

Glossary:Greenhouse gas (GHG)

Statistics Explained

Greenhouse gases constitute a group of gases contributing to global warming and [climate change](#) .

The [Kyoto Protocol](#) , an environmental agreement adopted by many of the parties to the [United Nations Framework Convention on Climate Change \(UNFCCC\)](#) in 1997 to curb global warming, nowadays covers seven **greenhouse gases** :

- the non-fluorinated gases:
 - carbon dioxide (CO₂)
 - methane (CH₄)
 - nitrous oxide (N₂O)

- the fluorinated gases:
 - hydrofluorocarbons (HFCs)
 - perfluorocarbons (PFCs)
 - sulphur hexafluoride (SF₆)
 - nitrogen trifluoride (NF₃)

Converting them to **carbon dioxide (or CO₂) equivalents** makes it possible to compare them and to determine their individual and total contributions to global warming.

Further information

- [European Environment Agency - Climate change](#)
- [United Nations Framework Convention on Climate Change \(UNFCCC\)](#)

Related concepts

- [Carbon dioxide emissions](#)
- [Climate change](#)
- [Kyoto Protocol](#)

Statistical data

- [Greenhouse gas emission statistics](#)