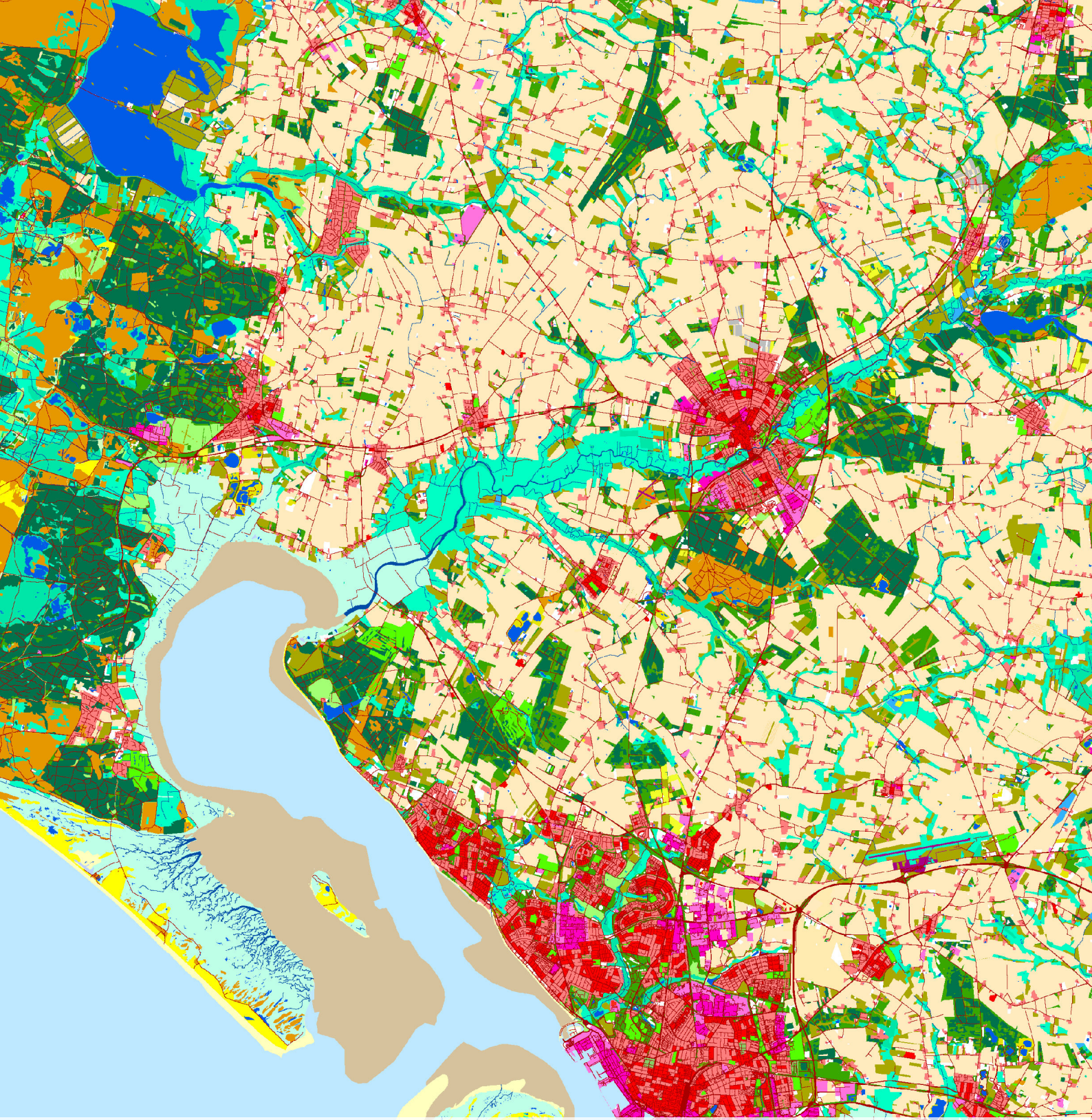

BASEMAP05

Documentation of the data and method for elaboration of a land use and land cover map for Denmark

Technical Report from DCE – Danish Centre for Environment and Energy No. 363 2025

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Data sheet

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Abstract: As a response to a lack of an up-to-date nationwide map of land use and land cover for Denmark, Aarhus University and University of Copenhagen produced the first version of Basemap in 2011. The novelty of Basemap was that it combined existing thematic geographic information into one land-use/land-cover map for Denmark. Furthermore, the map was dynamic in the sense that spatial modelling and input data could be adapted to different purposes and research needs. The first version of Basemap has been widely applied in research and advisory projects by research institutions, public agencies and private companies. In 2016 and in 2019, Statistics Denmark financed an updated version of Basemap for the years 2016 (Basemap02), 2018 (Basemap03) and 2021 (Basmap04). These updated versions were different in the sense that more of the original input information is included in the final map. In 2025, Statistics Denmark financed a fifth version of Basemap. Basemap05 is based on spatial information for the year 2024 and largely follows the methodology of the previous versions, though with minor changes and additions. Furthermore, the aggregated version of Basemap05 now follows EUROSTAT's ecosystem typology. To enable comparison over time Basemap05 also includes updated versions for the years 2011, 2018 and 2021.

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Contents

Preface **5**

Sammenfatning **6**

Summary **7**

1 Introduction **8**

2 Applied data **9**
2.1 Topographical database 9
2.2 Management plans for state forests 9
2.3 Management plans for defence holdings 9
2.4 Map of protected habitat types 9
2.5 Natura2000 habitat types 10
2.6 Field parcel map 10
2.7 Field block map 10
2.8 Cadastre map 10
2.9 Seabed sediment map 10
2.10 Corine Land Cover 11
2.11 Dominant leaf type 11
2.12 CLCplus Backbone 11

3 Method **12**
3.1 Assigning object codes 12
3.2 Conversion from vector to raster 13
3.3 Overlay 14
3.4 Elimination of unclassified cells 17
3.5 Elimination of slivers 19
3.6 Agricultural census data 21
3.7 Final overlay 24
3.8 Aggregation of land use / land cover categories 24
3.9 Mapping continuous and discontinuous settlement 27
3.10 Basemap for 2011, 2018 and 2021 29

4 Results **32**
4.1 Land use / land cover changes 32
4.2 Spatially explicit land use / land cover changes 36
4.3 Changes to and from unclassified land 38

5 Discussion and conclusion **39**

6 References and data sources **40**

7 Appendix **42**
7.1 Appendix 1: Applied EU ecosystem typology 42
7.2 Appendix 2: Aggregation of Basemap codes to EU ecosystem types level 3 46

Preface

Statistics Denmark has requested Aarhus University, Department of Environmental Science, to elaborate an up-to-date nationwide map of land use / land cover for Denmark, called Basemap05. Basemap05 is based on a combination of publicly available data containing spatially explicit information about land use and land cover. Statistics Denmark uses Basemap05 to produce national land use / land cover statistics and land accounts, as part of Green National Accounts.

This report describes the applied data and documents the methodology developed to elaborate Basemap05.

In the beginning of 2026, Basemap05 will be made available to the public on the webpage of Aarhus University. Aarhus University, Department of Environmental Science disclaims all responsibility for how and for what purposes the map may be applied. The map is not legally binding and cannot stand alone in handling any case regarding land use and/or land cover.

Sammenfatning

Som svar på en generel mangel på et nationalt kort over arealanvendelse/arealdække for Danmark, udarbejdede Aarhus og Københavns Universiteter i 2011 den første version af Basemap (Levin et al., 2012). Basemap var nyt i den forstand, at det kombinerede eksisterende geografisk information til et landsdækkende kort over arealanvendelse/arealdække. Derudover var Basemap dynamisk på den måde, at anvendte modeller og data kunne tilpasses forskellige formål og forskningsbehov. Den første version af Basemap er blevet anvendt meget bredt indenfor både forskning og rådgivning af forskningsinstitutioner, offentlige styrelser og private virksomheder. I 2016, 2019 og 2022 finansierede Danmarks Statistik opdaterede versioner af Basemap for årene 2016 (Levin et al., 2017), 2018 (Levin, 2019) og 2021 (Levin, 2022). De opdaterede versioner adskilte sig fra den første ved, at så meget som muligt af den oprindelige arealinformation fra de anvendte data er inkluderet i det endelige kort. Dette sikrer en større mulighed for at brugeren kan aggregere og kombinere arealklasser i forhold til specifikke formål og forskningsspørgsmål. I 2025 finansierede Danmarks Statistik en femte version af Basemap. Basemap05, som er baseret på geografisk information for året 2024, følger metoden fra de tidligere versioner med enkelte tilpasninger. Desuden følger den aggregerede version af Basemap05 nu EUROSTATs økosystemtypologi (EUROSTAT 2023). For at muliggøre sammenligning over tid indeholder Basemap05 også opdaterede versioner for årene 2011, 2018 og 2021, som med hensyn til anvendte data og metoder er i overensstemmelse med Basemap05 for 2024.

Summary

As a response to a lack of an up-to-date nationwide map of land use and land cover for Denmark, Aarhus University and Copenhagen University produced the first version of Basemap in 2011 (Levin et al., 2012). The novelty of Basemap was that it combined existing thematic geographic information into one land use/land cover map for Denmark. Furthermore, Basemap was dynamic in the sense that spatial modelling and input data could be adapted to different purposes and research needs. The first version of Basemap has been widely applied in research and advisory projects by research institutions, public agencies and private companies. In 2016 and in 2019, Statistics Denmark financed updated versions of Basemap for the years 2016 (Levin et al., 2017), 2018 (Levin 2019) and 2021 (Levin 2022). These updated versions differed from the first version in the sense that most of the original land use and land cover information is included in the final map. This ensures improved options for the user to aggregate and combine area categories for specific purposes and research questions. In 2025, Statistics Denmark financed a fifth version of Basemap. Basemap05 is based on spatial information for the year 2024 and follows the methodology of the previous version with minor adjustments. Furthermore, the aggregated version of Basemap05 now follows EUROSTAT's ecosystem typology (EUROSTAT 2023). To enable comparison over time Basemap05 also includes updated versions for the years 2011, 2018 and 2021, which in terms of applied data and methodologies are consistent with Basemap05 for 2024.

1 Introduction

This report contains the technical documentation of Basemap05. The report is structured as follows: Chapter 2 contains a description of the applied data. In Chapter 3, the applied methods in terms of data processing and modelling are described. In Chapter 4, some main results are presented. A general discussion and conclusions are provided in Chapter 5.

In the report, the following terminology is applied:

- Land use refers to the use of a specific area of land, e.g. agriculture or recreation. Land cover refers to the biophysical characteristics of a specific area of land, e.g. sand or water. Since applied datasets for Basemap05 contain information about both land use and land cover, the term land use/land cover (LULC) is used in this report. For a more detailed discussion of the terms land use and land cover, see Jepsen and Levin (2013).
- Land use / land cover (LULC) categories refer to a specific categorisation of LULC. For Basemap05, LULC-categories are assigned a LULC code and a LULC name.
- An object is the smallest unit in a dataset. E.g., each field parcel in the field parcel map represents one individual object.
- The original object ID is the identification key for objects in applied datasets. Object IDs can be numbers or text strings.
- The Basemap Object ID is an individual number, assigned to each object, included in the map.
- Object types refer to groups of objects belonging to the same LULC-category.
- The term dataset refers to collections of data, originating from one source, produced, and supplied by one institutional body. One dataset can contain multiple objects and object types.
- A layer is one map layer with multiple objects and LULC-categories, which can originate from different datasets.
- Vector data are spatial data, where objects are organised as either lines or polygon features.
- Raster data are spatial data, organised in raster cells.
- The term overlay refers to the spatial combination or two or more layers, into one layer, where each cell in a raster layer contains information from all applied layers.

2 Applied data

In the following sections, all datasets which are applied to Basemap05, are presented. Applied data are from 2024 or, if not available for 2024 for the most recent date. The applied datasets and object types, which are included in Basemap05, are listed in the appendix.

2.1 Topographical database

The Danish topographical database provides basic topographical data. Until 2017, the database was named Kort10 and since 2017, it is named GeoDanmark. For this report, topographical data are referred to as the Topographical Database. The method used to identify and categorise objects is a combination of in situ observation and orthophoto interpretation. The topographical database is kept up to date by the Agency for Climate Data together with Danish municipalities (GeoDanmark, 2024). Although data are updated continuously, present datasets can contain information, which is up to four years old. From the topographical database, 76 object types are included in Basemap05. The version from December 2024 is applied. (Agency for Climate Data, 2024a).

2.2 Management plans for state forests

Approx. 4.5 % of the Danish terrestrial area is composed of state forests, which are managed by the Danish Nature Agency (NST). These areas consist primarily of forested land and other habitat types. For these areas a census mapping has been conducted. From the map, which is based on in situ observations, 75 object types are included in Basemap05. The version from December 2024 is applied (Danish Nature Agency, 2024).

2.3 Management plans for defence holdings

Approx. 0.6 % of the Danish terrestrial area is composed of defence holdings, owned and managed by the Danish Defence. These areas consist primarily of a mixture of forest and other habitat types. As for state forests, a census mapping has been conducted for these areas. From the map, 65 object types are included in Basemap05. The version from March 2025 is applied (Danish Defence, 2025).

2.4 Map of protected habitat types

The map of protected habitats is a national registration of habitats, which, according to the § 3 in the Danish Nature Protection Act (Danish Ministry of Environment, 2019), are protected against direct physical changes. The map contains six habitat types: freshwater meadows, dry meadows, coastal meadows, heather, bogs/mires and lakes/ponds. Habitats are registered if they fulfil specific biophysical criteria (mainly soil conditions and vegetation composition) and if a single habitat patch or patches that are spatially connected have a total area of at least 2,500 m² (100 m² for ponds) (Danish Nature Agency, 2009). The Danish municipalities are responsible for the maintenance of the map. The methods used to identify and categorize habitat types vary across the country but are generally a combination of in situ observation and airphoto interpretation. The version from December 2024 is applied (Arealinformation, 2024a).

2.5 Natura2000 habitat types

This dataset is mapped by the Agency for Green Transition and Aquatic Environment and covers Special Areas of Conservation with all habitat types included in the EU-habitat directive (Directive 1992/43/EC) located within Natura2000 designated areas, which comprise approximately 8.3 % of the Danish land area. The map is based on in-situ observations combined with air-photo interpretation. 50 habitat types are included in Basemap05. The version from December 2024 is applied (Arealinformation, 2024b).

2.6 Field parcel map

The agricultural information applied to Basemap is based on data from the Integrated Administration and Control System (IACS), which is derived from the Danish agricultural register for 2024. The register is updated annually and, since 1998, Danish farmers have been obliged to provide detailed information on area and type of land use for each agricultural field. Data are reported with reference to the specific field parcel for which agricultural subsidy applications are made. Since 2011, nationwide digital field parcel maps have been available. For Basemap05 the field parcel map from May 2024 is applied (Danish Agricultural Agency, 2024a). The map contains 635,931 individual field parcels and 303 land use categories.

2.7 Field block map

The field block map is used for administration of EU-subsidies. The field block map demarcates land within which farmers can apply for EU-subsidies. One field block can contain up to 10 individual field parcels. For Basemap, the field block map is applied as an addition to the field parcel map to represent agricultural land, where no field parcels are registered in the field parcel map. For Basemap04 the field block map from May 2024 is applied (Danish Agricultural Agency, 2024b). The map contains 411,464 individual field blocks.

2.8 Cadastre map

The cadastre map is administered by the Danish Geodata Agency and is supplied by the Agency for Climate Data. The map contains approx. 2.5 million individual cadastres, which are legally binding property units. The map also contains some information on land use and land cover. From the cadastre map from December 2024 (Agency for Climate Data, 2024b), road cadastres are extracted to delineate roads and railway cadastres to delineate railways. Furthermore, cadastres, which are designated for shore protection are applied to delineate coastal shores.

2.9 Seabed sediment map

The seabed sediment map shows the distribution of seabed sediments in Danish waters. It is a geological map based mainly on seismic and acoustic background data calibrated from sediment samples. For Basemap05 the 2nd version (Geological Survey of Denmark and Greenland 2020) is applied to map marine ecosystems, and 7 object types are included.

