



CGD Emissions Inventory - 2006/2011

GHG Emissions by emission source⁽¹⁾

This inventory has been prepared in accordance with the guidelines of The Greenhouse Gas Protocol (GHG Protocol).

The GHG inventory has been prepared by CGD since 2006, to characterise and monitor the evolution of consumption, and hence, of GHG emissions over the years. Thus, it is possible to identify areas where the reduction measures that have been implemented have actually been successful.

This inventory has been prepared in accordance with the guidelines of The Greenhouse Gas Protocol (GHG Protocol), developed by the World Business Council for Sustainable Development (WBCSD) in cooperation with the World Resources Institute. This is currently the most recognised international standard for the preparation of corporate emissions inventories.

	(tCO ₂ e)					
	2006	2007	2008	2009	2010	2011
Scope 1 - Direct Emissions from CGD Activities						
Fuel consumption on CGD's facilities	124	52	38	115	100	104
Fuel consumption by CGD's own fleet	2 782	3 204	3 704	3 909	3 974	4 058
F-gas leaks in facilities' equipment	65	86	197	157	214	285
Total Scope 1	3 061	3 342	3 940	4 181	4 288	4 426
Scope 2 - Indirect Emissions from Electricity Production						
Electricity consumption on CGD's facilities ⁽²⁾						
Central Buildings	24 564	23 662	23 050	16 703	14 481	16 759
Commercial Network ⁽³⁾	24 006	24 717	25 395	19 202	14 210	14 046
Total Scope 2	48 570	48 379	48 445	35 905	28 691	30 805
Scope 3 - Other Indirect Emissions from CGD Activities						
Business trips in third-party vehicles	1 816	1 654	1 921	2 181	2 622	1 505
Treatment of waste produced in CGD's facilities ⁽⁴⁾	206	209	220	48	95	61
Total Scope 3	2 022	1 863	2 141	2 229	2 718	1 566
Total	53 653	53 584	54 526	42 316	53 791	36 798

Notes:

(1) The results include the six GHG covered by the Kyoto Protocol.

(2) Electricity consumption on CGD's premises accounts for the consumption of electricity associated with the DataCenter currently at the Head-Office Building.

(3) The emissions for 2006 and 2007 were estimated based on the electricity consumption values obtained through the kWh/m² ratio observed in 2008, and on the size of the Commercial Network in each individual year.

(4) The emissions associated with waste treatment only cover the waste produced in the Head-Office Building.