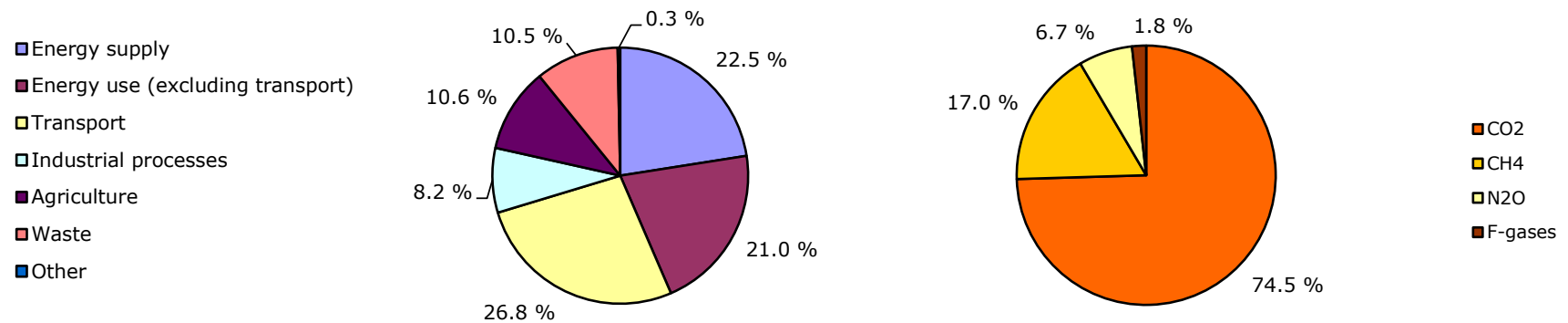


Key GHG data ⁽¹⁾	1990	2008	2009	2010	2011 ⁽²⁾	2012	1990–2011	2010–2011 ⁽²⁾
Average 2008–2012 target under the Kyoto Protocol (Mt CO ₂ -eq.)		76.4	76.4	76.4	76.4	76.4		
Total GHG emissions (Mt CO ₂ -eq.)	60.1	77.8	74.4	70.6	70.0	n.a.	16.5%	-0.9%
GHG from international bunkers ⁽³⁾ (Mt CO ₂ -eq.)	2.9	4.6	4.2	4.3	n.a.	n.a.	n.a.	n.a.
GHG per capita (t CO ₂ -eq. / capita)	6.0	7.3	7.0	6.6	6.6	n.a.	9.5%	-0.9%
GHG per GDP (constant prices) ⁽⁴⁾ (g CO ₂ -eq. / euro)	549	486	478	448	451	n.a.	-17.9%	0.7%
Share of GHG in total EU-27 emissions (%)	1.1 %	1.6 %	1.6 %	1.5 %	1.5 %	n.a.	41.3%	1.7%
EU ETS allocated allowances (free + auctioning)		30.5	30.9	32.5	32.5	n.a.		0.0%
EU ETS verified emissions - all installations ⁽⁵⁾ (Mt CO ₂ -eq.)		29.9	28.3	24.2	25.0	n.a.		3.5%
EU ETS verified emissions - constant scope ⁽⁶⁾ (Mt CO ₂ -eq.)		29.6	27.5	22.7	22.7	n.a.		0.1%
Share of EU ETS verified emissions (all install.) in total GHG (%)		38.5 %	38.0 %	34.2 %	35.7 %	n.a.		4.4%
ETS verified emissions compared to annual allowances ⁽⁷⁾ (%)		98.1%	91.5%	74.4%	77.0%	n.a.		3.5%
GHG emissions in the non-ETS sectors		47.9	46.1	46.4	45.0	n.a.		-3.2%
Equivalent annual target for non-ETS GHG emissions		45.9	45.5	43.9	43.9	n.a.		0.0%