2.10 Corine Land Cover

Corine Land Cover Provides pan-European CORINE Land Cover inventory for 44 thematic classes for the 2018 reference year. The dataset is provided by the Copernicus Land Monitoring Service under the European Environmental agency. It has a Minimum Mapping Unit (MMU) of 25 hectares (ha) for areal phenomena and a Minimum Mapping Width (MMW) of 100 m for linear phenomena. For Basemap05 the vector version of Corine Land Cover for the year 2018 (Copernicus Land Monitoring Service 2025a) is applied to map marine ecosystems and 2 object types are included.

2.11 Dominant leaf type

The Copernicus Land Monitoring Service under the European Environmental Agency provides public access to a variety of pan-European thematic map layers. For Basemap05 the dominant leaf type map is applied. This raster map with a 10x10 meter cell size divides all tree cover into broad-leaved and coniferous trees and is based on radar- and multi-spectral data from Sentinel 1 and Sentinel 2 satellites from 2023 (Copernicus Land Monitoring Service 2025b).

2.12 CLCplus Backbone

The CLCplus Backbone 2023 is a geospatial 10x10 meter raster product containing 11 basic land cover classes and is based on a time series of high-resolution Sentinel-2 satellite imagery. For Basemap05 version for 2023 (Copernicus Land Monitoring Service 2025c) was used. The land cover class “sealed” is applied to classify settlement into continuous and discontinuous settlement (see section3.9).

3 Method

The diagram in Figure 3.1 illustrates the different steps in data processing. All vector input layers are converted to raster format. Next, the different input raster layers are overlaid and spatially adjusted in several steps, resulting in a total of seven output raster layers. In the next sections, the single processing steps and output layers are described in more detail.

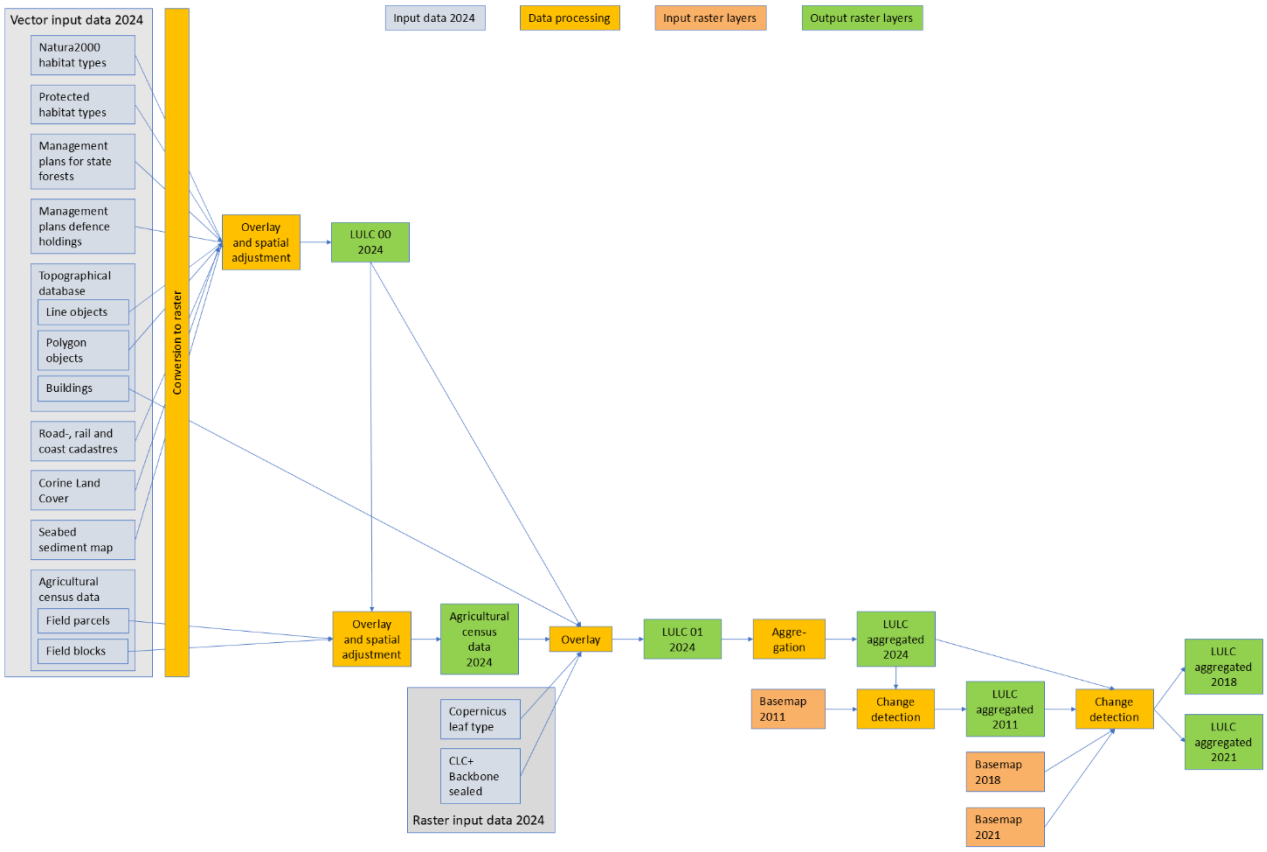


Figure 3.1. Illustration of data processing. Vector input data are converted to raster format and subsequently processed (yellow boxes), resulting in 7 final output raster layers (green boxes).

3.1 Assigning object codes

In the original input datasets, object IDs are diverse and range from text strings to numbers. To keep the original land use / land cover (LULC) information, for Basemap each object type from each input layer is assigned an individual Basemap object code and object name. The object code consists of a number with eight digits. The first two digits refer to the data source. The next four digits refer to the object type. For object types, which contain sub types, the last two digits refer to the sub type. E.g. for the object type "50990204 Basin, wastewater treatment plant", the first two digits "50" refer to the source dataset, in this case the topographical database. The next four digits "9902" refer to the object type "basin". The last two digits "04" refer to the sub type "wastewater treatment plant". The application of individual object codes implies that, for instance lakes from the topographical database have a different object code than lakes from the map of protected habitat types

or lakes from the management plans of state forests. In total, Basemap05 contains 595 individual object codes and names. Object codes and object names appear from the table in Appendix 1.

For layers from agricultural census data the individual object ID for each object is applied. E.g. for the field parcel layer, the object ID for each field parcel is kept in the raster. This means that other farm-specific information, such as animal husbandry or subsidies for environmental schemes, contained in the agricultural registers, can be linked to Basemap. For all other input layers, rasterized layers only contain the object code.

3.2 Conversion from vector to raster

As spatial reference, the coordinate system ETRS 1989 UTM Zone 32N, which is consistent with the Danish square grid, is applied. All input data, which have a different projection, are re-projected to ETRS 1989 UTM Zone 32N. Next, all vector input data are converted to raster format with a cell size of 10x10 meters. Figure 3.2 illustrates the conversion to raster for an extract of the field parcel map. The conversion from vector to raster format entails a spatial generalisation. However, considering the spatial accuracy of applied input layers, which is generally between 5 – 10 meters, a cell size of 10x10 meters is considered reasonable. Furthermore, compared to data processing in vector format, processing in raster format is substantially faster, simpler and more consistent.

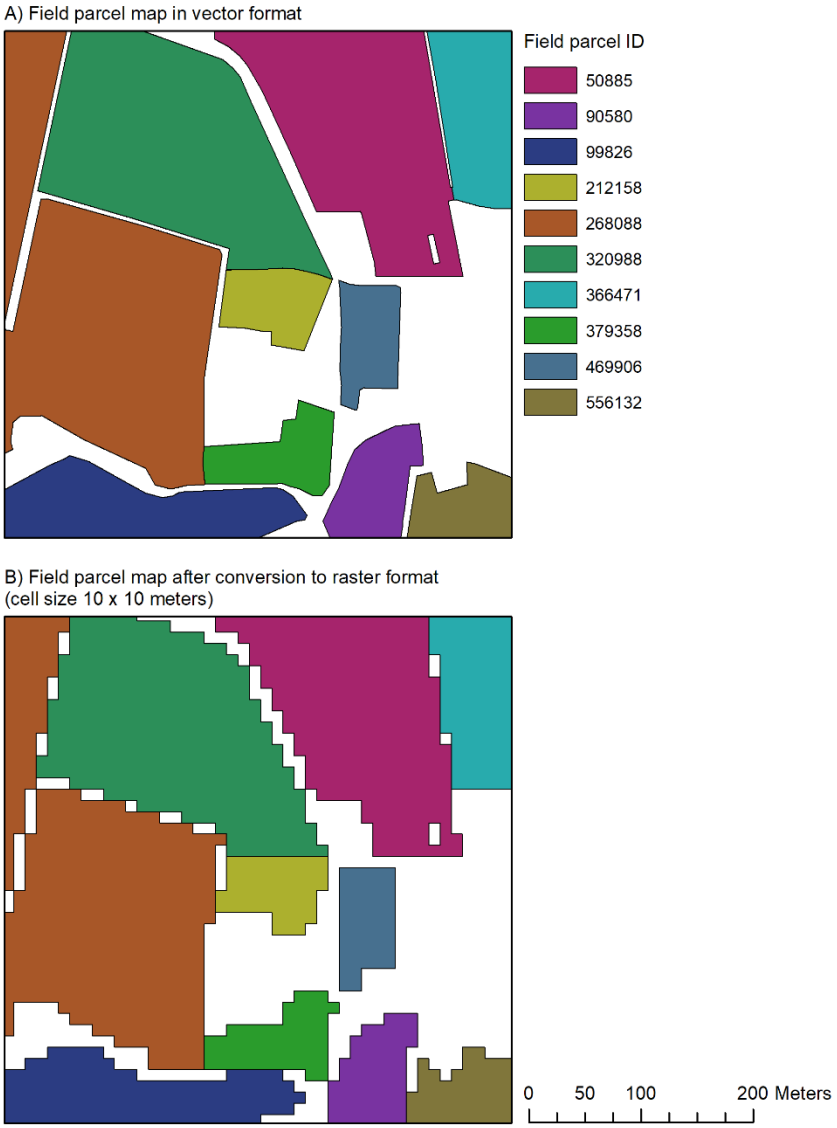


Figure 3.2. Conversion from vector to raster, exemplified for an extract of the field parcel map.

3.3 Overlay

In the next step, all raster layers are overlaid, following a hierarchy, where an object type in the top of the hierarchy excludes object types placed lower in the hierarchy. Table 3.1 shows the applied hierarchy. Traffic infrastructure, such as roads and railways, are applied in the top of the hierarchy followed by streams. The next object types in the hierarchy originate from the Natura2000 habitat types followed by the registration of protected habitat types and the management plans for state forests and management plans for defence holding. Other object types than road infrastructure and stream originating from the topographical database are placed lower in the hierarchy. These are followed by object types originating from the cadastre map. Object types from seabed sediment map and from Corine Land Cover are placed lowest in the hierarchy. In Figure 3.3, the overlay of object types is illustrated for an extract of the map.

Table 3.1. Applied hierarchy for overlay of object types.

Data source	Object code	Object name	Hierarchy
Topographical database	50997001-50997003**	Runway	1
Topographical database	50996311	Highway	2
Topographical database	50996312	Secondary highway	3
Topographical database	50996313	Throughfare route	4
Topographical database	50996314	Distribution route	5
Topographical database	50996315	Large road	6
Topographical database	50996316-50996317**	Intermediate route	7
Topographical database	50996318-50996320**	Small road	8
Topographical database	50996321-50996323**	Other road	9
Topographical database	50996324-50996326**	Access road	10
Topographical database	50996327-50996328**	Cycle path	11
Topographical database	50996329-50996331**	Path	12
Topographical database	50996401	Railway, visible	13
Natura2000 habitat types	40115000-40999900	*	14
Registration of protected habitat types	30000600-30000600	*	15
Topographical database	50994201-50994202**	Lake	16
Topographical database	50990201-50990207**	Basin	17
Topographical database	50996520-50996521**	Stream >= 12 m width	18
Topographical database	50996510-50996511**	Stream 2.5 - 12 m width	19
Management plans for state forests	20110200-20710200	*	20
Management plans for defence holdings	10110200-10710500	*	21
Topographical database	50991700	Forest	22
Topographical database	50991800	Heather	23
Topographical database	50992100	Sand / dune	24
Topographical database	50991900	Wetland	25
Topographical database	50997800	Burial ground	26
Topographical database	50311900	Recreation	27
Topographical database	50992200	Resource extraction	28
Topographical database	50990101-50990119**	Technical area	29
Topographical database	50995200	City centre	30
Topographical database	50995300	Business	31
Topographical database	50995500	High built up	32
Topographical database	50995400	Low built up	33
Cadastre map	80000100	Cadastre, road	34
Cadastre map	80000200	Cadastre, rail	35
Cadastre map	80000300	Cadastre, beach protection	36
Topographical database	50600000	Land	37
Corine Land Cover	90423000	Intertidal flats	38
Corine Land Cover	90521000	Coastal lagoons	39
Seabed sediment map	91000100-91000700	*	40

*Object types contained in in Natura2000 habitat types, in the registration of protected habitats, in the management plans for state forests, in management plans for defence sites and in the seabed sediment map are exclusive. I.e. within these layers, there are no internal overlaps between object types and the whole layers are applied in the overlay.

**From the topographical database, the object types: runway, intermediate route, small road, other road, access road, cycle path, path, lake, basin, stream >= 12 m width, Stream 2.5 - 12 m width and technical area contain several sub types

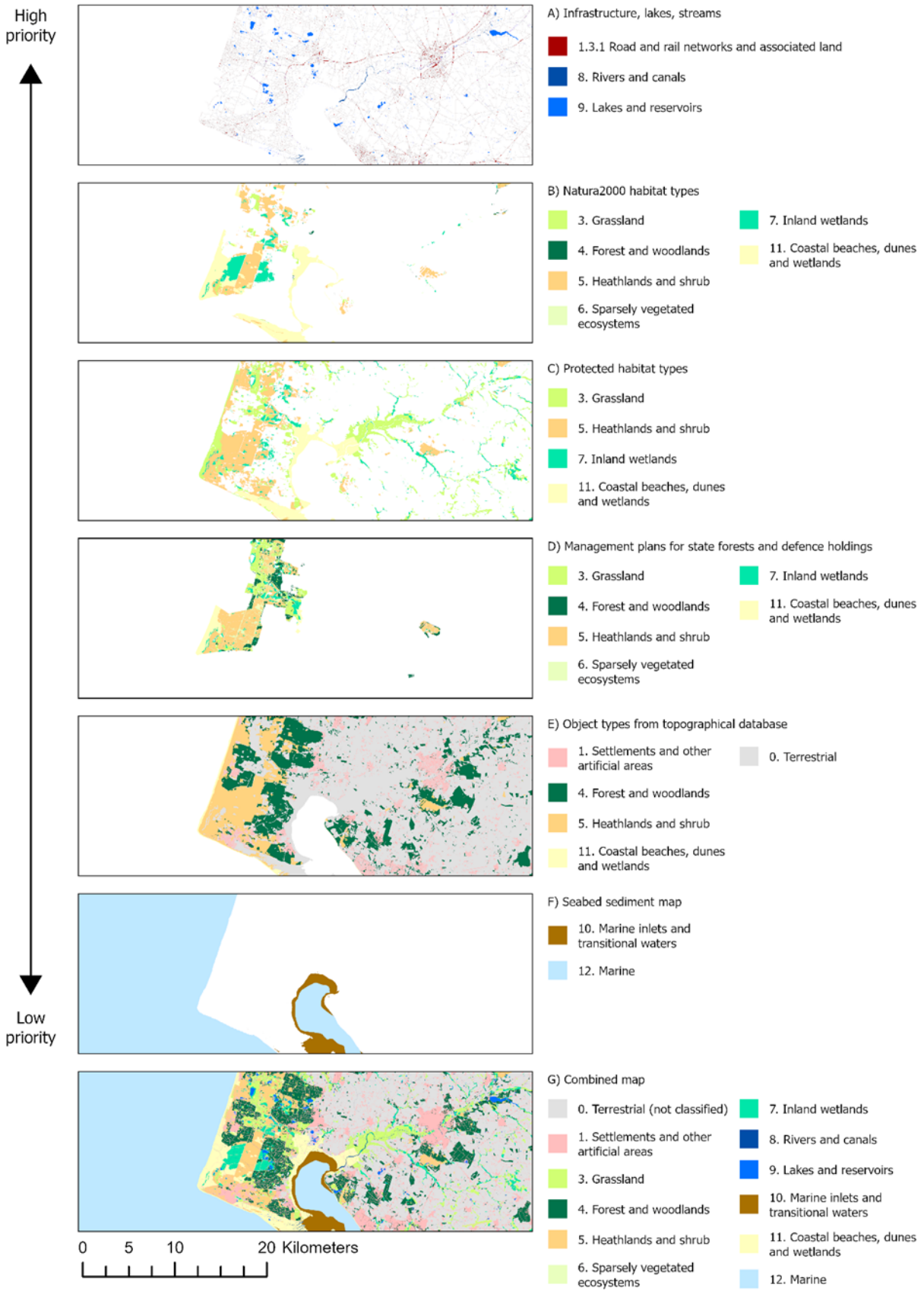


Figure 3.3. Illustration of applied method for overlay of input layers. Input layers are overlaid and object types from layers placed in the top of the hierarchy exclude object types placed lower in the hierarchy (A-F), resulting in the final combined map (G). Shown LULC categories correspond to level 1 of the EU ecosystem typology.

