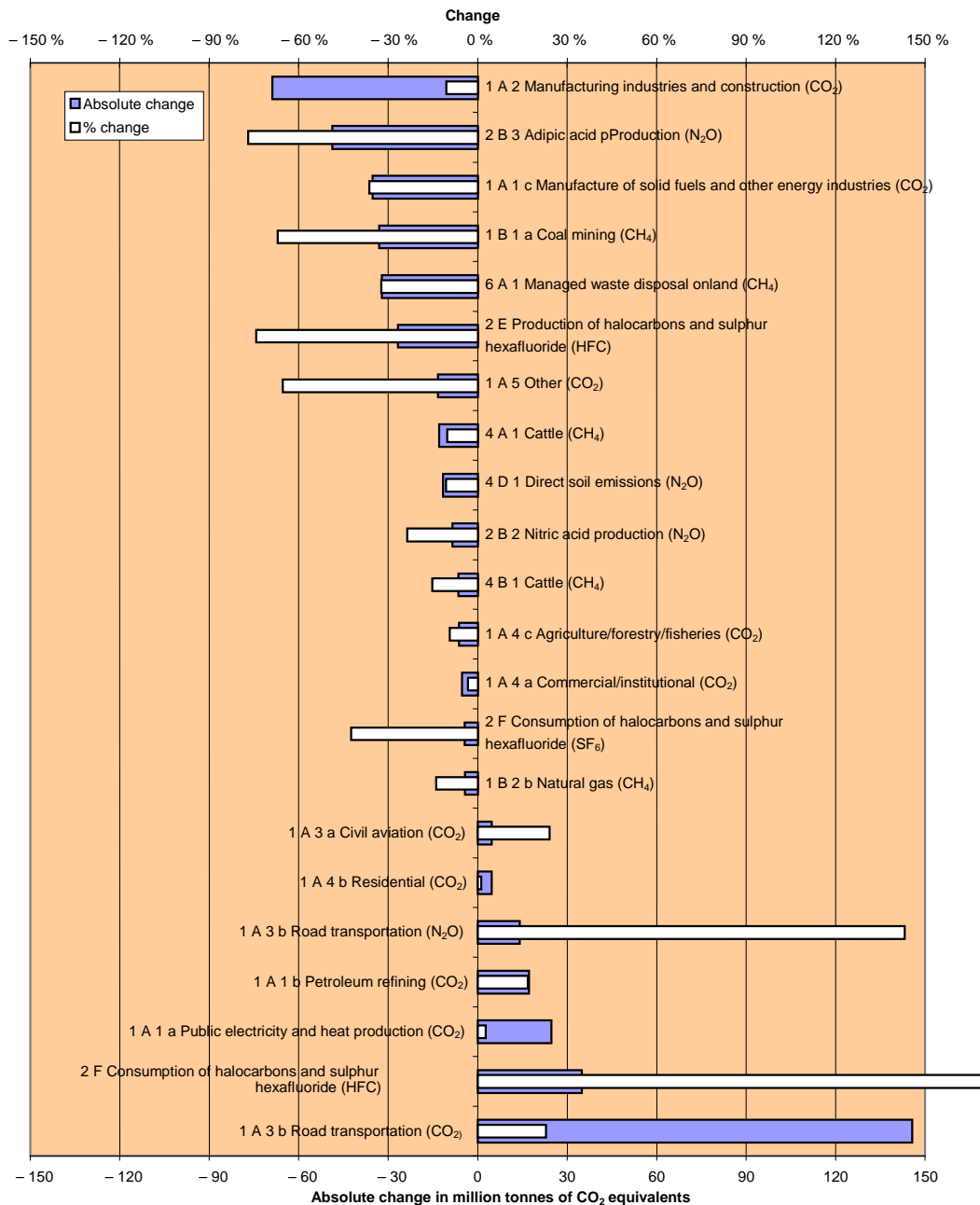


# Annex 3 Summary of EU-15 greenhouse gas emission trends and projections

**Figure A3 1 Absolute and relative changes of EU key source emissions from the base year to 2002**



**Note:** Includes the EU key sources with changes of more than +/- 4 million tonnes of CO<sub>2</sub> equivalent; excludes emissions and removals from LUCF.

**Source:** EEA, 2004.

**Table A3 1 EU and Member States' greenhouse gas emission trends and targets (burden-sharing) for 2008–12**

	Base year (Mt CO <sub>2</sub> )	GHG emissions 2002 (Mt CO <sub>2</sub> )	Change 2001–2002 (%)	Change 2002 relative to base year (%)	EU burden- sharing (%)	Distance to target indicator (index points)
Austria	78.0	84.6	+ 0.3	+8.5	– 13.0	+ 16.3 (+ 10.9)
Belgium	146.8	150.0	+ 0.5	+ 2.1	– 7.5	+ 6.6 (+ 5.6)
Denmark	69.0	68.5	– 1.2	– 0.8	– 21.0	+ 11.8 (+ 8.6)
Finland	76.8	82.0	+ 1.7	+ 6.8	0.0	+ 6.8
France	564.7	553.9	– 1.4	– 1.9	0.0	– 1.9
Germany	1 253.3	1 016.0	– 1.1	– 18.9	– 21.0	– 6.3
Greece	107.0	135.4	+ 0.3	+ 26.5	+ 25.0	+ 11.5
Ireland	53.4	68.9	– 1.6	+ 28.9	+ 13.0	+ 21.1 (+ 17.0)
Italy	508.0	553.8	– 0.1	+ 9.0	– 6.5	+ 12.9
Luxembourg	12.7	10.8	+ 10.4	– 15.1	– 28.0	+ 1.7 (– 12.4)
Netherlands	212.5	213.8	– 1.1	+ 0.6	– 6.0	+ 4.2 (– 1.4)
Portugal	57.9	81.6	+4.1	+ 41.0	+ 27.0	+ 24.8
Spain	286.8	399.7	+ 4.2	+ 39.4	+ 15.0	+ 30.4
Sweden	72.3	69.6	+ 2.0	– 3.7	+ 4.0	– 6.1
United Kingdom	746.0	634.8	– 3.3	– 14.9	– 12.5	– 7.4
<b>Total EU-15</b>	<b>4 245.2</b>	<b>4 123.3</b>	<b>– 0.5</b>	<b>– 2.9</b>	<b>– 8.0</b>	<b>+ 1.9 (+ 1.4)</b>

