



## DESCRIPTION OF THE CLASSES USED IN THE LEGEND OF MAPBIOMAS ARGENTINA COLLECTION 2

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	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	<a href="#">GE_VNL_LC_CH.png</a>	<a href="#">Bosque_chaqueño_PNCopado_Lizarraga</a>	<a href="#">LA_VNL_LC_CH.png</a>
			Pampas	Natural tree vegetation, with crowns that touch or are slightly separated, with coverage greater than 65%.					<a href="#">Pampa_BosqueCerrado_AltaResolucion.png</a>	<a href="#">Pampa_BosqueCerrado_Paisaje_Suelo.png</a>	<a href="#">Pampa_BosqueCerrado_Landsat.png</a>
		Atlantic Forest	Atlantic Forest	Natural vegetation areas formed by trees with coverage equal to or greater than 65%.					<a href="#">BA_LeñosaCerrada.png</a>	<a href="#">BA_LeñosaCerrada_SV.png</a>	<a href="#">BA_LeñosaCerrada_Lipeg</a>
		Monte, Puna and Altos Andes	Monte, Puna and Altos Andes	Areas with natural vegetation dominated by trees with coverage equal to or greater than 65%.					<a href="#">PMAA_Leñosas_Cerradas.png</a>	<a href="#">PMAA_Leñosas_Cerradas_SV.png</a>	<a href="#">PMYAA_Bosque_Landsat.png</a>
		Patagonia	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.					<a href="#">PAT_BosqueCerrado.png</a>	<a href="#">PAT_BosqueCerrado_SV.png</a>	<a href="#">PAT_Lcerrada_Landsat.png</a>
	Open Forests	Chaco y Yungas	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	<a href="#">CH_LAbierta.png</a>	<a href="#">CH_LAbierta_SV.png</a>	<a href="#">CH_LAbierta_Landsat.png</a>
		Pampas	Pampas	Natural tree vegetation with discontinuous crowns, with coverage greater than 20% and less than 65%. Includes open sclerophytic forest (Caldenal).					<a href="#">Pampa_BosqueAbierto_AltaResolucion.png</a>	<a href="#">Pampa_BosqueAbierto_Paisaje_GuerraLara.jpg</a>	<a href="#">Pampa_BosqueAbierto_Landsat.png</a>
		Monte, Puna and Altos Andes	Monte, Puna and Altos Andes	Areas with natural vegetation dominated by trees with coverage equal to or greater than 20% and less than 65%.					<a href="#">PMYAA_BosqueAbierto_GE.png</a>	<a href="#">PMYAA_BosqueAbierto_SV.png</a>	<a href="#">PMYAA_BosqueAbierto_Landsat.png</a>
	Flooded Forests	Chaco	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	<a href="#">CH_Linund.png</a>	<a href="#">bch_leñosas_inundables_Gisela_Córdoba.JPG</a>	<a href="#">CH_Linund_Landsat.png</a>
		Pampas	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.					<a href="#">Pampa_Bosque_Inundable.png</a>	<a href="#">Pampa_BosquesInundables_GE.png</a>	<a href="#">Pampa_BosquesInundables_Landsat.png</a>
		Patagonia	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.					<a href="#">Patagonia_Leñosas_Inundable.png</a>	<a href="#">Pat_bosqueinundable_GE.png</a>	<a href="#">Pat_bosqueinundable_landsat.png</a>
Shrublands	Closed Shrublands	Chaco y Yungas	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	<a href="#">Chaco_Arbustales_Cerrados.png</a>	<a href="#">Chaco_Arbustales_Cerrados_SV.png</a>	<a href="#">Chaco_Arbustales_Cerrados_Landsat.png</a>
		Pampas	Pampas	Natural shrub vegetation, with crowns that touch or are slightly separated, with coverage greater than 65%.					<a href="#">Pampa_Arbustal_Cerrado_GE.png</a>	<a href="#">Pampa_Arbustal_Cerrado_SV.png</a>	<a href="#">Pampa_Arbustal_Cerrado_Landsat.png</a>