3.4 Elimination of unclassified cells

Roughly 26,000 km² or 60 % of the combined layer contains cells, which are not classified and consequently do not contain any specific LULC information. The majority of this area is agricultural land, which is added in a later processing step (see section 3.7). However, about 3,000 km² or roughly 1 % of the unclassified area is characterised by areas with a width less than or equal to 20 meters (2 raster cells). These narrow unclassified areas are considered the consequence of inaccurate delineation of objects in the applied input datasets and are eliminated from the map following the method described in Figure 3.4.

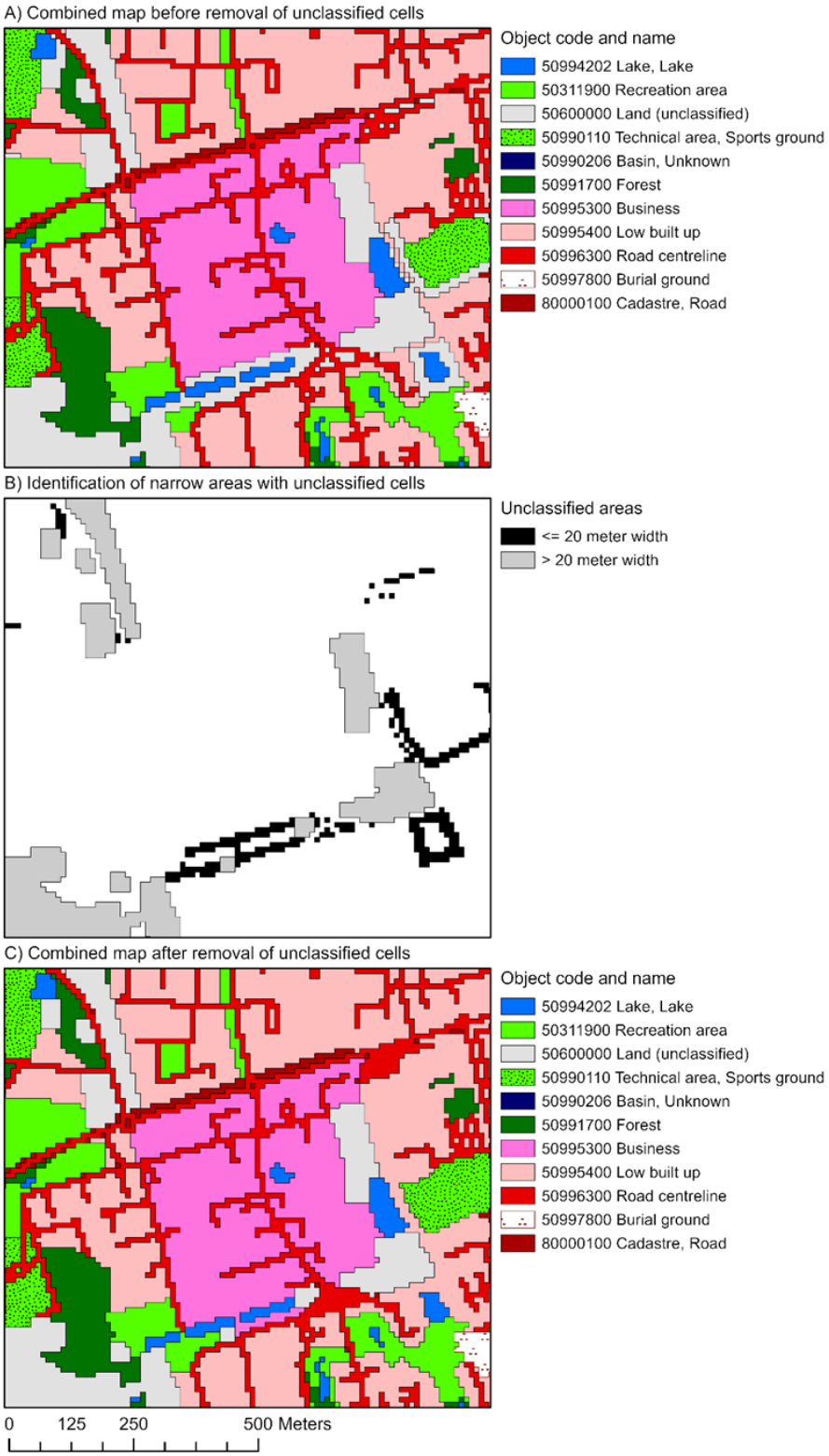


Figure 3.4. Applied method for elimination of narrow areas with unclassified cells. From the combined map (A), unclassified cells are extracted and areas with a width equal to or less than 20 meters are identified (B). These narrow unclassified areas are merged with adjacent object types (C). Unclassified areas are only merged with infrastructure, streams or lakes, if no other adjacent object types exist.

3.5 Elimination of slivers

Because of the overlay of the different input layers, where layers highest in the hierarchy exclude layers lower in the hierarchy, objects originating from layers lower in the hierarchy are sometimes spatially cut off, resulting in small and narrow remnant areas. E.g. where the forest layer from the topographical database is overlaid with the management plans for state forests, narrow remnant areas of forest from the topographical database are located adjacent to forest objects from the management plans of state forests, which have a more detailed classification. These narrow remnant areas are considered so-called slivers, resulting from inaccuracies in the spatial delineation of object types in the management plans of state forests. These slivers are merged with object types from adjacent forest types from the other datasets. Figure 3.5 illustrates the method. This adjustment is applied to following other cases:

- Forest objects from the topographical database are adjusted to forest objects from the maps management plans for state forests and the management plans for defence holdings
- Objects from the map of protected habitat types are adjusted to the map of Natura2000 habitats
- Wetland objects and heather objects from the topographical database are adjusted to the map of Natura2000 habitats
- Wetland, heather and dry grassland objects from the maps management plans for state forests are adjusted to the map of Natura2000 habitats
- Wetland, heather and dry grassland objects from the management plans for defence holdings are adjusted to the map of Natura2000 habitats

The final output layer of the combined and cleaned line and polygon object types is named LULC 00 2024.

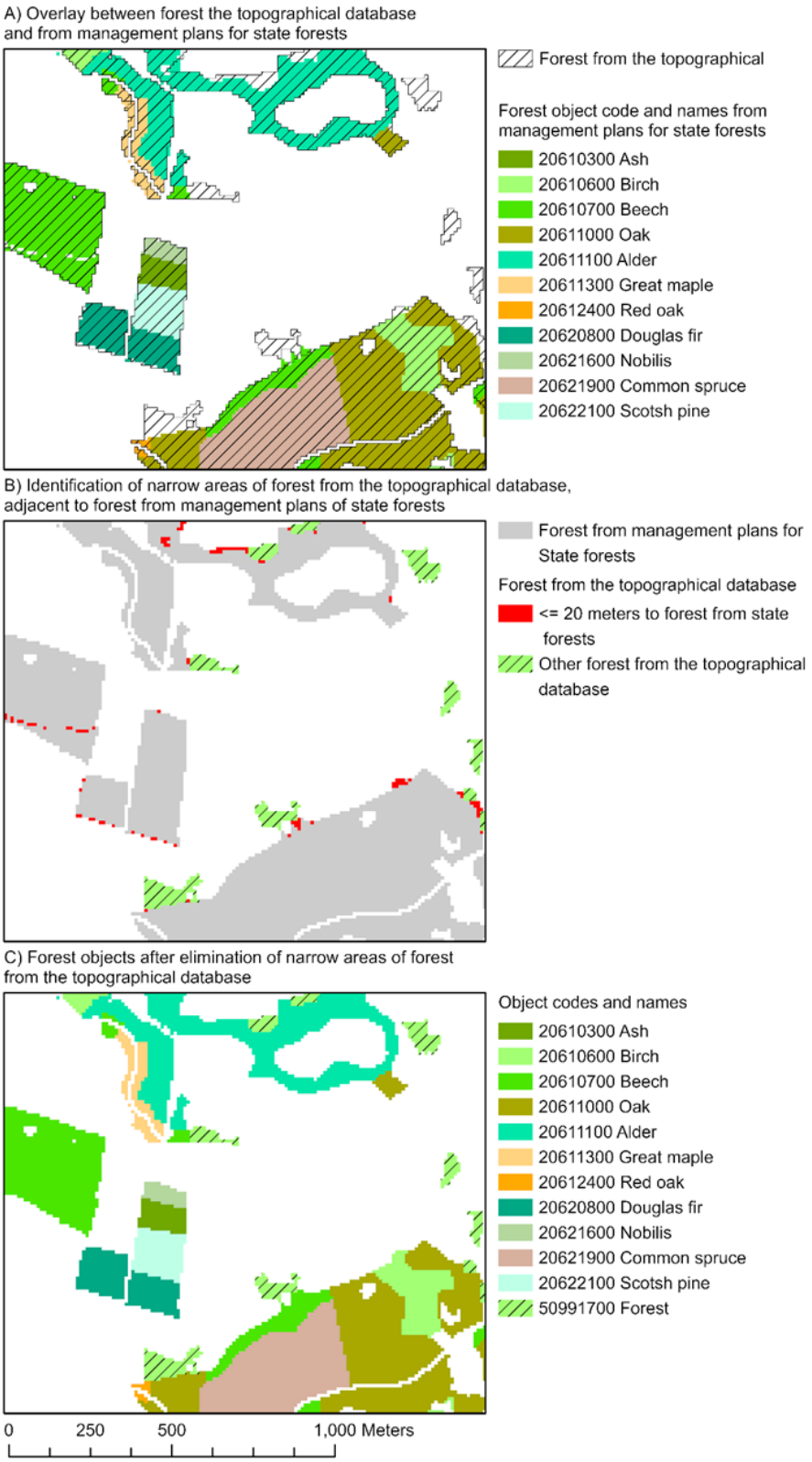


Figure 3.5. Applied method for elimination of narrow overlaps between forest from the topographical database and forest from management plans for state forests. Forest from the topographical database and from management plans for state forests is overlaid (A). Areas of forest from the topographical database, which do not overlap with forest from management plans are identified and divided into areas with a width <= 20 meters, located adjacent to forest from management plans and into other forest (B). The narrow areas are merged with adjacent forest object types from the management plan of state forests.

3.6 Agricultural census data

To allow for overlaps between agricultural LULC information and the other input layers, agricultural census data are processed independently. This ensures that e.g., an area, which according to the agricultural census data is classified as agriculture extensive and overlaps with a habitat class from the map of protected habitat types, in the final Basemap does contain LULC in-formation from both the agricultural data and from the habitat data.

3.6.1 Overlay with other input data

In the first step, the rasterised field parcel layer is overlaid with the LULC 00 2024 layer. Roads, railways, streams, lakes and basins contained in the LULC 00 2024 layer are considered to exclude any agricultural land use and are thus removed from the field parcel layer. In the next step, following the methodology described in Figure 3.4, narrow areas with unclassified cells are merged with adjacent field parcels.

3.6.2 Embedment of field blocks

After overlaying the field parcel layer and the LULC 00 2024 layer, 1,271 km² or 3.0 % of the terrestrial area do not contain any LULC information and are thus considered unclassified. 270 km² of these unclassified areas are contained in the field block map. As described in section 2.7, the field block map is different from the field parcel map in the sense that one field block can contain up to 10 individual field parcels. I.e. it is not possible to precisely locate field parcels within a field block. However, the field block map contains an individual reference to the agricultural register with detailed information about land use types within each field block. The agricultural register for 2024 (Danish Agricultural Agency, 2024c) is applied to assign land use types to field blocks by calculating the total area of land use types within each field block and assigning the dominating land use type in terms of total area. Corresponding with the applied aggregation of LULC-categories, in the final aggregated Basemap (section 3.8) agricultural land use is aggregated into five major types: Agriculture, intensive, temporary crops; agriculture, intensive, permanent crops; agriculture, extensive; forest; and agriculture unclassified, where no land use information exists. The method for embedment of field block is described in Figure 3.6.

Figure 3.6. Applied method for embedment of field blocks. The field block map, the field parcels map and other types (from LULC 00) are overlaid and additional field blocks within yet unclassified areas are selected (A). Based on agricultural registers, the dominant land use type is assigned to each field block (B) and embedded into the final map (C).

3.6.3 Final layer for agricultural census data

The final layer, which is named the Agricultural Census Data 2024 layer, contains an individual object ID for each parcel or field block. This object ID can be linked to a variety of other information from agricultural registers. For the current version of Basemap, object IDs are assigned LULC-categories, the applicant ID, the company registration number (CVR-number), and the field block number (Figure 3.7).

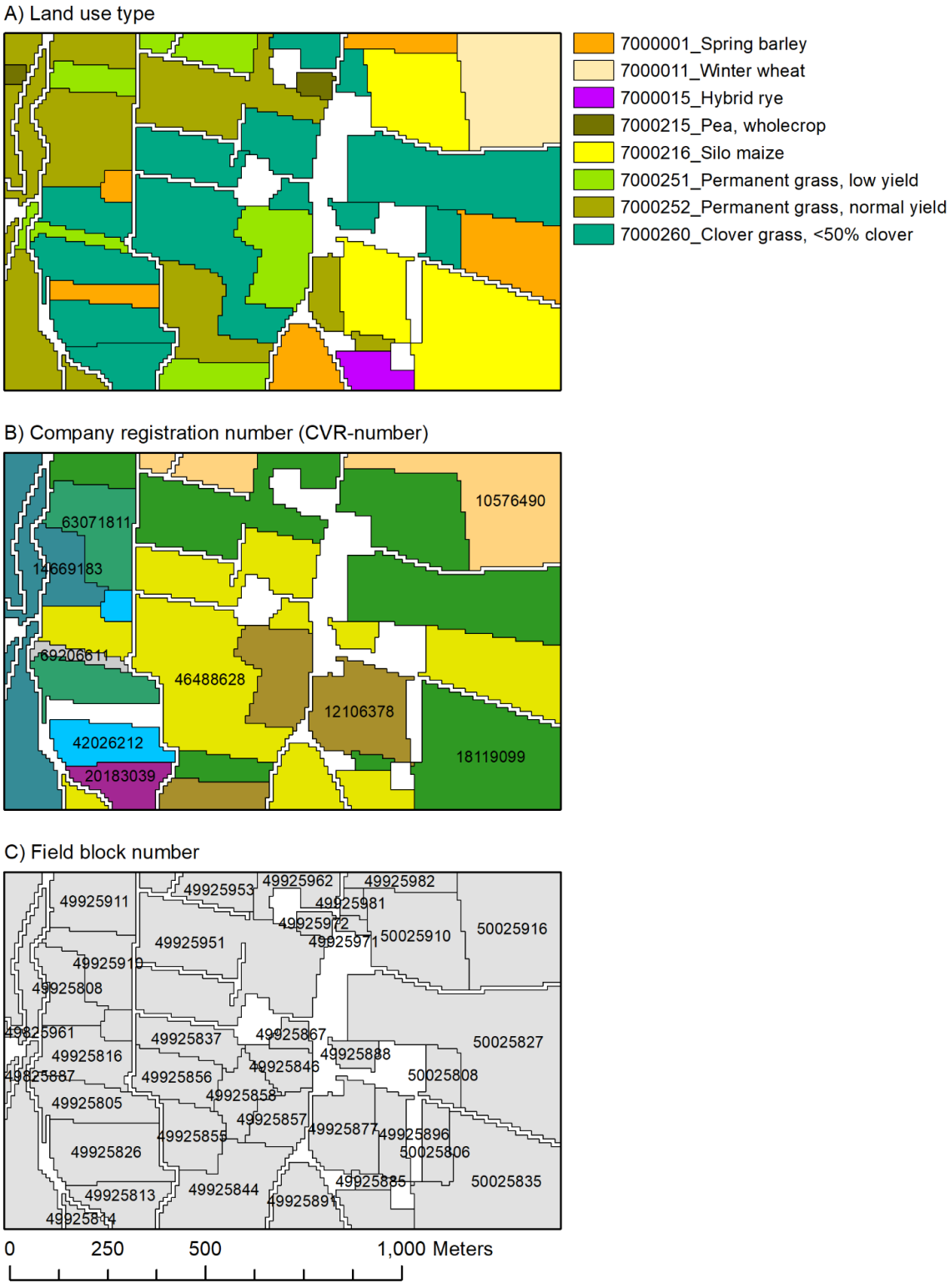


Figure 3.7. Illustration of aggregation of agricultural census data into land use categories (A), company registration number (B) and field block number (C).

