

# Corine Land Cover 2000

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## 1. Feature Attribute Description

### INSPIRE2.GEO.ClC2000EU25ha

Feature attribute	Description
Level1	Main class
Level2	Class 2
Level3	Class 3
Luokka3	Class 3 (as text field)
MuutosPvm	Date, when data has been modified in SYKE
Shape.area	Area of the polygon in square meters
Shape.len	Polygon perimeter in meters

### INSPIRE2.GEO.ClC200025m

Feature attribute	Description
Level1	Main class
Level2	Class 2
Level3	Class 3
Luokka3	Class 3 (text field)
Level4	Class 4
MuutosPvm	Date, when data has been modified in SYKE

### INSPIRE2.GEO.ClC2000Taulu

Feature attribute	Description
Level1	Main class
Level1Suo	Name of the main class in Finnish
Level1Eng	Name of the main class in English
Level2	Class 2
Level2Suo	Name of the class 2 in Finnish
Level2Eng	Name of the class 2 in English
Level3	Class 3
Level3Suo	Name of the class 3 in Finnish
Level3Eng	Name of the class 3 in English

## 2. Classification

The CORINE classification is a hierarchical classification including three classes in the generalized vector dataset and four classes in the raster dataset. Class names are listed in Finnish and in English in a separate document "clc\_luokat.xls". All classes are not present in Finland and all level 3 classes are not present in level 4. The VALUE-field in the in the attribute table refers to the raster data. Detailed descriptions of classes, source layer information and source age information are in the chapter 3.

Official CORINE class definition, see EEA webbsite

[http://sia.eionet.europa.eu/CLC2000/classes/index\\_html](http://sia.eionet.europa.eu/CLC2000/classes/index_html)

## 3. Additional Information

### Source element Layer

In the CLC2000 land use / land cover (25m) dataset all pixels, based in a same source data, have a same pixel value in the VALUE field in the source information attribute table.

Value	Code	Data sources
1	100	SLICES
2	200	MTK Rocky areas and mineral soils, peat production areas
3	300	Water bodies, interpretation from satellite data (IMAGE2000)
4	400	Build up areas, updated from satellite data (IMAGE2000)
5	501	Upper Lapland forested areas interpreted from satellite data (IMAGE2000)
6	503	Upper Lapland mires, interpreted from MTK Topographic maps
7	505	Upper Lapland satellite data interpretation (IMAGE2000) and tundra mask
8	506	Upper Lapland satellite data (IMAGE2000) and forest interpretation from satellite data (IMAGE2000) (tree heights)
9	507	Forest interpretation from satellite data (IMAGE2000) (tree heights)
10	508	Upper Lapland satellite imagery interpretation (IMAGE2000) and high tundra area mask (+75m)
11	509	cos(i) and satellite data interpretation (IMAGE2000)
12	510	Mires, interpreted from Upper Lapland basic topographic maps and Upper Lapland satellite imagery interpretation, crown cover >20% (IMAGE2000)
13	512	MTK topographic database, cos(i) – areas fully in shade
14	513	Forest interpretation from satellite data (IMAGE2000) and SLICES
15	514	Forest interpretation and MTK Rocky areas and mineral soils
16	515	Repair mask for the Upper Lapland satellite imagery interpretation based on the field visits
17	601	MTK silting water areas
18	602	MTK flooded areas (excluding marshes)
19	603	MTK reeds, satellite image interpretation (IMAGE2000)
20	604	MTK silting water areas, forest interpretation (IMAGE2000)
21	606	Correction digitizing for wetlands
22	611	MTK reliction, water interpreted from satellite data (IMAGE2000)
23	612	MTK flooded areas, water interpreted from satellite data (IMAGE2000)
24	613	MTK reeds, satellite image interpretation, water interpreted from satellite data (IMAGE2000)

25	614	MTK paludified areas, forest interpretation from satellite images (IMAGE2000), water interpreted from satellitedata (IMAGE2000)
26	616	Coastal wetlands with corrected digitizing
27	621	MTK open marshes and peat production areas
28	622	MTK marshes with trees and open areas in forest interpretation
29	623	MTK paludified areas and open areas in forest interpretation
30	624	Open marshes with corrected digitizing
31	625	Correcting mask for Upper Lapland marsh and wetlands classes, based on field visits
32	700	CorineLandCover 1990 (pilot)
33	800	Builded area digitizing produced in SYKE
34	900	Cadastral registry from 2001
35	1000	Landuse and forest stand interpretation (SLAM3); industrial areas
36	1100	Gravel pits, digitized by ELY-Centres (Motto information system)
37	1	Corrected digitizations
38	2	Arable land dataset from Agency for Rural Affairs (MAVI) and Ministry of Agriculture and Forestry dataservices (corrected)
39	3	Marshes from SLICES, CLC2000, IMAGE2000 and MTK 2006 (corrected)
40	4	Ranta20
41	5	Digitized gravel pits (corrected)
42	6	Forest interpretation 2000 - Metsätulkinta 2000 (SYKE) ja Forest Interpretation 2006 (Metla) (corrected)