		Monte, Puna and Altos Andes	Monte, Puna and Altos Andes	Areas with natural vegetation dominated by shrubs with coverage equal to or greater than 65%.					<a href="#">Puna_MonteyAlto_SAndes_Arbustales_Cerrados.png</a>	<a href="#">Puna_MonteyAlto_SAndes_Arbustales_Cerrados_SV.png</a>	<a href="#">PMAA_Arbustal_Cerrado_Landsat.png</a>
	Open Shrublands	Chaco	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	<a href="#">Chaco_Arbustal_Abierto.png</a>	<a href="#">Chaco_Arbustal_Abierto_GEE.png</a>	<a href="#">PMAA_Arbustales_Abiertos_Landsat.png</a>
		Pampas	Pampas	Natural shrub vegetation with discontinuous crowns, with coverage greater than 20% and less than 65%.					<a href="#">Pampa_Arbustal_Abierto_Landsat.png</a>	<a href="#">Pampa_Arbustal_Abierto_SV.png</a>	<a href="#">Pampa_Arbustal_Abierto_Landsat.png</a>
		Monte, Puna and Altos Andes	Monte, Puna and Altos Andes	Areas with natural vegetation dominated by shrubs with coverage equal to or greater than 20% and less than 65%.					<a href="#">PMAA_Leñosas_Abiertas.png</a>	<a href="#">PMAA_Leñosas_Abiertas_SV.png</a>	<a href="#">PMAA_LAbiertas_Landsat.png</a>
		Patagonia	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.					<a href="#">PAT_Arbustales_GE.png</a>	<a href="#">PAT_Arbustales_SV.png</a>	<a href="#">PAT_Arbustal_Landsat.png</a>

Natural Herbaceous and Shrub Vegetation	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	<a href="#">Chaco_MosaicoH erbyArb_GE.png</a>	<a href="#">Chaco_MosaicoH erbyArb.png</a>	<a href="#">Chaco_MosaicoH erbyArb_Landsat. png</a>
		Monte Puna and High Andes	Areas with natural vegetation formed by shrubs with coverage equal to or greater than 5% and/or herbaceous.					<a href="#">PMAA_Estepa.pn g</a>	<a href="#">Estepa mixta_Puna_Lizár raga.jpeg</a>	<a href="#">PAT_Estepa_Land sat.png</a>
		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.					<a href="#">PAT_Estepa_goo le.png</a>	<a href="#">PAT_Estepa_SV.p ng</a>	<a href="#">PAT_Estepa_Land sat.png</a>
	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	<a href="#">CH_PZ_Google.pr g</a>	<a href="#">CH_PZ_Google.pn g</a>	<a href="#">CH_PZ_Landsat.p ng</a>
		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 (psammophilic), poorly drained (humid, with a notable presence of sedges), and <b>or under saline influence (halophilic)</b> . In general, it is used for livestock purposes.					<a href="#">Pampa_Pastizal_A ltaResolucion.png</a>	<a href="#">Pampa_pastizal_J ulio_Monguillot.jpg</a>	<a href="#">Pampa_Pastizal_L andsat.png</a>
		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%.					<a href="#">BA_PZ.png</a>	<a href="#">BA_PZ_SV.png</a>	<a href="#">BA_PZ_L.jpeg</a>
		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.					<a href="#">PMAA_Pastizales GE.png</a>	<a href="#">PMAA_Pastizales. png</a>	<a href="#">PMAA_Pastizales. Landsat.png</a>
		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%.					<a href="#">PAT_Pastizales_G oogle.png</a>	<a href="#">PAT_Pastizal_Eje mplo.JPG</a>	<a href="#">PAT_Pastizales_La ndsat.png</a>
