

## LC\_Legend

+Name: **CBC Legend**

+Description: **Set of classes for the CBC reference land cover layer in Bulgaria**

+Author: **Pavel Milenov**

+LCCS Automatic Sort: **True**

+Path:

**D:\MY\_DOCS\ReSAC\CBC\Deliverables\Common\_reference\_database\Methodology\CBC\_Legend\_ver3.lccs**

+View Provider: **LCCS 3 default view provider**

+Classes: **32**

### ● **Mixed Classes**

Contains the mixed classes of the Legend

### ● **LC\_LandCoverClass**

+Name: **Arable land**

+Description: **Managed Annual Herbaceous Vegetation**

+Map Code: **A**

+Horizontal Patterns: **1**

+Characteristics: **0**

### ○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Continuous surface occupied by herbaceous vegetation at different/varying stage of development**

+Cover %: **100.0; 100.0**

+Strata: **1**

### □ **LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Mandatory**

+On Top: **0**

+Elements: **1**

### □ **Herbaceous growth forms**

+Presence Type: **Mandatory**

+Cover %: **100.0; 100.0**

+Leaf Phenology:

#### □ **Annual**

Describe an Annual herbaceous growth form leaf phenology

#### □ **Biennial**

Describe a Biennial herbaceous growth form leaf phenology

+Characteristics: **2**

### □ **Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation

+Sub-characteristics: **2**

#### □ **Crop Rotation**

+Rotation period years: **1.0; 1.0**  
+Sub-characteristics: **0**

**Ploughing**

Describe the ploughing  
+Sub-characteristics: **0**

**Floristic Aspect**

Describe the floristic aspect  
+Sub-characteristics: **1**

**Single Plant Species**

Describe a floristic aspect of single plant species  
+Sub-characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Artificial build up network**  
+Description: **Artificial linear build-up elements, such as roads and railways, with they associated surface (servitutes)**  
+Map Code: **UBN**  
+Horizontal Patterns: **2**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**  
+Description: **Artificial build-up elements, that are either roads or railways**  
+Cover %: **100.0; 100.0**  
+Occurance %: **100.0; 100.0**  
+Strata: **1**

**LC\_Stratum**

+Name: **Abiotic surface 1**  
+Description: **Abiotic surface 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **2**

**Railway**

+Presence Type: **Exclusive**  
+Characteristics: **0**

**Road**

+Presence Type: **Exclusive**

+Characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 2**

+Description: **Natural abiotic or biotic surface that is associated with the linear element**

+Occurance %: **0.0; 100.0**

+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Optional**

+On Top: **0**

+Elements: **2**

**Bare Soil**

+Presence Type: **Exclusive**

+Characteristics: **0**

**Vegetation**

+Presence Type: **Exclusive**

+Characteristics: **0**

**LC\_LandCoverClass**

+Name: **Artificial build up surface**

+Description: **Functional mix of two components. The first component can be artificial surface (other surface) or vegetation - both element are mutually exclusive. The second componenet is artificial build - up surface (building), which can be optional.**

+Map Code: **UBS**

+Horizontal Patterns: **2**

+Characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **One Stratum with two mutually exclusive components - artificial surface and vegetation**

+Occurance %: **100.0; 100.0**

+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Abiotic surface 1**

+Presence Type: **Mandatory**

+On Top: **0**

+Elements: 2

**Other Artificial Surface**  
+Presence Type: **Exclusive**  
+Characteristics: **0**

**Vegetation**  
+Presence Type: **Exclusive**  
+Characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 2**

+Description: **Optional artificial build-up componenet (type: Building)**

+Strata: **1**

**LC\_Stratum**

+Name: **Abiotic surface 1**

+Description: **Abiotic surface 1**

+Presence Type: **Optional**

+On Top: **0**

+Elements: **1**

**Building**

+Presence Type: **Mandatory**

+Characteristics: **0**

**LC\_LandCoverClass**

+Name: **Artificial non-build up surface**

+Description: **Describe the land cover class**

+Map Code: **UN**

+Horizontal Patterns: **1**

+Characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Describe the horizontal pattern**

+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Abiotic surface 1**

+Presence Type: **Mandatory**

+On Top: **0**

+Elements: **1**

**Non Built-Up Surface**

+Presence Type: **Mandatory**  
+Characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Association of crops and natural trees**  
+Description: **Describe the land cover class**  
+Map Code: **ACT**  
+Horizontal Patterns: **2**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**  
+Description: **Describe the horizontal pattern**  
+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Trees**

