

1996

year - 2000	CO2 emissions (Gg)	CO2 removals (Gg)	CH4 (1) (Gg)	N2O (1) (Gg)	CO (Gg)	Nox(2) (Gg)	NMVOcs (Gg)	SOx (Gg)
GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO2	CO2	CH4	N2O	CO	NOx	NMVOcs	SOx
Total national emissions and removals	<b>52,232</b>	<b>-370.00</b>	<b>425.97</b>	<b>6.12</b>	<b>478.18</b>	<b>219.90</b>	<b>247.42</b>	<b>281.13</b>
<b>1. Energy</b>	<b>50,344.00</b>		<b>3.55</b>	<b>0.58</b>	<b>477.70</b>	<b>219.90</b>	<b>157.98</b>	<b>262.00</b>
A. Fuel combustion (sectoral approach)	50,344.00		3.55	0.58	477.7	219.90	157.98	262.00
1. Energy industries	28,466.00		0.57	0.36	5.96	86.38	1.64	190.71
2. Manufacturing industries and construction	6,720.00		0.23	0.07	1.15	27.84	0.57	45.57
3. Transport	11,031.00		2.18	0.12	469.44	99.92	155.48	12.61
4. Other sectors								
Commercial, institutional residential sectors	3,520.00		0.49	0.03	0.98	4.90	0.25	10.52
Agriculture, forestry and fishing	607.00		0.09	0.01	0.17	0.85	0.04	2.60
5. Other (please specify)								
B. Fugitive emissions from fuels								
1. Solid fuels								
2. Oil and natural gas								
<b>2. Industrial processes</b>	<b>1,888.30</b>				<b>0.48</b>		<b>89.44</b>	<b>19.14</b>
A. Mineral products	1,796.30							
CEMENT PRODUCTION								1.01
PRODUCTION OF LIME								
SODA ASH USE								
ROAD PAVING WITH ASPHALT							85.77	
Container Glass								
B. Chemical industry								
NITRIC ACID PRODUCTION					0.48			
Ethylene								
PRODUCTION OF OTHER CHEMICALS	92.00						3.67	0.00
Sulphuric Acid								18.13
C. Metal production								
D. Other production								
E. Production of halocarbons and sulphur hexafluoride								
F. Consumption of halocarbons and sulphur hexafluoride								
G. Other (please specify)								
<b>3. Solvent and other product use</b>								
<b>4. Agriculture</b>			<b>42.42</b>	<b>5.54</b>				
A. Enteric fermentation								
B. Manure management								
C. Rice cultivation								
D. Agricultural soils								
E. Prescribed burning of savannahs								
F. Field burning of agricultural residues								
G. Other (please specify)								
<b>5. Land-use change and forestry</b>		<b>-370.00</b>						
A. Changes in forest and other woody biomass stocks		-370.00						
B. Forest and grassland conversion								
C. Abandonment of managed lands								
D. CO2 emissions and removals from soil								
E. Other (please specify)								
<b>6. Waste</b>			<b>380.00</b>					
A. Solid waste disposal on land			370.00					
B. Waste-water handling			10.00					
C. Waste incineration								
D. Other (please specify)								
7. Other (please specify)								
<b>Memo items</b>								
<b>International bunkers</b>	<b>2,207.00</b>		<b>0.03</b>	<b>0.06</b>	<b>6.46</b>	<b>13.70</b>	<b>2.11</b>	<b>6.01</b>
Aviation	1,924.00		0.01	0.05	2.72	8.10	1.36	3.66
Marine	283.00		0.02	0.00	3.74	5.60	0.75	2.35
CO2 emissions from biomass								

(1) Emissions from Agriculture include also emissions from Industrial processes due to confidentiality limitations

(2) Emissions from Manufacturing industries and construction (Energy) include also emissions from Industrial processes (non-energy) due to confidentiality limitations