	Flooded Grasslands	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).	OM, WW	Grassland	3.3	OT	<a href="#">CH_Pinund.png</a>	<a href="#">Chaco_Humedal_Ejemplo.jpeg</a>	<a href="#">CH_Pinund_Lan dsat.png</a>
		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 hydrophilous vegetation, with aquatic and palustrine herbaceous plants, occupying plains and depressions that remain flooded for brief (months) or extensive periods (years).					<a href="#">Pampa_Pastizalln undable_AltaReso lucion.png</a>	<a href="#">Pampa_Pastizalln undable_Paisaje_I turalde.jpg</a>	<a href="#">Pampa_Pastizalln undable_Landsat. png</a>
		Atlantic Forest	Plant cover is significantly influenced by water and/or dependent on flooding (e.g. estuaries, wetlands, ravines, swamps and aquatic beds).					<a href="#">BA_NoInd.png</a>	<a href="#">BA_NoLInd_SV.p ng</a>	<a href="#">BA_NoLInd_L.jpe g</a>
		Monte, Puna and Altos Andes	Areas with natural vegetation where the water table is frequently at or near the surface, influencing the plant cover.					<a href="#">PMAA_NLinund.p ng</a>	<a href="#">Pampa_Pastizalln undable_Puna_MN_La guna_de_los_Pozuelos Lizarraga</a>	<a href="#">PMAA_NLinund_L andsat.png</a>
		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.					<a href="#">PAT_NLInd.png</a>	<a href="#">PAT_Pastizallnun dable_Ejemplo.JP G</a>	<a href="#">PAT_NLInd_Lan dsat.png</a>
	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	<a href="#">Pat_Turberas_Fot o.jpg</a>	<a href="#">PAT_Turberas.pn g</a>	<a href="#">PAT_Turbera_Lan dsat.png</a>
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	<a href="#">CH_Agric.png</a>	<a href="#">Agricultura_soya1 _Iturralte.jpg</a>	<a href="#">CH_Agric_Landsat. png</a>
		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.					<a href="#">Pampa_Agricultur a_AltaResolucion. png</a>	<a href="#">Pampa_Agricultur a_Paisaje_Iturrald e.jpg</a>	<a href="#">Pampa_Agricultur a_Landsat.png</a>
		Atlantic Forest	Includes crops of annual herbaceous plants mainly cereals and legumes for grain or fiber production.					<a href="#">BA_CA.jpeg</a>	<a href="#">BA_Anual_Foto.jp g</a>	<a href="#">BA_CA_L.jpe g</a>
	Perennial Crops	Chaco y Yungas	Areas with perennial crops, mainly blueberries, olive, vine, walnut and citrus.	OCP	Cropland	1.2	OT	<a href="#">CH_Carbustos.pn g</a>	<a href="#">CH_Arbustivas_S V.jpeg</a>	<a href="#">CH_Carbustos_L andsat.png</a>
		Atlantic Forest	Areas with perennial crops, mainly yerba mate crops and tea crops.					<a href="#">BA_CultivoArbus to.png</a>	<a href="#">BA_CultivoArbus to_SV.png</a>	<a href="#">BA_Carbustivos_L andsat.png</a>
		Pampas	Areas with perennial crops.					<a href="#">Pampa_CultivosA rbustivos_GE.png</a>	<a href="#">Pampa_CultivosA rbustivos.png</a>	<a href="#">Pampa_CultivosA rbustivos_Landsat. png</a>

Agricultural and Livestock Area	Pastures	Chaco y Yungas	Areas with herbaceous crop cultivation for forage purposes (animal production).	OP	Grassland	1.3	OT	<a href="#">CH_Pasturas.png</a>	<a href="#">BCH_pastura_Gisela_Córdoba.JPG</a>	<a href="#">CH_Pasturas_Landsat.png</a>