+Presence Type: **Mandatory**  
+Leaf Phenology:

**Evergreen**

Describe an Evergreen leaf phenology element

+Leaf Type:

**Aphillous**

Describe an Aphillous type element

+Characteristics: **1**

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation  
+Sub-characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 2**  
+Description: **Describe the horizontal pattern**  
+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **3**

**Building**  
+Presence Type: **Optional**  
+Characteristics: **0**

**Herbaceous growth forms**  
+Presence Type: **Mandatory**  
+Characteristics: **1**

**Cultivated And Managed Vegetation**  
Describe the cultivated and managed vegetation  
+Sub-characteristics: **0**

**Shrubs**  
+Presence Type: **Optional**  
+Characteristics: **1**

**Cultivated And Managed Vegetation**  
Describe the cultivated and managed vegetation  
+Sub-characteristics: **0**

● **LC\_LandCoverClass**  
+Name: **Association of herbaceous and woody crops**  
+Description: **Describe the land cover class**  
+Map Code: **AHT**  
+Horizontal Patterns: **2**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**  
+Name: **Horizontal Pattern 1**  
+Description: **Describe the horizontal pattern**  
+Strata: **1**

**LC\_Stratum**  
+Name: **Stratum 1**  
+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Woody Growth Forms**  
+Presence Type: **Mandatory**

+Leaf Phenology:

**Evergreen**

Describe an Evergreen leaf phenology element

+Leaf Type:

**Broadleaved**

Describe a Broadleaved type element

+Characteristics: 1

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation

+Sub-characteristics: 1

**Orchard And Other Plantation**

Describe the orchard and other plantation

+Sub-characteristics: 0

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 2**

+Description: **Describe the horizontal pattern**

+Strata: 1

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Mandatory**

+On Top: 0

+Elements: 1

**Herbaceous growth forms**

+Presence Type: **Mandatory**

+Characteristics: 1

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation

+Sub-characteristics: 0

**LC\_LandCoverClass**

+Name: **Broadleaf Deciduous Forest**

+Description: **Describe the land cover class**

+Map Code: **BDF**

+Horizontal Patterns: 1

+Characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Describe the horizontal pattern**

+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Mandatory**

+On Top: **0**

+Elements: **1**

**Trees**

+Presence Type: **Mandatory**

+Cover %: **100.0; 100.0**

+Leaf Phenology:

**Deciduous**

Describe a Deciduous leaf phenology element

+Leaf Type:

**Broadleaved**

Describe a Broadleaved type element

+Characteristics: **1**

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation

+Sub-characteristics: **0**

**LC\_LandCoverClass**

+Name: **Broadleaf Evergreen Forest**

+Description: **Describe the land cover class**

+Map Code: **BEF**

+Horizontal Patterns: **1**

+Characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Describe the horizontal pattern**

+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Mandatory**

+On Top: **0**



+Elements: 1

**Trees**

+Presence Type: **Mandatory**

+Cover %: **100.0; 100.0**

+Leaf Phenology:

**Evergreen**

Describe an Evergreen leaf phenology element

+Leaf Type:

**Broadleaved**

Describe a Broadleaved type element

+Characteristics: 1

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation

+Sub-characteristics: 0

● **LC\_LandCoverClass**

+Name: **Channels**

+Description: **Describe the land cover class**

+Map Code: **CHN**

+Horizontal Patterns: 1

+Characteristics: 0

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Describe the horizontal pattern**

+Strata: 1

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Abiotic surface**

+Presence Type: **Mandatory**

+On Top: **0**

+Elements: 1

**Water Body**

+Presence Type: **Mandatory**

+Dynamics: **Flowing**

+Characteristics: 1

**Artificiality**

+Type: **Artificial**

+Sub-characteristics: 0

● **LC\_LandCoverClass**

- +Name: **Coniferous Forest**
- +Description: **Describe the land cover class**
- +Map Code: **CF**
- +Horizontal Patterns: **1**
- +Characteristics: **0**

○ **LC\_HorizontalPattern**

- +Name: **Horizontal Pattern 1**
- +Description: **Describe the horizontal pattern**
- +Strata: **1**

**LC\_Stratum**

- +Name: **Stratum 1**
- +Description: **Vegetation 1**
- +Presence Type: **Mandatory**
- +On Top: **0**
- +Elements: **1**

