

TECHNICAL SHEET



1. Indicator name					
Forest area as a percentage of the total area					
Update date:	27/09/2021	Version:	1.1		

2. Area	
Main Area	Environment and surroundings
Sub-Area	Healthy environment

3. Definition

The indicator shows the area covered by forests, thickets, meadows, grasslands and bare forest land, in relation to the total area of the analysis territory (a municipality or a supra-municipal grouping.)

4. Calculation formula

Percentage of the total forest area =
$$\left(\frac{\sum AFj, t}{Sx, t}\right) * 100$$

Where:

- AFj,t corresponds to the total area covered by forests, thickets, meadows, grasslands and bare forest soil in the reference spatial unitJ(the municipality or a supra-municipal grouping), in timet. (See section comments and observations)
- S j,t corresponds to the total surface of the reference spatial unit j (the municipality or a supra-municipal grouping), at time t.

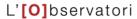
5. Reading

This indicator measures the area of a municipality or a supra-municipal unit that contains forest cover. The data is also shown in the form of a percentage that allows you to know the proportion of the municipality covered by forest area.

This indicator increases with the proportion of forest cover in the municipality, as it shows the ratio of forest area/municipality area.

Changes in the forest area reflect changes in the demand for land for other uses, which can contribute to the determination of unsustainable practices in the forestry sector.

It is important to consider that the interpretation of the value of this indicator is contextual, and a high value does not necessarily indicate a greater benefit from the point of view of greater well-being, economic and social development. For example, preserving forests in Mediterranean low mountain areas is important, despite the fact that they contribute relatively little to the provision of ecosystem services compared to forests in the more humid areas of the north of the country.



222

223

Forest

and

natural

areas

2

Dense forests

of deciduous,

Dense forests

sclerophylls

and laurifolias

planifolia

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Catalonia (MCSC) of the ICGC; specifically, from the following categories within the						
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Category	definition			Observa	ations	
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Dense conifer forests	space (fraction of canopy (>50%) by conifers, with a (needle-shaped) leaves. I' (areas dominated by you	space) and domi generally acicular t includes regene ng trees), plantat	rations ions	spruce, red pine	white pir e, pine, pi	ne, oine,
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Tree formation that covers more than 20% of the

space (fraction of canopy space) and dominated

(>50%) by soft-leaved and deciduous trees. It

young trees), plantations (especially of poplars

and bananas) and protection strips. It does not

Tree formation that covers more than 20% of the

space (fraction of canopy space) and dominated

trees. It includes regenerations (areas dominated

(>50%) by flat-leaved evergreen and leathery

by young trees), plantations and protection

strips. It does not include forest nurseries.

includes regenerations (areas dominated by

include forest nurseries.

Examples: beech,

chestnut, oak, etc.

Examples: oak

grevoled trees,

laurel trees, oak

plantations for

truffle crops, etc.

groves, cork trees,



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	224	scrub	Plant formation dominated by shrubby plants, as	Examples:
			long as the tree cover, if it exists, is less than 5%.	Mesophilic thickets,
			Does not include clear forests	heathland,
				sclerophyllous
				thickets, etc.
	225	Clear conifer	Tree formation that covers between 5 and 20%	Examples: clear
		forests	of the space (fraction of canopy space) and	forests of spruce,
			dominated (>50%) by conifers.	white pine, red
				pine, pine, pine, tall
				junipers, etc.
	226	Clear forests	Tree formation that covers between 5 and 20%	Examples: clear
		of deciduous,	of the space (fraction of canopy space) and	forests of beech,
		planifolia	dominated (>50%) by deciduous trees.	chestnut, oak, etc.
	227	Clear forests	Tree formation that covers between 5 and 20%	Examples: clear
		of	of the space (fraction of canopy space) and	forests of oak, cork,
		sclerophylls	dominated (>50%) by evergreen and leathery	holly, laurel, etc.
		and laurifolias	trees.	
	228	Meadows and	Mainly herbaceous formations, with less than 5%	
		grasslands	tree and/or shrub cover. Includes the meadows	
			of dall. It does not include fodder crops.	
	229	Riverside	Forests and thickets that are made on the edges	Examples: vernedes,
		forest	of water (river, pond) and under the influence	freixenedes,
			of it. They are limited to valley bottoms,	omedes, salzedes,
			following river courses. It does not include	alberedes, etc.
		_	plantations.	
	230	Bare forest	Space of natural land where there is not much	
		soil	vegetation or rock. Includes tracks and unpaved	
			forest roads; river banks, torrents and streams	
			without water; firewalls etc., all with no or less	
			than 5% vegetation and eroded areas. It does not	
			include agricultural areas.	
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¹Table taken from the technical specifications of the

 $\begin{tabular}{ll} MCSChttps://datacloud.ide.cat/especificacions/cobertes-sol-v1r0-esp-01ca-20160919.pdf \end{tabular}$