Summary of GHG Emissions for Lithuania

Base year (Convention) = 1990

### Emissions, in Gg CO₂ equivalent

<table>
<thead>
<tr>
<th></th>
<th>1990</th>
<th>2000</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO₂ emissions without LULUCF</td>
<td>35,785.5</td>
<td>11,833.8</td>
<td>14,182.5</td>
</tr>
<tr>
<td>CO₂ net emissions/removals by LULUCF</td>
<td>-4,344.0</td>
<td>-9,448.6</td>
<td>-8,124.4</td>
</tr>
<tr>
<td>CO₂ emissions without LULUCF</td>
<td>31,441.6</td>
<td>2,385.3</td>
<td>6,058.1</td>
</tr>
<tr>
<td>GHG emissions without LULUCF</td>
<td>48,721.3</td>
<td>19,632.7</td>
<td>21,622.8</td>
</tr>
<tr>
<td>GHG net emissions/removals by LULUCF</td>
<td>-4,293.5</td>
<td>-9,387.2</td>
<td>-8,076.6</td>
</tr>
<tr>
<td>GHG net emissions/removals with LULUCF</td>
<td>44,427.8</td>
<td>10,245.5</td>
<td>13,546.1</td>
</tr>
</tbody>
</table>

### Changes in emissions, in per cent

<table>
<thead>
<tr>
<th></th>
<th>From 1990 to 2000</th>
<th>From 2000 to 2012</th>
<th>From 1990 to 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO₂ emissions without LULUCF</td>
<td>-66.9</td>
<td>19.8</td>
<td>-60.4</td>
</tr>
<tr>
<td>CO₂ net emissions/removals by LULUCF</td>
<td>117.5</td>
<td>-14.0</td>
<td>87.0</td>
</tr>
<tr>
<td>CO₂ emissions without LULUCF</td>
<td>-92.4</td>
<td>154.0</td>
<td>80.7</td>
</tr>
<tr>
<td>GHG emissions without LULUCF</td>
<td>-59.7</td>
<td>10.1</td>
<td>-58.6</td>
</tr>
<tr>
<td>GHG net emissions/removals by LULUCF</td>
<td>118.6</td>
<td>-14.0</td>
<td>88.1</td>
</tr>
<tr>
<td>GHG net emissions/removals with LULUCF</td>
<td>-76.9</td>
<td>32.2</td>
<td>-69.5</td>
</tr>
</tbody>
</table>

### Average annual growth rates, in per cent per year

<table>
<thead>
<tr>
<th></th>
<th>From 1990 to 2000</th>
<th>From 2000 to 2012</th>
<th>From 1990 to 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO₂ emissions without LULUCF</td>
<td>-10.5</td>
<td>1.5</td>
<td>-4.1</td>
</tr>
<tr>
<td>CO₂ net emissions/removals by LULUCF</td>
<td>8.1</td>
<td>-1.3</td>
<td>2.9</td>
</tr>
<tr>
<td>CO₂ emissions without LULUCF</td>
<td>-22.7</td>
<td>8.1</td>
<td>-7.2</td>
</tr>
<tr>
<td>GHG emissions without LULUCF</td>
<td>-9.7</td>
<td>9.8</td>
<td>-3.9</td>
</tr>
<tr>
<td>GHG net emissions/removals by LULUCF</td>
<td>8.1</td>
<td>-1.2</td>
<td>2.9</td>
</tr>
<tr>
<td>GHG net emissions/removals with LULUCF</td>
<td>-13.6</td>
<td>2.4</td>
<td>-5.3</td>
</tr>
</tbody>
</table>

### Change in GHG emissions/removals from 1990 to 2012, %

<table>
<thead>
<tr>
<th>Year</th>
<th>Energy industries</th>
<th>Mfg. industries and construction</th>
<th>Transport</th>
<th>Other sectors</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990 (without LULUCF)</td>
<td>-63.60</td>
<td>-77.9</td>
<td>-75.7</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>1990 (with LULUCF)</td>
<td>-67.5</td>
<td>-39.3</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2012 (without LULUCF)</td>
<td>-67.5</td>
<td>-39.3</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2012 (with LULUCF)</td>
<td>-67.5</td>
<td>-39.3</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