**Trees**

- +Presence Type: **Mandatory**
- +Cover %: **100.0; 100.0**
- +Leaf Phenology:

**Evergreen**

Describe an Evergreen leaf phenology element

+Leaf Type:

**Needleleaved**

Describe a Needleleaved type element

+Characteristics: **1**

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation

+Sub-characteristics: **0**

● **LC\_LandCoverClass**

- +Name: **Consolidated bare surface**
- +Description: **Describe the land cover class**
- +Map Code: **BSC**
- +Horizontal Patterns: **1**
- +Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**  
+Description: **Describe the horizontal pattern**  
+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Abiotic surface 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Rocks Surface**

+Presence Type: **Mandatory**  
+Characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Continuous urban fabric**  
+Description: **Functional mix of two artificial build-up linear and non-linear components (of hard material). Linear build-up elements could have vegetation (ex. trees) on top.**  
+Map Code: **UBC**  
+Horizontal Patterns: **2**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**  
+Description: **Artificial abiotic linear elements (occasionally with vegetation on top)**  
+Cover %: **20.0; 80.0**  
+Occurance %: **100.0; 100.0**  
+Strata: **2**

**LC\_Stratum**

+Name: **Abiotic surface 1**  
+Description: **Abiotic surface 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Linear Surface**

+Presence Type: **Mandatory**  
+Characteristics: **0**

**LC\_Stratum**

+Name: **Vegetation 1**  
+Description: **Vegetation 1**  
+Presence Type: **Optional**  
+On Top: **1**

+Elements: 1

**Vegetation**

+Presence Type: **Mandatory**

+Characteristics: 1

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation

+Sub-characteristics: 0

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 2**

+Description: **Artificial abiotic non-linear elements**

+Cover %: **20.0; 80.0**

+Occurance %: **100.0; 100.0**

+Strata: 1

**LC\_Stratum**

+Name: **Abiotic surface 2**

+Description: **Abiotic surface 1**

+Presence Type: **Mandatory**

+On Top: 0

+Elements: 1

**Non Linear Surface**

+Presence Type: **Mandatory**

+Construction Material: **Hard Material**

+Characteristics: 0

**LC\_LandCoverClass**

+Name: **Discontinuous urban fabric**

+Description: **Functional mix of artificial build-up component and biotic (vegetated) component. The Vegetated component interrupts the artificial surface.**

+Map Code: **UBD**

+Horizontal Patterns: 2

+Characteristics: 0

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Artificial build-up elements**

+Cover %: **30.0; 80.0**

+Occurance %: **100.0; 100.0**

+Strata: 1

**LC\_Stratum**

+Name: **Abiotic surface 1**

+Description: **Abiotic surface 1**

+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Built-up Surface**

+Presence Type: **Mandatory**  
+Characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 2**  
+Description: **Describe the horizontal pattern**  
+Cover %: **30.0; 80.0**  
+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **2**

**Bare Soil**

+Presence Type: **Exclusive**  
+Characteristics: **0**

**Vegetation**

+Presence Type: **Exclusive**  
+Characteristics: **1**

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation  
+Sub-characteristics: **0**

**LC\_LandCoverClass**

+Name: **Family Gardens (cottages)**  
+Description: **Describe the land cover class**  
+Map Code: **FG**  
+Horizontal Patterns: **1**  
+Characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**  
+Description: **Describe the horizontal pattern**  
+Type: **Mosaic of small size agriculture fields**  
+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **3**

**Herbaceous growth forms**

+Presence Type: **Mandatory**  
+Characteristics: **1**

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation  
+Sub-characteristics: **1**

**Field Size**

+Size hectares: **0.01; 1.0**  
+Sub-characteristics: **0**

**Non Linear Surface**

+Presence Type: **Optional**  
+Construction Material: **Light Material**  
+Cover %: **0.0; 20.0**  
+Characteristics: **1**

**Construction Use**

+Type: **Private (family) agriculture use**  
+Sub-characteristics: **0**

**Woody Growth Forms**

+Presence Type: **Optional**  
+Characteristics: **1**

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation  
+Sub-characteristics: **1**

**Field Size**

+Size hectares: **0.01; 1.0**  
+Sub-characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Fragmentary urban fabric**

