

Table 4: Discrete classification coding

Map code	UN LCCS level	Land Cover Class	Definition according UN LCCS	Color code (RGB)
0	-	No input data available	-	40, 40, 40
111	A12A3A10B2D2E1	Closed forest, evergreen needle leaf	tree canopy >70 %, almost all needle leaf trees remain green all year. Canopy is never without green foliage.	88, 72, 31
113	A12A3A10B2D2E2	Closed forest, deciduous needle leaf	tree canopy >70 %, consists of seasonal needle leaf tree communities with an annual cycle of leaf-on and leaf-off periods	112, 102, 62
112	A12A3A10B2D1E1	Closed forest, evergreen, broad leaf	tree canopy >70 %, almost all broadleaf trees remain green year round. Canopy is never without green foliage.	0, 153, 0
114	A12A3A10B2D1E2	Closed forest, deciduous broad leaf	tree canopy >70 %, consists of seasonal broadleaf tree communities with an annual cycle of leaf-on and leaf-off periods.	0, 204, 0
115	A12A3A10	Closed forest, mixed	Closed forest, mix of types	78, 117, 31
116	A12A3A10	Closed forest, unknown	Closed forest, not matching any of the other definitions	0, 120, 0
121	A12A3A11B2D2E1	Open forest, evergreen needle leaf	top layer- trees 15-70 % and second layer-mixed of shrubs and grassland, almost all needle leaf trees remain green all year. Canopy is never without green foliage.	102, 96, 0
123	A12A3A11B2D2E2	Open forest, deciduous needle leaf	top layer- trees 15-70 % and second layer-mixed of shrubs and grassland, consists of seasonal needle leaf tree communities with an annual cycle of leaf-on and leaf-off periods	141, 116, 0
122	A12A3A11B2D1E1	Open forest, evergreen broad leaf	top layer- trees 15-70 % and second layer-mixed of shrubs and grassland, almost all broadleaf trees remain green year round. Canopy is never without green foliage.	141, 180, 0
124	A12A3A11B2D1E2	Open forest, deciduous broad leaf	top layer- trees 15-70 % and second layer-mixed of shrubs and grassland, consists of seasonal broadleaf tree communities with an annual cycle of leaf-on and leaf-off periods.	160, 220, 0
125	A12A3A12	Open forest, mixed	Open forest, mix of types	146, 153, 0
126	A12A3A12	Open forest, unknown	Open forest, not matching any of the other definitions	100, 140, 0
20	A12A4A20B3(B9)	Shrubs	These are woody perennial plants with persistent and woody stems and without any defined main stem being less than 5 m tall. The shrub foliage can be either evergreen or deciduous.	255, 187, 34
30	A12A2(A6)A20B4	Herbaceous vegetation	Plants without persistent stem or shoots above ground and lacking definite firm structure. Tree and shrub cover is less than 10 %.	255, 255, 76
90	A24A2A20	Herbaceous wetland	Lands with a permanent mixture of water and herbaceous or woody vegetation. The vegetation can be present in either salt, brackish, or fresh water.	0, 150, 160
100	A12A7	Moss and lichen	Moss and lichen	250, 230, 160

Map code	UN LCCS level	Land Cover Class	Definition according UN LCCS	Color code (RGB)
60	B16A1(A2)	Bare / sparse vegetation	Lands with exposed soil, sand, or rocks and never has more than 10 % vegetated cover during any time of the year	180, 180, 180
40	A11A3	Cultivated and managed vegetation/agriculture (cropland)	Lands covered with temporary crops followed by harvest and a bare soil period (e.g., single and multiple cropping systems). Note that perennial woody crops will be classified as the appropriate forest or shrub land cover type.	240, 150, 255
50	B15A1	Urban / built up	Land covered by buildings and other man-made structures	250, 0, 0
70	B28A2(A3)	Snow and Ice	Lands under snow or ice cover throughout the year.	240, 240, 240
80	B28A1B1	Permanent water bodies	lakes, reservoirs, and rivers. Can be either fresh or salt-water bodies.	0, 50, 200
200	B28A1B1 ¹	Open sea	Oceans, seas. Can be either fresh or salt-water bodies.	0, 0, 128

3.3.2 Fractional Cover layers

The Fractional Cover layers, also referred to as cover fractions, give the percentage of a 100 m pixel that is filled with a specific land cover class (Table 3). As such it provides more detailed information than the dominant class that is shown in the discrete classification.

The Fractional Cover layers are coded as a number between 0 and 100, in steps of 1 %. The sum of all fractional cover layers for a given pixel is 100. Missing values are set to 255.

3.3.3 Forest type layer

The Forest Type layer provides discrete values per type of forest (see Table 5), for all pixels where the tree (forest) cover fraction exceeds 1 %. Value 255 is used for missing values.

Table 5: Forest type coding

Value	Short name	Description
0	Unknown	Doesn't match any of the other types
1	ENF	Evergreen needle leaf forest
2	EBF	Evergreen broad leaf forest
3	DNF	Deciduous needle leaf
4	DBF	Deciduous broad leaf
5	Mixed	Mix of forest types

¹ Note a distinction is made between Open sea (oceans) = 200 and other permanent water bodies = 80, despite they're mapped to the same UN LCCS layer legend.