

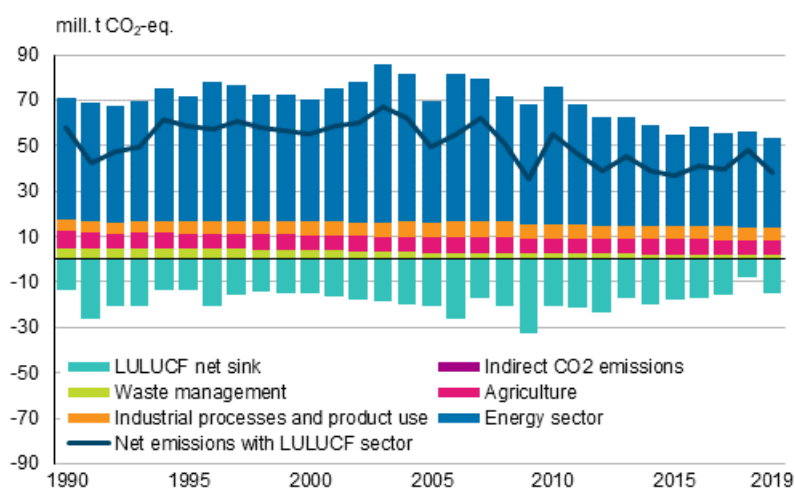
Greenhouse gases

2019

Finland's greenhouse gas emissions 2019 to the EU and the UNFCCC

In 2019, Finland's greenhouse gas emissions without the LULUCF sector amounted to 53.1 million tonnes of carbon dioxide equivalent (mil. t CO₂ eq.), being 18.2 million tonnes less than in the comparison year 1990. These total emissions remained more or less unchanged compared with the preliminary data published in December 2020. Emissions not included in the EU Emissions Trading System (EU ETS) exceeded the annual emission allocations set by the EU by 0.6 million tonnes of CO₂ equivalent. The net sink of the land use, land use change and forestry (LULUCF) sector, that is, the sum of removals and emissions, amounted to -14.7 million tonnes CO₂ equivalent in 2019, but these data are not included in total emissions. The data published now are based on the reporting of emission data to the EU and the United Nations Framework Convention on Climate Change (UNFCCC).

Finland's greenhouse gas emissions and removals by sector (emissions are positive and removals negative figures) and total emissions minus net sinks.



LULUCF refers to the land use, land use change and forestry sector. The estimates of the LULUCF sector for the latest years will be updated in future due to new input data (incl. tree biomass, surface areas)

Revised emission data can be found more specified in the [database table](#).

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Revisions in these statistics

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

| | Statistical reference year | Previous release, 21 December 2020 | Latest release, 19 March 2021 | Change ¹⁾ |
|----------------------------------------------------------------------|----------------------------|------------------------------------|-------------------------------|----------------------|
| | | Mill. t CO ₂ -eq. | | % |
| Total emissions (without LULUCF sector) | 1990 | 71.2 | 71.2 | 0.0 |
| | 2005 | 69.9 | 69.9 | 0.0 |
| | 2010 | 75.7 | 75.7 | 0.0 |
| | 2015 | 55.1 | 55.1 | 0.0 |
| | 2016 | 58.1 | 58.1 | 0.0 |
| | 2017 | 55.3 | 55.3 | 0.0 |
| | 2018 | 56.3 | 56.3 | 0.0 |
| | 2019 | 53.1 ⁴⁾ | 53.1 | 0.0 |
| LULUCF sector ²⁾ | 1990 | -13.6 | -13.5 | -0.1 |
| | 2005 | -20.6 | -20.5 | -0.2 |
| | 2010 | -20.8 | -20.8 | -0.2 |
| | 2015 | -18.0 | -17.9 | -0.1 |
| | 2016 | -17.0 | -16.9 | -0.1 |
| | 2017 | -15.7 | -15.7 | -0.1 |
| | 2018 | -8.2 | -8.2 | -0.2 |
| | 2019 | -14.7 ⁴⁾ | -14.7 | -0.1 |
| Emissions not included in the Emissions Trading System ³⁾ | 2013 | 31.2 | 31.2 | 0.0 |
| | 2014 | 29.8 | 29.8 | 0.0 |
| | 2015 | 29.5 | 29.5 | 0.1 |
| | 2016 | 30.6 | 30.7 | 0.0 |
| | 2017 | 30.0 | 30.0 | 0.0 |
| | 2018 | 29.9 | 29.9 | 0.0 |
| | 2019 | 29.7 ⁴⁾ | 29.6 | 0.0 |

1) Change between the latest and previous releases

2) LULUCF refers to the land use, land use change and forestry sector

3) Excluding CO₂ emissions from domestic civil aviation

4) Preliminary data

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Source: Greenhouse gas inventory unit. Statistics Finland