3.7 Final overlay

In the next step, the LULC 00 2024 layer is overlaid with the Agricultural Census Data 2024 layer, the building layer from the topographical database and Copernicus dominant leaf type. The resulting layer is called LULC 01 2024 and contains all input object codes and names from all applied datasets. Object codes from the agricultural census data and from the building layer replace object codes, which in the LULC 00 2024 layer are categorised as not classified. Where object codes from the Agricultural census layer do not exclude object codes from the LULC 00 2024 layer, e.g. where extensive land use overlaps with dry or wet nature the LULC information from both layers is kept. Where the building layer overlaps with built up object types in the LULC 00 layer, e.g. where a building is located on a technical area or a low built-up are, LULC information from both the building layer and the LULC 00 layer is kept.

3.8 Aggregation of land use / land cover categories

The LULC 01 2024 layer contains 1,880 possible combinations of object types and gives the possibility for numerous aggregations of land use and land cover categories. The choice of aggregation depends on the purpose of the study. If focus is on agricultural land use, detailed information on agricultural land use categories (crop types) is relevant. Alternatively, if focus is on urban land use, detailed information on urban land use categories is relevant.

For Basemap05 an aggregation of object types into 62 LULC categories, which follow the EU ecosystem typology (Eurostat 2023) is applied. For updated versions for the years 2011, 2018 and 2021, which is applied in the change analysis (see section 3.10) an aggregation with 38 categories is applied, which preferably corresponds to level 3, but for some categories corresponds to level 2 or 1 (see Appendix 1). Appendix 2 contains a full list of how object types from the applied input layers are aggregated to the EU ecosystem typology. Table 3.2 contains a list and description of the 38 EU ecosystem types, which are applied in the change analysis. Figure 3.8 illustrates the applied method for aggregation. The aggregated LULC map for 2024 is named LULC_aggregated_2024.

Table 3.2. Applied EU ecosystem typology for the mapping of land use/land cover changes. Adapted from Eurostat (2023)

EU ecosystem type	Level	Description
0. Terrestrial (not classified)	1	This class was added to the typology and comprises all terrestrial land, for which applied input layers do not contain information on land use/land cover
1.1.1 Continuous residential area	3	Urban areas where buildings, roads and other impermeable surfaces occupy at least 80 % of the land, and with continuous or nearly continuous buildings, which may be houses, flats or buildings occupied for only part of the day.
1.1.2 Continuous commercial and industrial area	3	Areas with current industrial or commercial use including services (e.g., public libraries, government offices) where buildings, roads and other impermeable surfaces occupy at least 80 % of the land.
1.2.1 Discontinuous residential area	3	Residential building areas in suburbs and villages where buildings and other impermeable surfaces occupy between 30 % and 80 % of the land area.
1.2.2 Discontinuous commercial and industrial area	3	Commercial and industrial building areas in suburbs and villages where buildings and other impermeable surfaces occupy between 30 % and 80 % of the land area.
1.3.1 Road and rail networks and associated land	3	Motorways, railways, including associated installations (stations, platforms, embankments), including associated green areas (e.g. planted trees and bushes lines or spontaneous vegetation, such as grass verges).
1.3.3 Airports	3	Airport installations: runways, buildings and associated land, including associated green areas.
1.3.5 Mineral extraction sites (excluding peat extraction sites, see 7.3.1)	3	Open-pit extraction sites of construction materials (sandpits, quarries) or minerals (open-cast mines).
1.4.2 Sports and recreation sites	3	This class is assigned for green areas used for sports, leisure and recreation purposes, for example camping grounds, sports grounds, leisure parks, golf courses, racecourses, etc.
1.5.2 Cemeteries	3	This class includes sites designated as burial grounds, associated with church buildings or separate from them.
2.1 Annual cropland	2	Cropland planted for annually or regularly harvested crops other than those that carry trees or shrubs. They include fields of cereals, of sunflowers and other oil seed plants, of beets, legumes, fodder, potatoes, and other forbs. Croplands comprise intensively cultivated fields, fallow land, temporary grass for silage and grazing as well as traditionally and extensively cultivated crops with little or no chemical fertilisation or pesticide application.
2.3 Permanent crops	2	Crops not under a rotation system which provide repeated harvests and occupy the land for a long period before they are renewed.
2.4.2 Other agro-forestry area	3	Annual crops or grazing land under the wooded cover of forestry species (i.e. agroforestry), with a canopy cover of between 10 % and 30 %.
2.6 Other farmland	2	Other types of farmland not included in the other categories of cropland.
2.6.1 Nurseries	3	Areas dedicated to producing young trees, shrubs, and ornamental species for planting out.
2.6.2 Christmas tree plantations	3	Christmas tree plantations
2.6.3 Perennial bioenergy crops	3	This class has two expressions: a) Perennial energy grasses (e.g. Miscanthus, Reed canary grass) and other multi-annual crops used for oil or fibre production. b) Woodland treated as coppice without standards; plantations of dwarf trees or shrubs cultivated for wood or small-tree production, with a regular whole-plant harvesting regime.
3.1 Sown pastures and other grass (modified grassland)	2	Stable grassland characterised by agricultural use or strong human disturbance. Regularly re-sown and fertilised and used for grazing or mechanical harvesting of grass.
3.2.2 Dry grassland	3	Well-drained or dry lands dominated by grass or herbs, mostly not fertilized and often of low productivity; composed of native species adapted to the local environment.

Table 3.2. (continued)

EU ecosystem type	Level	Description
3.2.3 Seasonally wet and wet grassland	3	Unimproved or lightly improved wet pastures, meadows and tall herb communities. Composed of native species adapted to the local environment.
4.0 Forest undefined	2	This class was added to the typology and comprises woodlands and forest, where no information for leaf type is available.
4.1 Broadleaved deciduous forest	2	Woodlands and forests dominated by summer-green non-coniferous trees that lose their leaves in winter.
4.2 Coniferous forests	2	Vegetation formation composed principally of trees, including shrub and bush understory, where coniferous species predominate.
5.2.3 Temperate shrub heathland	3	Shrub communities adapted to a cooler climate in which Ericaceae are dominant or at least prominent. Such heaths are best developed on acid soils in the Atlantic zone and also in sub-Atlantic Europe.
6.1.1 Rocky pavements, outcrops, and screes	3	Accumulations of boulders, stones, rock fragments, pebbles, gravels or finer material, of non-aeolian depositional origin, unvegetated, occupied by lichens or mosses, or colonized by sparse herbs or shrubs.
6.2.3 Other sparsely vegetated areas	3	Miscellaneous bare habitats.
7. Inland wetlands	1	Inland wetlands are areas that are year-round or seasonally strongly affected by water, in the form of temporary flooding or groundwater levels close to surface. This class includes natural, semi-natural or modified inland marshes as well as mires, bogs and fens, but excludes seasonally flooded grasslands and heathlands, for example. It also includes peat extraction sites.
8. Rivers and canals	1	Permanent freshwater inland surface waters of linear character. These include natural water courses, such as rivers, streams etc., as well as anthropogenic structures built for transportation, drainage or water supply purposes, i.e., canals, ditches etc.
9.1 Lakes and ponds	2	Natural (but sometimes modified) water bodies with presence of standing water surface during the entire year.
9.2.1 Artificial reservoirs	3	Artificial water bodies that have been created by human action.
10.1 Coastal lagoons	2	Stretches of salt or brackish water in coastal areas which are separated from the sea by a tongue of land or other similar topography. These water bodies can be connected to the sea at limited points, either permanently or for parts of the year.
10.3.1 Intertidal flats (e.g., Wadden Sea)	3	Coastal zone under tidal influence between open sea and land, which is flooded by sea water regularly twice a day in a ca. 12 hours cycle.
11.2.1 Coastal dunes	3	Dunes occur in sand-covered shorelines of the oceans, their connected seas and associated coastal lagoons, fashioned by the action of wind or waves.
11.2.2 Beaches and sandy shores	3	Sandy shorelines include beaches, sand bars and spits, located just above the main waterline.
11.3 Rocky shores	2	Scree, cliffs, rock outcrops, including areas of active erosion, rocks and reef flats situated above the high-water mark up to a distance of 100 m away from the high water mark.
11.4.1 Coastal saltmarshes	3	Vegetated area in the coastal zone, dominated by Angiosperms, mostly above the high-tide line but always susceptible to flooding by seawater.
12.5.1 Subtidal sand beds and mud plains	3	Clean medium to fine sands or non-cohesive slightly muddy sands on open coasts, offshore or in estuaries and marine inlets.
12.6.1 Subtidal rocky substrates	3	Infralittoral rock includes habitats of bedrock, boulders and cobbles which occur in the shallow subtidal zone.

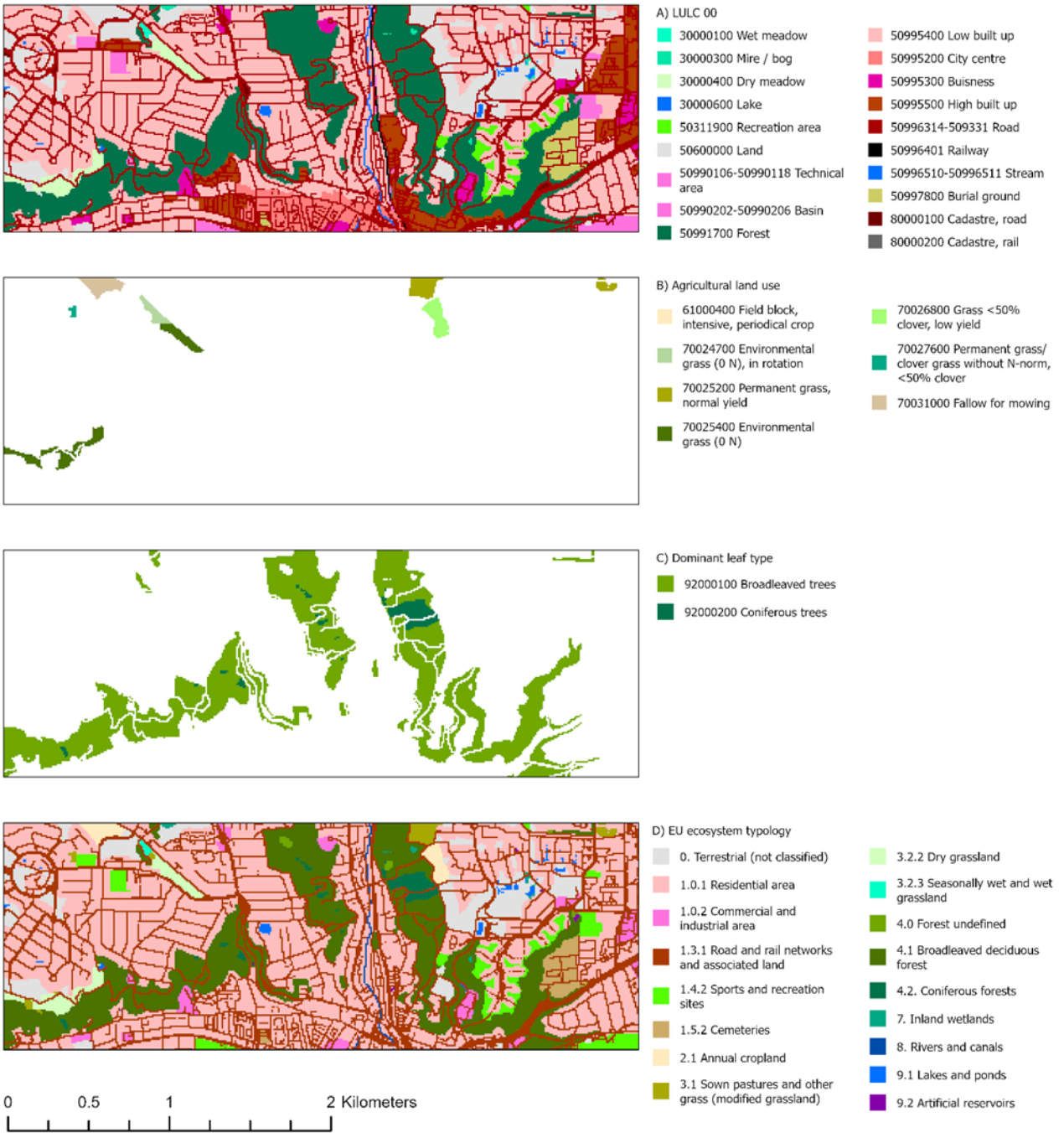


Figure 3.8. Applied method for aggregation land use / land cover categories. The LULC 00 layer (A), Agricultural land use (B) and the layer of dominant leaf type (C) are overlaid and reclassified to the EU ecosystem typology (D).

3.9 Mapping continuous and discontinuous settlement

The EU ecosystem typology distinguishes between continuous and discontinuous settlement. Continuous settlement is defined as areas, where at least 80 % of the surface is covered by impermeable features, such as buildings, roads and artificially surfaced areas, while discontinuous settlement is defined as areas, where impermeable features cover 30 to 80 % (Eurostat 2023). To map continuous and discontinuous settlement, all residential and commercial and industrial areas are grouped into individual regions. To reduce the number of regions and to minimise the bias of small and narrow regions, all regions with a width less than 20 meters are identified and merged with the closest regions

with a width equal to or larger than 20 meters. In total, 293,102 residential and 23,826 industrial and commercial regions are identified. Next, the regions are overlaid with the sealed category from the CLCplus Backbone layer and for each region, the proportion of sealed surface is assessed. Regions with a proportion of sealed surface equal to or greater than 80 % are assigned to continuous settlement and regions with a proportion of sealed surface less than 80 % to discontinuous. In contrast to the EU typology, for Basemap05 discontinuous settlement also includes settlement areas, where less than 30 % is covered by impermeable surfaces. Figure 3.9 illustrates the applied methodology.

