

FAOSTAT Land Use

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The FAOSTAT Land Use domain contains data on forty-four categories of land use, irrigation and agricultural practices and five indicators relevant to monitor agriculture, forestry and fisheries activities at national, regional and global level. Data are available by country and year, with global coverage and annual updates.

The most recent update was in Aug. 2024. IFs have 10 series in total.

Series pulled from the FAOSTAT, Land Use

Variable	Definition	Units	Name in Source	UsedInPreprocessor	UsedInPreprocessorFileName	Code in Source
LandTotal	Land, total	Million ha	Item "Country area"	1	AGRICULTURE, INFRASTRUCTURE	5110.6600
LandArea	Land area	Million ha	Land area (1000 ha)	1	AGRICULTURE	5110.6601
LandGrazing	Permanent meadows and pastures	Million ha	Item "Land under perm. meadows and pastures"	1	AGRICULTURE	5110.6655
LandOther	Other land	Million ha	Item "Other Land"	1	AGRICULTURE	5110.6670
LandAgri	Agricultural land	1000 ha	Item "Agricultural land"	1	INFRASTRUCTURE	5110.6610
LandCrop	Cropland	Million ha	Item "Cropland"	1	AGRICULTURE	5110.6620
LandForest	Forest land	Million ha	Item "Forest"	1	AGRICULTURE	5110.6646
LandIrrArea	Agriculture area actually irrigated	1000 ha	Item "Agriculture area actually irrigated"	0		5110.6611
LandOther%	Land use, other land (% of total area)	Percent	$LandOther/LandTotal$	0		
LandPasture%	Land use, permanent pasture (% of total area)	Percent	$LandGrazing/LandTotal$	0		

Instructions for pulling FAOSTAT, Land Use series

1. The data can be accessed on the FAOSTAT, Land Use website.
2. The importing python scripts can be accessed here.
3. To download the all the data at once, you may click the "All Data Normalized" under "Bulk Downloads" on the FAOSTAT, Land Use website.

The screenshot shows the FAOSTAT Land Use interface. It features a navigation menu at the top with options like 'Data', 'Selected Indicators', 'Compare Data', 'Rankings', 'Definitions and Standards', and 'FAQ'. A search bar is located at the top right. The main content area is titled 'Land Use' and includes a 'Back to domains' button. Below the title, there are tabs for 'DOWNLOAD DATA', 'VISUALIZE DATA', and 'METADATA'. The interface is divided into several sections: 'COUNTRIES', 'ELEMENTS', 'ITEMS', and 'YEARS', each with a search bar and a list of options. A 'Bulk Downloads' section is highlighted in yellow, listing various data exports with their sizes. The 'Bulk Downloads' section includes: 'All Data' (1.87 MB), 'All Downloads' (2.75 MB), 'All Area Groups' (343 KB), 'Africa' (341 KB), 'Americas' (288 KB), 'Asia' (217 KB), 'Europe' (208 KB), and 'Oceania' (81 KB). The 'Last update' is listed as 'August 19, 2024' and there is a link for 'Related documents'.

Notes for LandTotal and LandArea:

There is no null values in IFsHistSeries. Thus, the null values from original data need to be back filled by the earliest year's value.

Special notes for Kosovo and Serbia:

1. There is no value for Kosovo from FAOSTAT, Land Use. Thus, we use the resource from CIA, The World Factbook.
2. Kosovo is a landlocked country. So, we fill the 1.0887 Million Ha for Kosovo from 2008 to 2022 for both LandTotal and LandArea series.
3. The value for Kosovo in series LandAgri, LandGrazing, LandOther, LandCrop, and LandForest. We will use the information from CIA, The World Factbook to calculate.

Land use

agricultural land: 52.8% (2018 est.)

arable land: 27.4% (2018 est.)

permanent crops: 1.9% (2018 est.)

permanent pasture: 23.5% (2018 est.)

forest: 41.7% (2018 est.)

other: 5.5% (2018 est.)

4. Kosovo became independent from Serbia in 2008. Thus, the values for Serbia need to be deducted from the value for Kosovo since 2008 for each series.

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