+Description: **Functional mix of high rise (residential) buildings and the associated vegetated/bare artificial component. This associated surface consisting of biotic and abiotic elements in the same strata has a specific role of urban playground.**

+Map Code: **FUF**

+Horizontal Patterns: **2**

+Characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Build-up area consisting mainly of residential high-rise building organized in well-defined clusters separate one from another.**

+Cover %: **30.0; 60.0**

+Occurance %: **100.0; 100.0**

+Strata: **1**

**LC\_Stratum**

+Name: **Abiotic surface 1**

+Description: **Abiotic surface 1**

+Presence Type: **Mandatory**

+On Top: **0**

+Elements: **2**

**Building**

+Presence Type: **Mandatory**

+Construction Material: **Hard Material**

+Height meter: **10.0; 60.0**

+Characteristics: **1**

**Construction Use**

+Type: **Residential Area**

+Sub-characteristics: **0**

**Road**

+Presence Type: **Optional**

+Characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 2**

+Description: **Intrinsic mix of vegetation and artificial surface**

+Cover %: **40.0; 70.0**

+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Mandatory**

+On Top: **0**

+Elements: **3**

**Other Artificial Surface**  
+Presence Type: **Optional**  
+Characteristics: **1**

**Construction Use**  
+Type: **Urban Playground**  
+Sub-characteristics: **0**

**Other Constructions**  
+Presence Type: **Mandatory**  
+Construction Material: **Hard Material**  
+Characteristics: **1**

**Construction Use**  
+Type: **Transportation Facilities Car Park**  
+Sub-characteristics: **0**

**Vegetation**  
+Presence Type: **Mandatory**  
+Characteristics: **1**

**Cultivated And Managed Vegetation**  
Describe the cultivated and managed vegetation  
+Sub-characteristics: **0**

● **LC\_LandCoverClass**  
+Name: **Greenhouse**  
+Description: **Describe the land cover class**  
+Map Code: **Icc1**  
+Horizontal Patterns: **1**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**  
+Name: **Horizontal Pattern 1**  
+Description: **Describe the horizontal pattern**  
+Strata: **2**

**LC\_Stratum**  
+Name: **Stratum 1**  
+Description: **Abiotic surface 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Other Artificial Surface**



+Presence Type: **Mandatory**  
+Construction Material: **Glass or Plastic Coverage**  
+Characteristics: **0**

**LC\_Stratum**

+Name: **Stratum 2**  
+Description: **Vegetation 2**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **2**

**Herbaceous growth forms**

+Presence Type: **Mandatory**  
+Characteristics: **1**

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation  
+Sub-characteristics: **1**

**Irrigation**

Describe the irrigation  
+Sub-characteristics: **0**

**Woody Growth Forms**

+Presence Type: **Optional**  
+Characteristics: **1**

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation  
+Sub-characteristics: **1**

**Irrigation**

Describe the irrigation  
+Sub-characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Lakes and impoundements**  
+Description: **Describe the land cover class**  
+Map Code: **WL**  
+Horizontal Patterns: **1**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Describe the horizontal pattern**  
+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Abiotic surface**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Water Body**

+Presence Type: **Mandatory**  
+Dynamics: **Standing**  
+Characteristics: **1**

**Artificiality**

+Type: **Natural**  
+Sub-characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Managed Grassland**  
+Description: **Managed Perennial Herbaceous Vegetation**  
+Map Code: **G**  
+Horizontal Patterns: **1**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**  
+Description: **Continuous surface occupied by herbaceous vegetation at different/varying stage of development**  
+Cover %: **100.0; 100.0**  
+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Herbaceous growth forms**

+Presence Type: **Mandatory**  
+Cover %: **100.0; 100.0**  
+Leaf Phenology:

**Perennial**

Describe a Perennial herbaceous growth form leaf phenology

+Characteristics: **1**

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation

+Sub-characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Mixed Broadleaf and Coniferous Forest**

+Description: **Describe the land cover class**

+Map Code: **BCF**

+Horizontal Patterns: **2**

+Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Describe the horizontal pattern**

+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Mandatory**

+On Top: **0**

+Elements: **1**

**Trees**

+Presence Type: **Mandatory**

+Leaf Phenology:

**Deciduous**

Describe a Deciduous leaf phenology element

+Leaf Type:

**Broadleaved**

Describe a Broadleaved type element

+Characteristics: **1**

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation

+Sub-characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 2**

+Description: **Describe the horizontal pattern**

+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Trees**

+Presence Type: **Mandatory**  
+Leaf Phenology:

**Evergreen**

Describe an Evergreen leaf phenology element

+Leaf Type:

**Needleleaved**

Describe a Needleleaved type element

+Characteristics: **1**

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation  
+Sub-characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Natural Grassland**  
+Description: **Managed Perennial Herbaceous Vegetation**  
+Map Code: **N**  
+Horizontal Patterns: **1**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**  
+Description: **Continuous surface occupied by herbaceous vegetation at different/varying stage of development**  
+Cover %: **100.0; 100.0**  
+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Herbaceous growth forms**

+Presence Type: **Mandatory**  
+Cover %: **100.0; 100.0**

+Leaf Phenology:

**Perennial**

Describe a Perennial herbaceous growth form leaf phenology

+Characteristics: 3

**Floristic Aspect**

Describe the floristic aspect

+Sub-characteristics: 1

**Group Of Plant Species**

Describe a floristic aspect as a group of plant species

+Sub-characteristics: 0

**Grazing**

Describe the grazing

+Sub-characteristics: 0

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation

+Sub-characteristics: 0

● **LC\_LandCoverClass**

+Name: **Paddy Rice Field**

+Description: **Managed Waterlogged Annual Herbaceous Vegetation**

+Map Code: **R**

+Horizontal Patterns: 1

+Characteristics: 0

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Continuous surface occupied by herbaceous vegetation at different/varying stage of development**

+Cover %: **100.0; 100.0**

+Strata: **2**

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Mandatory**

+On Top: **0**

+Elements: **1**

**Herbaceous growth forms**

+Presence Type: **Mandatory**

+Cover %: **100.0; 100.0**

+Leaf Phenology:

**Annual**

Describe an Annual herbaceous growth form leaf phenology

**Biennial**

Describe a Biennial herbaceous growth form leaf phenology

+Characteristics: **2**

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation

+Sub-characteristics: **1**

**Irrigation**

+Irrigation Type: **Surface**

+Sub-characteristics: **0**

**Floristic Aspect**

Describe the floristic aspect

+Sub-characteristics: **1**

**Floristic Aspect Species**

+Species Name: **Rice**

+Sub-characteristics: **0**

**LC\_Stratum**

+Name: **Stratum 2**

+Description: **Abiotic surface 2**

+Presence Type: **Mandatory**

+On Top: **0**

+Elements: **1**

**Water Body**

+Presence Type: **Mandatory**

+Cover %: **80.0; 100.0**

+Characteristics: **1**

**Artificiality**

+Type: **Artificial**

+Sub-characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Reservoirs**  
+Description: **Describe the land cover class**  
+Map Code: **WR**  
+Horizontal Patterns: **1**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**  
+Description: **Describe the horizontal pattern**  
+Strata: **1**

□ **LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Abiotic surface**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

□ **Water Body**

+Presence Type: **Mandatory**  
+Dynamics: **Standing**  
+Characteristics: **1**

□ **Artificiality**

+Type: **Artificial**  
+Sub-characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Rivers**  
+Description: **Describe the land cover class**  
+Map Code: **RVR**  
+Horizontal Patterns: **1**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**  
+Description: **Describe the horizontal pattern**  
+Strata: **1**

□ **LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Abiotic surface**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

- Water Body**
  - +Presence Type: **Mandatory**
  - +Dynamics: **Flowing**
  - +Characteristics: **1**

- Artificiality**
  - +Type: **Natural**
  - +Sub-characteristics: **0**

- **LC\_LandCoverClass**

- +Name: **Scrubland**
- +Description: **Describe the land cover class**
- +Map Code: **SL**
- +Horizontal Patterns: **2**
- +Characteristics: **0**

- **LC\_HorizontalPattern**

- +Name: **Horizontal Pattern 1**
- +Description: **Describe the horizontal pattern**
- +Strata: **1**

- LC\_Stratum**

- +Name: **Stratum 1**
- +Description: **Vegetation 1**
- +Presence Type: **Mandatory**
- +On Top: **0**
- +Elements: **2**

- Herbaceous growth forms**

- +Presence Type: **Optional**
- +Characteristics: **1**

- Natural Or Seminatural Vegetation**

- Describe the natural or seminatural vegetation
- +Sub-characteristics: **0**

- Shrubs**

- +Presence Type: **Mandatory**
- +Leaf Phenology:

