

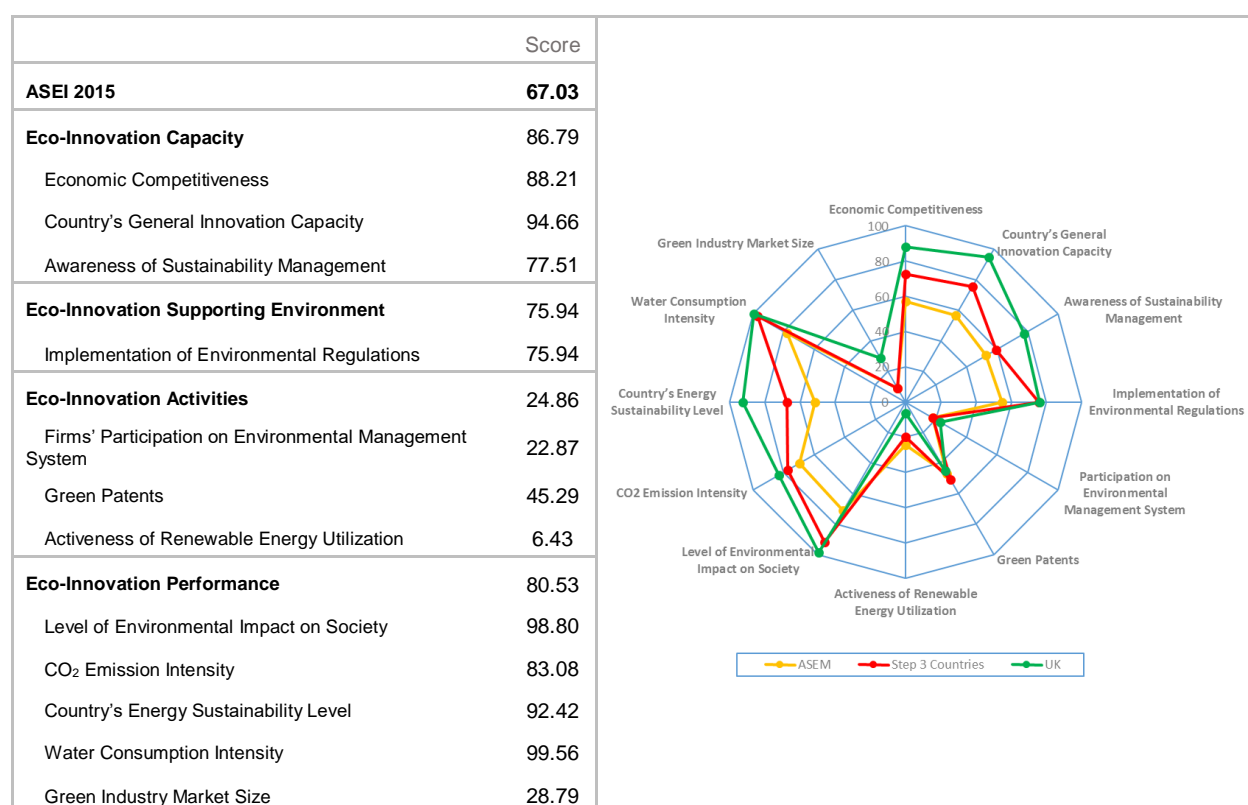


United Kingdom

	44,118	64.0 million	1:20:79	0.907 Very high	5.95	5.75	
Flag	GDP per capita	Population	Industry structure (1st, 2nd, 3rd)	HDI	Sustainable social index	Sustainable env. index	Geographic location



- The United Kingdom's eco-innovation capacity, supporting environment and performance are high. However, eco-innovation activity is low.
- Most of the ASEI indicators of the United Kingdom are higher than the average score of the same development state countries.
- Activeness of Renewable Energy Utilization (indicator no. 3.5) of the United Kingdom is lower than the average score of the same development state countries.

Table 29 Eco-innovation Policy instruments of the United Kingdom

National plan and strategy	Sustainability	<ul style="list-style-type: none"> ■ UK Sustainable Development Strategy (2005) ■ Securing the future-sustainable development strategy (2006)
	Eco-innovation	<ul style="list-style-type: none"> ■ A Roadmap to a Green Economy (2011) ■ Waste Prevention & Waste Management - DEFRA⁵² ■ Carbon Reduction Commitment Energy Efficiency Scheme(CRC EES) (2010) ■ the Microgeneration Strategy ■ UK Bioenergy Strategy 2011 ■ Anaerobic Digestion Strategy in 2011 ■ Combined Heat and Power schemes ■ Carbon Plan (2011) ■ 'The Greenest Government Ever' campaign ■ The 'Building a low carbon economy: unlocking innovation and skills' strategy (2008) ■ National Low Carbon Strategy ■ The Low Carbon Industrial Strategy, and the Low Carbon Transition Plan (2009) ■ Planning Policy Wales (PPW) - Guidance on renewable and low carbon energy projects ■ Overarching National Policy Statement for Energy, DECC (2011) ■ Resource Security Action Plan
Programmes and actions	National	<ul style="list-style-type: none"> ■ WRAP (Waste & Resources Action Programme) ■ Renewable Transport Fuel Obligation (RTFO) (2008) ■ Community Energy Saving Programme (CESP) (2009) ■ Green Deal: The Energy Bill (2012) ■ National Sustainable Procurement Training Programme ■ Green Deal: The Energy Bill (2012) ■ Carbon Emission Reduction Target (CERT) (2008) ■ The northwest eco-innovation programme ■ Technical Advice Note 8 Renewable Energy (TAN8) ■ Ultra-Low Carbon Vehicle Demonstrator Programme ■ The Low Carbon Vehicle Integrated Delivery Programme ■ the Central Government Low Carbon Technology Programme

