

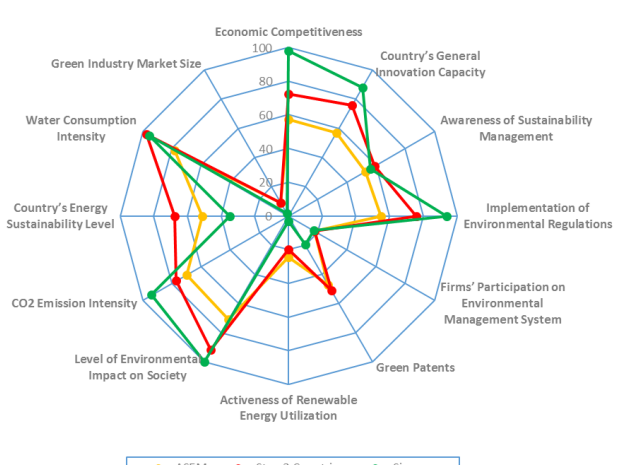


Singapore

	53,224	5,7 million	1:15:84	0.912 Very High	-	-	
Flag	GDP per capita	Population	Industry structure (1st, 2nd, 3rd)	HDI	Sustainable social index	Sustainable env. index	Geographic location

	Score	
ASEI 2015	63.26	
Eco-Innovation Capacity	80.62	
Economic Competitiveness	97.97	
Country's General Innovation Capacity	87.73	
Awareness of Sustainability Management	56.15	
Eco-Innovation Supporting Environment	93.85	
Implementation of Environmental Regulations	93.85	
Eco-Innovation Activities	13.41	
Firms' Participation on Environmental Management System	17.28	
Green Patents	19.73	
Activeness of Renewable Energy Utilization	3.22	
Eco-Innovation Performance	65.18	
Level of Environmental Impact on Society	100.00	
CO ₂ Emission Intensity	93.85	
Country's Energy Sustainability Level	34.75	
Water Consumption Intensity	95.52	
Green Industry Market Size	1.80	



Legend: ASEM (yellow line), Step 3 Countries (red line), Singapore (green line)

- Singapore's eco-innovation capacity, supporting environment and performance are higher than the average score of the same development state countries. However, eco-innovation activity is low.
- Economic Competitiveness (indicator no. 1.1) and CO₂ Emission Intensity (indicator no. 4.2) of Singapore are higher than the average score of the same development state countries.
- Country's Energy Sustainability Level (indicator no. 4.3) is lower than the average score of the same development state countries.

Table 10 Eco-innovation Policy instruments of Singapore

National plan and strategy	Sustainability	■ The Sustainable Singapore Blueprint 2009
	Eco-innovation	■ Maritime Singapore Green Initiative
Programmes and actions	National	■ Green Ship Programme ■ Green Port Programme ■ Green Technology Programme
	International	-
Legislation		■ Environmental Protection and Management Act ■ Hazardous Waste Act (1998)
Finance		■ Innovation for Environmental Sustainability Fund ■ 3R Fund
Information		■ Green Pledge

Eco-innovation policies of Singapore have been developed in line with the national plan of science technologies. Past 20 years, Singapore has successfully entered into a knowledge and innovation economy of the country. Singapore has achieved innovation through R&D investment⁶. GDP of Singapore has increased 3.9 times from 1990 to 2009 and R&D spending accounted for 2.3% of GDP⁷. 20.7% and 68.5% of GDP accounted from secondary and tertiary industry respectively⁸. Singapore have made great advances in service sectors as logistics hub in Asia based on a geopolitically advantageous position even Singapore has weak primary industries. Eco-innovation policies of Singapore has been implemented in line with national development strategy. “Maritime Singapore Green Initiative” was established in the part of trade and distribution sector which is key industries of Singapore. The government of Singapore support implementation of eco-innovation by introducing the “Green Ship”, “Green Port”, “Green Technology”⁹. “Green Ship”¹⁰ and “Green Port”¹¹ are working to reduce the environmental pollution caused by the use of the harbor.

6 A*STAR, 2011, STEP 2015 (8p)

7 A*STAR, 2011, STEP 2015 (2p)

8 MTI, 2012, Economic Survey of Singapore (iip)

9 http://www.mpa.gov.sg/sites/maritime_singapore/msgi/maritime-singapore-green-initiative.page

10 http://www.mpa.gov.sg/sites/maritime_singapore/msgi/green-shipping-programme.page

11 http://www.mpa.gov.sg/sites/maritime_singapore/msgi/green-port-programme.page