Human resources in science and technology (% of active population)

SELECT [1]

The percentage of the population that meets the following three criteria, as a percentage of the total population aged 25-64, and active in the labour market (e.g. employed or unemployed by available to work): (i) aged 25-64, (ii) active in the labour market (e.g. employed or unemployed but available to work), and (iii) has successfully completed studies in science and technology (beyond secondary school education, e.g. at college, university etc.) or are employed in science and technology.

Data host:

Eurostat

Unit of Measurement:

Percentage of population aged 25-64 and active in the labour market

Link to Data:

http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&plugin=1&language=en&... [2]

Type of Indicator source:

- Statistical office [3]

Geographical Coverage:

Austria
Belgium
Bulgaria
Switzerland
Cyprus
Czech Republic
Germany
Denmark
Estonia
Spain
Finland
France
Croatia
Hungary
Ireland
Iceland
Italy
Liechtenstein
Lithuania
Luxembourg
Latvia
Montenegro
Macedonia

Malta
Netherlands
Norway
Poland
Portugal
Romania
Serbia
Sweden
Slovenia
Slovakia
Turkey

Geographical Level:

- National [4]

Same/similar indicators appears in the following sets:

- Eco-Innovation Scoreboard (EIO) [5]
- OECD Green Growth Indicators [6]
- Europe 2020 Indicators [7]

Methodological transparency:

- Complete methodology available [8]

Indicator relation: **Indicator:** Eco-innovation Index [9]
Relationship explanation: The indicator is part of the EU's Eco-Innovarion Scoreboard
Type of relation: Aggregated indicator which includes the component

Indicator: Eco-Innovation Inputs [10]
Relationship explanation: The indicator is part of the EU's Eco-Innovarion Scoreboard
Type of relation: Aggregated indicator which includes the component

Indicator: Governments environmental and energy R&D appropriations and outlays (% of GDP) [11]
Relationship explanation: The indicator is part of the EU's Eco-Innovarion Scoreboard
Type of relation: Similar indicator

Indicator: Venture capital - early stage investment [12]
Relationship explanation: The indicator is part of the EU's Eco-Innovarion Scoreboard
Type of relation: Similar indicator

Type of relation: Similar indicator

Temporal Coverage:

2002 to 2013

Frequency of Updates:

- annualy [13]

Link to Methodology:

OECD Canberra Manual [14]

Aggregation level of indicator:

- Aggregate [15]

Data quality assesment:

- Assessed by statistical office [16]

Publishing delay:

- 1-3 years [17]

Link to data quality assessment:

Eurostat quality assessment [18]

Contribution to the green economy:

A higher value for this indicator shows that a greater proportion of individuals who are active in the labour market are educated or working in the fields of science and technology. This may represent greater potential to achieve the technological and scientific advancements needed to accelerate progress towards a green economy.

Cost of accessing data:

- free of charge [19]

Potential misinterpretation: A higher value for this indicator does not immediately imply greater progress in terms of technological and scientific advancements, as it says nothing of the efficiency or quality of work being carried out in these sectors. It would be valuable to supplements the use of this indicator with an indicator related to achievements in these areas.
Related Indicator: Green Patents (to capture innovation towards the Green Economy) [20]

Potential misinterpretation: A higher value for this indicator does not immediately imply progress towards the green economy, as technological and scientific advancements may be related to factors which are not associated with this vision of progress. For example, developments in techniques for extraction of fossil fuels or raw materials.
Related Indicator: Green Patents (to capture innovation towards the Green Economy) [20]

Use of indicator in mandates, international agreements or legislation:

Name of agreement or policy:

Regulation (EC) No 452/20

Name of body or organisation:

European Commission

Link to body or organisation:

Policy document [21]

Section or page to find indicator:

Throughout

The NETGREEN project has received funding from the European Union's Seventh Framework Programme for Research, Technological Development and Demonstration under the Grant Agreement no. 603877.

Links
[1] https://measuring-progress.eu/coll-add/nojs/3086
[2] http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&plugin=1&language=en&pcode=tsc00025
[3] https://measuring-progress.eu/taxonomy/term/45
[4] https://measuring-progress.eu/taxonomy/term/33
[5] https://measuring-progress.eu/indicator-set/eco-innovation-scoreboard-eio
[6] https://measuring-progress.eu/taxonomy/term/90
[7] https://measuring-progress.eu/taxonomy/term/72
[8] https://measuring-progress.eu/taxonomy/term/34
[9] https://measuring-progress.eu/eco-innovation-index
[10] https://measuring-progress.eu/eco-innovation-inputs
[11] https://measuring-progress.eu/governments-environmental-and-energy-rd-appropriations-and-outlays-gdp
[12] https://measuring-progress.eu/venture-capital-early-stage-investment
[13] https://measuring-progress.eu/taxonomy/term/17
[14] http://www.oecd.org/science/inno/2096025.pdf
[15] https://measuring-progress.eu/taxonomy/term/28
[16] https://measuring-progress.eu/taxonomy/term/38
[17] https://measuring-progress.eu/taxonomy/term/25
[18] http://ec.europa.eu/eurostat/cache/metadata/EN/hrst_esms.htm

[19] https://measuring-progress.eu/taxonomy/term/9
[20] https://measuring-progress.eu/green-patents-capture-innovation-towards-green-economy
[21] http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ%3AL%3A2011%3A029%3A0005%3A0027%3AEN%3APDF