⁵² The UK Department for Environment, Food and Rural Affairs website

		<ul style="list-style-type: none"> ■ Carbon Reduction Commitment Energy Efficiency Scheme (CRC EES) - 2010
	International	
Legislation		<ul style="list-style-type: none"> ■ The Energy Act (2011) ■ Climate Change Act (2008)
Finance		<ul style="list-style-type: none"> ■ Green Investment Bank (GIB) (2012)
Information		<ul style="list-style-type: none"> ■ UK-Japan Symposium on Green Manufacturing and Eco-innovation (2010) ■ The 10th European Forum on Eco- Innovation 'Towards a Resource-Efficient Economy - from Policy to Action' (March 2011) ■ Scotland & Northern Ireland Forum for Environmental Research (SNIFFER) ■ Environmental Sustainability Knowledge Transfer Network (ES KTN) (2009)

The UK is building a strategy for achieving sustainable development⁵³, green economy⁵⁴, low-carbon society⁵⁵. In order to reach those goals, the UK has established eco-innovation vision and plan in the sector of waste⁵⁶, energy⁵⁷, industry⁵⁸, building⁵⁹, resource use⁶⁰. The UK has treated more than 50% of the EU waste with Germany, France and Romania. Anaerobic Digestion Strategy was established in 2011. From 2012, landfill waste disposal is being rapidly replaced by anaerobic treatment because landfill disposal become the most expensive treatment in the UK (Brocklehurst, 2013). The UK introduced WRAP (Waste & Resources Action Programme) to reuse waste in order to form a new market of eco-innovation products (EIO, 2013v). With a legal basis for energy⁶¹, the policies of energy efficiency in transportation⁶² and renewable energy⁶³ were carried out. Eco-innovation policy in the industry sector includes climate

⁵³ UK Sustainable Development Strategy, Securing the Future Sustainable Development Strategy (2006)

⁵⁴ A Roadmap to a Green Economy (2011)

⁵⁵ National Low Carbon Strategy, Carbon Plan (2011)

⁵⁶ Waste Prevention & Waste Management – DEFRA, Anaerobic Digestion Strategy (2011)

⁵⁷ Carbon Reduction Commitment Energy Efficiency Scheme (CRC EES) (2010), the Microgeneration Strategy, UK Bioenergy (2011), Planning Policy Wales(PPW)-Guidance on Renewable and Low Carbon Energy Projects, Overarching National Policy Statement for Energy DECC (2011)

⁵⁸ The Low Carbon Industrial Strategy, and the Low Carbon Transition Plan (2009)

⁵⁹ The 'Building a Low Carbon Economy: Unlocking Innovation and Skills' Strategy (2008)

⁶⁰ Resource Security Action Plan

⁶¹ The Energy Act (2011)

⁶² Community Energy Saving Programme(CESP) (2009), Ultra Low Carbon Vehicle Demonstrator Programme, The Low Carbon Vehicle Integrated Delivery Programme

⁶³ Renewable Transport Fuel Obligation(RTFO), Green Deal: The Energy Bill (2012), Technical Advice Note 8 Renewable Energy (TAN 8)

change law⁶⁴ and instruments⁶⁵. Financial support⁶⁶ and National Sustainable Procurement Training Programme are introduced to promote low-carbon activity for the companies in UK. In particular, The Northwest Eco-Innovation Programme⁶⁷ has been operated to support production of environmentally-friendly goods and to achieve low-carbon objectives for SMEs. Information instruments are also introduced such as Symposium⁶⁸ and forum⁶⁹ as well as network and partnership between the companies and research including universities⁷⁰.

⁶⁴ Climate Change Act (2008)

⁶⁵ Carbon Emission Reduction Target(CERT) (2008), The Central Government Low Carbon Technology Programme

⁶⁶ Green Investment Bank(GIB) (2012), Environmental Transformation Fund(ETF)

⁶⁷ The Northwest Eco-Innovation Programme (<http://www.ctechinnovation.com/#sthash.vMGpq2pF.dpbs>)

⁶⁸ UK-Japan Symposium on Green Manufacturing and Eco-Innovation (2010)

⁶⁹ The 10th European Forum on Eco-Innovation 'Towards a Resource Efficient Economy from Policy to Action' (2011.03), Scotland & Northern Ireland Forum for Environmental Research(SNIFFER)

⁷⁰ Environmental Sustainability Knowledge Transfer Network (ES KTN) (2009)