

Table 1: Topography of emissions among the top emitters

| | Annex II | Annex I, but not Annex II | NICs | RIDCs | IgDCs | LDCs |
|--|--|--|--|--|--|---|
| Analytical basis | Defined in the Convention, includes the most highly industrialised countries | Defined in the Convention, includes less highly industrialised countries | Highest among NAI (without LDC) in terms of an index of potential, responsibility and capability | Less high on the index, but GDP growth over the last decade > 2% and high income relatively to other NAI | NAI (without LDC and NIC) with GDP growth < 2% and/or low income relatively to other NAI | Defined by UN |
| Total GHG emissions, 2000 (in Mt CO ₂ equiv.) - Sum: - Top five: | 13,622 USA: 6,932 Japan: 1,334 Germany: 972 Canada: 714 U.K.: 662 [EU (15): 3,978] | 3,829 Russia: 1,905 Ukraine: 522 Poland: 375 Czech Rep.: 143 Romania: 135 | 1,714 Korea (South): 526 Saudi Arabia: 330 Uzbekistan: 181 Kazakhstan: 159 Unit. Arab. Em.: 108 | 8,695 China: 4,967 Brazil: 841 Mexico: 511 Iran: 439 South Africa: 413 | 4,095 India: 1,854 Indonesia: 495 Pakistan: 285 Venezuela: 241 Egypt: 178 | 945 Bangladesh: 122 Sudan: 100 Myanmar: 82 Cambodia: 69 Ethiopia: 63 |

Note: NIC: newly industrialized developing countries; RIDs: rapidly industrializing developing countries; IgDC: Industrializing developing countries; LDC: least developed countries. Modified from Ott et al (2004).

Table 2: Criteria for differentiating countries

| | Annex II | Annex I, but not Annex II | NICs | RIDCs | IgDCs | LDCs |
|--|--|---|--|---|--|--|
| Potential to mitigate CO₂/GDP, 2000 , (in t CO ₂ / Mill. US \$) | | | | | | |
| - average (Range) | 476 (210 - 706) <i>Medium</i> | 1090 (385 - 1,768) <i>Very high</i> | 908 (481- 2,325) <i>High</i> | 567 (109 – 867) <i>Medium</i> | 424 (86 - 1,833) <i>Medium</i> | 134 (17 - 1,015) <i>Low</i> |
| GHG/capita, 2000 (in t CO ₂ equiv.) | | | | | | |
| - average (Range) | 15.9 (7.1 - 24.9) <i>Very high</i> | 10.0 (4.4 - 14.0) <i>High</i> | 12.0 (4.5 - 67.9) <i>High</i> | 4.3 (1.3 - 19.8) <i>Medium</i> | 2.1 (1.0 - 11.5) <i>Low</i> | 1.5 (0.2 - 5.7) <i>Low</i> |
| CO₂ emissions growth 1991-2000 (in %) | | | | | | |
| - average (Range) | 1.2 (-3.3 - +4.1) <i>Narrow range</i> | -3.6 (-8.4 - +4.6) <i>Medium range</i> | 2.7 (-7.6 - 17.5) <i>Wide range</i> | 3.6 (-6.9 - +12.0) <i>Wide range</i> | 3.8 (-11.6 - +11.2) <i>Wide range</i> | 4.5 (-10.5 - +21.8) <i>Wide range</i> |
| Responsibility to mitigate, Cumulative CO₂/capita, 1990-2000 (in t CO ₂) | | | | | | |
| - average (range) | 134.9 (58.4 - 240.2) <i>Very high</i> | 95.4 (29.1 - 151.2) <i>High</i> | 92.3 (26.7 - 521.8) <i>High</i> | 27.4 (8.4 - 84.6) <i>Low</i> | 10.1 (2.2 - 80.0) <i>Low</i> | 1.4 (0.1 - 12.3) <i>Very low</i> |
| Capability to mitigate, GDP/capita, 2000 (in '000US \$-PPP) | | | | | | |
| - Average (range) | 27,5 (16,5 - 53,4) | 7,0 (4.0 - 16,5) | 10,7(1,7 - 23,7) | 5,0 (3,7 - 20,3) | 2,6 (0.9 - 8,9) | 1,2(0.5- 5,7) |

| | <i>Very high</i> | <i>Medium</i> | <i>Medium</i> | <i>Medium</i> | <i>Low</i> | <i>Very low</i> |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| HDI, 2000 | | | | | | |
| - average | 0.93 (0.88 - 0.94) | 0.81 (0.75 - 0.88) | 0.81 (0.73 – 0.90) | 0.77 (0.57 - 0.88) | 0.65 (0.43 - 0.81) | 0.46 (0.28 - 0.74) |
| (range) | <i>Very high</i> | <i>High</i> | <i>High</i> | <i>Medium</i> | <i>Medium</i> | <i>Low</i> |

PI: “Potential Index” (equally weighting GHG emissions per capita and CO₂/GDP); HDI data for Bosnia & Herzegovina are as of 2001; No HDI data available for Afghanistan, Cook Islands, Iraq, Kiribati, Korea (North), Liberia, Nauru, Niue, Palau, Serbia & Montenegro, Tonga; No emissions/GDP data available in WRI (2003) for Somalia and Tuvalu (both LDC) and Liechtenstein and Monaco (both Annex II); Source: Modified from Ott et al, 2004).

Table 3: Who Should Commit What?

| | | |
|---------------------------|-------------|--|
| Annex II | → → | binding (strict) absolute reduction targets, domestic reduction high direct payments to non-Annex I |
| Annex I, but not Annex II | → → | binding absolute reduction targets, domestic reduction low / no payments to non-Annex I |
| NICs | → → → | absolute limitation or reduction targets, domestic reduction* qualitative commitments some financial transfers from Annex II |
| RIDCs | → → → | absolute limitation targets (conditional to funding)* qualitative commitments high direct payments from Annex II |
| IgDCs | → → → | no quantified commitments qualitative commitments direct payments from Annex II |
| LDCs | → → → | no quantified commitments qualitative commitments direct payments from Annex II |