

Dataset Information:

Title	Land Use Total
Abstract	Land Use Total contains all GHG emissions and removals produced in the different Land Use sub-domains, representing the three IPCC Land Use categories: cropland, forest land, and grassland, collectively called emissions/removals from the Forestry and Other Land Use (FOLU) sector. FOLU emissions consist of CO ₂ (carbon dioxide), CH ₄ (methane) and N ₂ O (nitrous oxide) associated with land management activities. CO ₂ emissions/removals are derived from estimated net 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 estimated for fires and 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-present, with annual updates.
Supplemental	<p>This domain contains data on GHG emissions and removals and shares on the total GHG emissions from the different Land use sub-domains.</p> <p>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.</p>
Creation Date	2013
Last Update	2013
Data Type	Climate Change - Greenhouse Gases
Category	Environment
Time Period	1990-present
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>
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	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 CO ₂ eq. Data are available for all countries and territories, as well as for standard FAOSTAT regional aggregations, plus Annex I and non-Annex I groups. The data period is 1990-present, with annual updates.
Data Collection Method	Computed
Completeness	100%
Links	www.fao.org/climatechange/micca/ghg/ www.ipcc-nggip.iges.or.jp/public/

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Citation	FAO. 2013. FAOSTAT Emissions Database http://faostat.fao.org/
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