**Note:** For the fluorinated gases, the EU-15 base-year emission is the sum of 15 Member States' base-year emissions. A total of 13 Member States have indicated to select 1995 as base year under the Kyoto Protocol; Finland and France indicate to use 1990. Therefore, the EU-15 base-year estimates for fluorinated gas emissions are the sum of 1995 emissions for 13 Member States and 1990 emissions for Finland and France. For Austria, Belgium, Denmark, Ireland, Luxembourg, the Netherlands and the EU-15, the distance to the target indicator including Kyoto mechanisms is included in brackets.

**Source:** EEA, 2004.

**Table A3 2 EU-15 and Member States' Kyoto Protocol (burden-sharing) targets for 2008–12, compared with emission projections based on existing and additional domestic policies and measures**

	GHG emissions for base year  (Mt CO <sub>2</sub> ) (used for projections assessment)	EU burden-sharing target		With existing policies and measures				With additional policies and measures			
		Commitment  (% of base year)	Emissions limit  (Mt CO <sub>2</sub> ) (derived from base year)	Projections for 2010		Gap between projections and target		Projections for 2010		Gap between projections and target	
				(Mt CO <sub>2</sub> )	(% of base year)	(Mt CO <sub>2</sub> )	(% of base year)	(Mt CO <sub>2</sub> )	(% of base year)	(Mt CO <sub>2</sub> )	(% of base year)
Austria	77.6	- 13.0	67.5	84.4	+ 8.7	+ 16.9	+ 21.7	70.50	- 9.2	+ 2.95	+ 3.8
Belgium	141.0	- 7.5	130.4	150.1	+ 6.5	+ 19.7	+ 14.0	136.3	- 3.3	+ 5.9	+ 4.2
Denmark	69.0	- 21.0	54.5	79.8	+ 15.7	+ 25.3	+ 36.7	no data	no data	no data	no data
Finland	77.2	0.0	77.2	89.9	+ 16.5	+ 12.7	+ 16.5	76.8	- 0.5	- 0.4	- 0.5
France	545.0	0.0	545.0	594.3	+ 9.0	+ 49.3	+ 9.0	536.0	- 1.7	- 9.0	- 1.7
Germany	1 218.2	- 21.0	962.4	977.8	- 19.7	+ 15.4	+ 1.3	no data	no data	no data	no data
Greece	109.3	+ 25.0	136.6	151.4	+ 38.6	+ 14.8	+ 13.6	133.7	+ 22.4	- 2.9	- 2.6
Ireland	53.4	+ 13.0	60.4	69.1	+ 29.4	+ 8.8	+ 16.4	55.3	+ 3.6	- 5.0	- 9.4
Italy	521.0	- 6.5	487.1	540.1	+ 3.7	+ 53.0	+ 10.2	503.2	- 3.4	+ 16.1	+ 3.1
Luxembourg	12.7	- 28.0	9.2	9.9	- 22.4	+ 0.7	+ 5.6	no data	no data	no data	no data
Netherlands	212.0	- 6.0	199.3	219.0	+ 3.3	+ 19.7	+ 9.3	no data	no data	no data	no data
Portugal	65.1	+ 27.0	82.7	99.7	+ 53.1	+ 17.0	+ 26.1	94.9	+ 45.7	+ 12.2	+ 18.7
Spain	207.0	+ 15.0	238.1	307.0	+ 48.3	+ 69.0	+ 33.3	265.0	+ 28.0	+ 27.0	+ 13.0
Sweden	71.9	+ 4.0	74.8	71.8	- 0.2	- 3.0	- 4.2	no data	no data	no data	no data
United Kingdom	744.7	- 12.5	651.6	640.9	- 13.9	- 10.7	- 1.4	577.3	- 22.5	- 74.3	- 10.0
<b>Total EU</b>	<b>4 125.2</b>	<b>- 8.0</b>	<b>3 795.1</b>	<b>4 085.3</b>	<b>- 1.0</b>	<b>+ 290.2</b>	<b>+ 7.0</b>	<b>3 807.4</b>	<b>- 7.7</b>	<b>+ 12.2</b>	<b>+ 0.3</b>

**Note:** For projected emissions, positive figures signify that the target is not met; negative figures mean a projected over-delivery of emissions. Base-year emissions used for projections assessment differ to base-year emissions from the emission inventories in Table A3 17 for some countries. Gaps for total EU in terms of million tonnes of CO<sub>2</sub> equivalent are not equal to the sum of Member States' gaps due to slight inconsistency between the Member States' burden-sharing targets and the EU's Kyoto target in terms of percentages. In order to calculate EU emission 'with additional measures' projections, 'with existing measures' projections are taken for those Member States for which additional measures projections are not available.

**Sources:** Information provided under the EC GHG monitoring mechanism and in third national communications