

**Information on climate change in South Africa:
greenhouse gas emissions and mitigation options**

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TOPIC 2

**How do South African emissions compare
with those of other countries?**

Emission rankings – international comparisons

Figures 1 to 6 compare South Africa's annual, cumulative, per capita and per GDPppp emissions with various countries and regions around the world, while Table 1 shows where South Africa is ranked in terms of GHG emissions based on various indicators. All the emission information used in this section was obtained from CAIT.

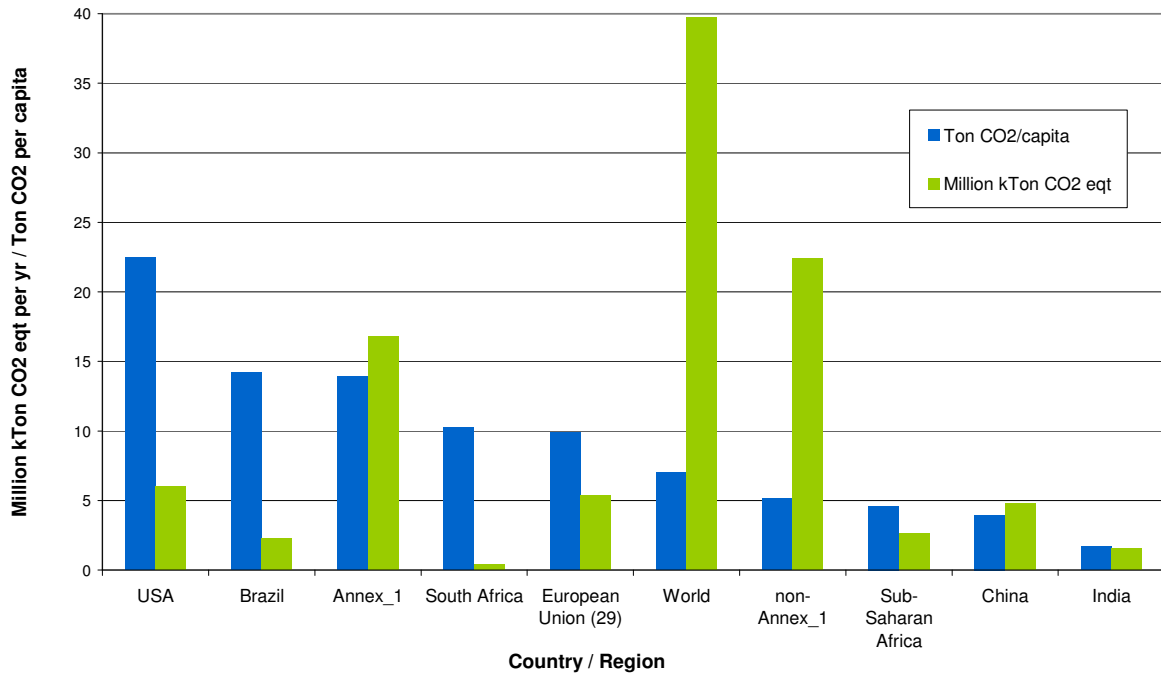


Figure 1: Comparison of South Africa's 1995 annual and per capita emissions with other countries and regions

