MAPBIOMAS ARGENTINA

DESCRIPTION OF THE CLASSES USED IN THE LEGEND OF MAPBIOMAS ARGENTINA COLLECTION 3

Class Level 1	Class Level 2	Class Level 3	Region	Description	FAO equiv	IPCC equiv	LC INTA equiv	UMSEF equiv	Google earth Photo	Example Photo	Landsat Image
Forests	Closed Forests		Chaco y Yungas	Areas with natural vegetation formed by trees with canopy cover equal to or greater than 65%.	FEP,FEM,FEY, FDP, FDM,FDY, FSP,FSM, FSY	Forest land	2.1.1	TF	GE_CH_03.png	Foto_CH_03	LA_CH_03
			Pampas	Natural tree vegetation, with crowns that touch or are slightly separated, with coverage greater than 65%.					GE_PP_03	Foto_PP_03	LA_PP_03
			Atlantic Forest	Natural vegetation areas formed by trees with coverage equal to or greater than 65%.					GE_BA_03	Foto_BA_03	LA_BA_03
			Monte, Puna and Altos Andes	Areas with natural vegetation dominated by trees with coverage equal to or greater than 65%.					GE_MPAA_03	Foto_MPAA_03	LA_MPAA_03
			Patagonia	Areas with natural vegetation formed by trees with coverage equal to or greater than 30%. Dense tree coverage, with evergreen (coihue, cypress, larch) or deciduous (lenga, raulí, pellín oak, valley bottom ñirantales, araucaria) foliage and their combinations.					GE_PAT_03	Foto_PAT_03	LA_PAT_03
	Open Forests		Chaco y Yungas	Areas with natural vegetation formed by trees with coverage equal to or greater than 20% and less than 65%.	FEP,FEM,FEY, FDP, FDM,FDY, FSP,FSM, FSY	Forest land	2.1.2	TF	GE_CH_04	Foro_CH_04	LA_CH_04
			Pampas	Natural tree vegetation with discontinuous crowns, with coverage greater than 20% and less than 65%. Includes open sclerophytic forest (Caldenal).					GE_PP_04	Foto_PP_04	LA_PP_04
			Monte, Puna and Altos Andes	Areas with natural vegetation dominated by trees with coverage equal to or greater than 20% and less than 65%.					GE_MPAA_04	Foto_PMAA_04	LA_PMAA_04
	Flooded Forests		Chaco y Yungas	Transitional areas between pure terrestrial and aquatic systems, where the water table is generally at or near the surface (flooded areas). The natural vegetation cover formed by trees, shrubs or a mixture of both is significantly influenced by water and/or depends on flooding.	FEP,FEM,FEY, FDP, FDM,FDY, FSP,FSM, FSY	Forest land	3,1	TF	GE_CH_06	Foto_CH_06	La_CH_06
			Pampas	Transitional areas between pure terrestrial and aquatic systems, where the water table is generally at or near the surface (flooded areas). The natural vegetation cover formed by trees, shrubs or a mixture of both is significantly influenced by water and/or depends on flooding.					GE_PP_06	Foto_PP_06	LA_PP_06
			Patagonia	Mainly riparian forests. Transitional areas between pure terrestrial and aquatic systems, where the water table is generally at or near the surface (flooded areas). The natural vegetation cover formed by trees, shrubs or a mixture of both is significantly influenced by water and/or depends on flooding.					GE_PAT_06	Foto_PAT_06	LA_PAT_06
Natural Herbaceous and Shrub Vegetation	Closed Shrublands		Chaco y Yungas	Areas with natural vegetation dominated by tall shrubs (greater than one meter and less than three), with coverage equal to or greater than 65%.	WS	Forest land/ Grassland	2.2.1	OTF	GE_CH_66	Foto_CH_66	LA_CH_66
			Pampas	Natural shrub vegetation, with crowns that touch or are slightly separated, with coverage greater than 65%.					GE_PP_66	Foto_PP_66	LA_PP_66
			Monte, Puna and Altos Andes	Areas with natural vegetation dominated by shrubs with coverage equal to or greater than 65%.					GE_PMAA_66	Foto_PMAA_66	LA_PMAA_66