MTK (Maastotietokanta in Finnish) = a topographic database on scale 1:5 000 - 1:10 000 maintained by the National Land Survey of Finland. The printed base maps and digital map products of the National Land Survey are based on the Topographical database. The database is continuously updated. The information covers the whole Finland, except for the northernmost parts of Lapland.

### Age element layer

Age element is an ArcInfo GRID-database, where the known production year of the used source data is in the VALUE-field. The pixels which could not be dated have a nodata in the VALUE-field.

Corine2000 – land cover/land use (25m), age layer has been done based on the Corine2000-land cover/land use (25m) source layer datasets. All pixels based on source data has an age based on the extraction date of the source data.

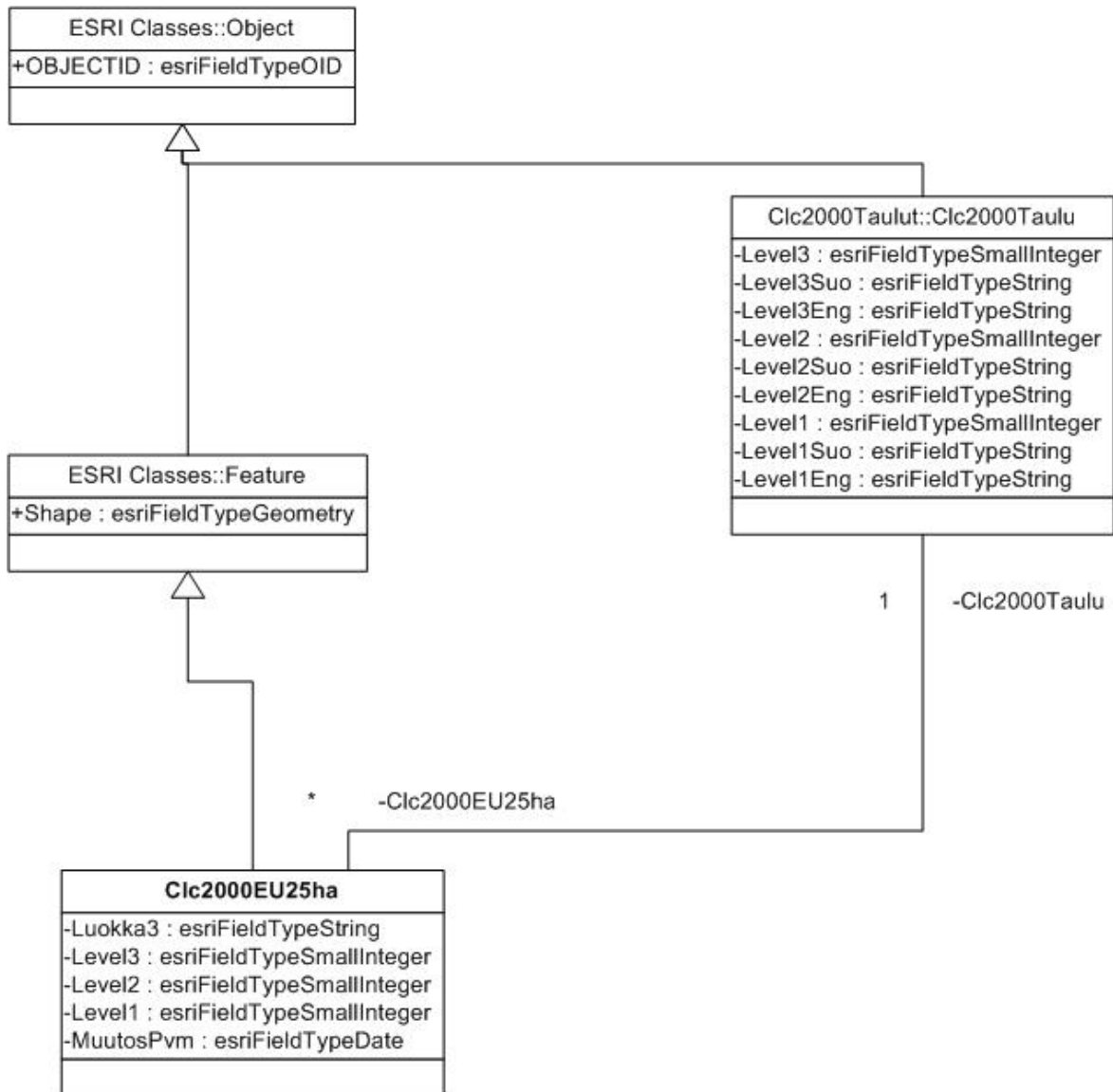
### Source information ages have been identified as follows:

Source data	Age
SLICES	SLICES age layer
MTK	Data extracted 2001
Water, interpreted from satellite images	The year satellite image was taken
Builded areas interpreted from satellite images	The year satellite image was taken
Forestry interpretation from satellite images	The year satellite image was taken
Marshes and open bogs	Depends on the sub-class; MTK 2001, or the year satellite image was taken
CorineLandCover 1990 (pilot)	1990

Data originally digitized in SYKE  
Cadastral registry (RHR2001)  
SLAM3  
Motto

Year when satellite image was taken  
2001  
Dataset production year 1998  
Date linked to the dataset

#### 4. UML-model



## 5. CLC2000- Nomenclature and data sources

\*\* = Classes are not represented in Finland

Level 1	Level 2	Level 3	Level 4	Source
1. Artificial surfaces	1.1 Urban fabric	1.1.1 Continuous urban fabric	1.1.1.0 Continuous urban fabric	SLICES, BDR, semi-automated sat.image interpretation
		1.1.2 Discontinuous urban fabric	1.1.2.0 Discontinuous urban fabric	SLICES, BDR, semi-automated sat.image interpretation
	1.2 Industrial, commercial and transport units	1.2.1 Industrial or commercial units	1.2.1.0 Industrial or commercial units	SLICES, BDR, semi-automated sat.image interpretation, manually digitized areas, SLAM3
		1.2.2 Road and rail networks and associated land	1.2.2.0 Road and rail networks and associated land	SLICES, BDR, semi-automated sat.image interpretation, manually digitized areas
		1.2.3 Port areas	1.2.3.0 Port areas	SLICES, semi-automated sat.image interpretation, manually digitized areas
		1.2.4 Airports	1.2.4.0 Airports	SLICES, semi-automated sat.image interpretation, manually digitized areas
	1.3 Mine, dump and construction sites	1.3.1 Mineral extraction sites	1.3.1.0 Mineral extraction sites	SLICES, The Topographic databas, semi-automated sat.image interpretation, manually digitized areas, MOTTO
		1.3.2 Dump sites	1.3.2.0 Dump sites	SLICES, semi-automated sat.image interpretation, manually digitized areas
		1.3.3 Construction sites	1.3.3.0 Construction sites	manually digitized areas
	1.4 Artificial, non-agricultural vegetated areas	1.4.1 Green urban areas	1.4.1.0 Green urban areas	SLICES
		1.4.2 Sport and leisure facilities	1.4.2.1 Summer cottages	SLICES, BDR
			1.4.2.2 Sport and leisure facilities	SLICES, BDR, semi-automated sat.image interpretation, manually digitized areas
			1.4.2.3 Golf courses	
			1.4.2.4 Trotting tracks	
2. Agricultural areas	2.1 Arable land	2.1.1 Non-irrigated arable land	2.1.1.0 Non-irrigated arable land	SLICES, semi-automated sat.image interpretation
		2.1.2 <i>Permanently irrigated land</i> **		
		2.1.3 <i>Rice fields</i> **		
	2.2 Permanent crops	2.2.1 <i>Vineyards</i> **		
		2.2.2 Fruit trees and berry plantations	2.2.2.0 Fruit trees and berry plantations	SLICES
		2.2.3 <i>Olive groves</i> **		
	2.3 Pastures	2.3.1 Pastures	2.3.1.0 Pastures	SLICES, satellite image interpretation
	2.4 Heterogeneous agricultural areas	2.4.1 <i>Annual crops associated with permanent crops</i> **		
		2.4.2 Complex cultivation		Result of generalization

