

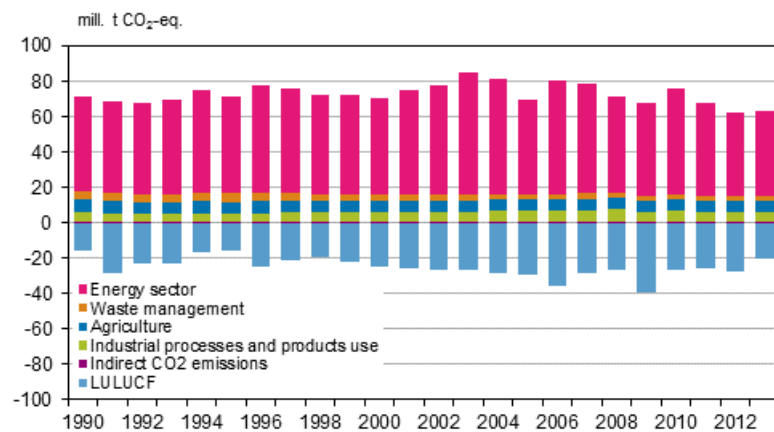
Greenhouse gases

2013

Finland's greenhouse gas emissions 2013 have been reported to EU and UNFCCC

In 2013, Finland's greenhouse gas emissions amounted to 63.1 million tonnes of carbon dioxide (CO₂ eq.). These data are based on the report sent by Statistics Finland to EU and UNFCCC on 30 October 2015 on the revised emissions for 2013. The decrease in total emissions (excluding the LULUCF sector) caused by the revisions was 0.2 per cent compared with the data released in April 2015. The emissions and sinks in the LULUCF sector remained unchanged.

Greenhouse gas emissions and removals in Finland by sector



* Due to changes in the GWP values and reporting guidelines, the figures are not comparable with the figures released prior to 2015.

The revised emission data can be found in [the database table](#), divided regionally as well.

Emissions from sources in the non-emissions trading sector are calculated as the difference between the total emissions, excluding CO₂ emissions from domestic civil aviation according to the inventory, and verified emissions of the emissions trading sector. The data on the verified emissions of the emissions trading sector are published by the Energy Authority. Annual emission allocations for the years 2013 to 2020 have been defined in the EU's effort sharing decision for emissions from the non-emissions trading sector. According to the now released revised data, emissions from the non-emissions trading sector were below the annual emission allocation in 2013.

Greenhouse gas emissions broken down between emissions trading sources and non-emissions trading sectors in 2005 and 2008 to 2013 (million t CO2 eq.)

	2005	2008	2009	2010	2011	2012	2013	Change, 2012–2013
Emissions without LULUCF sector¹⁾²⁾	69.5	71.2	67.5	75.8	68.1	62.4	63.1	0.6
CO2 emissions from civil aviation	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.0
Emissions trading sector emissions ³⁾	33.1	36.2	34.4	41.3	35.1	29.5	31.5	2.0
Non-emissions trading sector emissions ⁴⁾	36.0	34.8	32.9	34.3	32.8	32.7	31.4	-1.3

- 1) Due to changes in the GWP values and reporting guidelines, the figures are not comparable to figures released prior to 2015.
- 2) LULUCF refers to the land use, land use change and forestry sector. The sector does not come under the scope of the emissions trading scheme or the reduction targets of the effort sharing decision.
- 3) Source: Energy Authority. In 2013, the emissions trading sector was expanded with new activities.
- 4) Excluding CO2 emission from domestic civil aviation as calculated in the inventory.

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Revisions in these statistics

The calculation of emissions has changed in 2015 due to the revised, internationally agreed methodological and reporting guidelines for greenhouse gas emissions. Compared with previously published data, Finland's emission level has risen by one to two per cent depending on the year due to the mentioned computational reasons. The changes in the emissions level are influenced, for example, by the revised GWP (global warming potential) values used in commensurating greenhouse gases and the allocation of emissions and the methodological changes made.

Revision of Finland's greenhouse gas emissions. Emissions expressed in million tonnes CO2 equivalent

	Statistical year	Previous release	Latest release	Revision ¹⁾
		15 April 2015	15 Oct 2015	% points
Total emissions	1990	71.6	71.3	-0.3
	2005	69.6	69.5	-0.2
	2008	71.3	71.2	0.0
	2009	67.5	67.5	0.0
	2010	75.8	75.8	0.0
	2011	68.2	68.1	-0.1
	2012	62.5	62.4	0.0
	2013	63.2	63.1	-0.2
Non-emissions trading sector ²⁾	2005	36.1	36.0	-0.3
	2008	34.8	34.8	0.0
	2009	32.9	32.9	0.0
	2010	34.3	34.3	-0.1
	2011	32.8	32.8	-0.1
	2012	32.7	32.7	-0.1
	2013	31.5	31.4	-0.5

1) Change between the latest and previous release.

2) Excluding CO2 emissions from domestic civil aviation.

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Source: Greenhouse gas inventory unit. Statistics Finland