- Deciduous**

- Describe a Deciduous leaf phenology element

- +Leaf Type:

- Aphyllous**

- Describe an Aphyllous type element



+Characteristics: 1

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation

+Sub-characteristics: 0

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 2**

+Description: **Describe the horizontal pattern**

+Strata: 1

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Mandatory**

+On Top: 0

+Elements: 1

**Herbaceous growth forms**

+Presence Type: **Mandatory**

+Characteristics: 1

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation

+Sub-characteristics: 0

**LC\_LandCoverClass**

+Name: **Shrub Crop**

+Description: **Describe the land cover class**

+Map Code: **S**

+Horizontal Patterns: 1

+Characteristics: 0

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Describe the horizontal pattern**

+Strata: 1

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Mandatory**

+On Top: 0

+Elements: 1

- Shrubs**
  - +Presence Type: **Mandatory**
  - +Leaf Phenology:
    - Evergreen**  
Describe an Evergreen leaf phenology element
  - +Leaf Type:
    - Aphillous**  
Describe an Aphillous type element
- +Characteristics: **1**
  - Cultivated And Managed Vegetation**  
Describe the cultivated and managed vegetation
  - +Sub-characteristics: **0**

● **LC\_LandCoverClass**

- +Name: **Tree Crop**
- +Description: **Describe the land cover class**
- +Map Code: **T**
- +Horizontal Patterns: **1**
- +Characteristics: **0**

○ **LC\_HorizontalPattern**

- +Name: **Horizontal Pattern 1**
- +Description: **Describe the horizontal pattern**
- +Strata: **1**

**LC\_Stratum**

- +Name: **Stratum 1**
- +Description: **Vegetation 1**
- +Presence Type: **Mandatory**
- +On Top: **0**
- +Elements: **1**

**Trees**

- +Presence Type: **Mandatory**
- +Cover %: **80.0; 100.0**
- +Leaf Phenology:

**Evergreen**

Describe an Evergreen leaf phenology element

+Leaf Type:

**Broadleaved**

Describe a Broadleaved type element

+Characteristics: 1

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation

+Sub-characteristics: 1

**Orchard And Other Plantation**

Describe the orchard and other plantation

+Sub-characteristics: 0

● **LC\_LandCoverClass**

+Name: **Tree Plantation**

+Description: **Describe the land cover class**

+Map Code: **P**

+Horizontal Patterns: 1

+Characteristics: 0

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Describe the horizontal pattern**

+Strata: 1

**LC\_Stratum**

+Name: **Stratum 1**

+Description: **Vegetation 1**

+Presence Type: **Mandatory**

+On Top: 0

+Elements: 1

**Trees**

+Presence Type: **Mandatory**

+Cover %: **100.0; 100.0**

+Leaf Phenology:

**Evergreen**

Describe an Evergreen leaf phenology element

+Leaf Type:

**Aphillous**

Describe an Aphillous type element

+Characteristics: 1

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation

+Sub-characteristics: 1

- Forest Plantation**  
Describe the forest plantation  
+Sub-characteristics: **0**

- **LC\_LandCoverClass**

- +Name: **Unconsolidated bare surface**
- +Description: **Describe the land cover class**
- +Map Code: **BSN**
- +Horizontal Patterns: **1**
- +Characteristics: **0**

- **LC\_HorizontalPattern**

- +Name: **Horizontal Pattern 1**
    - +Description: **Describe the horizontal pattern**
    - +Strata: **1**

- LC\_Stratum**

- +Name: **Stratum 1**
      - +Description: **Abiotic surface 1**
      - +Presence Type: **Mandatory**
      - +On Top: **0**
      - +Elements: **1**

- Soil Sand Deposit Surface**

- +Presence Type: **Mandatory**
        - +Characteristics: **0**

- **LC\_LandCoverClass**

- +Name: **Urban Vegetated Areas**
- +Description: **Managed Permanent Vegetation, that is an integral part of the green infrastructure of the urban area (cemeteries included)**
- +Map Code: **UV**
- +Horizontal Patterns: **1**
- +Characteristics: **0**

- **LC\_HorizontalPattern**

- +Name: **Horizontal Pattern 1**
    - +Description: **Managed Permanent Vegetation, in urban area (cemeteries included). Artificial linear or non-linear structures might be present in the same strata.**
    - +Cover %: **100.0; 100.0**
    - +Occurance %: **100.0; 100.0**
    - +Strata: **1**

