(MKE, 2009) 	<ul style="list-style-type: none"> ■ The Greening Cities project ■ The EcoRich City Competition ■ Climate Change Adaptation Model City project ■ The Eco-city project and the Low-carbon, Green Village project ■ The National Climate Change Adaptation Master Plan ■ Korea Certified Emissions Reductions (KCERs), 287 projects had generated 5.6 million KCERs (2005) 	<ul style="list-style-type: none"> ■ Asia Low Carbon Cooperation with UNESCAP (Korea Environmental Industry and Technology Institute) ■ East Asia Climate Partnership (2008)
SMEs	<ul style="list-style-type: none"> ■ Foster 1000 green SMEs by the year 2013 ■ SMEs green growth support project by Small and medium Business Corporation(SBC) 	<ul style="list-style-type: none"> ■ Environmental venture funds ■ Eco-Technopia 21 	<ul style="list-style-type: none"> ■ Environmental Technology Business Incubator (ETBI) ■ Green partnership among big companies and SMEs (2012) ■ Korea-China Green Cooperation Forum for Green Industry and Conference for Green Business (2012)

Table 23. Korea's Eco-innovation Supporting Environment Qualitative Research Table

Major Organizations of Eco-Innovation in Korea

- Committee on Green Growth
- Korea Energy Management Corporation (KEMCO)
- Small and medium Business Corporation(SBC)
- Korea Environment Corporation(KECO)

Overall Country Analysis: Key Features of Eco-Innovation in Korea

- National green growth strategy and roadmap have pushed various eco-innovation activities at firm level and has built a firm foundation for various active eco-innovations to be implemented at national level in the future. The initiation of the GHG emission reduction market mechanism expects to trigger a positive move towards the low carbon economy.
- Rapid economic growth since the 1970s based on technology development allowed technology innovation centered policies to take place forming a firm foundation to build capacity focused on technological eco-innovation.
- Korea aims to foster green SMEs and this project is centrally implemented by the Small and medium Business Corporation (SBC).