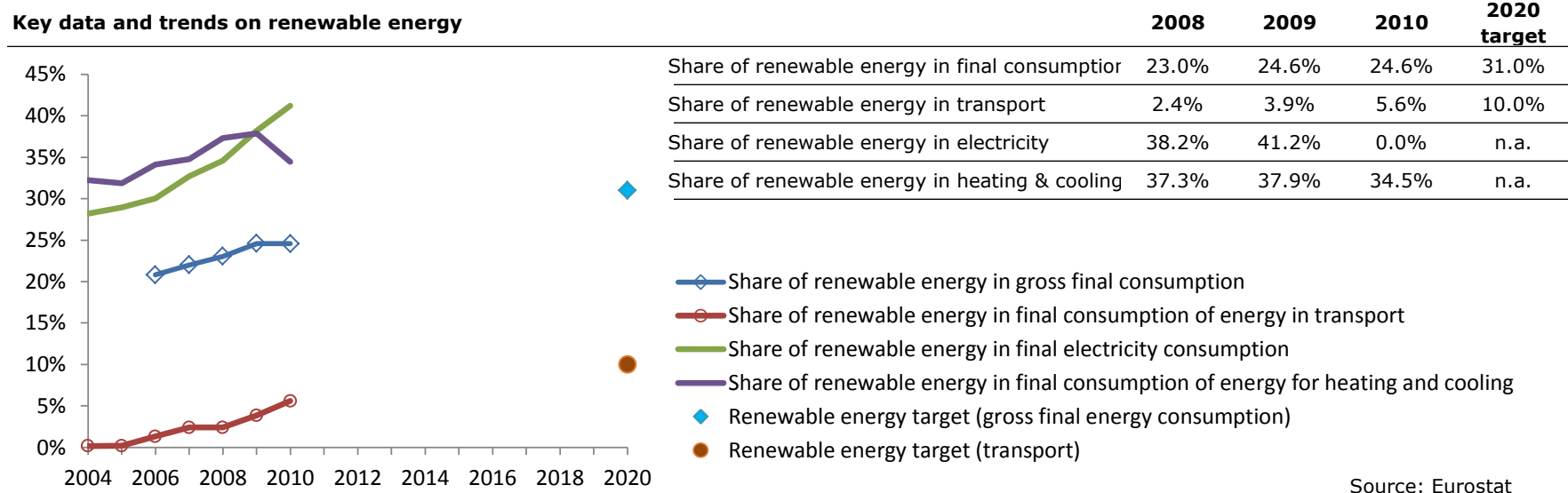
Share of GHG emissions (excluding international bunkers) by main source and by gas in 2010 ⁽¹⁾ ⁽⁸⁾



Assessment of short-term GHG trend (2009–2010)

Portugal was among those few countries with declining emissions between 2009 and 2010 (-5.1%). Emissions mainly declined from public electricity and heat production. Thermal power production declined by 24 % whereas hydro power production increased by more than 80 %.

Key data and trends on renewable energy



Source: Eurostat

Source and additional information

Greenhouse gas emission data and EU ETS data

www.eea.europa.eu/themes/climate/data-viewers

⁽¹⁾ Total greenhouse gas emissions (GHG), GHG per capita, GHG per GDP and shares of GHG do not include emissions and removals from LULUCF (carbon sinks) and emissions from international bunkers.

⁽²⁾ Based on EEA estimate of 2011 emissions.

⁽³⁾ International bunkers: international aviation and international maritime transport.

⁽⁴⁾ Gross domestic product (GDP) in 2005 market prices - not suitable for a ranking or quantitative comparison between countries for the same year. GDP information for the year 1990 is not available for some countries. For this reason, the 'GHG per GDP' values presented in the '1990' column correspond to the following years: 1991 (EU-15, Bulgaria, Germany, Hungary and Malta), 1992 (Slovakia), 1993 (EU-27 and Estonia) and 1995 (Croatia). Source GDP: Annual macro-economic database (AMECO), European Commission, 2012.

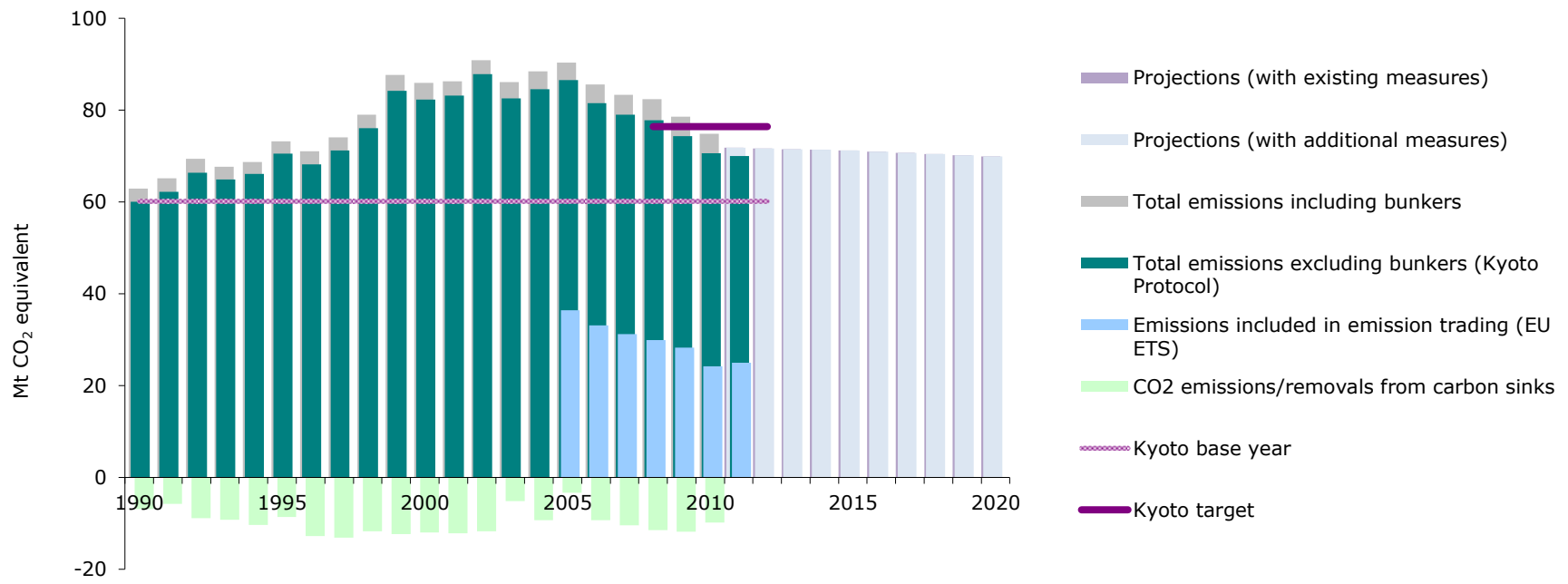
⁽⁵⁾ All installations included. This includes new entrants and closures. Data from the community independent transaction log (CITL) as of 31 July 2012. The CITL regularly receives new information (including delayed verified emissions data, new entrants and closures) so the figures shown may change over time.

