

# Country Profile TURKEY

## Region: Eastern Europe



|                                    |                            |                |
|------------------------------------|----------------------------|----------------|
| 2020 EPI Country Rank (out of 180) | GDP [PPP 2011\$ billions]  | <b>2,087.4</b> |
| <b>99</b>                          | GDP <i>per capita</i> [\$] | <b>25,358</b>  |
| 2020 EPI Score [0=worst, 100=best] | Population [millions]      | <b>82.3</b>    |
| <b>42.6</b>                        | Urbanization [%]           | <b>76.11</b>   |

## Country Scorecard

### Issue Categories

### Rank [/180]



Region: Eastern Europe

|  | Rank       | EPI Score   | 10-Year Change | Regional Rank | Regional Average |
|--|------------|-------------|----------------|---------------|------------------|
| <b>Environmental Performance Index</b>                     | <b>99</b>  | <b>42.6</b> | <b>+2.1</b>    | <b>19</b>     | <b>59.9</b>      |
| <b>Environmental Health</b>                                | <b>58</b>  | <b>51.3</b> | <b>+6.5</b>    | <b>12</b>     | <b>58.4</b>      |
| <b>Air Quality</b>   | 58         | 49.5        | +9.2           | 10            | 49.8             |
| Household solid fuels                                      | 42         | 76.2        | +13.6          | 3             | 55.7             |
| PM <sub>2.5</sub> exposure                                 | 117        | 32.3        | +6.7           | 14            | 45.4             |
| Ozone exposure   | 160        | 25.7        | +2.4           | 19            | 49.7             |
| <b>Sanitation &amp; Drinking Water</b>                     | 75         | 52.6        | +3.9           | 19            | 67.5             |
| Unsafe sanitation  | 61         | 61.2        | +7.3           | 15            | 74.3             |
| Unsafe drinking water                                      | 80         | 46.9        | +1.6           | 19            | 63.0             |
| <b>Heavy Metals / Lead exposure</b>                        | 59         | 61.5        | +7.8           | 13            | 65.3             |
| <b>Waste Management / Controlled solid waste</b>           | 70         | 48.5        | -              | 15            | 65.6             |
| <b>Ecosystem Vitality</b>                                  | <b>139</b> | <b>36.9</b> | <b>-0.7</b>    | <b>19</b>     | <b>60.9</b>      |
| <b>Biodiversity &amp; Habitat</b>                          | 175        | 15.1        | -0.6           | 19            | 70.3             |
| Terrestrial biomes (nat'l)                                 | 178        | 1.1         | -              | 19            | 81.8             |
| Terrestrial biomes (global)                                | 177        | 1.4         | -              | 19            | 83.2             |
| Marine protected areas                                     | 117        | 0           | -              | 12            | 57.3             |
| Protected Areas Representativeness Index                   | 143        | 10.9        | +3.8           | 19            | 36.6             |
| Species Habitat Index                                      | 72         | 87          | -10.3          | 7             | 84.8             |
| Species Protection Index                                   | 152        | 3.3         | +0.6           | 18            | 84.3             |
| Biodiversity Habitat Index                                 | 148        | 44.3        | -0.7           | 12            | 46.4             |
| <b>Ecosystem Services</b>                                  | 75         | 37.1        | -2.6           | 11            | 36.4             |
| Tree cover loss  | 69         | 35.6        | -1.4           | 11            | 34.0             |
| Grassland loss   | 94         | 53.6        | +5.4           | 14            | 60.5             |
| Wetland loss   | 92         | 47.5        | -31.8          | 10            | 55.7             |
| <b>Fisheries</b>   | 91         | 10.8        | -3.9           | 8             | 15.6             |
| Fish Stock Status  | 100        | 2.4         | -12.2          | 7             | 11.6             |
| Marine Trophic Index                                       | 32         | 22.3        | -              | 4             | 23.8             |
| Fish caught by trawling                                    | 34         | 7.2         | +1.4           | 5             | 5.7              |
| <b>Climate Change</b>                                      | 96         | 49.3        | -1.8           | 19            | 67.3             |
| CO <sub>2</sub> growth rate                                | 110        | 35.5        | -0.4           | 19            | 60.7             |
| CH <sub>4</sub> growth rate                                | 47         | 87.7        | +11.5          | 11            | 85.7             |
| F-gas growth rate  | 101        | 87.2        | +7.4           | 15            | 89.0             |
| N <sub>2</sub> O growth rate                               | 174        | 0           | -76.5          | 19            | 70.4             |
| Black Carbon growth rate                                   | 99         | 50.2        | -16.0          | 19            | 79.1             |
| CO <sub>2</sub> from land cover                            | 48         | 64.2        | -              | 6             | 58.1             |
| Greenhouse gas intensity growth rate                       | 59         | 56.6        | +14.9          | 7             | 49.2             |
| Greenhouse gas emissions <i>per capita</i>                 | 113        | 38.5        | -4.9           | 5             | 31.6             |
| <b>Pollution Emissions</b>                                 | 45         | 84          | +10.4          | 17            | 92.7             |
| SO <sub>2</sub> growth rate                                | 69         | 82.8        | +1.3           | 17            | 94.3             |
| NO <sub>x</sub> growth rate                                | 44         | 85.2        | +19.4          | 13            | 91.2             |
| <b>Agriculture / Sustainable Nitrogen Management Index</b> | 32         | 57.4        | +4.5           | 10            | 53.1             |
| <b>Water Resources / Wastewater treatment</b>              | 49         | 30.4        | -              | 12            | 41.7             |

Note: three largest increases in green and three largest decreases in red. "-" indicates no change.

