### Emissions Summary for Ghana

#### Emissions, in Gg CO₂ equivalent

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>CO₂ emissions without LUCF</td>
<td>2,861.8</td>
<td>6,297.7</td>
<td>7,847.2</td>
</tr>
<tr>
<td>CO₂ net emissions/removals by LUCF</td>
<td>-26,457.5</td>
<td>-3,737.4</td>
<td>2,812.3</td>
</tr>
<tr>
<td>GHG emissions without LUCF</td>
<td>-23,595.7</td>
<td>2,560.3</td>
<td>10,459.5</td>
</tr>
<tr>
<td>GHG net emissions/removals by LUCF</td>
<td>9,228.2</td>
<td>14,302.4</td>
<td>18,227.0</td>
</tr>
<tr>
<td>GHG emissions without LUCF</td>
<td>-26,052.2</td>
<td>-1,089.6</td>
<td>5,566.1</td>
</tr>
<tr>
<td>GHG net emissions/removals with LUCF</td>
<td>-16,824.0</td>
<td>13,212.8</td>
<td>23,793.1</td>
</tr>
</tbody>
</table>

#### Changes in emissions, in per cent

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>CO₂ emissions without LUCF</td>
<td>120.1</td>
<td>24.6</td>
<td>174.2</td>
</tr>
<tr>
<td>CO₂ net emissions/removals by LUCF</td>
<td>-85.9</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GHG emissions without LUCF</td>
<td>308.5</td>
<td>27.4</td>
<td>97.5</td>
</tr>
<tr>
<td>GHG net emissions/removals by LUCF</td>
<td>-95.8</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>CO₂ emissions without LUCF</td>
<td>8.2</td>
<td>3.7</td>
<td>6.5</td>
</tr>
<tr>
<td>CO₂ net emissions/removals by LUCF</td>
<td>-17.8</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GHG emissions without LUCF</td>
<td>4.5</td>
<td>4.1</td>
<td>4.3</td>
</tr>
<tr>
<td>GHG net emissions/removals by LUCF</td>
<td>-27.2</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

#### Total GHG emissions, without and with LUCF

**GHG emissions (without LUCF)**

**GHG emissions (with LUCF)**
Change in GHG emissions/removals from 1990 to 2006, %

<table>
<thead>
<tr>
<th>Sector</th>
<th>1990 (without LUCF)</th>
<th>2006 (without LUCF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy</td>
<td>183.1</td>
<td>1681.7</td>
</tr>
<tr>
<td>1.A.1. Energy industries</td>
<td>150.0</td>
<td>101.6</td>
</tr>
<tr>
<td>1.A.2. Man. industries and construction</td>
<td>149.2</td>
<td>0.0</td>
</tr>
<tr>
<td>1.A.3. Transport</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>1.A.4. Other sectors</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>1.A.5. Other</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>1.B. Fugitive emissions</td>
<td>-71.5</td>
<td>0.0</td>
</tr>
<tr>
<td>2. Industrial Processes</td>
<td>44.3</td>
<td>257.1</td>
</tr>
<tr>
<td>3. Solvents</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>4. Agriculture</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>5. LUCF</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>6. Waste</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>7. Other</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

GHG emissions by gas

1990 (without LUCF)

- CO2: 31.07%
- CH4: 32.57%
- N2O: 30.49%
- HFCs+PFCs+SF6: 5.03%
- N2O: 30.49%
- CH4: 11.11%
- Energy: 35.34%
- Industrial Processes: 9.08%
- Solvents: 0.00%
- Agriculture: 48.70%
- Waste: 6.88%
- Other: 0.00%

2006 (without LUCF)

- CO2: 43.05%
- CH4: 35.22%
- N2O: 21.73%
- HFCs+PFCs+SF6: 0.00%
- N2O: 22.96%
- CH4: 33.14%
- Energy: 50.66%
- Industrial Processes: 1.34%
- Solvents: 0.00%
- Agriculture: 35.57%
- Waste: 12.43%
- Other: 0.00%

