



Institute of Surveying, Remote Sensing and Land Information

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Generalised land cover class	Code	GlobCover 2009 classification	GLC 2000 classification	MODIS 2009 classification (based on IGBP)	Description
Cropland	1	[11] Post-flooding or irrigated croplands (or aquatic) [14] Rainfed croplands [20] Mosaic cropland (50–70%)/vegetation (grassland/shrubland/forest) (20–50%) [30] Mosaic vegetation (grassland/shrubland/forest) (50–70%)/cropland (20–50%)	[16] Cultivated and managed areas [17] Mosaic: Cropland; tree cover; other natural vegetation [18] Mosaic: Cropland; shrub and-or herbaceous cover [23] Irrigated agriculture	[12] Croplands [14] Cropland-natural vegetation mosaic	Agriculture, managed vegetation, mosaic cropland/other vegetation
Deciduous Forest	2	[50] Broadleaved deciduous forest, closed [60] Broadleaved deciduous forest/woodland, open	[2] Tree cover; broadleaved; deciduous; closed [3] Tree cover; broadleaved; deciduous; open [5] Tree cover; needle-leaved; deciduous	[3] Deciduous needleleaf forest [4] Deciduous broadleaf forest	Close to open deciduous broadleaf trees cover
Evergreen Forest	3	[70] Needleleaved evergreen forest, closed [90] Needleleaved deciduous or evergreen forest	[1] Tree cover; broadleaved; evergreen [4] Tree cover; needle-leaved; evergreen	[1] Evergreen needleleaf forest [2] Evergreen broadleaf forest	Close to open evergreen needleleaf trees cover
Mixed forest	4	[100] Mixed broadleaved & needleleaved forest [40] Broadleaved evergreen or semi-deciduous forest	[6] Tree cover; mixed leaf type [9] Mosaic: Tree cover; other natural vegetation	[5] Mixed forest	Mixed broadleaf and needleleaf trees cover / other trees
Shrub Cover	5	[110] Mosaic forest or shrubland (50–70%)/grassland (20–50%) [130] Shrubland, closed to open [150] Sparse vegetation (b15%)	[11] Shrub cover; closed-open; evergreen [12] Shrub cover; closed-open; deciduous [14] Sparse herbaceous or sparse shrub cover vegetation	[6] Closed shrublands [7] Open shrublands [8] Woody savannas	Shrubs and spare herbaceous or sparse shrub cover
Grassland	6	[120] Mosaic grassland (50–70%)/forest or shrubland (20–50%) [140] Herbaceous vegetation, closed to open	[13] Herbaceous cover; closed-open [15] Regularly flooded shrub and-or herbaceous cover	[9] Savannas [10] Grasslands	Herbaceous vegetation, rangeland
Urban / Built up	7	[190] Artificial surfaces and associated areas	[22] Artificial surfaces and associated areas	[13] Urban and built-up	Urban, mixed urban or artificial land
Water bodies	8	[210] Water bodies	[20] Water bodies	[0] Water bodies	Water bodies
Bare areas	9	[200] Bare areas	[19] Bare areas	[16] Barren or sparsely vegetated	Barren land
Snow/ice	10	[220] Permanent snow and ice	[21] Snow and ice	[15] Snow and ice	Snow or ice
Flooded	11	[160] Broadleaved forest regularly flooded [170] Broadleaved forest or shrubland permanently flooded [180] Grassland or woody vegetation on regularly flooded or waterlogged soil	[7] Tree cover; regularly flooded; fresh water [8] Tree cover; regularly flooded; saline water	[11] Permanent wetlands	