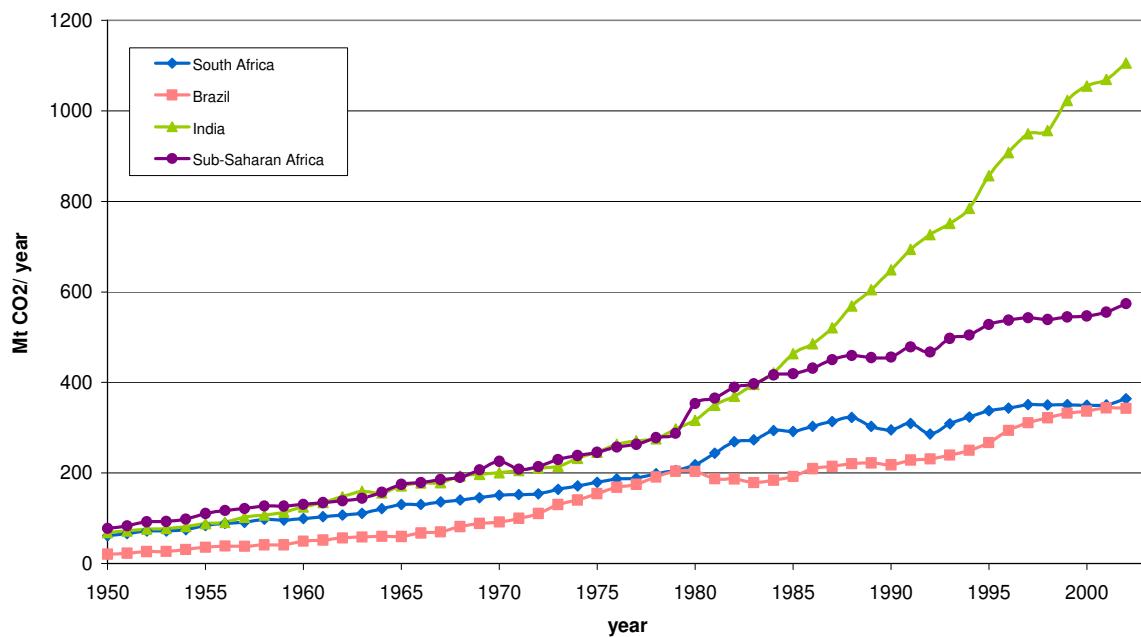


Figure 2: Comparison of historical annual emissions from energy and cement production, 1950-2002

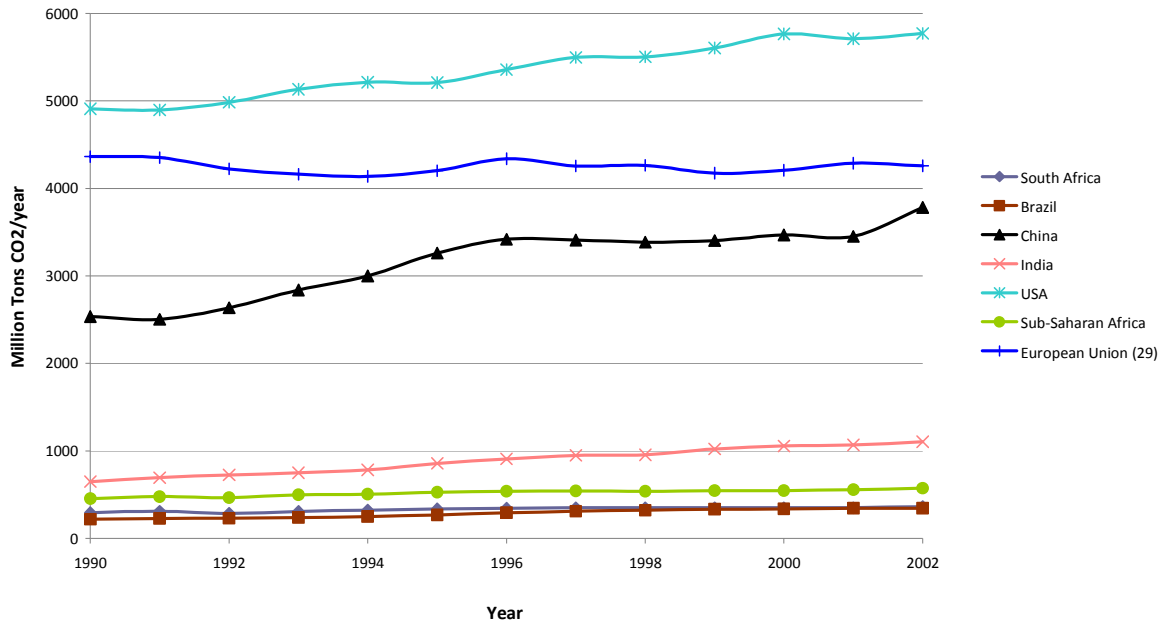


Figure 3: Comparison of annual CO₂ emissions from energy and cement production, 1990-2002

