Table 1. Anthropogenic CO_2 budget for the anthropocene (1800 to 1994) and for the decades of the 1980s and 1990s.

CO_2 sources and sinks	1800 to 1994 (Pg C)*	1980 to 1999 (Pg C)¶
Constrained sources and sinks		
(1) Emissions from fossil fuel and cement production	244† ± 20	117 ± 5
(2) Storage in the atmosphere	−165‡ ± 4	−65 ± 1
(3) Uptake and storage in the ocean	−118§ ± 19	−37 ± 8
Inferred net terrestrial balance		
(4) Net terrestrial balance = [−(1) − (2) − (3)]	39 ± 28	−15 ± 9
Terrestrial balance		
(5) Emissions from land-use change	100 to 180‖	24 ± 12
(6) Terrestrial biosphere sink = [−(1) − (2) − (3)] − (5)	−61 to −141	−39 ± 18

*Errors as estimated by respective sources; errors of sums and differences are calculated by quadratic error propagation. †From (*19*), with an error estimate of ±8%. ‡Calculated from the change in atmospheric PCO_2 (1800: 281 ± 2 ppm; 1994: 359 ± 0.4 ppm). §This study includes anthropogenic CO_2 storage in marginal seas and the Arctic Ocean. ‖Based on (*2*); see text for details. ¶From (*23*), integrated for the period 1980 to 1999.