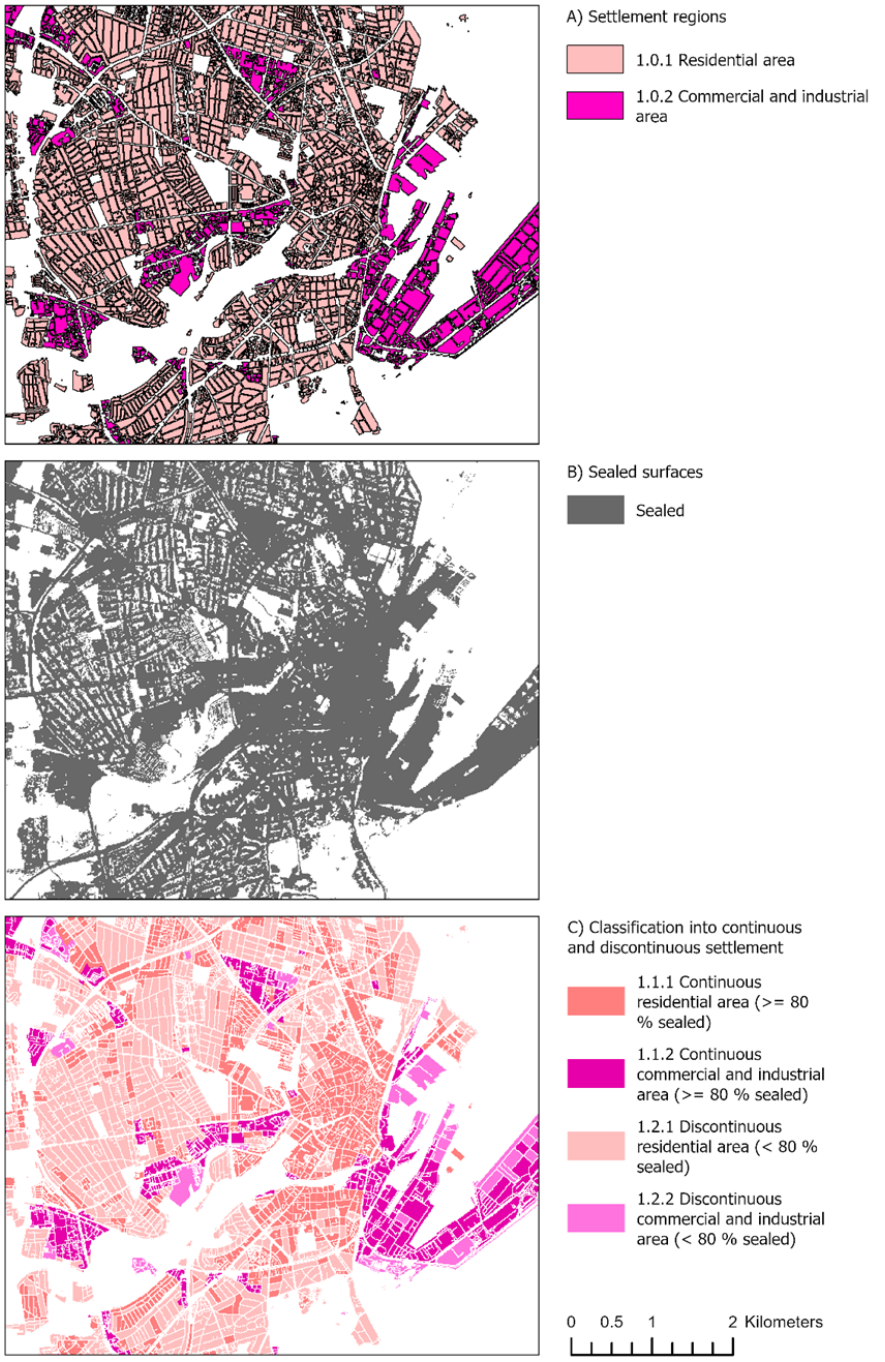


Figure 3.9. Applied methodology for mapping continuous and discontinuous settlement. Regions of residential areas and of commercial and industrial areas are identified (A). These are overlaid with sealed surfaces from CLCplus backbone (B) and for each region the proportion of sealed surface is calculated. Finally, residential areas and commercial and industrial areas are classified into continuous (>= 80% sealed) and discontinuous (< 80 % sealed) (C).

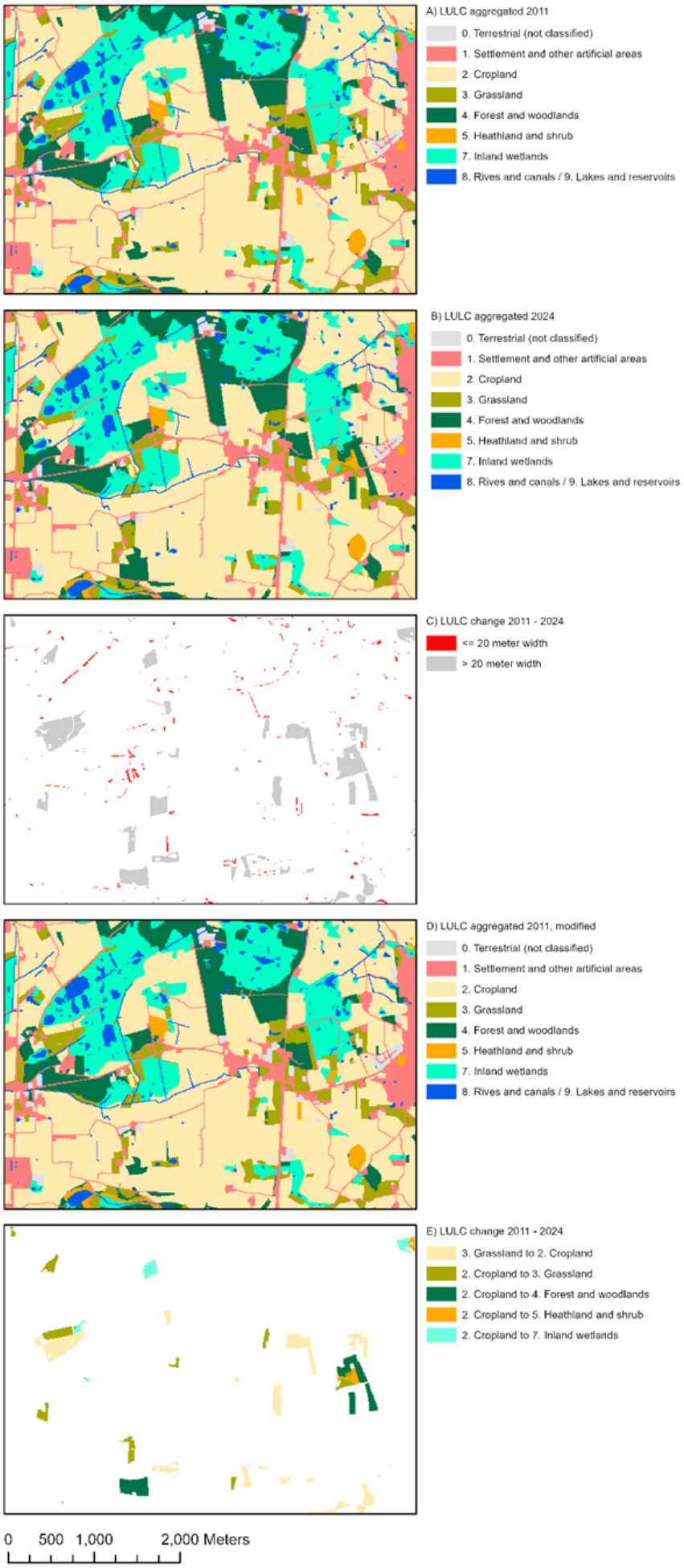
3.10 Basemap for 2011, 2018 and 2021

Information about LULC changes over time is highly relevant. However, the methodology and to some extend the input data, which were applied for the elaboration of the earlier versions of Basemap differ from the current version of the map. A LULC change assessment based on a direct overlay between earlier and the current version of Basemap would therefore result in a substantial overestimation of changes. Therefore, updated version of Basemap for the years 2011, 2018 and 2021, consistent with Basemap for 2024, are elaborated. Within the rather short time sequences of 7 years (2011 – 2018) and 3 years (2018 – 2021 and 2021 - 2024) changes in LULC can be assumed to be relatively small. According to Levin and Gyldenkærne (2022), recent changes in land use and land cover in Denmark are mainly characterised by urban expansion, expansion of road infrastructure, afforestation and habitat and wetland restoration. These changes occur primarily on the account of agricultural land use.

The 2011, 2018 and 2021 versions of Basemap are elaborated for the EU ecosystem typology shown in Table 3.2. Consequently, these versions do not contain the detailed LULC information or the possibility to relate these to other register data.

In the first step, changes from 2011 to 2024 are assessed. To reduce biases caused by inaccuracies of the delineation of object types in the applied input data, except for roads and railways, only changes with a width exceeding 20 meters are included. The applied method is illustrated in Figure 3.10.

Figure 3.10. Illustration of the applied method for mapping of LULC changes from 2011 to 2024 for the EU ecosystem typology at level 1. The LULC map for 2011 (A) is overlaid with the LULC map for 2024 (B). Areas with LULC changes <= 20 meters width (C) are considered not to have changed and are in the modified LULC map for 2011 (D) assigned the LULC type for 2024. Mapped LULC changes (E) only include areas with change > 20 meters width.



In the second step, the mapped changes from 2011 to 2024 are overlaid with LULC data for 2018 and 2021. An area is assigned to a change for the year, where at least 50 % of the area has changed. E.g., if an area changed from cropland in 2011 to forest and woodlands in 2024 and equal to or more that 50 % of this area is mapped as forest and woodland in the 2018 data, the whole area is assigned to have changed to forest by 2018. The threshold of 50 % is chosen to reduce changes, characterised by small and narrow areas. Furthermore, because of this methodology no complex changes, such as from cropland in 2011 to forest and woodlands in 2018 and back to cropland in 2021, are mapped. Over the rather short period of 13 years, most of such complex changes are assumed to be the consequence of inaccuracies of the delineation of object types, rather than representing actual changes. For changes to forest and woodlands, the applied methodology is illustrated in Figure 3.11.

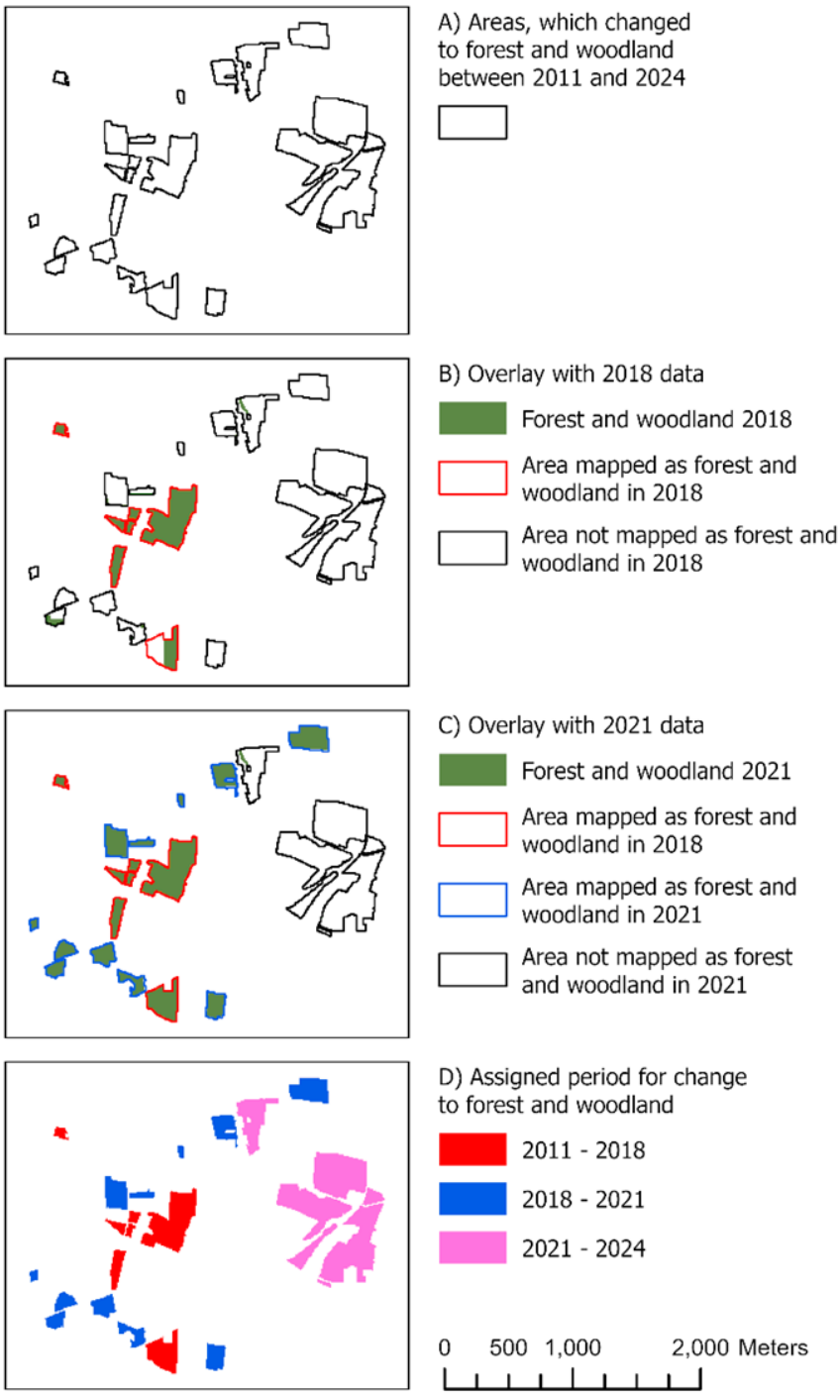


Figure 3.11. Applied methodology for assigning changes to the different time periods, illustrated for changes to forest and woodlands. Areas, which have changed to forest and woodlands between 2011 and 2024 (A) are overlaid with forest and woodlands from 2018 data (B). Areas, where forest and woodlands from 2018 data make up at least 50 % of the area are mapped as forest in 2018. Areas, which are not mapped as forest and woodlands in 2018 are overlaid with forest and woodland from 2021 data (C). Areas, where forest and woodlands from 2021 data make up at least 50 % of the area are mapped as forest in 2021. Finally, areas, which have changed to forest and woodlands between 2011 and 2024 are assigned to periods of change (D). Areas, where neither forest and woodlands from 2018 data or from 2021 data make up at least 50 % are assigned to the period from 2021 to 2024.

4 Results

4.1 Land use / land cover changes

For the years 2011, 2018, 2021 and 2024, Table 4.1 contains the total area and area proportion (as percentage of Denmark's exclusive economic zone) EU ecosystem types at level 1 and 2, except for the categories 7. Inland wetlands and 8. Rivers and canals, where changes are only mapped at level 1. The largest changes by area are a decrease in cropland (-1,315 Km²), and increases in grassland (+482 Km²), in settlement and other artificial surfaces (+329 Km²) in unclassified land (+227 Km²) and in forest and woodlands (+145 Km²). The largest changes by percentage are an increase in unclassified land (+29.4%), in grassland (+19.1%), in lakes and reservoirs (+12.6%) and in settlement and other artificial surfaces (+5.5%) and a decrease in Cropland (-5.3%).