# Country Profile

## TURKEY

### Peer Comparisons: EPI Scores for this country and peers based on similar characteristics

| EPI Performance |      |
|-----------------|------|
| Bahamas         | 43.5 |
| Egypt           | 43.3 |
| El Salvador     | 43.1 |
| Grenada         | 43.1 |
| Saint Lucia     | 43.1 |
| South Africa    | 43.1 |
| Turkey          | 42.6 |
| Morocco         | 42.3 |
| Belize          | 41.9 |
| Georgia         | 41.3 |

| GDP per capita      |      |
|---------------------|------|
| Greece              | 69.1 |
| Cyprus              | 64.8 |
| Romania             | 64.7 |
| Croatia             | 63.1 |
| Latvia              | 61.6 |
| Russia              | 50.5 |
| Antigua and Barbuda | 48.5 |
| Iran                | 48.0 |
| Kazakhstan          | 44.7 |
| Turkey              | 42.6 |

| Issue Performance |      |
|-------------------|------|
| Belarus           | 53.0 |
| Russia            | 50.5 |
| Ukraine           | 49.5 |
| Uruguay           | 49.1 |
| Lebanon           | 45.4 |
| Algeria           | 44.8 |
| Kazakhstan        | 44.7 |
| Moldova           | 44.4 |
| Turkey            | 42.6 |
| China             | 37.3 |

| Regulatory Quality  |      |
|---------------------|------|
| Kuwait              | 53.6 |
| Trinidad and Tobago | 47.5 |
| Dominican Republic  | 46.3 |
| Moldova             | 44.4 |
| Saudi Arabia        | 44.0 |
| El Salvador         | 43.1 |
| Turkey              | 42.6 |
| Namibia             | 40.2 |
| Indonesia           | 37.8 |
| Mongolia            | 32.2 |

| Voice & Accountability |      |
|------------------------|------|
| Brunei Darussalam      | 54.8 |
| Turkey                 | 42.6 |
| Pakistan               | 33.1 |
| Angola                 | 29.7 |
| Togo                   | 29.5 |
| Bangladesh             | 29.0 |
| Mauritania             | 27.7 |
| Haiti                  | 27.0 |
| Guinea                 | 26.4 |
| Myanmar                | 25.1 |

| Political Stability |      |
|---------------------|------|
| Venezuela           | 50.3 |
| Iran                | 48.0 |
| Egypt               | 43.3 |
| Turkey              | 42.6 |
| Kenya               | 34.7 |
| Ethiopia            | 34.4 |
| Cameroon            | 33.6 |
| Niger               | 30.8 |
| Chad                | 26.7 |
| Myanmar             | 25.1 |

| Eastern Europe         |      |
|------------------------|------|
| Lithuania              | 62.9 |
| Latvia                 | 61.6 |
| Poland                 | 60.9 |
| Bulgaria               | 57.0 |
| North Macedonia        | 55.4 |
| Serbia                 | 55.2 |
| Albania                | 49.0 |
| Montenegro             | 46.3 |
| Bosnia and Herzegovina | 45.4 |
| Turkey                 | 42.6 |

| G-20         |      |
|--------------|------|
| Mexico       | 52.6 |
| Argentina    | 52.2 |
| Brazil       | 51.2 |
| Russia       | 50.5 |
| Saudi Arabia | 44.0 |
| South Africa | 43.1 |
| Turkey       | 42.6 |
| Indonesia    | 37.8 |
| China        | 37.3 |
| India        | 27.6 |

| Ease of Doing Business Index |      |
|------------------------------|------|
| Netherlands                  | 75.3 |
| Belgium                      | 73.3 |
| Slovenia                     | 72.0 |
| Czech Republic               | 71.0 |
| Slovakia                     | 68.3 |
| Portugal                     | 67.0 |
| Israel                       | 65.8 |
| Belarus                      | 53.0 |
| Turkey                       | 42.6 |
| Rwanda                       | 33.8 |

**Note:** 'Issue Performance' based on *k*-nearest neighbors analysis of EPI issue categories.

**Sources:** GDP *per capita*, Worldwide Governance Indicators, and Ease of Doing Business Index from World Bank DataBank. Urbanization rate from UN, Dept. of Economic and Social Affairs, Population Division.