



LAMASUS
Land Management for Sustainability

LAMASUS LUM Geodatabase

Detailed definitions of the management classes

The project is co-funded by the European Union's Horizon Europe Research and Innovation programme and the State Secretariat for Education, Research and Innovation from Switzerland under Grant Agreement No 101060423. The information and views set out in this deliverable are those of the author(s) and do not necessarily reflect the official opinion of the European Union. Neither the European Union institutions and bodies nor any person acting on their behalf may be held responsible for the use which may be made of the information contained therein.



Co-funded by
the European Union

Category	Management class	Definition
Forest	Primary forest	Barely disturbed forest with a nature function. No to barely any management in place.
	Close-to-nature management	Forests with a nature function, which have been disturbed in the past. Management actions are applied to ecosystem functioning.
	Combined objective forestry	Mixed objective forests, without a single dominant objective in management strategy. Functions may include protection, recreation, non-woody forest production (pine nuts, mushrooms, cork) or other functions.
	Intensive forestry	Forests primarily managed for wood production. Rotation length is based on maximum profit. Large patches are cut down for wood production either in one or longer period.
	Very intensive forestry	Forests intensely used for wood production. The trees are cut down in a short period (i.e., shorter or equal to maximum profit), cut in large patches (i.e., big clear-cuts) and/or consist of fast-growing species only.
Arable cropland	Irrigated arable cropland	The irrigated class in Corine land cover.
	Rainfed intensive arable cropland	Very high, high, and medium energy inputs
	Rainfed extensive arable cropland	Low and very low energy inputs
Permanent cropland	Irrigated permanent cropland	Irrigated or very high energy inputs
	Rainfed intensive permanent cropland	High and medium energy inputs
	Rainfed extensive permanent cropland	Low and very low energy inputs
Heterogeneous cropland	Intensive heterogeneous cropland classes	Very high, high and medium energy inputs
	Extensive heterogeneous cropland classes	Low and very low energy inputs
	Agroforestry	Agroforestry class in Corine with no livestock
Grassland	Very high-density managed pasture system	Grazing livestock > 2 livestock unit (LSU) per hectare in grazing areas (1.5 for the Mediterranean zone)
	High-density managed pasture system	Grazing livestock 1 to 2 LSU/ha in grazing areas (1.0 to 1.5 for the Mediterranean zone)
	Moderate-density managed pasture system	Grazing livestock 0.5 to 1.0 LSU/ha in grazing areas (0.5 to 1.0 for the Mediterranean zone)
	Low-density managed pasture system	Below 0.5 LSU/ha in grazing areas (0.5 for the Mediterranean zone)
	Very high-density managed grassland	Grazing livestock > 2 LSU/ha outside of grazing areas (1.5 for the Mediterranean zone)
	High-density managed grassland	Grazing livestock 1 to 2 LSU/ha outside of grazing areas (1.0 to 1.5 for the Mediterranean zone)

	Moderate-density managed grassland	Grazing livestock 0.5 to 1 LSU/ha outside of grazing areas (0.5 to 1.0 for the Mediterranean zone)
	Low-density managed grassland	Below 0.5 LSU/ha outside of grazing areas (0.5 for the Mediterranean zone)
	Rough grazing	Livestock present on moors, heathland, shrubland
	Silvo-pastoral agroforestry	Grazing livestock present in agroforestry, permanent cropland, or heterogenous cropland
	Managed semi-natural and natural grassland	Grazing livestock present in natural grassland classes (not covered by rough grazing)
	Unmanaged semi-natural and natural grassland	No livestock, natural grassland, shrubland, heathland classes, transitional woodland, or sparse vegetation
Urban	High-intensity urban (buildings)	Classes from Urban Atlas: 11100 Continuous urban fabric 11210 Discontinuous dense urban fabric
	Medium-intensity urban (buildings)	11220 Discontinuous medium-density urban fabric
	Low-intensity urban (buildings)	11230 Discontinuous low-density urban fabric 11240 Discontinuous very low-density urban fabric 11300 Isolated structures 13400 Land without current use 14100 Green urban areas 14200 Sports and leisure facilities
	Infrastructure	12100 Industrial, commercial, public, military and private units 12210 Fast transit roads and associated land 12220 Other roads and associated land 12230 Railways and associated land 12300 Port areas 12400 Airports
	Other urban	13100 Mineral extraction and dumpsites
	Other land cover	All remaining Corine classes that basically cover natural land cover (e.g., water, wetlands, sparse vegetation, bare soils, etc.)