Table 4.1. Area and proportion of EU ecosystem types at level 1 and 2 in 2011, 2018, 2021 and 2024 and changes from 2011 to 2024

	2011		2018		2021		2024		Change 2011-2024	
Category	Area (Km²)	% of eez*	Area (Km²)	% of eez*	Area (Km²)	% of eez*	Area (Km²)	% of eez*	Area (Km²)	% of 2011
0. Terrestrial (not classified)	**774**	**0.52**	**869**	**0.59**	**960**	**0.65**	**1,001**	**0.68**	**227.4**	**29.39**
1. Settlements and other artificial areas	**5,962**	**4.04**	**6,163**	**4.17**	**6,226**	**4.22**	**6,291**	**4.26**	**328.5**	**5.51**
1.1 Continuous settlement	403	0.27	416	0.28	419	0.28	421	0.28	18.2	4.52
1.2 Discontinuous settlement	2,609	1.77	2,746	1.86	2,788	1.89	2,826	1.91	216.8	8.31
1.3 Infrastructure	2,710	1.84	2,740	1.86	2,756	1.87	2,778	1.88	68.3	2.52
1.4 Urban greenspace	223	0.15	244	0.17	246	0.17	248	0.17	25.0	11.23
1.5 Other artificial areas	18	0.01	18	0.01	18	0.01	18	0.01	0.1	0.84
2. Cropland	**24,639**	**16.68**	**24,008**	**16.26**	**23,716**	**16.06**	**23,324**	**15.79**	**-1,314.5**	**-5.34**
2.1 Annual cropland	24,291	16.45	23,643	16.01	23,351	15.81	22,977	15.56	-1,314.1	-5.41
2.3 Permanent crops	66	0.04	56	0.04	55	0.04	48	0.03	-18.2	-27.45
2.4 Agro-forestry areas	1	0.00	1	0.00	2	0.00	2	0.00	1.3	129.55
2.6 Other farmland	280	0.19	308	0.21	308	0.21	296	0.20	16.5	5.88
3. Grassland	**2,519**	**1.71**	**2,722**	**1.84**	**2,795**	**1.89**	**3,001**	**2.03**	**482.0**	**19.14**
3.1 Sown pastures and other grass	1,140	0.77	1,246	0.84	1,299	0.88	1,476	1.00	336.1	29.50
3.2 Natural and semi-natural grassland	1,379	0.93	1,476	1.00	1,496	1.01	1,525	1.03	145.9	10.58
4. Forest and woodlands	**5,570**	**3.77**	**5,619**	**3.81**	**5,666**	**3.84**	**5,714**	**3.87**	**144.8**	**2.60**
4.0 Forest undefined	312	0.21	330	0.22	342	0.23	365	0.25	53.7	17.24
4.1 Broadleaved deciduous forest	3,071	2.08	3,100	2.10	3,131	2.12	3,188	2.16	116.6	3.80
4.2 Coniferous forests	2,187	1.48	2,188	1.48	2,194	1.49	2,161	1.46	-25.5	-1.17
5. Heathlands and shrub	**786**	**0.53**	**799**	**0.54**	**800**	**0.54**	**805**	**0.54**	**18.8**	**2.40**
5.2 Scrub and heathland	786	0.53	799	0.54	800	0.54	805	0.54	18.8	2.40
6. Sparsely vegetated ecosystems	**6**	**0.00**	**6**	**0.00**	**6**	**0.00**	**6**	**0.00**	**0.1**	**1.30**
6.1 Bare rocks	0	0.00	0	0.00	0	0.00	0	0.00	0.0	13.17
6.2 Semi-desert, desert and other sparsely vegetated areas	6	0.00	6	0.00	6	0.00	6	0.00	0.0	0.60
7. Inland wetlands	**972**	**0.66**	**993**	**0.67**	**1,001**	**0.68**	**1,010**	**0.68**	**37.5**	**3.86**
8. Rivers and canals	**399**	**0.27**	**400**	**0.27**	**400**	**0.27**	**401**	**0.27**	**1.7**	**0.43**
9. Lakes and reservoirs	**643**	**0.44**	**692**	**0.47**	**705**	**0.48**	**724**	**0.49**	**81.1**	**12.62**
9.1 Lakes and ponds	639	0.43	688	0.47	701	0.47	718	0.49	79.1	12.37
9.2 Artificial reservoirs	4	0.00	4	0.00	4	0.00	6	0.00	2.0	53.63
10. Marine inlets and transitional waters	**1,222**	**0.83**	**1,224**	**0.83**	**1,224**	**0.83**	**1,226**	**0.83**	**3.9**	**0.32**
10.1 Coastal lagoons	654	0.44	656	0.44	656	0.44	658	0.45	3.9	0.60
10.3 Intertidal flats	568	0.38	568	0.38	568	0.38	568	0.38	0.0	0.00
11. Coastal beaches, dunes and wetlands	**680**	**0.46**	**680**	**0.46**	**679**	**0.46**	**679**	**0.46**	**-1.3**	**-0.19**
11.2 Coastal dunes, beaches and sandy shores	251	0.17	252	0.17	253	0.17	253	0.17	2.0	0.81
11.3 Rocky shores	4	0.00	4	0.00	4	0.00	4	0.00	0.1	2.03
11.4 Coastal saltmarshes and salines	425	0.29	424	0.29	423	0.29	422	0.29	-3.4	-0.80
12. Marine	**103,499**	**70.09**	**103,495**	**70.09**	**103,493**	**70.08**	**103,489**	**70.08**	**-10.0**	**-0.01**
12.5 Subtidal sand beds and mud plains	103,232	69.91	103,228	69.90	103,226	69.90	103,222	69.90	-9.9	-0.01
12.6 Subtidal rocky substrates	267	0.18	267	0.18	267	0.18	267	0.18	-0.1	-0.05
Total (eez*)	**147,670**	**100.00**	**147,670**	**100.00**	**147,670**	**100.00**	**147,670**	**100.00**	**0.0**	**0.00**

* eez = exclusive economic zone

For the years 2011, 2018, 2021 and 2024, Table 4.2 contains the total area and area proportion (as percentage of Denmark's exclusive economic zone) for all EU ecosystem types, for which changes are mapped. The larges changes by area are a decrease in cropland (-1,315 Km^2) and increases in sown pastures and other grass (+336 Km^2), in unclassified land (+227 Km^2), in discontinuous residential area (+155 Km^2) and in broadleaved forest (+117 Km^2).

Table 4.2. Area and proportion of land use/land cover in 2011, 2018, 2021 and 2024 and changes from 2011 to 2024

	2011		2018		2021		2024		Change 2011-2024	
Category	Area (Km²)	% of eez*	Area (Km²)	% of eez*	Area (Km²)	% of eez*	Area (Km²)	% of eez*	Area (Km²)	% of 2011
0. Terrestrial (not classified)	773.8	0.52	869.0	0.59	959.8	0.65	1,001.2	0.68	227.4	29.39
1.1.1 Continuous residential area	270.9	0.18	276.9	0.19	278.2	0.19	279.2	0.19	8.3	3.07
1.1.2 Continuous commercial and industrial area	131.6	0.09	138.9	0.09	140.5	0.10	141.5	0.10	9.9	7.51
1.2.1 Discontinuous residential area	2,407.2	1.63	2,509.5	1.70	2,538.9	1.72	2,562.3	1.74	155.0	6.44
1.2.2 Discontinuous commercial and industrial area	202.2	0.14	236.4	0.16	248.9	0.17	264.0	0.18	61.8	30.56
1.3.1 Road and rail networks and associated land	2,628.2	1.78	2,668.4	1.81	2,681.6	1.82	2,700.8	1.83	72.6	2.76
1.3.3 Airports	23.8	0.02	24.2	0.02	24.2	0.02	24.4	0.02	0.5	2.29
1.3.5 Mineral extraction sites	58.0	0.04	47.1	0.03	49.7	0.03	53.2	0.04	-4.9	-8.37
1.4.2 Sports and recreation sites	222.9	0.15	244.3	0.17	246.4	0.17	248.0	0.17	25.0	11.23
1.5.2 Cemeteries	17.5	0.01	17.6	0.01	17.6	0.01	17.7	0.01	0.1	0.84
2.1 Annual cropland	24,291.4	16.45	23,642.6	16.01	23,351.4	15.81	22,977.3	15.56	-1,314.1	-5.41
2.3 Permanent crops	66.4	0.04	56.4	0.04	54.6	0.04	48.2	0.03	-18.2	-27.45
2.4.2 Other agro-forestry area	1.0	0.00	1.2	0.00	1.8	0.00	2.3	0.00	1.3	129.55
2.6 Other farmland	39.0	0.03	20.1	0.01	15.0	0.01	11.0	0.01	-28.0	-71.80
2.6.1 Nurseries	1.2	0.00	12.1	0.01	13.2	0.01	15.0	0.01	13.8	1,166.22
2.6.2 Christmas tree plantations	178.2	0.12	194.3	0.13	195.9	0.13	189.3	0.13	11.1	6.22
2.6.3 Perennial bioenergy crops	61.5	0.04	81.7	0.06	84.0	0.06	81.0	0.05	19.5	31.76
3.1 Sown pastures and other grass	1,139.6	0.77	1,246.3	0.84	1,299.3	0.88	1,475.7	1.00	336.1	29.50
3.2.2 Dry grassland	443.2	0.30	473.0	0.32	481.3	0.33	493.5	0.33	50.3	11.36
3.2.3 Seasonally wet and wet grassland	936.0	0.63	1,002.8	0.68	1,014.8	0.69	1,031.5	0.70	95.5	10.20
4.0 Forest undefined	311.6	0.21	330.4	0.22	341.7	0.23	365.4	0.25	53.7	17.24
4.1 Broadleaved deciduous forest	3,071.2	2.08	3,100.4	2.10	3,130.8	2.12	3,187.8	2.16	116.6	3.80
4.2 Coniferous forests	2,186.9	1.48	2,188.2	1.48	2,193.8	1.49	2,161.3	1.46	-25.5	-1.17
5.2.3 Temperate shrub heathland	785.7	0.53	798.8	0.54	799.5	0.54	804.5	0.54	18.8	2.40
6.1.1 Rocky pavements, outcrops, and screes	0.3	0.00	0.4	0.00	0.4	0.00	0.4	0.00	0.0	13.17
6.2.3 Other sparsely vegetated areas	5.7	0.00	5.9	0.00	5.8	0.00	5.8	0.00	0.0	0.60
7. Inland wetlands	972.4	0.66	992.7	0.67	1,000.5	0.68	1,009.9	0.68	37.5	3.86
8. Rivers and canals	399.0	0.27	399.7	0.27	400.3	0.27	400.7	0.27	1.7	0.43
9.1 Lakes and ponds	639.0	0.43	688.3	0.47	701.2	0.47	718.1	0.49	79.1	12.37
9.2.1 Artificial reservoirs	3.8	0.00	3.5	0.00	3.6	0.00	5.9	0.00	2.0	53.63
10.1 Coastal lagoons	653.9	0.44	655.8	0.44	655.5	0.44	657.8	0.45	3.9	0.60
10.3.1 Intertidal flats (e.g., Wadden Sea)	568.3	0.38	568.3	0.38	568.3	0.38	568.3	0.38	0.0	0.00
11.2.1 Coastal dunes	128.0	0.09	129.3	0.09	129.6	0.09	130.2	0.09	2.1	1.67
11.2.2 Beaches and sandy shores	123.0	0.08	123.1	0.08	123.1	0.08	122.9	0.08	-0.1	-0.08
11.3 Rocky shores	3.8	0.00	3.8	0.00	3.8	0.00	3.8	0.00	0.1	2.03
11.4.1 Coastal saltmarshes	425.3	0.29	423.6	0.29	422.8	0.29	421.9	0.29	-3.4	-0.80
12.5.1 Subtidal sand beds and mud plains	103,231.9	69.91	103,228.4	69.90	103,226.0	69.90	103,222.1	69.90	-9.9	-0.01
12.6.1 Subtidal rocky substrates	266.9	0.18	266.7	0.18	266.7	0.18	266.7	0.18	-0.1	-0.05
Total (eez*)	147,670.4	100.00	147,670.4	100.00	147,670.4	100.00	147,670.4	100.00	0.0	0.00

* eez = exclusive economic zone

4.2 Spatially explicit land use / land cover changes

Table 4.2 contains all LULC categories, which are mapped for 2011, 2018, 2021 and 2024. I.e., for these categories, conversions between the categories can be assessed. Table 4.3 contains a conversion matrix from 2011 to 2024 for an aggregation of LULC categories, which is meaningful in a Danish context. Cells, which are grey, comprise areas, where categories have not changed. For the total exclusive economic zone, only 1.6 % of the area changed between categories. When excluding marine areas, 5.4 % of the area changed between categories.

Table 4.3. Conversion matrix for aggregated LULC categories from 2011 to 2024. Values are in Km²

	2024											
2011	0. Terrestrial (not classified)	1. Settlements and other artificial areas	2. Cropland	3.1 Sown pastures and other grass (modified	3.2 Natural and semi-natural grassland	4. Forest and woodlands	5. Heathlands and shrub / 6. Sparsely	7. Inland wetlands	8. Rivers and canals / 9. Lakes and reservoirs	11. Coastal beaches, dunes and wetlands	12. Marine/ 10. Marine inlets and transitional	Total
0. Terrestrial (not classified)	634	131	0	0	0	0	0	0	8	0	0	774
1. Settlements and other artificial areas	7	5,929	13	3	0	4	1	0	5	0	0	5,962
2. Cropland	267	186	23,081	778	29	241	0	8	43	1	3	24,639
3.1 Sown pastures and other grass (modified grassland)	71	12	216	690	113	15	0	13	8	0	0	1,140
3.2 Natural and semi-natural grassland	0	2	1	0	1,366	0	0	0	10	0	0	1,379
4. Forest and woodlands	13	23	10	3	16	5,454	21	26	0	3	0	5,570
5. Heathlands and shrub / 6. Sparsely vegetated areas	0	1	0	0	0	0	788	0	2	0	0	792
7. Inland wetlands	0	1	0	0	0	0	0	961	10	0	0	972
8. Rivers and canals / 9. Lakes and reservoirs	1	1	3	1	1	0	0	2	1,033	0	0	1,042
11. Coastal beaches, dunes and wetlands	0	1	0	0	0	0	0	0	4	675	1	680
12. Marine/ 10. Marine inlets and transitional waters	6	4	0	0	0	0	0	0	0	0	104,710	104,721
Total	1,001	6,291	23,324	1,476	1,525	5,714	811	1,010	1,125	679	104,715	147,670

For the aggregated categories, Table 4.4 shows net-changes, losses and gains from 2011 to 2024. As can be seen, net-changes are subject to both losses and gains. E.g., while the net-change for forest and woodlands is 145 Km², there is a loss of 116 Km² and a gain of 261 Km². The net change for sown pastures and other grass is 336 Km². 449 Km² are lost, 785 Km² gained and 690 Km² did not change. Spatially explicit dynamics differ highly between categories. Settlement and other artificial areas, natural and semi-natural grassland, inland wetlands and rivers and canals / lakes and reservoirs are mainly characterised by gains and only small losses. Unclassified land, cropland, sown pastures and other grass and forest and woodland are characterised by both considerable gains and losses.

Table 4.4. Net-changes, loss, gain and unchanged area for aggregated LULC categories from 2011 to 2024. Values are in Km²

	2011	2024	Net-change	Loss	Gain	Un-changed
0. Terrestrial (not classified)	774	1,001	227	-139	367	634
1. Settlements and other artificial areas	5,962	6,291	328	-34	362	5,929
2. Cropland	24,639	23,324	-1,315	-1,558	244	23,081
3.1 Sown pastures and other grass (modified grassland)	1,140	1,476	336	-449	785	690
3.2 Natural and semi-natural grassland	1,379	1,525	146	-14	159	1,366
4. Forest and woodlands	5,570	5,714	145	-116	261	5,454
5. Heathlands and shrub / 6. Sparsely vegetated areas	792	811	19	-4	22	788
7. Inland wetlands	972	1,010	38	-11	49	961
8. Rivers and canals / 9. Lakes and reservoirs	1,042	1,125	83	-9	92	1,033
11. Coastal beaches, dunes and wetlands	680	679	-1	-5	4	675
12. Marine/ 10. Marine inlets and transitional waters	104,721	104,715	-6	-11	5	104,710

Figure 4.1 is a visualisation of conversions between categories as a flow chart or Sankey diagram, where the width of each flow line is proportional to the amount (area) of flow between categories. For this flow chart, areas which were marine in both 2011 and 2024 are not included. As in the conversion matrix, it is evident from the flow chart that the largest proportion of the area does not change between categories, i.e., is characterised by no changes.

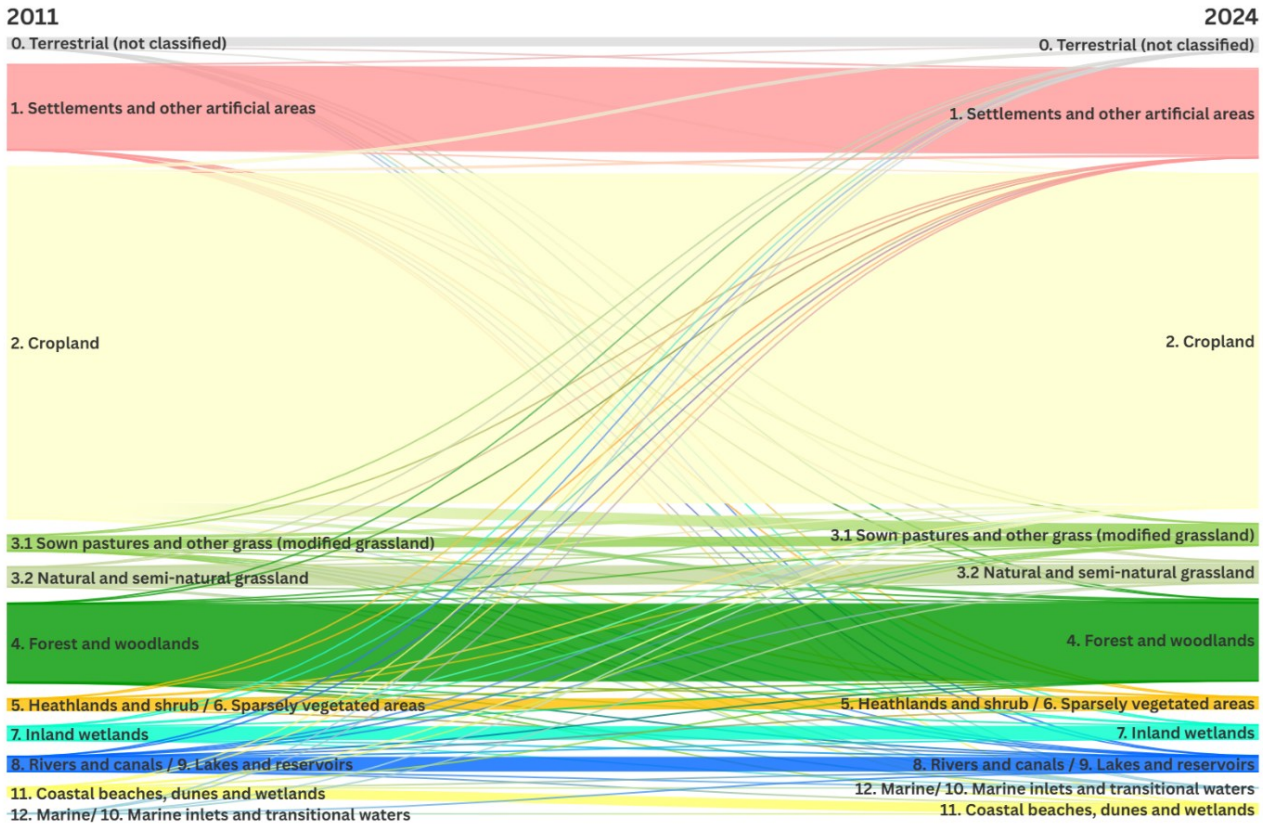


Figure 4.1. Flow chart for transitions between aggregated LULC categories from 2011 to 2024. Areas, which where marine in 2011 and 2024 are ignored.