	Open Shrublands		Chaco	Areas with natural vegetation dominated by tall shrubs (greater than one meter and less than three), with coverage equal to or greater than 20% and less than 65%.	WS	Forest land/ Grassland	2.2.2	OTF	GE_CH_77	Foto_CH_77	LA_CH_77
			Pampas	Natural shrub vegetation with discontinuous crowns, with coverage greater than 20% and less than 65%.					GE_PP_77	Foto_PP_77	LA_PP_77
			Monte, Puna and Altos Andes	Areas with natural vegetation dominated by shrubs with coverage equal to or greater than 20% and less than 65%.					GE_PMAA_77	Foto_PMAA_77	LA_MPAA_77
			Patagonia	Natural plant cover with shrub predominance. This class is composed of woody shrub formations. Does not include valley bottom scrublands in forests and shrub steppes.					GE_PAT_77	Foto_PAT_77	LA_PAT_77
	Shrubs and Herbaceous Mosaic		Chaco y Yungas	Areas with natural vegetation formed by trees, shrubs or a mixture of both, with coverage equal to or greater than 5% and less than 20%.	WS, WG, OG	Forest land/ Grassland	2.2.3, 2.3.2, 2.3.3	OT	GE_CH_63	Foto_CH_63	LA_CH_63
			Monte Puna and High Andes	Areas with natural vegetation formed by shrubs and/or herbaceous with coverage equal to or greater than 5%					GE_MPAA_63	Foto_MPAA_63	LA_MPAA_63
			Patagonia	This class includes gramineous steppe, shrub-gramineous steppe, shrub steppe. . Combination of shrubs and medium-height grasses (20 to 80 cm) or dwarf shrubs (cushions of 5 to 20 cm) with sparse grasses.					GE_PAT_63	Foto_PAT_63	LA_PAT_63
	Grasslands		Chaco y Yungas	Areas with natural vegetation formed by herbaceous plants with cover equal to or greater than 5%. In this category, the presence of woody plants is admitted, but they must have a cover of between 1-5% and 20%.	WG, OG	Grassland	2.3.1,2.3.2	OT	GE_CH_12	Foto_CH_12	LA_CH_12
			Pampas	Natural herbaceous vegetation, or naturalized (i.e., does not require human intervention to maintain itself for a long time). Generally presents a mixture of grasses and herbaceous dicotyledons, or sub-shrubs and occasionally woody plants with coverage less than 20% cover. In general, there is a dominance of native species over implanted or naturalized exotic species. The physiognomy and its botanical composition are influenced by edaphic-topographic gradients and pastoral use. It occupies deep or shallow soils, up to very flat and rocky, welldrained (psamophilic), poorly drained (humid, with a notable presence of sedges), and or under saline influence (halophilic). In general, it is used for livestock purposes.					GE_PP_12	Foto_PP_12	LA_PP_12
			Atlantic Forest	Herbaceous dominated covers that do not show signs of anthropic intervention such as subdivisions, watering holes. In this category, the presence of woody plants is admitted, but they must be found in coverages less than 20%.					GE_BA_12	Foto_BA_12	LA_BA_12
			Monte, Puna and Altos Andes	Areas with natural vegetation formed by herbaceous plants. In this category, the presence of woody plants with coverage less than 20% is admitted.					GE_MPAA_12	Foto_MPAA_12	LA_PMAA_12
			Patagonia	Areas with natural vegetation formed by herbaceous plants. In this category, the presence of woody plants is admitted, but they must be found in coverages between 1-5 and 20%.					GE_PAT_12	Foto_PAT_12	LA_PAT_12