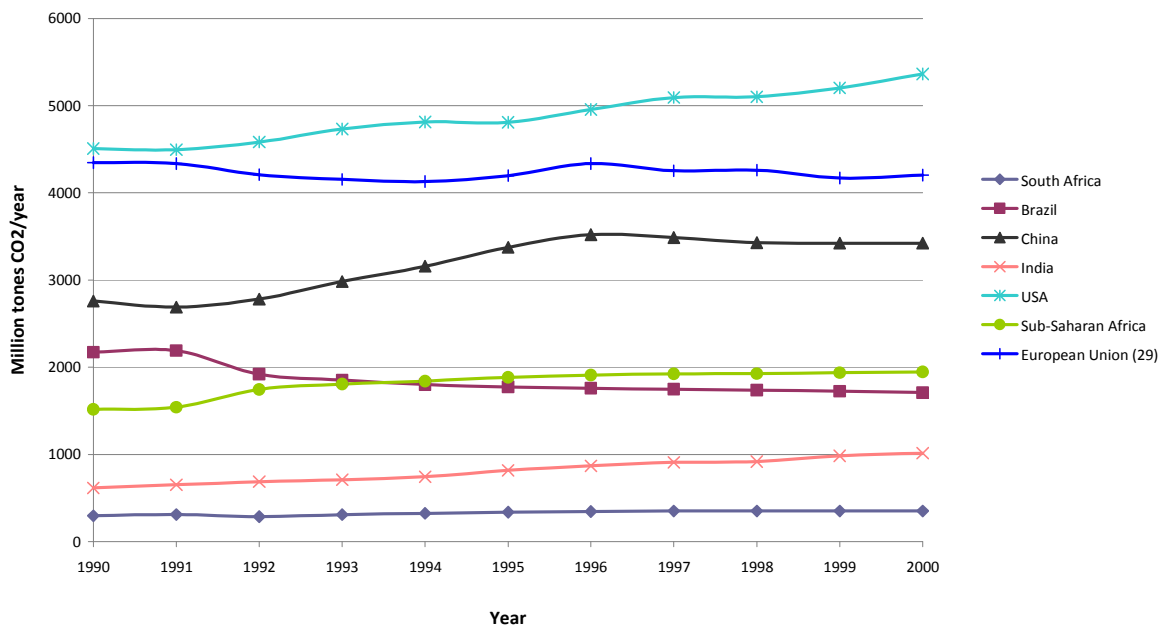


Figure 4: Comparison of annual CO₂ emissions from energy, cement production and LULUCF, 1990-2000

