Corine Land Cover 2006

Document updated: MK 14.12.2011, English version 20.7.2012/ae, 16.11.2012 MK, 18.4.2012MK

Contents

1. Feature Attribute Description

The dataset is located in the INSPIRE2-database.

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Feature Attribute	Description
KohdeTunnus	Id code of the polygon
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

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

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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

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Feature Attribute	Description
KohdeTunnus	Id code of the polygon
Luokka3_00	Class 3 value in the CLC2000-dataset
Luokka3_06	Class 3 value in the CLC2006-dataset
Luokkamuutos CLC2000 - CLC2006	Class change CLC2000 – CLC2006
MuutosTyyppi	R = Actual change
MuutosPvm	Date, when data has been modified in SYKE

2. Classification

The CORINE 2006 classification is hierarchical 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 form "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 attribute table refers to the raster data. Detailed descriptions of classes, source layer information and source age are in the chapter 3.
Official CORINE class definition, see EEA webbsite
http://sia.eionet.europa.eu/CLC2000/classes/index_html

** = Classes are not represented in Finland

Level 1	Level 2	Level 3		Level 4	
1. Artificial surfaces	1.1 Urban fabric	1.1.1	Continuous urban fabric	1.1.1.0	Continuous urban fabric
		1.1.2	Discontinuous urban fabric	1.1.2.0	Discontinuous urban fabric
	1.2 Industrial, commercial and transport units	1.2.1	Industrial or commercial units	1.2.1.0	Industrial or commercial units
		1.2.2	Road and rail networks and associated land	1.2.2.0	Road and rail networks and associated land
		1.2.3	Port areas	1.2.3.0	Port areas
		1.2.4	Airports	1.2.4.0	Airports
	1.3 Mine, dump and construction sites	1.3.1	Mineral extraction sites	1.3.1.0	Mineral extraction sites
		1.3.2	Dump sites	1.3.2.0	Dump sites
		1.3.3	Construction sites	1.3.3.0	Construction sites
	1.4 Artificial, non-agricultural vegetated areas	1.4.1	Green urban areas	1.4.1.0	Green urban areas
		1.4.2	Sport and leisure facilities	1.4.2.1	Summer cottages
				1.4.2.2	Sport and leisure facilities
				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
		2.1.2	*Permanently irrigated land **		
		2.1.3	*Rice fields **		
	2.2 Permanent crops	2.2.1	*Vineyards **		
		2.2.2	Fruit trees and berry plantations	2.2.2.0	Fruit trees and berry plantations
		2.2.3	*Olive groves **		
	2.3 Pastures	2.3.1	Pastures	2.3.1.0	Pastures
	2.4 Heterogeneous agricultural areas	2.4.1	*Annual crops associated with permanent crops **		
		2.4.2	Complex cultivation		

		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
		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
				3.1.1.2	Broad-leaved forest in peatland
		3.1.2	Coniferous forest	3.1.2.1	Coniferous forest in mineral soil
				3.1.2.2	Coniferous forest in peatland
				3.1.2.2	Coniferous forest in rocky soil
		3.1.3	Mixed forest	3.1.3.1	Mixed forest in mineral soil
				3.1.3.2	Mixed forest in peatland
				3.1.3.3	Mixed forest in rocky soil
	3.2 Shrub and/or herbaceous vegetation associations	3.2.1	Natural grassland	3.2.1.0	Natural grassland
		3.2.2	Moors and heathland	3.2.2.0	Moors and heathland
		3.2.3	*Sclerophyllous vegetation ** *		
		3.2.4	Transitional woodland/shrub	3.2.4.1	Transitional woodland/shrub, cc < 10%
				3.2.4.2	Transitional woodland/shrub, cc 10-30%, in mineral soil
				3.2.4.3	Transitional woodland/shrub, cc 10-30%, in peatland
				3.2.4.4.	Transitional woodland/shrub, cc 10-30%, in rocky soil
				3.2.4.5	Transitional woodland/shrub, cc < 30%, above timber line
				3.2.4.6	Transitional woodland/shrub, in energy maintenance areas
	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
		3.3.2	Bare rock	3.3.2.0	Bare rock
		3.3.3	Sparsely vegetated areas	3.3.3.0	Sparsely vegetated areas
		3.3.4	*Burnt areas ** *		
		3.3.5	*Glaciers and prepetual snow ** *		
4. Wetlands	4.1 Inland wetlands	4.1.1	Inland marshes	4.1.1.1	Inland marshes, terrestrial
				4.1.1.2	Inland marshes, aquatic
		4.1.2	Peatbogs	4.1.2.1	Peatbogs
				4.1.2.2	Peat production sites
	4.2 Coastal wetlands	4.2.1	Salt marshes	4.2.1.1	Salt marshes, terrestrial
				4.2.1.2	Salt marshes, aquatic
		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
		5.1.2	Water bodies	5.1.2.0	Water bodies
	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

3. Additional Information

Source element layer

The VALUE field in the Source data attribute table stands for pixel source data for CLC2006 land use / land cover (25m) raster.