**LC\_Stratum**

+Name: **Strata 1**  
+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **3**

**Linear Surface**

+Presence Type: **Optional**  
+Characteristics: **0**

**Non Linear Surface**

+Presence Type: **Optional**  
+Characteristics: **0**

**Vegetation**

+Presence Type: **Mandatory**  
+Characteristics: **1**

**Cultivated And Managed Vegetation**

Describe the cultivated and managed vegetation  
+Sub-characteristics: **1**

**Urban Park**

Describe the urban park  
+Sub-characteristics: **0**

● **LC\_LandCoverClass**

+Name: **Waterlogged Forest**  
+Description: **Describe the land cover class**  
+Map Code: **WLF**  
+Horizontal Patterns: **1**  
+Characteristics: **0**

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**  
+Description: **Describe the horizontal pattern**  
+Strata: **2**

**LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **1**

**Trees**

+Presence Type: **Mandatory**

+Leaf Phenology:

**Evergreen**

Describe an Evergreen leaf phenology element

+Leaf Type:

**Aphillous**

Describe an Aphillous type element

+Characteristics: 1

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation

+Sub-characteristics: 0

**LC\_Stratum**

+Name: **Stratum 2**

+Description: **Abiotic surface 2**

+Presence Type: **Mandatory**

+On Top: 0

+Elements: 1

**Water Body**

+Presence Type: **Mandatory**

+Periodic Variation:

**Periodic Variation**

+Period Type: **Atmospheric**

+Persistence Units: **Days**

+Characteristics: 0

● **LC\_LandCoverClass**

+Name: **Waterlogged Vegetation**

+Description: **Describe the land cover class**

+Map Code: **WV**

+Horizontal Patterns: 1

+Characteristics: 0

○ **LC\_HorizontalPattern**

+Name: **Horizontal Pattern 1**

+Description: **Describe the horizontal pattern**

+Strata: 2

- LC\_Stratum**
  - +Name: **Stratum 1**
  - +Description: **Vegetation 1**
  - +Presence Type: **Mandatory**
  - +On Top: **0**
  - +Elements: **2**
    - Herbaceous growth forms**
      - +Presence Type: **Mandatory**
      - +Characteristics: **0**
    - Shrubs**
      - +Presence Type: **Optional**
      - +Characteristics: **0**

- LC\_Stratum**
  - +Name: **Stratum 2**
  - +Description: **Abiotic surface 2**
  - +Presence Type: **Mandatory**
  - +On Top: **0**
  - +Elements: **1**
    - Water Body**
      - +Presence Type: **Mandatory**
      - +Characteristics: **1**
        - Artificiality**
          - +Type: **Natural**
          - +Sub-characteristics: **0**

- **LC\_LandCoverClass**
  - +Name: **Woodland**
  - +Description: **Describe the land cover class**
  - +Map Code: **WD**
  - +Horizontal Patterns: **2**
  - +Characteristics: **0**
  - LC\_HorizontalPattern**
    - +Name: **Horizontal Pattern 1**
    - +Description: **Describe the horizontal pattern**
    - +Strata: **1**
      - LC\_Stratum**
        - +Name: **Stratum 1**
        - +Description: **Vegetation 1**

+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **2**

**Shrubs**

+Presence Type: **Optional**  
+Characteristics: **1**

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation  
+Sub-characteristics: **0**

**Trees**

+Presence Type: **Mandatory**  
+Leaf Phenology:

**Evergreen**

Describe an Evergreen leaf phenology element

+Leaf Type:

**Aphillous**

Describe an Aphillous type element

+Characteristics: **1**

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation  
+Sub-characteristics: **0**

**LC\_HorizontalPattern**

+Name: **Horizontal Pattern 2**  
+Description: **Describe the horizontal pattern**  
+Strata: **1**

**LC\_Stratum**

+Name: **Stratum 1**  
+Description: **Vegetation 1**  
+Presence Type: **Mandatory**  
+On Top: **0**  
+Elements: **2**

**Herbaceous growth forms**

+Presence Type: **Mandatory**  
+Characteristics: **1**

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation



+Sub-characteristics: **0**

**Shrubs**

+Presence Type: **Optional**

+Characteristics: **1**

**Natural Or Seminatural Vegetation**

Describe the natural or seminatural vegetation

+Sub-characteristics: **0**