

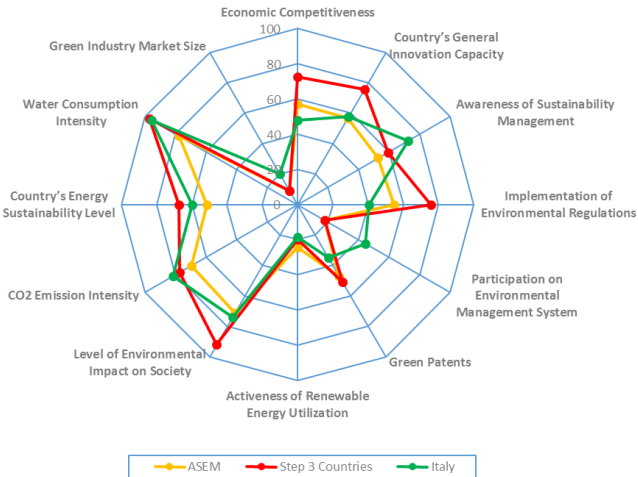


# Italy

|   |                |              |                                    |                    |                          |                        |   |
|---|----------------|--------------|------------------------------------|--------------------|--------------------------|------------------------|---|
|  | 29,847         | 61.9 million | 2:24:74                            | 0.873<br>Very high | 4.36                     | 4.44                   |  |
| Flag  | GDP per capita | Population   | Industry structure (1st, 2nd, 3rd) | HDI                | Sustainable social index | Sustainable env. index | Geographic location   |

|   | Score        |  |
|---|--------------|--|
| <b>ASEI 2015</b>  | <b>49.72</b> |  |
| <b>Eco-Innovation Capacity</b>                          | 59.30        |  |
| Economic Competitiveness                                | 47.97        |  |
| Country's General Innovation Capacity                   | 57.62        |  |
| Awareness of Sustainability Management                  | 72.30        |  |
| <b>Eco-Innovation Supporting Environment</b>            | 40.64        |  |
| Implementation of Environmental Regulations             | 40.64        |  |
| <b>Eco-Innovation Activities</b>                        | 32.69        |  |
| Firms' Participation on Environmental Management System | 44.36        |  |
| Green Patents   | 35.20        |  |
| Activeness of Renewable Energy Utilization              | 18.49        |  |
| <b>Eco-Innovation Performance</b>                       | 66.27        |  |
| Level of Environmental Impact on Society                | 73.99        |  |
| CO <sub>2</sub> Emission Intensity                      | 81.54        |  |
| Country's Energy Sustainability Level                   | 59.89        |  |
| Water Consumption Intensity                             | 95.83        |  |
| Green Industry Market Size                              | 20.08        |  |



Legend: ASEM (Yellow), Step 3 Countries (Red), Italy (Green)

- Italy's eco-innovation capacity, supporting environment, activity and performance are high.
- Awareness of Sustainability Management (indicator no. 1.5) and Firm's Participation on Environmental Management System (indicator no. 3.2) of Italy are higher than the average score of the same development state countries.
- Implementation of Environment Regulation (indicator no. 2.2) of Italy is lower than the average score of the same development state countries.

Table 41 Eco-innovation Policy instruments of Italy

|                            |                |   |
|----------------------------|----------------|---|
| National plan and strategy | Sustainability | <ul style="list-style-type: none"> <li>■ Environmental Action Strategy for Sustainable Development(EASSD) (2002)</li> </ul>   |
|                            | Eco-innovation | <ul style="list-style-type: none"> <li>■ Italian National Energy Efficiency Action Plan (2007) - approximately 9.6% energy savings target by 2016</li> <li>■ Italian National Renewable Energy Action Plan (2010)</li> <li>■ The National Plan for the Integrated Management of Water Resources (2012)</li> <li>■ Italian National Action Plan on Green Public Procurement (2008)</li> </ul>  |
| Programme and actions      | National       | <ul style="list-style-type: none"> <li>■ Leadership in Energy and Environmental Design scheme(LEED)</li> <li>■ The Zero Energy House in Friuli Venezia-Giulia Region</li> <li>■ Programme “Industria 2015”</li> <li>■ ROP (Regional Operational Programme) <sup>153</sup></li> <li>■ Italia degli Innovatori- an initiative sponsored by the Agency for Innovation for the diffusion of technology innovation, in collaboration with the Department of digitization and technological innovation, which aims to bring out the best examples of innovation and Italian technological excellence</li> </ul> |
|                            | International  |   |
| Information                |                | <ul style="list-style-type: none"> <li>■ The national network of scientific and technological parks (PSTs); a number of PSTs have areas that are focused on eco-innovation</li> <li>■ Prato <sup>154</sup></li> <li>■ The Italian National Agency for New Technologies, Energy and Sustainable Economic Development(ENEA)</li> </ul>  |

Italy established execution strategies<sup>155</sup> and national plan for sustainable development, and energy efficiency<sup>156</sup>, renewable energy<sup>157</sup>, and water resources<sup>158</sup>, respectively. In addition, the foundation for

<sup>153</sup> ERDF, DISTRICT+\_Component 3\_Good Practice description\_“Fondo Toscana Innovazione” “Fondo Toscana Innovazione”, active from the 1st June 2008 with a budget of 44.4 million Euro, aims to invest in small and medium enterprises that have identified a business idea or have been recently started and that are in the so-called early stage phase (from seed to start-up), but it also aims to invest in already existing firms that want to grow up and to set up new industrial developments (expansion). Fund main activity sectors are: renewable energy, robotics, ICT, biotechnology and life sciences.

<sup>154</sup> Greenovate, (2011), Eco-innovation in cluster organizations in the chemical and textile-clothing-leather sectors Confartigianato Prato is a public organization set up to promote regional industry through support services to SMEs. Though the Confartigianato Prato does not identify environmental challenges or eco-innovative practices within its objectives or targets, the organization is aware of its Growing significance. At this point, no fundamental plans to tackle these issues have been developed but the organization hopes to implement more solid plans in the future.

<sup>155</sup> Environmental Action Strategy for Sustainable Development(EASSD) (2002)

<sup>156</sup> Italian National Energy Efficiency Action Plan (2007) – approximately 9.6% energy savings target by 2016

<sup>157</sup> Italian National Renewable Energy Action Plan (2010)

<sup>158</sup> The National Plan for the Integrated Management of Water Resources (2012)

the eco-innovation has been established through execution plans<sup>159</sup> of green public procurement.

Especially in the city planning area, the implementation of leadership in the energy and environmental design policy (LEED)<sup>160</sup> enabled the documentation of repair history and operation of independent building energy program<sup>161</sup>. Italy supported the execution of system eco-innovation<sup>162</sup> by creating an industrial complex. Supporting the industry symbiosis network, The Italian National Agency for New Technologies, Energy and Sustainable Development (ENEA)<sup>163</sup> established local industrial symbiosis platforms through the ENEA initiative<sup>164</sup>.

---

<sup>159</sup> Italian National Action Plan on Green Public Procurement (2008)

<sup>160</sup> Leadership in Energy and Environmental Design scheme(LEED); See: <http://www.gbciitalia.org/risorse/169>; Many cases of successful application of the LEED protocol in Italy can be found on the GBC website: <http://www.gbciitalia.org/risorse/170>

<sup>161</sup> The Zero Energy House in Friuli Venezia-Giulia Region

<sup>162</sup> The national network of scientific and technological parks (PSTs);

<sup>163</sup> The Italian National Agency for New Technologies, Energy and Sustainable Economic Development(ENEA)

<sup>164</sup> <http://www.enea.it/it>