Early estimates of CO₂ emissions from energy use

In 2014, CO₂ emissions in the EU estimated to have decreased by 5% compared with 2013

Eurostat estimates that in 2014 carbon dioxide (CO₂) emissions from fossil fuel combustion⁠ superscript 1 decreased by 5.0% in the European Union (EU), compared with the previous year. CO₂ emissions are a major contributor to global warming and account for around 80% of all EU greenhouse gas emissions. They are influenced by factors such as climate conditions, economic growth, size of the population, transport and industrial activities⁠ superscript 2. Various EU energy efficiency initiatives aim to reduce emissions of CO₂ and other greenhouse gases. It should also be noted that imports and exports of energy products have an impact on CO₂ emissions in the country where fossil fuels are burned: for example if coal is imported this leads to an increase in emissions, while if electricity is imported, it has no direct effect on emissions in the importing country, as these would be reported in the exporting country where it is produced.

This information on early estimates⁠ superscript 3 of CO₂ emissions from energy use for 2014 is published by Eurostat, the statistical office of the European Union.

Largest reductions in CO₂ emissions in Slovakia and Denmark

According to Eurostat estimates, CO₂ emissions fell in 2014 in almost all EU Member States, except Bulgaria (+7.1%), Cyprus (+3.5%), Malta (+2.5%), Lithuania (+2.2%), Finland (+0.7%) and Sweden (+0.2%) and. The largest decreases were recorded in Slovakia (-14.1%) and Denmark (-10.7%), followed by Slovenia (-9.1%), the United Kingdom (-8.7%) and France (-8.2%).

Change in CO₂ emissions, 2014/2013 (estimated)
### CO₂ emissions from energy use

<table>
<thead>
<tr>
<th></th>
<th>2013*</th>
<th>2014 estimate</th>
<th>Change 2014/2013</th>
<th>in %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in 1000 tons CO₂</td>
<td></td>
<td>in absolute terms (1000 tons CO₂)</td>
<td></td>
</tr>
<tr>
<td>EU</td>
<td>3 350 986</td>
<td>3 183 593</td>
<td>-167 392</td>
<td>-5.0%</td>
</tr>
<tr>
<td>Belgium</td>
<td>90 508</td>
<td>89 580</td>
<td>-928</td>
<td>-1.0%</td>
</tr>
<tr>
<td>Bulgaria</td>
<td>40 720</td>
<td>43 610</td>
<td>2 890</td>
<td>7.1%</td>
</tr>
<tr>
<td>Czech Republic</td>
<td>93 057</td>
<td>91 083</td>
<td>-1 974</td>
<td>-2.1%</td>
</tr>
<tr>
<td>Denmark</td>
<td>38 166</td>
<td>34 073</td>
<td>-4 093</td>
<td>-10.7%</td>
</tr>
<tr>
<td>Germany</td>
<td>768 408</td>
<td>744 419</td>
<td>-23 990</td>
<td>-3.1%</td>
</tr>
<tr>
<td>Estonia</td>
<td>19 635</td>
<td>19 237</td>
<td>-397</td>
<td>-2.0%</td>
</tr>
<tr>
<td>Ireland**</td>
<td>35 087</td>
<td>34 736</td>
<td>-352</td>
<td>-1.0%</td>
</tr>
<tr>
<td>Greece</td>
<td>76 009</td>
<td>71 104</td>
<td>-4 905</td>
<td>-6.5%</td>
</tr>
<tr>
<td>Spain</td>
<td>229 666</td>
<td>224 915</td>
<td>-4 751</td>
<td>-2.1%</td>
</tr>
<tr>
<td>France</td>
<td>337 788</td>
<td>310 109</td>
<td>-27 679</td>
<td>-8.2%</td>
</tr>
<tr>
<td>Croatia</td>
<td>16 004</td>
<td>14 996</td>
<td>-1 008</td>
<td>-6.3%</td>
</tr>
<tr>
<td>Italy</td>
<td>353 643</td>
<td>329 171</td>
<td>-24 472</td>
<td>-6.9%</td>
</tr>
<tr>
<td>Cyprus</td>
<td>5 204</td>
<td>5 387</td>
<td>184</td>
<td>3.5%</td>
</tr>
<tr>
<td>Latvia</td>
<td>6 108</td>
<td>6 028</td>
<td>-79</td>
<td>-1.3%</td>
</tr>
<tr>
<td>Lithuania</td>
<td>10 738</td>
<td>10 971</td>
<td>233</td>
<td>2.2%</td>
</tr>
<tr>
<td>Luxembourg</td>
<td>9 582</td>
<td>8 992</td>
<td>-589</td>
<td>-6.2%</td>
</tr>
<tr>
<td>Hungary</td>
<td>39 173</td>
<td>38 233</td>
<td>-940</td>
<td>-2.4%</td>
</tr>
<tr>
<td>Malta</td>
<td>2 419</td>
<td>2 479</td>
<td>60</td>
<td>2.5%</td>
</tr>
<tr>
<td>Netherlands</td>
<td>152 423</td>
<td>141 896</td>
<td>-10 527</td>
<td>-6.9%</td>
</tr>
<tr>
<td>Austria</td>
<td>51 765</td>
<td>49 976</td>
<td>-1 790</td>
<td>-3.5%</td>
</tr>
<tr>
<td>Poland</td>
<td>301 593</td>
<td>285 616</td>
<td>-15 978</td>
<td>-5.3%</td>
</tr>
<tr>
<td>Portugal</td>
<td>44 671</td>
<td>42 121</td>
<td>-2 550</td>
<td>-5.7%</td>
</tr>
<tr>
<td>Romania</td>
<td>63 745</td>
<td>62 893</td>
<td>-852</td>
<td>-1.3%</td>
</tr>
<tr>
<td>Slovenia</td>
<td>14 128</td>
<td>12 837</td>
<td>-1 291</td>
<td>-9.1%</td>
</tr>
<tr>
<td>Slovakia</td>
<td>27 564</td>
<td>23 666</td>
<td>-3 898</td>
<td>-14.1%</td>
</tr>
<tr>
<td>Finland</td>
<td>45 437</td>
<td>45 739</td>
<td>303</td>
<td>0.7%</td>
</tr>
<tr>
<td>Sweden</td>
<td>41 155</td>
<td>41 236</td>
<td>80</td>
<td>0.2%</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>436 589</td>
<td>398 489</td>
<td>-38 100</td>
<td>-8.7%</td>
</tr>
</tbody>
</table>

* Provisional data as provided directly by Member States.
** Include some Eurostat estimates.

1. CO₂ emissions resulting from the combustion of non-renewable waste are not included.
3. These early estimates are based on monthly energy statistics. More information about the method used to calculate early CO₂ emission estimates can be found on the Eurostat website: [http://ec.europa.eu/eurostat/documents/38154/43500/MethodCO2.pdf/1a4da156-c65b-4c3a-b2fd-c80061d2acc8](http://ec.europa.eu/eurostat/documents/38154/43500/MethodCO2.pdf/1a4da156-c65b-4c3a-b2fd-c80061d2acc8)

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