		2.4.3	Land principally occupied by agriculture, with significant areas of natural vegetation	2.4.3.0	Land principally occupied by agriculture, with significant areas of natural vegetation	SLICES, satellite image interpretation
		2.4.4	Agro-forestry areas			
3. Forests and semi-natural areas	3.1 Forests	3.1.1	Broad-leaved forest	3.1.1.1	Broad-leaved forest in mineral land	satellite image interpretation, The Topographic database
				3.1.1.2	Broad-leaved forest in peatland	satellite image interpretation, The Topographic database, peatland in Northern Finland
		3.1.2	Coniferous forest	3.1.2.1	Coniferous forest in mineral soil	satellite image interpretation, The Topographic database
				3.1.2.2	Coniferous forest in peatland	satellite image interpretation, The Topographic database, peatland in Northern Finland
				3.1.2.2	Coniferous forest in rocky soil	satellite image interpretation, The Topographic database
		3.1.3	Mixed forest	3.1.3.1	Mixed forest in mineral soil	satellite image interpretation, The Topographic database
				3.1.3.2	Mixed forest in peatland	satellite image interpretation, The Topographic database, peatland in Northern Finland
				3.1.3.3	Mixed forest in rocky soil	satellite image interpretation, The Topographic database
	3.2 Shrub and/or herbaceous vegetation associations	3.2.1	Natural grassland	3.2.1.0	Natural grassland	satellite image interpretation
		3.2.2	Moors and heathland	3.2.2.0	Moors and heathland	satellite image interpretation
		3.2.3	<i>Sclerophyllous vegetation</i> **			
		3.2.4	Transitional woodland/shrub	3.2.4.1	Transitional woodland/shrub, cc < 10%	satellite image interpretation
				3.2.4.2	Transitional woodland/shrub, cc 10-30%, in mineral soil	satellite image interpretation, The Topographic database
				3.2.4.3	Transitional woodland/shrub, cc 10-30%, in peatland	satellite image interpretation, The Topographic database, peatland in Northern Finland
				3.2.4.4	Transitional woodland/shrub, cc 10-30%, in rocky soil	satellite image interpretation, The Topographic database
				3.2.4.5	Transitional woodland/shrub, cc < 30%, above timber line	satellite image interpretation, timber line
				3.2.4.6	Transitional woodland/shrub, in energy maintenance areas	SLICES
	3.3 Open spaces with little or no vegetation	3.3.1	Beaches, dunes, and sand plains	3.3.1.0	Beaches, dunes, and sand plains	satellite image interpretation, The Topographic database, manually digitized areas
		3.3.2	Bare rock	3.3.2.0	Bare rock	satellite image interpretation, The Topographic database
		3.3.3	Sparsely vegetated areas	3.3.3.0	Sparsely vegetated areas	satellite image interpretation
		3.3.4	<i>Burnt areas</i> **			
		3.3.5	<i>Glaciers and perpetual snow</i> **			
4. Wetlands	4.1 Inland wetlands	4.1.1	Inland marshes	4.1.1.1	Inland marshes, terrestrial	satellite image interpretation, The Topographic database, manually digitized areas
				4.1.1.2	Inland marshes, aquatic	satellite image interpretation, The Topographic database, manually digitized areas, SLICES

		4.1.2 Peatbogs	4.1.2.1 Peatbogs	satellite image interpretation, The Topographic database, peatland in Northern Finland
			4.1.2.2 Peat production sites	semi-automated sat.image interpretation, The Topographic database, manually digitized areas, SLICES
	4.2 Coastal wetlands	4.2.1 Salt marshes	4.2.1.1 Salt marshes, terrestrial	satellite image interpretation, The Topographic database, manually digitized areas, satellite image interpretation (water bodies)
			4.2.1.2 Salt marshes, aquatic	satellite image interpretation, The Topographic database, manually digitized areas, satellite image interpretation (water bodies), SLICES
		4.2.2 Salines **		
		4.2.3 Intertidal flats **		
5. Water bodies	5.1 Inland waters	5.1.1 Water courses	5.1.1.0 Water courses	satellite image interpretation (water bodies), SLICES, The Topographic database
		5.1.2 Water bodies	5.1.2.0 Water bodies	satellite image interpretation (water bodies), SLICES, The Topographic database
	5.2 Marine waters	5.2.1 Coastal lagoons **		
		5.2.2 Estuaries **		
		5.2.3 Sea and ocean	5.2.3.0 Sea and ocean	satellite image interpretation (water bodies), SLICES, The Topographic database