
Dataset Information:

| Title | Land Use Total |
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| Abstract | Land Use Total contains all GHG emissions and removals produced in the different Land Use sub-domains, representing the six IPCC Land Use categories: cropland, forest land, grassland, wetlands, settlements, and other land, also collectively referred to as 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:

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| 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</p> |
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under the respective sub-domains.

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 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%

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