⁽⁶⁾ Constant scope: includes only those installations with verified emissions available for 2008, 2009, 2010 and 2011.

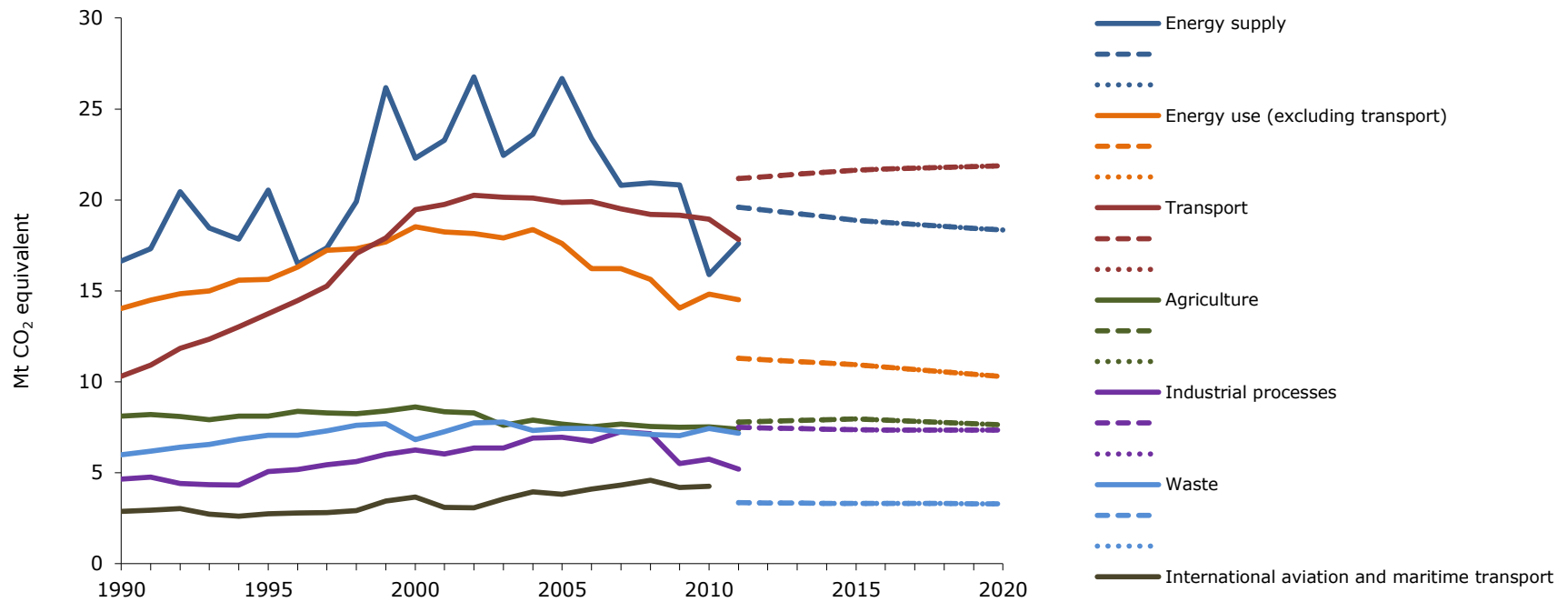
⁽⁷⁾ "+" and "-" mean that verified emissions exceeded allowances or were below allowances, respectively. Annual allowances include allocated allowances and allowances auctioned during the same year.

