

Dataset Information:

Title	Land Use Total
Abstract	Land Use Total contains greenhouse gas (GHG) emissions associated with land management activities. CO ₂ emissions/removals are those estimated from carbon stock changes in above and below-ground biomass pools of forest land, including forest land converted to other land uses. CH ₄ and N ₂ O, and additional CO ₂ emissions, are those estimated from biomass fires, including peatland fires, and from drainage of organic soils. Based on FAOSTAT and FRA activity data as well as on geospatial information analysis, they are computed at Tier 1 and Approach 1 of the 2006 IPCC Guidelines for National GHG Inventories. Estimates are available by country, with global coverage and relative to the period 1990-2016, with annual updates.
Supplemental	This domain contains data on GHG emissions and removals and shares on the total GHG emissions from the different Land use sub-domains. The FAOSTAT Emissions data are estimates by FAO and do not coincide with GHG data reported by Parties to the UNFCCC. The database is intended primarily as a service to help member countries assess and report their emissions, as well as a useful international benchmark. The FAOSTAT Emissions data are disseminated publicly to facilitate continuous feedback from member countries.
Creation Date	2012
Last Update	2019
Data Type	Climate Change - Greenhouse Gases
Category	Agriculture; Environment
Time Period	1990-2016
Periodicity	Annual
Geographical Coverage	World
Spatial Unit	Country
Language	Multilingual (EN, FR, ES)

Methodology and Quality Information:

Methods and processing	<p>Land Use Total contains all the emissions and removals produced in the different Land Use sub-domains. GHG emissions and removals from Forestry and Other Land Use (FOLU) sectors consist of CO₂ and non-CO₂ gases (methane, CH₄, and nitrous oxide, N₂O), produced by aerobic and anaerobic processes, e.g. combustion and decay, and by harvesting associated with land management activities. Computed at Tier 1 and Approach 1 of the 2006 IPCC Guidelines for National GHG Inventories.</p> <p>Land Use Total contains total emissions and removals for each relevant greenhouse gas (CO₂, CH₄, N₂O), expressed in CO₂ equivalents, aggregated for the following sub-domains:</p> <ul style="list-style-type: none">• Forest Land (CO₂, CH₄, N₂O)• Cropland (CO₂)• Grassland (CO₂)• Burning – Biomass (CO₂, CH₄, N₂O) <p>Estimates of carbon stock changes are limited to above and below-ground biomass. Emissions and removals from Wetlands, Settlements and Other, are not estimated yet.</p> <p>The methodologies followed for estimating GHG emissions and removals are described under the respective sub-domains.</p> <p>Land Use Total contains country-level emissions/removals available for download, aggregated at level of each sub-domain and cluster of sub-domains, are provided as total amounts in Gg CO₂eq. Data are available for all countries and territories, as well as for</p>
-------------------------------	--

standard FAOSTAT regional aggregations, plus Annex I and non-Annex I groups. Current data period is 1990-2016, with annual updates.

Data Collection Method Computed

Completeness 100%

Useful links <http://www.fao.org/economic/ess/environment/en/>
<http://www.fao.org/in-action/micca/en/>
<http://www.ipcc-nggip.iges.or.jp/public/>

Distribution Information:

Owner FAO

Provider FAO

Source FAO

Copyright Policy Content on www.fao.org, its affiliated websites and specific pages (collectively "the FAO website") is protected by copyright. To ensure wide dissemination of its information, FAO is committed to making its content freely available and encourages the use, reproduction and dissemination of the text, multimedia and data products presented. Except where otherwise indicated, content may be copied, printed and downloaded for private study, research and teaching purposes, or for use in non-commercial products or services, provided that appropriate acknowledgement of FAO as the source and copyright holder is given and that FAO's endorsement of users' views, products or services is not stated or implied in any way. FAO encourages unrestricted use of news releases provided on the FAO website, and no formal permission is required to reproduce these materials. All requests for translation and adaptation rights, and for resale and other commercial use rights should be addressed to copyright@fao.org or submitted via the online [Licence Request Form](#) when downloading.

Citation FAO, 2019. FAOSTAT Emissions Database, Land use, Land Use Total
<http://www.fao.org/faostat/en/#data/GL>

Acknowledgements The FAOSTAT Emissions database is developed and maintained with FAO Regular Programme funding under O6 and SO2. Initial support was kindly provided by Norway and Germany under Trust Funds GCP/GLO/286/GER and GCP/GLO/325/NOR.