		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.					<a href="#">Pampa_Pasturas_AltaResolucion.png</a>	<a href="#">Pampa_Pastura_Paisaje_Iturralde.jpg</a>	<a href="#">Pampa_Pasturas_Landsat.png</a>
		Atlantic Forest	Areas with herbaceous crop cultivation for forage purposes (animal production).					<a href="#">BA_Pastura_Google.png</a>	<a href="#">BA_Silvo_Foto.jpg</a>	<a href="#">BA_Pastura_Landsat.png</a>
	Forest Plantations	Chaco y Yungas	Areas with tree crops (e.g.: pine or poplar plantations).	FPB, FPC,FPM	Cropland	1.1	OT	<a href="#">CH_Plantaciones.png</a>	<a href="#">CH_Plantaciones_SV.png</a>	<a href="#">CH_Plantaciones_Landsat.png</a>
		Pampas	Silviculture corresponds to the use of areas with woody plant crops, generally of exotic species.					<a href="#">Pampa_PlantacionForestal_AltaResolucion.png</a>	<a href="#">Pampa_PlantacionForestal_Paisaje_Tate.png</a>	<a href="#">Pampa_PlantacionForestal_Landsat.png</a>
		Atlantic Forest	Planted tree species (e.g. eucalyptus, pinus, araucaria).					<a href="#">BA_Plantaciones.png</a>	<a href="#">BA_Plantaciones_SV.png</a>	<a href="#">BA_Plantaciones_Landsat.png</a>
		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.					<a href="#">PMAA_PlantacionesSV.png</a>	<a href="#">PMAA_PlantacionesSV.png</a>	<a href="#">PMAA_PlantacionesLandsat.png</a>
		Patagonia	Areas with tree crops (e.g.: pine or poplar plantations, citrus plantations, pome or stone fruits plantations).					<a href="#">PAT_Plantaciones.png</a>	<a href="#">PAT_Plantaciones_SV.png</a>	<a href="#">PAT_Plantaciones_Landsat.png</a>
	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	<a href="#">PMAA_Mosaico.png</a>	<a href="#">PMAA_Mosaico_SV.png</a>	<a href="#">PMAA_Mosaico_Landsat.png</a>
		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.					<a href="#">PAT_MosaicodeUlos_Satelite.JPG</a>	<a href="#">PAT_Mosaico.JPG</a>	<a href="#">PAT_MosaicoDeUlos.JPG</a>
Non-Vegetated Area	Urban Areas	Cross-cutting theme	Areas with significant density of roads, buildings and predominance of non-vegetated surfaces, including infrastructure and open spaces.	OB	Settlements	4.1	OT	<a href="#">Urbano.png</a>	<a href="#">Urbano_Foto.jpg</a>	<a href="#">Urbano_Landsat.png</a>
	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), urban and 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	<a href="#">CH_ANV.png</a>	<a href="#">CH_ANV_SV.png</a>	<a href="#">CH_ANV_Landsat.png</a>
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	<a href="#">Pampa_AreaNoVegetada_AltaResolucion.png</a>	<a href="#">Pampa_AreaNoVegetada_Paisaje_GobBA.jpg</a>	<a href="#">Pampa_AreaNoVegetada_Landsat.png</a>
	Monte, Puna and Altos Andes	Hielo en superficie y nieve permanente	Areas with permanent and superficial snow or ice cover, generally located in the Andean summits. Does not include debris-covered glaciers.	No aplica	Other land	7.2, 7.3	OT	<a href="#">BA_ANV.png</a>	<a href="#">BA_ANV_SV.png</a>	<a href="#">BA_ANV_Landsat.jpg</a>
	Patagonia							<a href="#">PMAA_ANV.png</a>	<a href="#">PMAA_ANV_SV.png</a>	<a href="#">PMAA_ANV_Landsat.png</a>
No Observado		Attributed to missing values, shadows or other errors that may arise from the classification process.				No Aplica	No Aplica	No Aplica	No Aplica	No Aplica