2000

year - 2000	CO2 emissions (Gg)	CO2 removals (Gg)	CH4 (1) (Gg)	N2O (1) (Gg)	CO (Gg)	Nox(2) (Gg)	NMVOCs (Gg)	SOx (Gg)
<b>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</b>	<b>CO2</b>	<b>CO2</b>	<b>CH4</b>	<b>N2O</b>	<b>CO</b>	<b>NOx</b>	<b>NMVOCs</b>	<b>SOx</b>
Total national emissions and removals	<b>61,403</b>	<b>-396.00</b>	<b>439.31</b>	<b>7.11</b>	<b>375.90</b>	<b>237.18</b>	<b>239.20</b>	<b>283.94</b>
<b>1. Energy</b>	<b>58,917.13</b>		<b>3.47</b>	<b>0.69</b>	<b>375.90</b>	<b>237.18</b>	<b>155.69</b>	<b>264.44</b>
A. Fuel combustion (sectoral approach)	58,917.13		3.47	0.69	375.90	237.18	155.69	264.44
1. Energy industries	36,411.76		0.73	0.47	7.64	110.72	2.10	209.14
2. Manufacturing industries and construction	6,911.73		0.25	0.08	1.27	30.06	0.63	46.39
3. Transport	14,018.35		2.25	0.14	366.54	94.10	152.85	4.76
4. Other sectors								
Commercial, institutional residential sectors	378.80 838.01		0.05 0.12	0.00 0.01	0.11 0.25	0.55 1.25	0.03 0.06	1.83 0.33
Agriculture, forestry and fishing	358.47		0.05	0.00	0.10	0.50	0.02	2.00
5. Other (please specify)								
B. Fugitive emissions from fuels								
1. Solid fuels								
2. Oil and natural gas								
<b>2. Industrial processes</b>	<b>2,303.03</b>						<b>83.51</b>	<b>19.50</b>
A. Mineral products	2,303.03							
CEMENT PRODUCTION								1.30
PRODUCTION OF LIME								
SODA ASH USE								
ROAD PAVING WITH ASPHALT							78.40	
Container Glass							0.77	
B. Chemical industry								
NITRIC ACID PRODUCTION								
Ethylene								
PRODUCTION OF OTHER CHEMICALS							4.34	
Sulphuric Acid								18.20
C. Metal production								
D. Other production								
E. Production of halocarbons and sulphur hexafluoride								
F. Consumption of halocarbons and sulphur hexafluoride								
G. Other (please specify)								
<b>3. Solvent and other product use</b>								
<b>4. Agriculture</b>			<b>44.01</b>	<b>5.82</b>				
A. Enteric fermentation								
B. Manure management								
C. Rice cultivation								
D. Agricultural soils								
E. Prescribed burning of savannahs								
F. Field burning of agricultural residues								
G. Other (please specify)								
<b>5. Land-use change and forestry</b>	<b>183.33</b>	<b>-396.00</b>						
A. Changes in forest and other woody biomass stocks		-396.00						
B. Forest and grassland conversion								
C. Abandonment of managed lands								
D. CO2 emissions and removals from soil	183.33							
E. Other (please specify)								
<b>6. Waste</b>			<b>391.83</b>	<b>0.60</b>				
A. Solid waste disposal on land			381.84					
B. Waste-water handling			9.99	0.60				
C. Waste incineration								
D. Other (please specify)								
7. Other (please specify)								
<b>Memo items</b>								
<b>International bunkers</b>	<b>2,780.97</b>		<b>0.05</b>	<b>0.07</b>	<b>9.61</b>	<b>19.28</b>	<b>2.90</b>	<b>9.27</b>
Aviation	2,297.79		0.02	0.06	3.25	9.74	1.62	4.37
Marine	483.18		0.03	0.00	6.36	9.55	1.27	4.90
CO2 emissions from biomass								

(1) Emissions from Agriculture include also emissions from Industrial processes due to confidentiality limitations

(2) Emissions from Manufacturing industries and construction (Energy) include also emissions from Industrial processes (non-energy) due to confidentiality limitations