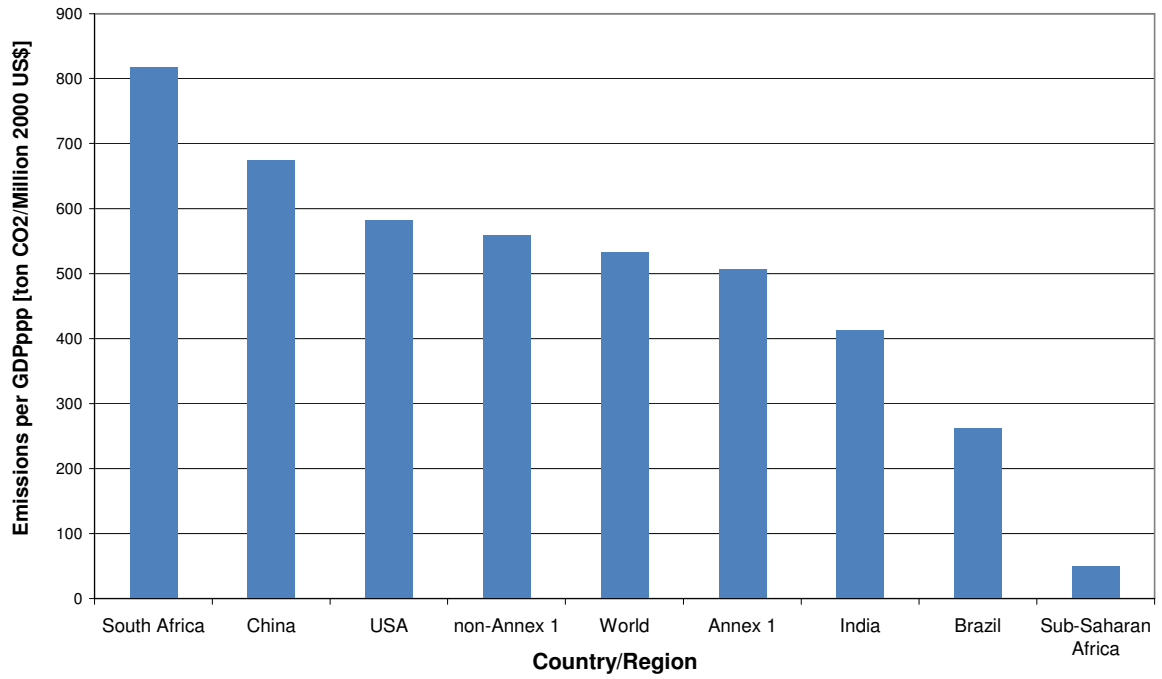


Figure 5: Comparison of 2002 CO₂ emissions per GDPppp (2000 US\$) from energy and cement production

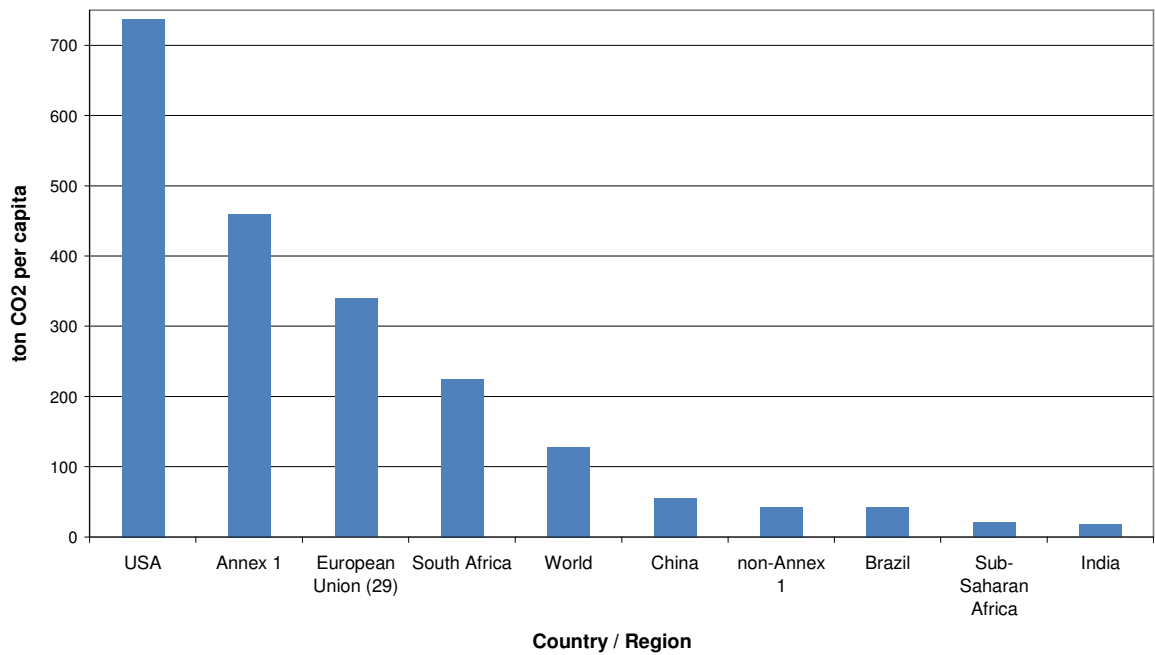


Figure 6: Comparison of cumulative CO₂ emissions per capita from energy and cement production, 1950-2000

Table 1: South Africa's GHG emissions world ranking by indicator

	<i>Rank by emissions</i>	<i>Rank by emissions per capita</i>
Cumulative emissions 1950-2000, only energy CO ₂	14	46
Cumulative emissions 1950-2000, CO ₂ energy and LULUCF	21	63
Annual emissions 2000, CO ₂ only, no LULUCF, i.e. energy CO ₂	14	39
Annual emissions 2000, CO ₂ only, with LULUCF	18	54
Annual emissions 2000, six gases, no LULUCF	19	47
Annual emissions 2000, six gases, with LULUCF	21	63
Annual emissions 2000, three gases, no LULUCF	19	47
Annual emissions 2000, three gases, with LULUCF	21	65

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