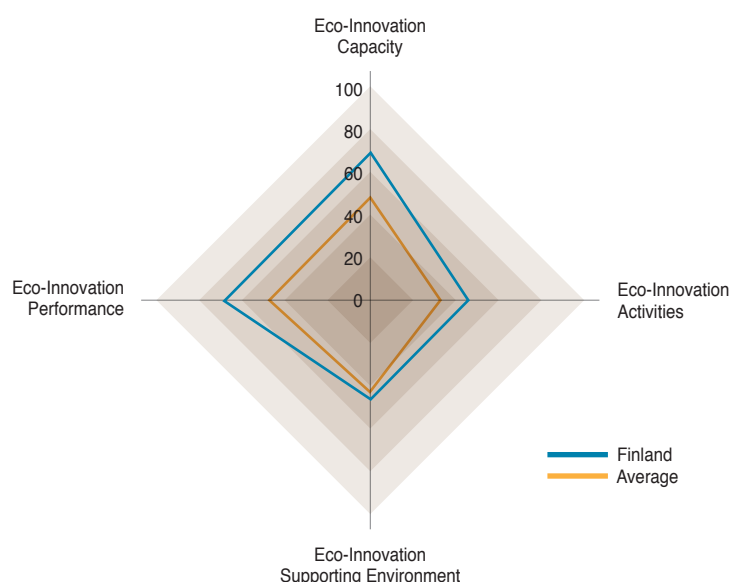


## Finland



	Finland	Average
Capacity	68	49
Supporting Environment	47	42
Activities	47	35
Performance	68	46

Fig 21. ASEI Result: Finland

### Finland's Eco-Innovation Quantitative Analysis

According to the ASEI 2013, Finland scores higher (Finland: 57/100, Average: 43/100) than the average group when compared to other twenty four ASEM member countries evaluated by the ASEI.

- “Eco-Innovation Capacity” criteria score exceeds the average: indicators included exceed the average score. **Green Technology possessed/acquired Firms** indicator is the only indicator below the average.
- “Eco-Innovation Supporting Environment” criteria score is just above average: **Implementation of Environmental Regulations** indicator ranked highest amongst its regional peers and **Maturity of Investment Setting for Green Technology Industry** and **Investment Scale towards Green Technology SMEs** indicator scores indicate higher level than the average.
- “Eco-Innovation Activities” criteria score demonstrates higher than average: **Commercialization Level of Green Technology** and **Activeness of Renewable Energy Utilization** indicators show high scores, but low score for **Green Patents**.
- “Eco-Innovation Performance” criteria score shows significantly higher level than average: **Level of Environmental Impact on Society**, **Country's Energy Sustainability level** and **Jobs in Green Technology Industry** indicators shows outstanding figures yet **Green Industry Market Size** is relatively small.

## Finland'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>Energy and eco-efficiency standards for new buildings</li> <li>Energy efficiency label scheme</li> <li>Acquisition law: energy efficiency requirement in public investment</li> <li>Proposals for Finland's national programme to promote sustainable consumption and production (2005)</li> <li>The Programme for the Built Environment (2010)</li> <li>Towards a Smart Resource Economy – Government Report to Parliament on Natural Resources (2010)</li> <li>The ERA17 programme for an energy-smart built environment 2017 (2010)</li> </ul>	<ul style="list-style-type: none"> <li>Green Net Finland</li> <li>Cleantech Finland Business Forum</li> <li>The Finnish Cleantech Cluster</li> <li>Wood energy advisors network</li> <li>Motiva Ltd: Equipment procurements, Energy procurements and Material efficiency</li> <li>The Energy Efficiency committee (2008)</li> <li>The 11<sup>th</sup> European Forum on Eco-Innovation working with emerging economies for green growth (Oct 2011)</li> </ul>
Sustainable Development	<ul style="list-style-type: none"> <li>National waste plan until 2016 (2008)</li> <li>Climate Change and Energy Strategy (2008)</li> <li>The National Resources Strategy (2009)</li> <li>A Natural Resource Strategy for Finland: Using natural resources intelligently (2009)</li> <li>The National Innovation Strategy (2009)</li> <li>The Climate and Energy Strategy (2009)</li> <li>Bioeconomy Strategy (2010)<sup>39)</sup></li> <li>Finland's Mineral Strategy (2010)</li> </ul>	<ul style="list-style-type: none"> <li>The Finnish Innovation Fund(Sitra)</li> <li>Resolution on Sustainable public procurement (2009)</li> <li>The Strategic Programme for Cleantech Business (2012)</li> <li>Tekes<sup>40)</sup></li> <li>- Finnish Funding Agency for Technology and Innovation, funded by Ministry of Transport and Communications</li> </ul>	<ul style="list-style-type: none"> <li>SHOK (Strategic Centres for Science, Technology and Innovation)<sup>41)</sup></li> <li>The Finnish National Environmental Innovation Panel</li> </ul>
SMEs		<ul style="list-style-type: none"> <li>Finnvera</li> <li>- Environmental loan</li> </ul>	

Table 16. Finland's Eco-innovation Supporting Environment Qualitative Research Table

## Major Organizations of Eco-Innovation in Finland

- The Finnish National Environmental Innovation Panel
- The Energy Efficiency committee

## Overall Comments for Finland

- Finland has well-equipped with environmental professions and infrastructure. It can be noticed from ASEI result that it scores high in the following indicators: Implementation of Environmental Regulations, Jobs in Green Technology Industry and Level of Environmental Impact on Society. Current eco-innovation activities are concentrated on energy efficiency and renewable energy.
- Finland industry development policy measures have been focused on cluster development, and the country is known to possess one of the world's top three Cleantech clusters, thus it is expected more these clusters will generate more eco-innovation activities overtime.

39) European Environmental Agency, (2011), *Finland resource efficiency policies*

To support national resource strategy, the Ministry of Employment and the Economy set a working group (WG) on bioeconomy. The WG released its final report in September 2010. The WG proposed 15 action points with several sub-points in each action to promote bioeconomy in Finland. One action point is that a National Biostrategy is to be prepared to concretise how bioeconomy can be utilised to promote new economic development and welfare.

40) EIO, (2011), *Eco-innovation in Finland*

Programmes: Biorefine, Sustainable community, Green growth

41) EIO, (2011), *Eco-innovation in Finland*

SHOKs related to eco-innovations: CLEEN Ltd/ Energy and environment, Forest cluster, Built environment