

## Czech Republic

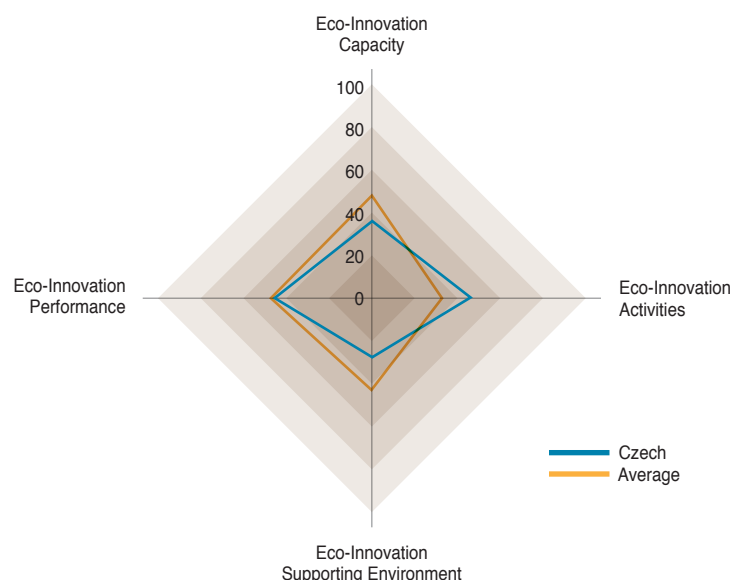


Fig 19. ASEI Result: Czech Republic

### Czech's Eco-Innovation Quantitative Analysis

According to the ASEI 2013, Czech scores below the average level (Czech: 40/100, Average: 43/100) when compared to other twenty four ASEM member countries evaluated by the ASEI. Czech falls below average when compared to its regional peers.

- ➡ *"Eco-Innovation Capacity" criteria score falls below average:* Country's Economic Competitiveness and Country's General Innovation Capacity indicator scores average, yet Green Technology R&D Institution Capacity and Green Technology possessed/acquired Firms indicators falls below average.
- ➡ *"Eco-Innovation Supporting Environment" criteria score is lower than average:* Government's R&D Expenditure in Green Industry and Implementation of Environmental Regulations indicators are on the average level while the scores for the Maturity of Investment Setting for Green Technology Industry indicator are considerably lower.
- ➡ *"Eco-Innovation Activities" criteria score is higher than average:* Commercialization Level of Green Technology, Economic Influence of Leading Environmentally Responsive Firms and Activeness of Renewable Energy Utilization indicator shows low scores yet it ranked high in the level of Firms' Participation on Environmental Management System and Green Patents.
- ➡ *"Eco-Innovation Performance" criteria score falls into average:* Level of Environmental Impact on Society and Green Industry Market Size indicators were both indicate average. Yet, CO<sub>2</sub> emission intensity and Jobs in Green Technology Industry indicator scores show lower than average scores.

## Czech's Eco-Innovation Supporting Environment: Qualitative Research

	National Vision & Strategy	National Policy & Programmes	Network, Partnership & Organizations
Eco-Innovation	<ul style="list-style-type: none"> <li>Waste Management Plan of the Czech Republic (2003–2013)</li> </ul>	<ul style="list-style-type: none"> <li>Operational Program for Environment</li> <li>Program on Environmental Technology Support (2006)</li> <li>Updated Programme of Support of Environmental Technologies (2009)</li> <li>Act no. 185/2001 on waste prevention and waste management</li> <li>Subsidy programmes of the State Environment Fund</li> <li>The Green Investment Scheme (2009)               <ul style="list-style-type: none"> <li>New programme supporting renewable energy sources and energy savings in residential buildings</li> </ul> </li> <li>Raw Material Policy in the Field of Mineral Materials and Their Resources (1999)</li> <li>State Energy Policy of the Czech Republic (2004)</li> <li>State environmental policy (2004–2010)</li> </ul>	<ul style="list-style-type: none"> <li>Czech Environmental Information Agency (CENIA)</li> <li>14<sup>th</sup> European forum on eco-innovation-Delivering innovative solutions for mobility, energy and ICT in cities (May 2013)</li> </ul>
Sustainable Development	<ul style="list-style-type: none"> <li>National Action Plan for Renewable Energy Sources</li> <li>The National Energy Efficiency Action Plan</li> <li>Sustainable Spatial Development</li> <li>the Framework of Programmes on Sustainable Consumption and Production (SCP Framework) (2005)</li> <li>National Cluster Strategy (2005)</li> <li>Strategic Framework for Sustainable Development (2010)</li> </ul>	<ul style="list-style-type: none"> <li>Local Agenda 21</li> <li>National Program of Labelling Environment-friendly Products</li> <li>National programme for the energy management and the use of renewable sources of energy for (2006–2009)</li> <li>Czech National Biomass Action Plan for the period (2009–2011)</li> </ul>	<ul style="list-style-type: none"> <li>The Government Council for Sustainable Development (GCSD)</li> <li>National Network of Science and Technology Parks</li> </ul>
SMEs			<ul style="list-style-type: none"> <li>Operational programme enterprise and innovation (2007–2013)</li> </ul>

Table 14. Czech's Eco-innovation Supporting Environment Qualitative Research Table

## Major Organizations of Eco-Innovation in Czech

- The Government Council for Sustainable Development (GCSD)
- Czech Environmental Information Agency (CENIA)

## Overall Comments for Czech

- Czech economic structure heavily depends on SMEs as SMEs make up over 99% of the country economy and over 60% of the total employment.<sup>34)</sup> The Strategic Framework for Sustainable Development places importance in supporting start up firms, SMEs and intellectual property protection. Such understanding is well reflected in the result of eco-innovation activities criteria of ASEI.
- Czech's eco-innovation activities are mainly related to enhancing the utilization of renewable energy and developing green smart grid, focusing on environmentally friendly shipping. The Czech government has facilitated environmental tax benefit for vehicles and, as a result, local car makers are putting their effort in developing electric cars.
- Czech's eco-innovation capacity lies on well-equipped infrastructures to create green technology innovation, through R&D clusters, innovation parks, etc.

34) In 2008, SMEs accounted for 61.52% of employment and 54.57% of book value added, the proportion of SMEs in the total number of active businesses was 99.83%.  
 Government Council for Sustainable Development, (2010), *The Strategic Framework for Sustainable Development in the Czech Republic*