2003

year - 2003	CO2 emissions (Gg)	CO2 removals (Gg)	CH4 (1) (Gg)	N2O (1) (Gg)	CO (Gg)	Nox(2) (Gg)	NMVOcs (Gg)	SOx (Gg)
<b>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</b>								
<b>Total national emissions and removals</b>	<b>64,233.63</b>	<b>-392.90</b>	<b>270.95</b>	<b>8.41</b>	<b>283.55</b>	<b>209.30</b>	<b>247.09</b>	<b>273.55</b>
<b>1. Energy</b>	<b>62,070.58</b>		<b>3.36</b>	<b>0.73</b>	<b>283.55</b>	<b>209.30</b>	<b>158.68</b>	<b>239.28</b>
A. Fuel combustion (sectoral approach)								
1. Energy industries	40,155.12		0.72	0.53	8.47	114.82	2.28	192.76
2. Manufacturing industries and construction	6,124.75		0.16	0.05	0.79	16.67	0.39	40.98
3. Transport	14,626.18		2.31	0.14	273.56	76.06	155.84	3.21
4. Other sectors								
Commercial, institutional residential sectors	495.85 548.17		0.07 0.09	0.00 0.01	0.14 0.17	0.72 0.85	0.04 0.04	2.10 0.13
Agriculture, forestry and fishing	120.51		0.02	0.00	0.42	0.18	0.09	0.11
5. Other (please specify)								
B. Fugitive emissions from fuels								
1. Solid fuels								
2. Oil and natural gas								
<b>2. Industrial processes</b>	<b>2,056.43</b>						<b>88.42</b>	<b>34.27</b>
A. Mineral products	2,056.43							
CEMENT PRODUCTION								1.13
PRODUCTION OF LIME								
SODA ASH USE								
ROAD PAVING WITH ASPHALT							83.20	
Container Glass							1.01	
B. Chemical industry								
NITRIC ACID PRODUCTION								
Ethylene								
PRODUCTION OF OTHER CHEMICALS							4.21	
Sulphuric Acid								33.14
C. Metal production								
D. Other production								
E. Production of halocarbons and sulphur hexafluoride								
F. Consumption of halocarbons and sulphur hexafluoride								
G. Other (please specify)								
<b>3. Solvent and other product use</b>								
<b>4. Agriculture</b>			<b>39.96</b>	<b>7.00</b>				
A. Enteric fermentation								
B. Manure management								
C. Rice cultivation								
D. Agricultural soils								
E. Prescribed burning of savannahs								
F. Field burning of agricultural residues								
G. Other (please specify)								
<b>5. Land-use change and forestry</b>	<b>106.63</b>	<b>-392.90</b>						
A. Changes in forest and other woody biomass stocks		-392.90						
B. Forest and grassland conversion								
C. Abandonment of managed lands								
D. CO2 emissions and removals from soil	106.63							
E. Other (please specify)								
<b>6. Waste</b>			<b>227.62</b>	<b>0.68</b>				
A. Solid waste disposal on land			201.19					
B. Waste-water handling			26.43	0.68				
C. Waste incineration								
D. Other (please specify)								
7. Other (please specify)								
<b>Memo items</b>								
<b>International bunkers</b>	<b>2,631</b>		<b>0.07</b>	<b>0.06</b>	<b>13.62</b>	<b>24.23</b>	<b>3.48</b>	<b>12.04</b>
Aviation	1,790		0.01	0.05	2.53	7.58	1.26	3.40
Marine	841		0.06	0.01	11.09	16.64	2.22	8.64
CO2 emissions from biomass								

(1) Emissions from Agriculture include also emissions from Industrial processes due to confidentiality limitations

(2) Emissions from Manufacturing industries and construction (Energy) include also emissions from Industrial processes (non-energy) due to confidentiality limitations