Figure 4.2 is a flow chart, where only areas, which from 2011 to 2024 changed category are included. As in Tables 4.3 and 4.4 it can be seen that net-changes are subject to both losses and gains.

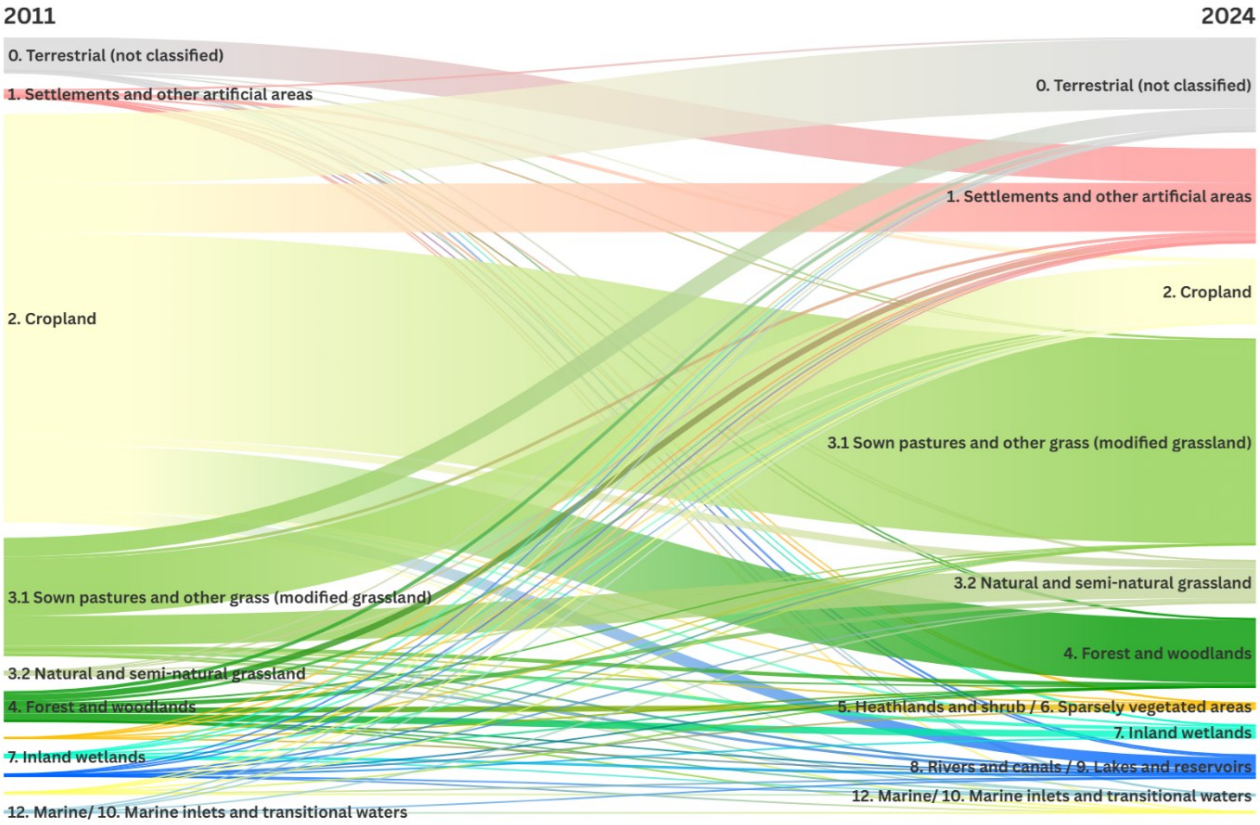


Figure 4.2. Flow chart for transitions between aggregated LULC categories from 2011 to 2024. Only areas where LULC categories have changed are included.

4.3 Changes to and from unclassified land

The category 0. Terrestrial (not classified) comprises all terrestrial land, where none of the applied input datasets contain any specific LULC information. Unclassified land is subject to substantial dynamics, which gains, primarily from cropland and losses, primarily to settlement and other artificial areas. As described in Levin (2022), these changes to and from unclassified land are primarily related to land, which is under construction. I.e., land which is no longer used for agriculture, but is not yet registered as settlement in the topographical database.

5 Discussion and conclusion

This report describes how the fifth version of Basemap is created. Applied input data are described, and the applied methodology is documented. All applied input data are categorical. I.e. these data have been registered, and objects have been categorised and been spatially delineated by a variety of institutions and persons. The precision and quality of these categorical input data can be affected by registration errors.

The applied methodology for Basemap does take varying spatial and thematic precision of input data into account. However, it is unavoidable that some errors in input data are inherited in Basemap and do affect the results. Therefore, LULC information in Basemap is not legally binding and the map cannot stand alone in handling any case regarding land use and land cover.

By the beginning of 2025, Basemap05 will be made publicly available on the webpage of Aarhus University https://envs.au.dk/en/research-areas/society-environment-and-resources/land-use-and-gis/basemap. Here it will be possible to download all elaborated layers described in this report.

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7 Appendix

7.1 Appendix 1: Applied EU ecosystem typology

EU code level 1	EU name level 1	EU code level 2	EU name level 2	EU code level 3	EU name level 3	EU level applied for change analysis	Change analysis code	Change analysis name
0.	Terrestrial (not classified)	0.0	Terrestrial (not classified)	0.0.0	Terrestrial (not classified)	1	100000	Terrestrial (not classified)
1.	Settlements and other artificial areas	1.1	Continuous settlement	1.1.1	Continuous residential area	3	101101	Continuous residential area
1.	Settlements and other artificial areas	1.1	Continuous settlement	1.1.2	Continuous commercial and industrial area	3	101102	Continuous commercial and industrial area
1.	Settlements and other artificial areas	1.2	Discontinuous settlement	1.2.1	Discontinuous residential area	3	101201	Discontinuous residential area
1.	Settlements and other artificial areas	1.2	Discontinuous settlement	1.2.2	Discontinuous commercial and industrial area	3	101202	Discontinuous commercial and industrial area
1.	Settlements and other artificial areas	1.3	Infrastructure	1.3.1	Road and rail networks and associated land	3	101301	Road and rail networks and associated land
1.	Settlements and other artificial areas	1.3	Infrastructure	1.3.3	Airports	3	101303	Airports
1.	Settlements and other artificial areas	1.3	Infrastructure	1.3.5	Mineral extraction sites (excluding peat extraction sites, see 7.3.1)	3	101305	Mineral extraction sites (excluding peat extraction sites, see 7.3.1)
1.	Settlements and other artificial areas	1.4	Urban greenspace	1.4.2	Sports and recreation sites	3	101402	Sports and recreation sites
1.	Settlements and other artificial areas	1.5	Other artificial areas	1.5.2	Cemeteries	3	101502	Cemeteries
2.	Cropland	2.1	Annual cropland	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)	2	102100	Annual cropland
2.	Cropland	2.1	Annual cropland	2.1.2	Maize (C1500 + G3000)	2	102100	Annual cropland
2.	Cropland	2.1	Annual cropland	2.1.3	Dry pulses and protein crops (P0000)	2	102100	Annual cropland
2.	Cropland	2.1	Annual cropland	2.1.4	Root crops, like sugar beet and potatoes (R0000)	2	102100	Annual cropland
2.	Cropland	2.1	Annual cropland	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)	2	102100	Annual cropland

EU code level 1	EU name level 1	EU code level 2	EU name level 2	EU code level 3	EU name level 3	EU level applied for change analysis	Change analysis code	Change analysis name
2.	Cropland	2.1	Annual cropland	2.1.6	Industrial crops including annual bioenergy crops (I0000)	2	102100	Annual cropland
2.	Cropland	2.1	Annual cropland	2.1.7	Flowers and ornamental plants (N0000)	2	102100	Annual cropland
2.	Cropland	2.1	Annual cropland	2.1.8	Fallow land (Q0000)	2	102100	Annual cropland
2.	Cropland	2.1	Annual cropland	2.1.9	Temporary grasses (G1000)	2	102100	Annual cropland
2.	Cropland	2.1	Annual cropland	2.1.10	Other crops (further categories may be added by Member States, depending upon nationally important crop types).	2	102100	Annual cropland
2.	Cropland	2.3	Permanent crops	2.3.2	Grapes (W1000)	2	102300	Permanent crops
2.	Cropland	2.3	Permanent crops	2.3.3	Pome fruits	2	102300	Permanent crops
2.	Cropland	2.3	Permanent crops	2.3.4	Stone fruits (F1200)	2	102300	Permanent crops
2.	Cropland	2.3	Permanent crops	2.3.5	Berries excluding strawberries (F3000)	2	102300	Permanent crops
2.	Cropland	2.3	Permanent crops	2.3.7	Nuts (F4000)	2	102300	Permanent crops
2.	Cropland	2.3	Permanent crops	2.3.8	Hazelnut	2	102300	Permanent crops
2.	Cropland	2.3	Permanent crops	2.3.9	Chestnut	2	102300	Permanent crops
2.	Cropland	2.3	Permanent crops	2.3.10	Other perennial crops and orchards	2	102300	Permanent crops
2.	Cropland	2.4	Agro-forestry areas	2.4.2	Other agro-forestry area	3	102402	Other agro-forestry area
2.	Cropland	2.6	Other farmland	2.6.1	Nurseries	3	102601	Nurseries
2.	Cropland	2.6	Other farmland	2.6.2	Christmas tree plantations	3	102602	Christmas tree plantations
2.	Cropland	2.6	Other farmland	2.6.3	Perennial bioenergy crops	3	102603	Perennial bioenergy crops
2.	Cropland	2.6	Other farmland	2.6.0	Other farmland	2	102600	Other farmland
3.	Grassland	3.1	Sown pastures and other grass (modified grassland)	3.1.0	Sown pastures and other grass (modified grassland)	2	103100	Sown pastures and other grass (modified grassland)
3.	Grassland	3.2	Natural and semi-natural grassland	3.2.2	Dry grassland	3	103202	Dry grassland
3.	Grassland	3.2	Natural and semi-natural grassland	3.2.3	Seasonally wet and wet grassland	3	103203	Seasonally wet and wet grassland
4.	Forest and woodlands	4.0	Forest undefined	4.0.0	Forest undefined	2	104000	Forest undefined
4.	Forest and woodlands	4.1	Broadleaved deciduous forest	4.1.1	Riparian forest and woodland	2	104100	Broadleaved deciduous forest

EU code level 1	EU name level 1	EU code level 2	EU name level 2	EU code level 3	EU name level 3	EU level applied for change analysis	Change analysis code	Change analysis name
4.	Forest and woodlands	4.1	Broadleaved deciduous forest	4.1.2	Broadleaved swamp forest on non-acid and acid peat	2	104100	Broadleaved deciduous forest
4.	Forest and woodlands	4.1	Broadleaved deciduous forest	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations	2	104100	Broadleaved deciduous forest
4.	Forest and woodlands	4.2	Coniferous forests	4.2.0	Coniferous forest	2	104200	Coniferous forests
5.	Heathlands and shrub	5.2	Scrub and heathland	5.2.3	Temperate shrub heathland	3	105203	Temperate shrub heathland
6.	Sparsely vegetated ecosystems	6.1	Bare rocks	6.1.1	Rocky pavements, outcrops, and screes	3	106101	Rocky pavements, outcrops, and screes
6.	Sparsely vegetated ecosystems	6.2	Semi-desert, desert and other sparsely vegetated areas	6.2.3	Other sparsely vegetated areas	3	106203	Other sparsely vegetated areas
7.	Inland wetlands	7.1	Inland marshes and other wetlands on mineral soil	7.1.1	Inland marshes	1	107000	Inland wetlands
7.	Inland wetlands	7.1	Inland marshes and other wetlands on mineral soil	7.1.2	Inland salt marshes	1	107000	Inland wetlands
7.	Inland wetlands	7.1	Inland marshes and other wetlands on mineral soil	7.1.4	Springs	1	107000	Inland wetlands
7.	Inland wetlands	7.2	Mires, bogs and fens	7.2.1	Raised bogs	1	107000	Inland wetlands
7.	Inland wetlands	7.2	Mires, bogs and fens	7.2.3	Valley mires, poor fens and transition mires	1	107000	Inland wetlands
7.	Inland wetlands	7.2	Mires, bogs and fens	7.2.5	Base-rich fens and calcareous spring mires	1	107000	Inland wetlands
8.	Rivers and canals	8.1	Rivers	8.1.0	Rivers	1	108000	Rivers and canals
8.	Rivers and canals	8.2	Canals, ditches and drains	8.2.0	Canals, ditches and drains	1	108000	Rivers and canals
9.	Lakes and reservoirs	9.1	Lakes and ponds	9.1.1	Lakes and ponds	2	109100	Lakes and ponds
9.	Lakes and reservoirs	9.2	Artificial reservoirs	9.2.1	Artificial reservoirs	2	109200	Artificial reservoirs
10.	Marine inlets and transitional waters	10.1	Coastal lagoons	10.1.1	Coastal lagoons	2	110100	Coastal lagoons
10.	Marine inlets and transitional waters	10.3	Intertidal flats	10.3.1	Intertidal flats (e.g., Wadden Sea)	3	110301	Intertidal flats (e.g., Wadden Sea)
11.	Coastal beaches, dunes and wetlands	11.2	Coastal dunes, beaches and sandy and muddy shores	11.2.1	Coastal dunes	3	111201	Coastal dunes

EU code level 1	EU name level 1	EU code level 2	EU name level 2	EU code level 3	EU name level 3	EU level applied for change analysis	Change analysis code	Change analysis name
11.	Coastal beaches, dunes and wetlands	11.2	Coastal dunes, beaches and sandy and muddy shores	11.2.2	Beaches and sandy shores	3	111202	Beaches and sandy shores
11.	Coastal beaches, dunes and wetlands	11.3	Rocky shores	11.3.1	Coastal shingle	2	111300	Rocky shores
11.	Coastal beaches, dunes and wetlands	11.3	Rocky shores	11.3.2	Rock cliffs, ledges and shores	2	111300	Rocky shores
11.	Coastal beaches, dunes and wetlands	11.4	Coastal saltmarshes and salines	11.4.1	Coastal saltmarshes	3	111401	Coastal saltmarshes
12.	Marine	12.5	Subtidal sand beds and mud plains	12.5.1	Subtidal sand beds and mud plains	3	112501	Subtidal sand beds and mud plains
12.	Marine	12.6	Subtidal rocky substrates	12.6.1	Subtidal rocky substrates	3	112601	Subtidal rocky substrates

