

Denmark

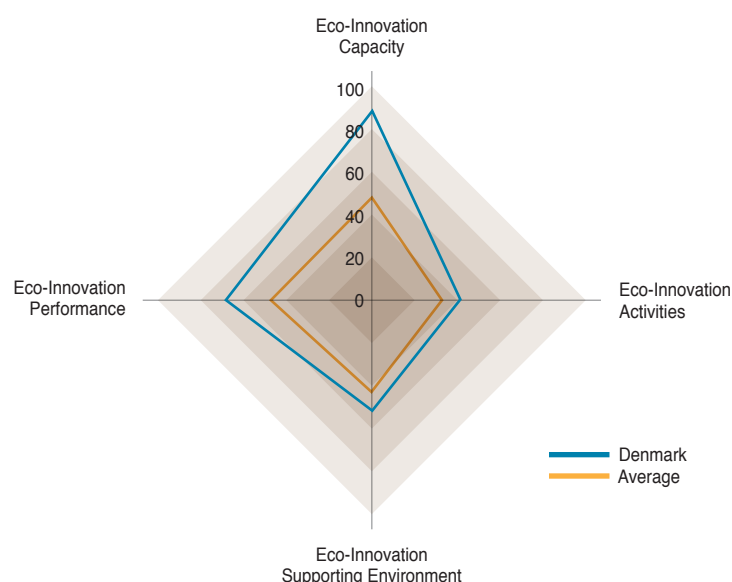


Fig 20. ASEI Result: Denmark

Denmark's Eco-Innovation Quantitative Analysis

According to the ASEI 2013, Denmark scores quite higher (Denmark: 63/100, Average: 43/100) when compared to other twenty four ASEM member countries evaluated by the ASEI. As such, Denmark falls into the top tier group compared to its regional peers.

- *"Eco-Innovation Capacity" criteria score is much higher than average:* every indicator included in this criterion represents higher scores than the average, particularly **Green Technology R&D Institution Capacity**, **Green Technology possessed/acquired Firms** and **Awareness of Sustainability Management** indicators far outweigh the average.
- *"Eco-Innovation Supporting Environment" criteria is relatively higher than average:* **Implementation of Environmental Regulations** indicator has been evaluated to be outstanding.
- *"Eco-Innovation Activities" criteria is just above average:* **Firms' Participation on Environmental Management System** and **Economic Influence of Leading Environmentally Responsive Firms** indicators are around average, yet **Activeness of Renewable Energy Utilization** indicator score exceeds the average.
- *"Eco-Innovation Performance" criteria appears go beyond the average level:* **CO₂ emission intensity**, **Country's Energy Sustainability level** and **Water consumption intensity** indicators demonstrate high scores yet **Green Industry Market Size** shows a relatively low score.

Denmark's Eco-Innovation Supporting Environment: Qualitative Research

	National Vision & Strategy	National Policy & Programmes	Network, Partnership & Organizations
Eco-Innovation	<ul style="list-style-type: none"> ■ Environmental technological action plan 2010-2011 ■ Energy Strategy 2050 	<ul style="list-style-type: none"> ■ New Ecoinnovation Programme ■ The Energy Technology Development and Demonstration Programme (EUDP) ■ The Green Development and Demonstration Programme ■ The Fund for Green Conversion and Commercial Renewal ■ Eco-label Denmark ■ The Raw Materials Act ■ Four largest water research programmes <ul style="list-style-type: none"> - Grant Scheme for Environmental Technologies within Water - The Foundation for the Development of Technology in the Danish Water Sector - The Business Innovation Fund - The Danish National Advanced Technology Foundation 	<ul style="list-style-type: none"> ■ The 7th European Forum on Eco-Innovation- Adapting to Climate Change through Eco-Innovation (Nov 2009)
Sustainable Development	<ul style="list-style-type: none"> ■ The National Energy Agreement (2008 – 2011) ■ Danish Strategy for Sustainable Development (Vækst med Omtanke) (2009) ■ Green Growth (2009) ■ The Waste Strategy (2009-2012) ■ Green Growth agreement (2009) & Green Growth agreement 2.0 (2010) 	<ul style="list-style-type: none"> ■ Vækstfonden³⁵⁾ ■ An enhanced effort for green procurement (2008-2009) ■ A visionary Danish Energy Policy 2025 (2008) 	<ul style="list-style-type: none"> ■ Business climate strategy (2009)
SMEs		<ul style="list-style-type: none"> ■ Research voucher for SMEs³⁶⁾ 	<ul style="list-style-type: none"> ■ Regional Innovation Agents³⁷⁾

Table 15. Denmark's Eco-innovation Supporting Environment Qualitative Research Table

Major Organizations of Eco-Innovation in Denmark

- Secretariat for Ecoinnovation (Danish Environmental Protection Agency)

Overall Comments for Denmark

- In 2012, the Danish Ministry of the Environment announced the importance of eco-innovation and introduced nine action plans to promote eco-innovation: partnership for innovation, international cooperation, R&D development, Consulting service and gathering of advanced knowledge and information, eco-efficient technology development and utilization etc. These specific plans are expected to build a firm ground to create new businesses and national opportunities overtime.
- Denmark's eco-innovation capacity is closely related to the close partnership between various stakeholders. The government understands the importance of close interaction between firms, research institutes, academic institutions and, is working towards creating new partnerships³⁸⁾ and providing financial support to generate synergy in the field of eco-innovation.

35) EIO, (2011), *Eco-innovation in Denmark*

The policy measure aims at an increased R&D intensity of SMEs by fostering collaboration with public research institutions, improving knowledge transfer and by strengthening quality and relevance of public R&D

36) EIO, (2011), *Eco-innovation in Denmark*

Experts from 9 regional centres offer innovation checks to smes of the regions in question

37) EIO, (2011), *Eco-innovation in Denmark*

National funding scheme named that has a high focus on investing in companies, who put innovation and environment high on their agenda

38) Water Partnership, Partnership for Environmental Technology to groundwater area in Shandong Province, Partnership for wastewater in Chongqing Province