1990 (with LUCF)

- CO2: 31.07%
- CH4: 32.57%
- N2O: 30.49%
- HFCs+PFCs+SF6: 5.03%
- N2O: 9.39%
- CH4: 11.11%
- Energy: 35.34%
- Industrial Processes: 9.08%
- Solvents: 0.00%
- Agriculture: 48.70%
- Waste: 6.88%
- Other: 0.00%

2006 (with LUCF)

- CO2: 43.05%
- CH4: 35.22%
- N2O: 21.73%
- HFCs+PFCs+SF6: 0.00%
- N2O: 22.96%
- CH4: 33.14%
- Energy: 50.66%
- Industrial Processes: 1.34%
- Solvents: 0.00%
- Agriculture: 35.57%
- Waste: 12.43%
- Other: 0.00%
Breakdown of GHG emissions within the energy sector

1990

- 1.A.1. Energy industries: 4.14%
- 1.A.2. Man. industries and construction: 14.02%
- 1.A.3. Transport: 47.46%
- 1.A.4. Other sectors: 34.38%
- 1.A.5. Other: 0.00%

2006

- 1.A.1. Energy industries: 26.03%
- 1.A.2. Man. industries and construction: 9.91%
- 1.A.3. Transport: 33.79%
- 1.A.4. Other sectors: 30.27%
- 1.A.5. Other: 0.00%

Breakdown of GHG emissions within the industrial processes sector

1990

- 2.A. Mineral Products: 53.30%
- 2.B. Chemical Industry: 0.00%
- 2.C. Metal Production: 46.70%
- 2.D. Other Production: 0.00%
- 2.E. Production of Halocarbons and SF6: 0.00%
- 2.F. Consumption of Halocarbons and SF6: 0.00%
- 2.G. Other: 0.00%

2006

- 2.A. Mineral Products: 53.30%
- 2.B. Chemical Industry: 0.00%
- 2.C. Metal Production: 46.70%
- 2.D. Other Production: 0.00%
- 2.E. Production of Halocarbons and SF6: 0.00%
- 2.F. Consumption of Halocarbons and SF6: 0.00%
- 2.G. Other: 0.00%

Breakdown of GHG emissions within the agriculture sector

1990

- 4.A. Enteric Fermentation: 30.28%
- 4.B. Manure Management: 4.45%
- 4.C. Rice Cultivation: 9.16%
- 4.D. Agricultural Soils: 55.88%
- 4.E. Prescribed Burning of Savannas: 0.00%
- 4.F. Field Burning of Agricultural Residues: 0.23%

2006

- 4.A. Enteric Fermentation: 26.95%
- 4.B. Manure Management: 2.43%
- 4.C. Rice Cultivation: 16.19%
- 4.D. Agricultural Soils: 54.41%
- 4.E. Prescribed Burning of Savannas: 0.00%
- 4.F. Field Burning of Agricultural Residues: 0.38%
- 4.G. Other: 0.00%
Breakdown of GHG emissions/removals within the LUCF sector, (Gg CO₂ equivalent)

1990

-33713.0

5.A Changes in Forest and Other Woody Biomass Stocks

5.B Forest and Grassland Conversion

5.C Abandonment of Managed Lands

5.D CO₂ Emissions and Removals from Soil

5.E Other

2006

-68956.2

5.A Changes in Forest and Other Woody Biomass Stocks

5.B Forest and Grassland Conversion

5.C Abandonment of Managed Lands

5.D CO₂ Emissions and Removals from Soil

5.E Other

Breakdown of GHG emissions within the waste sector

1990

6.A Solid Waste Disposal on Land 61.34%

6.B Wastewater Handling 38.06%

6.C Waste Incineration 0.00%

6.D Other 0.00%

2006

6.A Solid Waste Disposal on Land 72.09%

6.B Wastewater Handling 27.91%

6.C Waste Incineration 0.00%

6.D Other 0.00%