year - 2004	CO2 emissions (Gg)	CO2 removals (Gg)	CH4 (1) (Gg)	N2O (1) (Gg)	CO (Gg)	Nox(2) (Gg)	NMVOCs (Gg)	SOx (Gg)
<b>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</b>	<b>CO2</b>	<b>CO2</b>	<b>CH4</b>	<b>N2O</b>	<b>CO</b>	<b>NOx</b>	<b>NMVOCs</b>	<b>SOx</b>
Total national emissions and removals	<b>64,270.69</b>	<b>-382.56</b>	<b>288.94</b>	<b>8.82</b>	<b>263.41</b>	<b>202.06</b>	<b>228.79</b>	<b>255.92</b>
<b>1. Energy</b>	<b>62,043.85</b>		<b>3.32</b>	<b>0.72</b>	<b>263.41</b>	<b>202.06</b>	<b>159.64</b>	<b>223.43</b>
A. Fuel combustion (sectoral approach)	62,043.85		3.32	0.72	263.41	202.06	159.64	223.43
1. Energy industries	40,664.68		0.68	0.53	8.95	116.43	2.36	179.47
2. Manufacturing industries and construction	5,900.96		0.15	0.04	0.76	16.18	0.38	39.16
3. Transport	14,320.34		2.32	0.14	253.04	67.71	156.75	2.34
4. Other sectors								
Commercial, institutional residential sectors	501.54 540.83		0.07 0.08	0.00 0.01	0.14 0.17	0.72 0.84	0.04 0.04	2.24 0.14
Agriculture, forestry and fishing	115.50		0.02	0.00	0.35	0.18	0.07	0.09
5. Other (please specify)								
B. Fugitive emissions from fuels								
1. Solid fuels								
2. Oil and natural gas								
<b>2. Industrial processes</b>	<b>2,120.21</b>						<b>69.15</b>	<b>32.48</b>
A. Mineral products	2,120.21							
CEMENT PRODUCTION								1.17
PRODUCTION OF LIME								
SODA ASH USE								
ROAD PAVING WITH ASPHALT							65.15	
Container Glass							1.04	
B. Chemical industry								
NITRIC ACID PRODUCTION								
Ethylene								
PRODUCTION OF OTHER CHEMICALS							2.97	
Sulphuric Acid								31.31
C. Metal production								
D. Other production								
E. Production of halocarbons and sulphur hexafluoride								
F. Consumption of halocarbons and sulphur hexafluoride								
G. Other (please specify)								
<b>3. Solvent and other product use</b>								
<b>4. Agriculture</b>			<b>40.38</b>	<b>7.40</b>				
A. Enteric fermentation								
B. Manure management								
C. Rice cultivation								
D. Agricultural soils								
E. Prescribed burning of savannahs								
F. Field burning of agricultural residues								
G. Other (please specify)								
<b>5. Land-use change and forestry</b>	<b>106.63</b>	<b>-382.56</b>						
A. Changes in forest and other woody biomass stocks		-382.56						
B. Forest and grassland conversion								
C. Abandonment of managed lands								
D. CO2 emissions and removals from soil	106.63							
E. Other (please specify)								
<b>6. Waste</b>			<b>245.24</b>	<b>0.71</b>				
A. Solid waste disposal on land			218.44					
B. Waste-water handling			26.80	0.71				
C. Waste incineration								
D. Other (please specify)								
7. Other (please specify)								
<b>Memo items</b>								
<b>International bunkers</b>	<b>2,732</b>		<b>0.06</b>	<b>0.06</b>	<b>12.17</b>	<b>22.54</b>	<b>3.29</b>	<b>11.83</b>
Aviation	2,025		0.01	0.06	2.86	8.58	1.43	3.85
Marine	707		0.05	0.01	9.31	13.96	1.86	7.98
CO2 emissions from biomass								

(1) Emissions from Agriculture include also emissions from Industrial processes due to confidentiality limitations

(2) Emissions from Manufacturing industries and construction (Energy) include also emissions from Industrial processes (non-energy) due to confidentiality limitations



				2005			
<b>International bunkers</b>	<b>2,933</b>	<b>0.07</b>	<b>0.07</b>	<b>14.28</b>	<b>25.80</b>	<b>3.73</b>	<b>13.41</b>
Aviation	2,069	0.01	0.06	2.92	8.77	1.46	3.93
Marine	864	0.06	0.01	11.36	17.04	2.27	9.48
CO2 emissions from biomass							

(1) Emissions from Agriculture include also emissions from Industrial processes due to confidentiality limitations

(2) Emissions from Manufacturing industries and construction (Energy) include also emissions from Industrial processes (non-energy) due to confidentiality limitations



				2006			
<b>International bunkers</b>	<b>3,117</b>	<b>0.07</b>	<b>0.07</b>	<b>13.86</b>	<b>25.68</b>	<b>3.75</b>	<b>12.71</b>
Aviation	2,310	0.02	0.07	3.26	9.79	1.63	4.39
Marine	807	0.05	0.01	10.59	15.89	2.12	8.32
CO2 emissions from biomass							

(1) Emissions from Agriculture include also emissions from Industrial processes due to confidentiality limitations

(2) Emissions from Manufacturing industries and construction (Energy) include also emissions from Industrial processes (non-energy) due to confidentiality limitations



		2007					
<b>International bunkers</b>	<b>3,460</b>	<b>0.09</b>	<b>0.08</b>	<b>17.30</b>	<b>31.03</b>	<b>4.48</b>	<b>15.01</b>
Aviation	2,400	0.02	0.07	3.39	10.17	1.70	4.56
Marine	1,060	0.07	0.01	13.91	20.86	2.78	10.45
CO2 emissions from biomass							

(1) Emissions from Agriculture include also emissions from Industrial processes due to confidentiality limitations

(2) Emissions from Manufacturing industries and construction (Energy) include also emissions from Industrial processes (non-energy) due to confidentiality limitations