			Chaco y Yungas	Transitional areas between pure terrestrial and aquatic systems, where the water table is generally at or near the surface (flooded areas). Natural plant cover formed by herbaceous plants is significantly influenced by water and/or depends on flooding (e.g.: estuaries, wetlands, ravines, swamps and aquatic beds).					GE_CH_11	Foto_CH_11	LA_CH_11

	Flooded Grasslands		Pampas	Predominantly native natural herbaceous vegetation influenced by excess water. Occupies hydromorphic soils, which are flooded permanently or temporarily. Includes wetlands, estuaries and shores of lagoons and other water bodies with typically hygrophilous vegetation, with aquatic and palustrine herbaceous plants, occupying plains and depressions that remain flooded for brief (months) or extensive periods (years).	OM, WW	Grassland	3,3	OT	GE_PP_11	Foto_PP_11	LA_PP_11
			Atlantic Forest	Plant cover is significantly influenced by water and/or dependent on flooding (e.g. estuaries, wetlands, ravines, swamps and aquatic beds).					GE_BA_11	Foto_BA_11	LA_BA_11
			Monte, Puna and Altos Andes	Areas with natural vegetation where the water table is frequently at or near the surface, influencing the plant cover.					GE_MPAA_11	Foto_MPAA_11	LA_MPAA_11
			Patagonia	Transitional areas between pure terrestrial and aquatic systems, where the water table is generally at or near the surface (flooded areas). Natural plant cover formed by herbaceous plants is significantly influenced by water and/or depends on flooding (e.g.: estuaries, wetlands, ravines, swamps and aquatic beds). This class incorporates the "mallines" in the steppe, important ecosystems for livestock production, as they are the main source of forage.					GE_PAT_11	Foto_PAT_11	LA_PAT_11
	Peatlands		Patagonia	Peat accumulation zones, mainly identified in the south of the region (Tierra del Fuego and south of Santa Cruz).	OM	Grassland	3.3.1.1	OT	GE_PAT_73	Foto_PAT_73	LA_PAT_73
Agricultural and Livestock Area	Agriculture	Temporary Crops	Chaco y Yungas	This class includes crops of annual, biennial or perennial herbaceous species for the production of grains or fibers. It encompasses all modalities or sequences of crops in time (rotations or alternations) and space (combined or intercropped crops).	OCA, OF	Cropland	1,3	OT	GE_CH_19	Foto_Ch_19	LA_CH_19
			Pampas	Corresponds to areas occupied with annual crops, that is, that have been planted or harvested during the reference year. Includes areas of extensive crops, annual green fodder and horticulture. Also includes areas with rest period between agricultural sowings.					GE_PP_19	Foto_PP_19	LA_PP_19
			Atlantic Forest	Includes crops of annual herbaceous plants mainly cereals and legumes for grain or fiber production.					GE_BA_19	Foto_BA_19	LA_BA_19
		Perennial Crops	Chaco y Yungas	Areas with perennial crops, mainly blueberries, olive, vine, walnut and citrus.	OCP	Cropland	1,2	OT	GE_CH_36	Foto_CH_36	LA_CH_36
			Atlantic Forest	Areas with perennial crops, mainly yerba mate crops and tea crops.					GE_BA_36	Foto_BA_36	LA_BA_36
			Pampas	Areas with perennial crops.					GE_PP_36	Foto_PP_36	LA_PP_36
			Monte, Puna and Altos Andes	Areas covered by woody vegetation of anthropic origin. In this region, this class includes cultivated trees and shrubs without discrimination.					GE_MPAA_36	Foto_MPAA_36	LA_MPAA_36
	Pastures		Chaco y Yungas	Areas with herbaceous crop cultivation for forage purposes (animal production).	OP	Grassland	1,3	OT	GE_CH_15	Foto_CH_15	LA_CH_15