### GHG emissions by gas

**1990 (without LULUCF)**
- CO₂: 73.45%
- CH₄: 14.11%
- N₂O: 11.80%
- HFCs+PFCs+SF₆: 0.00%

**2012 (without LULUCF)**
- CO₂: 65.59%
- CH₄: 14.11%
- N₂O: 11.80%
- HFCs+PFCs+SF₆: 0.00%

**1990 (with LULUCF)**
- CO₂: 70.77%
- CH₄: 12.95%
- N₂O: 16.28%
- HFCs+PFCs+SF₆: 0.00%

**2012 (with LULUCF)**
- CO₂: 44.72%
- CH₄: 22.53%
- N₂O: 30.94%
- HFCs+PFCs+SF₆: 1.13%

### GHG emissions by sector (without LULUCF)

**1990**
- Energy: 67.02%
- Industrial Processes: 9.15%
- Solvents: 0.41%
- Agriculture: 21.12%
- Waste: 2.30%
- Other: 0.00%

**2012**
- Energy: 54.97%
- Industrial Processes: 16.78%
- Solvents: 0.33%
- Agriculture: 22.45%
- Waste: 4.47%
- Other: 0.00%
Breakdown of GHG emissions within the energy sector

1990

- 1.A.1. Energy industries: 41.49%
- 1.A.2. Man., industries and construction: 17.63%
- 1.A.3. Transport: 22.88%
- 1.A.4. Other sectors: 17.54%
- 1.B. Fugitive emissions: 0.46%
- 1.A.5. Other: 0.00%

2012

- 1.A.1. Energy industries: 37.06%
- 1.A.2. Man., industries and construction: 10.70%
- 1.A.3. Transport: 38.18%
- 1.A.4. Other sectors: 11.72%
- 1.B. Fugitive emissions: 2.25%
- 1.A.5. Other: 0.00%

Breakdown of GHG emissions within the industrial processes sector

1990

- 2.A. Mineral Products: 48.05%
- 2.B. Chemical Industry: 51.26%
- 2.C. Metal Production: 0.48%
- 2.D. Other Production: 0.21%
- 2.E. Production of Halocarbons and SF6: 0.00%
- 2.F. Consumption of Halocarbons and SF6: 0.00%
- 2.G. Other: 0.00%

2012

- 2.A. Mineral Products: 12.55%
- 2.B. Chemical Industry: 80.37%
- 2.C. Metal Production: 0.08%
- 2.D. Other Production: 0.24%
- 2.E. Production of Halocarbons and SF6: 0.00%
- 2.F. Consumption of Halocarbons and SF6: 6.75%
- 2.G. Other: 0.00%

Breakdown of GHG emissions within the agriculture sector

1990

- 4.A. Enteric Fermentation: 31.36%
- 4.B. Manure Management: 19.23%
- 4.C. Rice Cultivation: 0.00%
- 4.D. Agricultural Soils: 49.41%
- 4.D. Other: 0.05%
- 4.E. Prescribed Burning of Savannas: 0.00%

2012

- 4.A. Enteric Fermentation: 31.36%
- 4.B. Manure Management: 19.23%
- 4.C. Rice Cultivation: 0.00%
- 4.D. Agricultural Soils: 61.36%
- 4.D. Other: 0.05%
- 4.E. Prescribed Burning of Savannas: 0.00%
- 4.F. Field Burning of Agricultural Residues: 0.00%
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- 4.F. Prescribed Burning of Savannas: 0.00%
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- 4.F. Field Burning of Agricultural Soils: 0.00%
- 4.F. Field Burning of Agricultural Residues: 0.00%
Breakdown of GHG emissions/removals within the LULUCF sector, (Gg CO₂ equivalent)

- 1990
  - 5.A Forest Land: -7803.1
  - 5.B Cropland: 1765.2
  - 5.C Grassland: 338.5
  - 5.D Wetlands: 88.5
  - 5.E Settlements: 0.0
  - 5.F Other Land: 0.0
  - 5.G Other: 0.0

- 2012
  - 5.A Forest Land: -1294.7
  - 5.B Cropland: 3136.2
  - 5.C Grassland: -1833.5
  - 5.D Wetlands: 278.6
  - 5.E Settlements: 139.1
  - 5.F Other Land: 0.0
  - 5.G Other: 0.0

Breakdown of GHG emissions within the waste sector

- 1990
  - 6.A Solid Waste Disposal on Land: 76.9%
  - 6.B Wastewater Handling: 22.6%
  - 6.C Waste Incineration: 0.4%
  - 6.D Other: 0.0%

- 2012
  - 6.A Solid Waste Disposal on Land: 81.7%
  - 6.B Wastewater Handling: 18.1%
  - 6.C Waste Incineration: 0.0%
  - 6.D Other: 0.0%