⁽⁸⁾ LULUCF sector and emissions from international bunkers excluded. Due to independent rounding the sums may not necessarily add up.

GHG trends and projections 1990–2020 – total emissions



GHG trends and projections 1990–2020 – emissions by sector

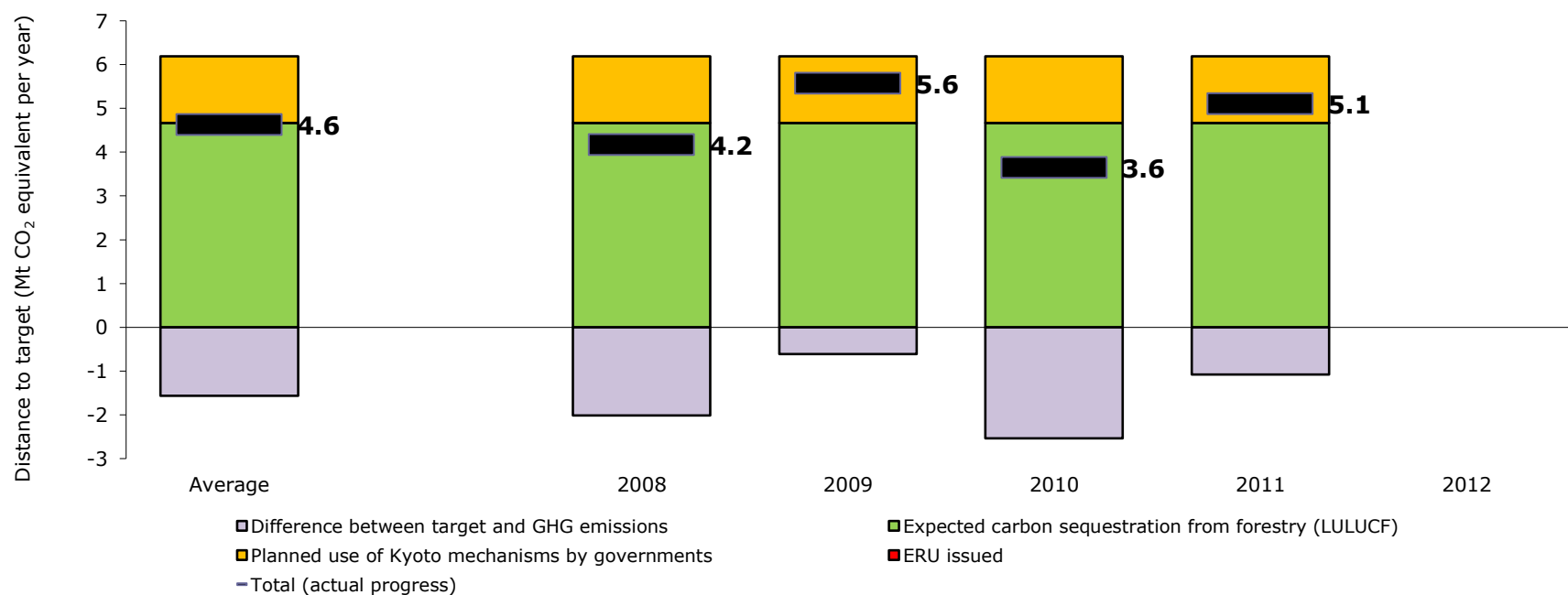


Note: GHG emission projections are represent either through dashed lines (with existing measures) or dotted lines (additional measures).

Source: National GHG inventory report, 2012; EEA proxy estimate of 2011 GHG emissions; Primes–Gains GHG projections, 2010.

Progress towards Kyoto target

Average 2008–2011 emissions in Portugal were 21.7 % higher than the base-year level, well below the Kyoto target of 27 % for the period 2008–2012. However, in the sectors not covered by the EU ETS, emissions were higher than their respective target, by an amount equivalent to 2.6 % of base-year emissions. LULUCF activities are expected to decrease net emissions by an annual amount equivalent to 7.8 % of base-year level emissions. Portugal intends to use the flexible mechanisms at government level by acquiring an amount of Kyoto units equivalent to 2.5 % of base-year emissions per year. Taking all these effects into account, average emissions in the sectors not covered by the EU ETS in Portugal were standing below their target level, by a gap representing 7.7 % of the base-year emissions. Portugal was therefore on track towards its Kyoto target by the end of 2011.



Note: The difference between target and GHG emissions concerns the sectors not covered by the EU ETS. A positive value indicates emissions lower than the average target.