			Pampas	Pastures are composed of cultivated herbaceous vegetation with one or more perennial forage species, generally exotic grasses and legumes. Requires human intervention to maintain their condition over time.					GE_PP_15	Foto_PP_15	LA_PP_15
			Atlantic Forest	Areas with herbaceous crop cultivation for forage purposes (animal production).					GE_BA_15	Foto_BA_15	LA_BA_15
	Forest Plantations		Chaco y Yungas	Areas with tree crops (e.g.: pine or poplar plantations).	FPB, FPC,FPM	Cropland	1,1	OT	GE_CH_09	Foto_CH_09	LA_CH_09
			Pampas	Silviculture corresponds to the use of areas with woody plant crops, generally of exotic species.					GE_PP_09	Foto_PP_09	LA_PP_09
			Atlantic Forest	Planted tree species (e.g. eucalyptus, pinus, araucaria).					GE_BA_09	Foto_BA_09	LA_BA_09
			Patagonia	Areas with tree crops (e.g.: pine or poplar plantations, citrus plantations, pome or stone fruits plantations).					GE_PAT_09	Foto_PAT_09	LA_PAT_09
	Agriculture and Pasture Mosaic		Monte, Puna and Altos Andes	Areas with plant covers of anthropic origin formed by a heterogeneous association in time and space of agriculture, pastures, vegetables and/or fruit trees, generally small-scale, typical but not exclusive of irrigated areas.	OCA	Cropland	1,3	OT	GE_MPAA_21	Foto_MPAA_21	LA_MPAA_21
			Patagonia	Areas where natural vegetation has been modified, eliminated or replaced by other types of plant covers of anthropic origin, formed by a heterogeneous association of agriculture, pasture, vegetables and fruit trees in river valleys.					GE_PAT_21	Foto_PAT_21	LA_PAT_21
Non-Vegetated Area	Urban Areas		All Regions	Areas with significant density of roads, buildings and predominance of non-vegetated surfaces, including infrastructure and open spaces.	OB	Settlements	4,1	OT	GE_ARG_24	Foto_ARG_24	LA_ARG_24
	Other Non-Vegetated Areas		All Regions	Areas with plant cover less than 5%. Mixed class that includes beaches, dunes and salt flats (bright white sandy ridges, where there is no predominance of vegetation of any type), rural infrastructure (with predominance of non-vegetated surfaces such as buildings and asphalt, excluding vegetation situations in settlements such as trees or grass), mining areas (such as quarries, open pit mining, without presence of water), rocky outcrops (rock naturally exposed on the surface without plant cover) and other areas with scarce or no plant cover.	OX,OQ	Other land	5	OT	GE_CH_25	Foto_CH_25	LA_CH_25
									GE_PP_25	Foto_PP_25	LA_PP_25
									GE_BA_25	Foto_BA_25	LA_BA_25
									GE_MPAA_25	Foto_MPAA_25	LA_MPAA_25
									GE_PAT_25	Foto_PAT_25	LA_PAT_25
Cuerpos de agua, nieve o hielo	Ríos, lagunas, lagos y océano		All Regions	Areas with permanent surface water. It includes streams, rivers, lagoons, natural and artificial lakes, and the ocean.	IRP,IRS,IL,ID, IP, XO	Wetlands	7,1	OT	GE_CH_33	Foto_CH_33	LA_CH_33
									GE_PP_33	Foto_PP_33	LA_PP_33
									GE_BA_33	Foto_BA_33	LA_BA_33
									GE_PMAA_33	Foto_MPAA_33	LA_MPAA_33
									GE_PAT_33	Foto_PAT_33	LA_PAT_33
	Clean-ice glaciers and perennial snow		All Regions	Areas with permanent and superficial snow or ice cover, generally located in the Andean summits. Does not include debris-covered glaciers.	Not Applicable	Other land	7.3	OT	GEE_ARG_34	Foto_ARG_34	LA_ARG_34
No Observado				Attributed to missing values, shadows or other errors that may arise from the classification process.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No Aplica	No Aplica	No Aplica