



Description of the classes of land use and land cover used in the  
Legend of MapBiomias Chaco Collection 5.

Class Level 1	Class Level 2	Class Level 3	Class Level 4	Description	LC INTA*	UMSEF**	FAO classes***	IPCC classes****	Google Earth	Landsat Image	Photo
Natural wooded vegetation	Closed woodland			Areas with natural vegetation formed by trees, shrubs or a mixture of both, with a cover of 65% or more.	2.1.1 , 2.2.1	TF, OTF	FEP, FDP, FSP,WS	3B1	GE_VNL_LC_CH.png	LA_VNL_LC_CH.png	Bosque chaqueño_PNCo po_Lizarraga
	Open woodland			Areas with natural vegetation formed by trees, shrubs, or a mixture of both, with a cover of 20% or more and less than 65%.	2.1.2, 2.2.2	TF, OTF	FEP, FDP, FSP,WS	3B1	CH_LAabierta.png	CH_LAabierta_Landsat.png	CH_LAabierta_SV.png
	Sparse woodland			Areas with natural vegetation formed by trees, shrubs, or a mixture of both, with a cover of 5% or more and less than 20%.	2.1.3, 2.1.2, 2.2.3, 2.2.2	OTF	WG, WS	3B6	CH_LDispersas.png	CH_LDispersas_Landsat.png	bch_LEÑOSADIS PERSA_Gisela Córdoba.JPG
	Flooded woodland			Transitional areas between pure terrestrial and aquatic systems, where the water table is usually 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.	3.1., 3.2	TF, OTF	FEP,FDP, FSP,WS	3B1,3B4	CH_Linund.png	CH_Linund_Landsat.png	bch_leñosas_inundables_Gisela Córdoba.JPG
Natural non-wooded vegetation	Grassland	Closed grassland		Areas with natural vegetation formed by herbaceous plants with a cover equal to or greater than 65%. In this category, the presence of woody plants is allowed, but they must have a cover of between 1-5% and 20%.	2.3.1	OT	WG, OG	3B3	CH_PZ_Google.png	CH_PZ_Landsat.png	OI_Pastizal chaqueño_PNCo po_Lizarraga
		Open grassland		Areas with natural vegetation formed by herbaceous plants with a cover equal to or greater than 20% and less than 65%. In this category, the presence of woody plants is allowed, but they must have a cover of between 1-5% and 20%.	2.3.2, 2.3.1.	OT	WG, OG	3B3	CH_Pz_abierto_Google.png	CH_Pzabierto_Landsat.png	CH_Pz_abierto.jpg
		Sparse grassland		Areas with natural vegetation formed by herbaceous plants with a cover equal to or greater than 5% and less than 20%.	2.3.3	OT	WG, OG	3B3	Ch_Pz_disperso_Google.png	Ch_Pz_disperso_Landsat.png	Ch_Pz_disperso.jpg
		Flooded grassland		Transitional areas between pure terrestrial and aquatic systems, where the water table is usually at or near the surface (flooded areas). The natural vegetation cover formed by herbaceous plants is significantly influenced by water and/or depends on flooding (e.g., estuaries, wetlands, streams, marshes, and waterbeds).	3.3	OT	OM, WW	3B4	CH_PInund.png	CH_PInund_Landsat.png	Chaco_Humedal_Ejemplo.jpeg
Agricultural Areas	Pasture			Areas with herbaceous crop cultivation for forage purposes (animal production).	1.3	OT	OP	3B3	CH_Pasturas.png	CH_Pasturas_Landsat.png	BCH_pastura_Gisela Córdoba.
	Agriculture	Annual crops	Single crop	Areas with only one crop per growing season.	1.3.1.1, 1.3.2.1	OT	OCA, OCP, OCM, OF	3B2	CH_Agric.png	CH_Agric_Landsat.png	Agricultura soja L_turralde.jpg
			Multiple crop	Areas with two or more crops per growing season.	1.3.1.2, 1.3.2.2	OT	OCA, OCP, OCM, OF	3B2			
	Tree Plantations			Areas with tree crops (e.g.: pine or poplar plantations, citrus plantations, pome or stone fruit plantations).	1.1	OT	FPB, FPC, FPM,OCP	3B1, 3B2	CH_Plantaciones.png	CH_Plantaciones_Landsat.png	CH_Plantaciones_SV.png
Shrub Plantations			Areas with shrub crops (e.g., blueberries, grapes).	1.2	OT	OCP	3B2	CH_CARbustos.png	CH_CARbustos_Landsat.png	CH_Arbustivas_SV.jpeg	
Non-vegetated Areas	Beach, Dune and Sand Spot			Areas with vegetation cover of less than 5%. Mixed class composed mainly of sandy, silty or stony cover. These areas are found mostly on river beaches, fluvial sandbanks and dune fields.	4,5	OT	OX	3B6	CH_playas_y_dunas_google.png	CH_playas_y_dunas_Landsat.png	CH_playas_y_dunas_GoogleStreet.jpeg
	Urban Area			It comprises areas with artificial cover resulting from human activities such as urban construction, roads, etc.	4,5	OT	OB	3B5	CH_area_urbana_google.png	CH_area_urbana_Landsat.png	CH_area_urbana.jpg
	Other Non-vegetated Areas			Areas with less than 5% vegetation, of natural or anthropogenic origin, not included in the remaining categories. Includes exposed rock, crop transition areas, burned areas, landslides and roads, among others.	4,5	OT	OX,OQ	3B6	CH_otras_anv_google.png	CH_otras_anv_Landsat.png	CH_otras_anv_googleStreet.png
	Salt Flat			Areas characterized by large extensions of flat land covered by a layer of salt or mineral salts.	4,5	OT	OX,OQ, OM	3B6	CH_ANV.png	CH_ANV_Landsat.png	CH_ANV_SV.png
Water bodies				Areas with permanent surface water. It includes streams, rivers, lagoons, natural and artificial lakes.	6, 7.1	OT	IRP,IRS,IL, ID, IP, OX	3B4	CH_Agua.png	CH_Agua_Landsat.png	Chaco_Rio_Ejemplo.jpeg
Not observed				Area blocked by clouds or atmospheric noise, or without observation.	NO	NO	NO	NO	NO	NO	NO

\*LC INTA: <https://www.yumpu.com/es/document/view/14121760/lccs-fao-manual-usuariopdf-inta>

\*\* UMSEF: [https://www.argentina.gob.ar/sites/default/files/primer\\_inventario\\_nacional\\_-\\_informe\\_nacional\\_1.pdf](https://www.argentina.gob.ar/sites/default/files/primer_inventario_nacional_-_informe_nacional_1.pdf)

\*\*\* FAO: <https://www.fao.org/land-water/land/land-governance/land-resources-planning-toolbox/category/details/en/c/1036361/>

\*\*\*\* IPCC: [https://unfccc.int/sites/default/files/resource/92814035\\_Argentina-BUR3-1-INFORME%20NACIONAL%20DE%20INVENTARIO%20DE%20GEI%20DE%20LA%20REPUBLICA%20ARGENTINA.pdf](https://unfccc.int/sites/default/files/resource/92814035_Argentina-BUR3-1-INFORME%20NACIONAL%20DE%20INVENTARIO%20DE%20GEI%20DE%20LA%20REPUBLICA%20ARGENTINA.pdf)