Value	Code	Source data
1	100	Corine Land Cover 2000
2	200	Building and Dwelling Register 2006 (Rakennus- ja huoneistorekisteri)
3	300	Digiroad 2005
4	400	Shores in scale 1:10000
5	510	Topo-railroads 2006
6	520	MTK-bogs 2006
7	521	MTK-bogs 2006 + Interpretation of land cover in forests 2006 (Metla)
8	522	MTK-bogs 2006 + Interpretation of land cover in forests 2006 (Metla) + Ranta10
9	523	MTK-bogs 2006 + Ranta10 dataset
10	530	MTK-bogs 2007
11	540	MTK-rocky areas 2006
12	541	MTK-rocky areas 2006 + Interpretation of land cover in forests 2006 (Metla)
13	600	Slices 2005
14	601	Slices 2005 + Interpretation of land cover in forests 2006 (Metla)
15	700	Agricultural land parcel database , The Finnish Land Parcel Identification System (FLPIS) from Association for Rural Affairs and Ministry of Agriculture and Forestry Information centre
16	701	Agricultural land parcel database The Finnish Land Parcel Identification System (FLPIS) from Association for Rural Affairs and Ministry of Agriculture and Forestry Information centre + Interpretation of land cover in forests 2006 (Metla)
17	810	Interpretation of land cover in forests 2006 (Metla)
18	811	Interpretation of land cover in forests 2006 (Metla) + MTK-rocky areas 2006
19	812	Interpretation of land cover in forests 2006 (Metla) + MTK-bogs 2006
20	820	Interpretation of land cover in forests 2000 (SYKE)
21	821	Interpretation of land cover in forests 2000 (SYKE) + MTK-rocky areas 2006
22	822	Interpretation of land cover in forests 2000 (SYKE) + MTK-bogs 2006
23	830	Interpretation of land cover in forests 2000 (SYKE) + Interpretation of land over in forests 2006 (Metla) + IMAGE2000 + IMAGE2006 + IMAGE2007(DTM)
24	831	Interpretation of land cover in forests 2000 (SYKE) + Interpretation of land cover in forests 2006 (Metla) + IMAGE2000 + IMAGE2006 + IMAGE2007(DTM) + MTK-rocky areas 2006
25	832	Interpretation of land cover in forests 2000 (SYKE) + Interpretation of land cover in forests 2006 (Metla) + IMAGE2000 + IMAGE2006 + IMAGE2007(DTM) + MTK-bogs 2006
26	840	Estimation of land cover in northernmost Finland 2006 (SYKE)
27	850	Estimation of land cover in northernmost Finland 2000 (SYKE)

28	900	IMAGE2006
29	901	Digitized data, interpreted IMAGE2006
30	902	Digitized data + Slices 2005 + Dump sites 2007
31	903	Digitized data + MTK-rocky areas 2006 + Artificial areas updated based on satellite images + Soil extraction sites, digitized by local environmental centres (Motto) + Slices 2005
32	904	Digitized data + Building and Dwelling Register 2006 + Build-up areas updated based on satellite images

Topo = 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.
SLICES = The SLICES Land use element is a combination of different national GIS databases owned and updated by different organizations. In the CLC2006 production the SLICES land use element (25x25m) was utilized mainly in production of artificial surfaces and agricultural areas and peat production areas.
NFI = National forest inventory by the Finnish Forest Research Institute Metla
SYKE (Suomen ympäristökeskus) = Finnish Environment Institute

Age element layer

Age element is an ArcInfo GRID-database, where the known production year of the source data is in the VALUE-field. The pixels having more than one source data have are given an age of the most substantial data source. Pixels which could not be dated have a nodata in the VALUE-field.

The VALUE field in the Source data attribute table stands for pixel age for CLC2006 land use / land cover (25m) raster.

The age element of the Corine2006 land cover/land use (25m) dataset is produced from the Corine2006-land cover/land use (25m) source element dataset. All pixels have an age based on a age of the source data. Source information ages have been identified as follows:

Material name	Age or extraction year
CorineLandCover 2000	2000
Housing and dwelling register 2006	2006
Digiroad 2005	Data extracted 2005
Ranta10	Data extracted 2003
MTK 2006	Data extracted 2006
MTK 2007	Data extracted 2007
SLICES 2005	2005
Agricultural land parcel database	
The Finnish Land Parcel Identification System (FLPIS) 2006	
Interpretation of land cover in forests 2006 (Metla)	The year when the satellite image was taken
Interpretation of land cover in forests 2000 (SYKE)	2000
Est. of land cover in northernmost Finland 2006	The year when the satellite image was taken
Est. of land cover in northernmost Finland 2000	2000
IMAGE2006	The year when the satellite image was taken
Digitized data	The year when the satellite image was taken

4. UML-model

ESRI Classes::**Object**

+OBJECTID : esriFieldTypeOID

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-Level3 : esriFieldTypeSmallInteger
-Level3Suo : esriFieldTypeString
-Level3Eng : esriFieldTypeString
-Level2 : esriFieldTypeSmallInteger
-Level2Suo : esriFieldTypeString
-Level2Eng : esriFieldTypeString
-Level1 : esriFieldTypeSmallInteger
-Level1Suo : esriFieldTypeString
-Level1Eng : esriFieldTypeString

ESRI Classes::**Feature**

+Shape : esriFieldTypeGeometry

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-KohdeTunnus : esriFieldTypeString
-Luokka3_00 : esriFieldTypeString
-Luokka3_06 : esriFieldTypeString
-Muutos : esriFieldTypeString
-MuutosTyyppi : esriFieldTypeString
-MuutosPvm : esriFieldTypeDate

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-KohdeTunnus : esriFieldTypeString
-Luokka3 : esriFieldTypeString
-Level3 : esriFieldTypeSmallInteger
-Level2 : esriFieldTypeSmallInteger
-Level1 : esriFieldTypeSmallInteger
-MuutosPvm : esriFieldTypeDate