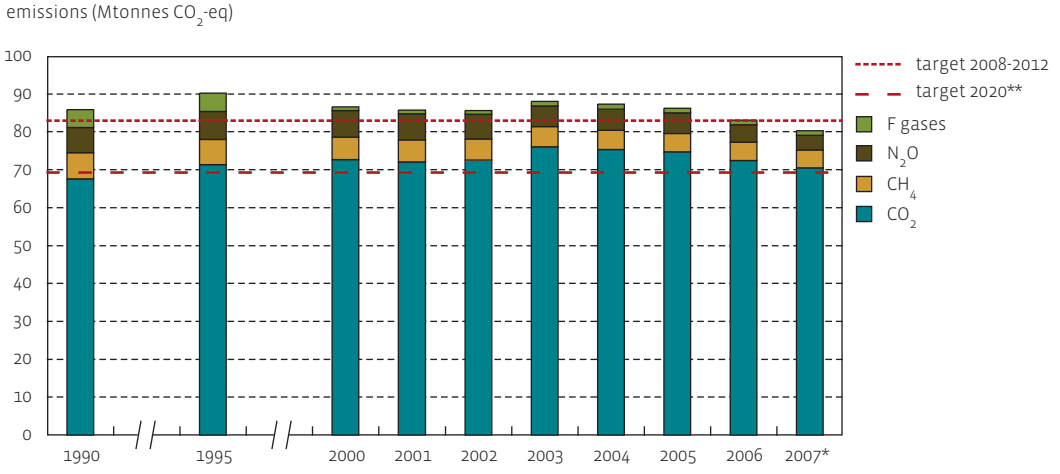
Emission of greenhouse gases by gas

DPSIR



* provisional figures

** indicative: common European target to reduce greenhouse gas emissions by 20 % between 1990 and 2020

Source: MIRA based on EIL (VMM)

Flanders dives under Kyoto target

During the distribution of the Belgian Kyoto target it was agreed that Flanders would reduce its annual emissions of CO_2, CH_4, N_2O and F gases (SF_6, HFCs and PFHs) in the period 2008-2012 by 5.2 % compared to 1990, to a ceiling of 82.463 Mtonnes CO_2-eq. In 2007, the emissions to be taken into account for assessing that target came to 79.7 Mtonnes or 3.4 % under the target for the years 2008-2012. In 2003, Flanders was still 6.4 % above that target.

Further investments in energy savings still needed

The major decrease in greenhouse gas emissions in Flanders between 2003 and 2007 is mainly the result of:

- the introduction of catalytic converters in nitric acid production (chemical industry);
- milder climate conditions. The impact of energy-saving investments in houses still seems to be insufficient: due to the outside climate, the heating demand in 2007 was 18 % lower than in 2003, while the emissions related to domestic heating decreased by only 16 %;
- the simultaneous (more efficient) generation of electricity & heat in CHP installations and increasing power production from renewable energy sources.

Continuing attention for a more efficient energy consumption will be needed in order to stay under the Kyoto target even in more severe winters.

greenhouse gas emissions (ktonnes CO_2-eq)	1990	1995	2000	2005	2006	2007*
CO_2	67 537	71 399	72 681	74 692	72 453	70 478
CH_4	6 922	6 571	5 938	4 922	4 802	4 731
N_2O	6 658	7 431	6 979	5 441	4 630	3 911
HFCs	..	262	553	902	965	989
PFHs	..	2 335	361	142	153	153
SF_6	..	2 165	94	57	45	45
all gases together	*85 878*	*90 163*	*86 606*	*86 157*	*83 048*	*80 307*
total to test against the Kyoto target	85 897	90 037	86 356	85 872	82 310	79 688