7.2 Appendix 2: Aggregation of Basemap codes to EU ecosystem types level 3

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
10110200	Management plans for Defense sites	Sø	Lake	9.1.1	Lakes and ponds
10200200	Management plans for Defense sites	Areal omkring bebyggelse	Area surrounding buildings	1.0.1	Residential area
10200700	Management plans for Defense sites	Øvelsesareal	Practice ground	1.0.2	Commercial and industrial area
10200800	Management plans for Defense sites	Militære anlæg	Military installation	1.0.2	Commercial and industrial area
10200900	Management plans for Defense sites	Øvelsesareal (ubevokset_bar)	Practice ground (bare)	1.0.2	Commercial and industrial area
10201100	Management plans for Defense sites	Publikumsareal	Public area	1.4.2	Sports and recreation sites
10201400	Management plans for Defense sites	Skydebane	Shooting range	1.4.2	Sports and recreation sites
10201700	Management plans for Defense sites	Grusgrav	Gravel pit	1.3.5	Mineral extraction sites (excluding peat extraction sites, see 7.3.1)
10220200	Management plans for Defense sites	Bæltevej	Tank track	6.2.3	Other sparsely vegetated areas
10230000	Management plans for Defense sites	Brandbaelte	Fire break	6.2.3	Other sparsely vegetated areas
10310100	Management plans for Defense sites	Eng	Wet meadow	3.2.3	Seasonally wet and wet grassland
10310200	Management plans for Defense sites	Strandsump	Coastal swamp	11.4.1	Coastal saltmarshes
10310300	Management plans for Defense sites	Mose	Mire / bog	7.2.3	Valley mires, poor fens and transition mires
10310400	Management plans for Defense sites	Strandeng	Coastal meadow	11.4.1	Coastal saltmarshes
10320100	Management plans for Defense sites	Hede	Heather	5.2.3	Temperate shrub heathland
10320200	Management plans for Defense sites	Frit areal (overdrev)	Open area	3.2.2	Dry grassland
10320400	Management plans for Defense sites	Slette, Overdrev (Slette)	Plain	3.2.2	Dry grassland
10320500	Management plans for Defense sites	Slette, Overdrev (overdrev)	Dry meadow	3.2.2	Dry grassland
10320600	Management plans for Defense sites	Klit	Dune	11.2.1	Coastal dunes
10320700	Management plans for Defense sites	Hede	Heather	5.2.3	Temperate shrub heathland
10320800	Management plans for Defense sites	Strandbred	Beach	11.2.2	Beaches and sandy shores
10600200	Management plans for Defense sites	Ukultiveret areal	Uncultivated area	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10610100	Management plans for Defense sites	Hvidel	Grey alder	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
10610200	Management plans for Defense sites	Løvtræ uden særlig kode	Not specified deciduous tree	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10610300	Management plans for Defense sites	Ask	Ash	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10610400	Management plans for Defense sites	Bævreasp	Aspen	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10610600	Management plans for Defense sites	Birk	Birch	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10610700	Management plans for Defense sites	Bøg	Beech	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10610900	Management plans for Defense sites	Contorta	Contorta	4.2.0	Coniferous forest
10611000	Management plans for Defense sites	Eg	Oak	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10611100	Management plans for Defense sites	El	Alder	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10611200	Management plans for Defense sites	Elm	Elm	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10611300	Management plans for Defense sites	Ær	Great maple	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10611700	Management plans for Defense sites	Kirsebær	Cherry	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10612000	Management plans for Defense sites	Lind	Lime	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10612200	Management plans for Defense sites	Pil	Willow	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10612300	Management plans for Defense sites	Poppel	Poplar	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10612400	Management plans for Defense sites	Rødeg	Red oak	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10612500	Management plans for Defense sites	Rødel	Common alder	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10612600	Management plans for Defense sites	Røn	Mountain ash	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10612800	Management plans for Defense sites	Krat	Scrub	4.0.0	Forest undefined
10620100	Management plans for Defense sites	Japansk lærk	Japanease larch	4.2.0	Coniferous forest
10620200	Management plans for Defense sites	Grandis	Grandis	4.2.0	Coniferous forest
10620300	Management plans for Defense sites	Nåletræ uden særlig kode	Not specified coniferous tree	4.2.0	Coniferous forest
10620500	Management plans for Defense sites	Bjergfyr	Mountain pine	4.2.0	Coniferous forest
10620700	Management plans for Defense sites	Cypres	Cypress	4.2.0	Coniferous forest
10620800	Management plans for Defense sites	Douglas	Douglas fir	4.2.0	Coniferous forest
10620900	Management plans for Defense sites	Europæisk lærk	European larch	4.2.0	Coniferous forest

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
10621000	Management plans for Defense sites	Frans bjergfyr	Frensh mountain pine	4.2.0	Coniferous forest
10621100	Management plans for Defense sites	Almindelig ædelgran	Common silver fir	4.2.0	Coniferous forest
10621400	Management plans for Defense sites	Lærk	Larch	4.2.0	Coniferous forest
10621500	Management plans for Defense sites	Nordmannsgran	Norman spruce	4.2.0	Coniferous forest
10621600	Management plans for Defense sites	Nobilis	Nobilis	4.2.0	Coniferous forest
10621700	Management plans for Defense sites	Omorika	Omorika	4.2.0	Coniferous forest
10621800	Management plans for Defense sites	Østrigsk fyr	Austran pine	4.2.0	Coniferous forest
10621900	Management plans for Defense sites	Rødgran	Common spruce	4.2.0	Coniferous forest
10622000	Management plans for Defense sites	Sitagran	Sita spruce	4.2.0	Coniferous forest
10622100	Management plans for Defense sites	Skovfyr	Scotsh pine	4.2.0	Coniferous forest
10622400	Management plans for Defense sites	Hvidgran	White spruce	4.2.0	Coniferous forest
10700100	Management plans for Defense sites	Ager	Field	2.1.10	Other crops (further categories may be added by Member States, depending upon nationally important crop types).
10710100	Management plans for Defense sites	Slette, Overdrev (græsset)	Grazed plain	3.2.2	Dry grassland
10710200	Management plans for Defense sites	Vildtager	Gaming area	2.1.10	Other crops (further categories may be added by Member States, depending upon nationally important crop types).
10710300	Management plans for Defense sites	Flysikkerhedsbeplantning	Aviation security planting	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
10710400	Management plans for Defense sites	Skrænt	Hillside	11.3.2	Rock cliffs, ledges and shores
10710500	Management plans for Defense sites	Vold	Mound	3.2.2	Dry grassland
20110200	Management plans for state forests	Sø	Lake	9.1.1	Lakes and ponds
20200400	Management plans for state forests	Campingplads	Camping site	1.4.2	Sports and recreation sites
20200600	Management plans for state forests	Golfbane	Golf course	1.4.2	Sports and recreation sites
20201000	Management plans for state forests	Park	Park / recreation ground	1.4.2	Sports and recreation sites
20201100	Management plans for state forests	Publikumsareal	Public area	1.4.2	Sports and recreation sites
20201200	Management plans for state forests	Ruin, gravhøj	Ruin / barrow	1.4.2	Sports and recreation sites
20201300	Management plans for state forests	Råstofgrav	Ressource extraction	1.3.5	Mineral extraction sites (excluding peat extraction sites, see 7.3.1)

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
20201600	Management plans for state forests	Grusgrav	Gravel pit	1.3.5	Mineral extraction sites (excluding peat extraction sites, see 7.3.1)
20220200	Management plans for state forests	Bæltevej	Tank track	6.2.3	Other sparsely vegetated areas
20230000	Management plans for state forests	Brandbaelte	Fire break	6.2.3	Other sparsely vegetated areas
20310100	Management plans for state forests	Eng	Wet meadow	3.2.3	Seasonally wet and wet grassland
20310200	Management plans for state forests	Strandsump	Coastal swamp	11.4.1	Coastal saltmarshes
20310300	Management plans for state forests	Mose	Mire / bog	7.2.3	Valley mires, poor fens and transition mires
20310400	Management plans for state forests	Strandeng	Coastal meadow	11.4.1	Coastal saltmarshes
20310500	Management plans for state forests	Marsk	Coastal marsh	11.4.1	Coastal saltmarshes
20320100	Management plans for state forests	Hede	Heather	5.2.3	Temperate shrub heathland
20320300	Management plans for state forests	Klippe	Rock	6.1.1	Rocky pavements, outcrops, and screes
20320400	Management plans for state forests	Slette, Overdrev (Slette)	Plain	3.2.2	Dry grassland
20320500	Management plans for state forests	Slette, Overdrev (overdrev)	Dry meadow	3.2.2	Dry grassland
20320600	Management plans for state forests	Klit	Dune	11.2.1	Coastal dunes
20320800	Management plans for state forests	Strandbred	Beach	11.2.2	Beaches and sandy shores
20600200	Management plans for state forests	Ukultiveret areal	Uncultivated area	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20600300	Management plans for state forests	Skrænt	Hillside	11.3.2	Rock cliffs, ledges and shores
20610100	Management plans for state forests	Hvidel	Grey alder	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20610200	Management plans for state forests	Løvtræ uden særlig kode	Not specified deciduous tree	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20610300	Management plans for state forests	Ask	Ash	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20610400	Management plans for state forests	Bævreasp	Aspen	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20610500	Management plans for state forests	Avnbøg	Hornbeam	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20610600	Management plans for state forests	Birk	Birch	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20610700	Management plans for state forests	Bøg	Beech	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20610800	Management plans for state forests	Ægte kastanie	Sweet	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20610900	Management plans for state forests	Contorta	Contorta	4.2.0	Coniferous forest

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
20611000	Management plans for state forests	Eg	Oak	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20611100	Management plans for state forests	El	Alder	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20611200	Management plans for state forests	Elm	Elm	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20611300	Management plans for state forests	Ær	Great maple	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20611400	Management plans for state forests	Hassel	Hazel	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20611600	Management plans for state forests	Hestekastanie	Horse Chetnut	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20611700	Management plans for state forests	Kirsebær	Cherry	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20611900	Management plans for state forests	Kristtorn	Holly	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20612000	Management plans for state forests	Lind	Lime	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20612100	Management plans for state forests	Spidsløn	Norway maple	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20612200	Management plans for state forests	Pil	Willow	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20612300	Management plans for state forests	Poppel	Poplar	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20612400	Management plans for state forests	Rødeg	Red oak	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20612500	Management plans for state forests	Rødel	Common alder	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20612600	Management plans for state forests	Røn	Mountain ash	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20612800	Management plans for state forests	Krat	Scrub	4.0.0	Forest undefined
20620100	Management plans for state forests	Japansk lærk	Japanease larch	4.2.0	Coniferous forest
20620200	Management plans for state forests	Grandis	Grandis	4.2.0	Coniferous forest
20620300	Management plans for state forests	Nåletræ uden særlig kode	Not specified coniferous tree	4.2.0	Coniferous forest
20620400	Management plans for state forests	Veitchii	Veitchii	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
20620500	Management plans for state forests	Bjergfyr	Mountain pine	4.2.0	Coniferous forest
20620600	Management plans for state forests	Cryptomeria	Cryptomeria	4.2.0	Coniferous forest
20620700	Management plans for state forests	Cypres	Cypress	4.2.0	Coniferous forest
20620800	Management plans for state forests	Douglas	Douglas fir	4.2.0	Coniferous forest
20620900	Management plans for state forests	Europæisk lærk	European larch	4.2.0	Coniferous forest

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
20621000	Management plans for state forests	Fransk bjergfyr	Frensh mountain pine	4.2.0	Coniferous forest
20621100	Management plans for state forests	Almindelig ædelgran	Common silver fir	4.2.0	Coniferous forest
20621200	Management plans for state forests	Hybridlærk	Hybrid larch	4.2.0	Coniferous forest
20621300	Management plans for state forests	Weymouthsfyr	Weymouth pine	4.2.0	Coniferous forest
20621400	Management plans for state forests	Lærk	Larch	4.2.0	Coniferous forest
20621500	Management plans for state forests	Nordmannsgran	Norman spruce	4.2.0	Coniferous forest
20621600	Management plans for state forests	Nobilis	Nobilis	4.2.0	Coniferous forest
20621700	Management plans for state forests	Omorika	Omorika	4.2.0	Coniferous forest
20621800	Management plans for state forests	Østrigsk fyr	Austran pine	4.2.0	Coniferous forest
20621900	Management plans for state forests	Rødgran	Common spruce	4.2.0	Coniferous forest
20622000	Management plans for state forests	Sitagran	Sita spruce	4.2.0	Coniferous forest
20622100	Management plans for state forests	Skovfyr	Scotsh pine	4.2.0	Coniferous forest
20622200	Management plans for state forests	Thuja	Thuja	4.2.0	Coniferous forest
20622300	Management plans for state forests	Tsuga	Hemlock	4.2.0	Coniferous forest
20622400	Management plans for state forests	Hvidgran	White spruce	4.2.0	Coniferous forest
20700100	Management plans for state forests	Ager	Field	2.1.10	Other crops (further categories may be added by Member States, depending upon nationally important crop types).
20700200	Management plans for state forests	Planteskole	Forest nursery	2.6.1	Nurseries
20710200	Management plans for state forests	Vildtager	Gaming area	2.1.10	Other crops (further categories may be added by Member States, depending upon nationally important crop types).
30000100	Protected habitat types (§ 3-registration)	Eng	Wet meadow	3.2.3	Seasonally wet and wet grassland
30000200	Protected habitat types (§ 3-registration)	Hede	Heather	5.2.3	Temperate shrub heathland
30000300	Protected habitat types (§ 3-registration)	Mose	Mire / bog	7.2.3	Valley mires, poor fens and transition mires
30000400	Protected habitat types (§ 3-registration)	Overdrev	Dry meadow	3.2.2	Dry grassland
30000500	Protected habitat types (§ 3-registration)	Strandeng	Coastal meadow	11.4.1	Coastal saltmarshes
30000600	Protected habitat types (§ 3-registration)	Sø	Lake	9.1.1	Lakes and ponds
40115000	Natura2000 habitat types	Lagune	Coastal lagoon	10.1.1	Coastal lagoons

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
40121000	Natura2000 habitat types	Strandvold med enårig vegetation	Annual vegetation of drift lines	11.2.2	Beaches and sandy shores
40122000	Natura2000 habitat types	Strandvold med flerårig vegetation	Perennial vegetation of stony banks	11.2.2	Beaches and sandy shores
40123000	Natura2000 habitat types	Kystklint/klippe	Vegetated sea cliffs of the Atlantic and Baltic coasts	11.3.2	Rock cliffs, ledges and shores
40131000	Natura2000 habitat types	Enårig strandengsvegeta-tion	Salicornia and other annu-als colonising mud and sand	11.4.1	Coastal saltmarshes
40132000	Natura2000 habitat types	Vadegræssamfund	Spartina swards	11.4.1	Coastal saltmarshes
40133000	Natura2000 habitat types	Strandeng	Atlantic salt meadows	11.4.1	Coastal saltmarshes
40134000	Natura2000 habitat types	Indlandssalteng	Inland salt meadows	7.1.2	Inland salt marshes
40211000	Natura2000 habitat types	Forklit	Embryonic shifting dunes	11.2.1	Coastal dunes
40212000	Natura2000 habitat types	Hvid klit	Shifting dunes along the shoreline with Ammophila arenaria (white dunes)	11.2.1	Coastal dunes
40213000	Natura2000 habitat types	Grå/grøn klit	Fixed coastal dunes with herbaceous vegetation (grey dunes)	11.2.1	Coastal dunes
40214000	Natura2000 habitat types	Klithede	Decalcified fixed dunes with Empetrum nigrum	5.2.3	Temperate shrub heathland
40216000	Natura2000 habitat types	Havtornklit	Dunes with Hippophae rhamnoides	11.2.1	Coastal dunes
40217000	Natura2000 habitat types	Gråriskl it	Dunes with Salix repens ssp. argentea (Salicion arenariea)	11.2.1	Coastal dunes
40218000	Natura2000 habitat types	Skovklit	Wooded dunes of the At-lantic, Continental and Bo-real region	4.0.0	Forest undefined
40219000	Natura2000 habitat types	Klitlavning	Humid dune slacks	7.2.3	Valley mires, poor fens and transi-tion mires
40225000	Natura2000 habitat types	Enebærklit	Coastal dunes with Juni-perus spp.	11.2.1	Coastal dunes
40231000	Natura2000 habitat types	Visse-indlandsklit	Dry sand heaths with Cal-luna and Genista	5.2.3	Temperate shrub heathland
40232000	Natura2000 habitat types	Revling-indlandsklit	Dry sand heaths with Cal-luna and Empetrum nigrum	5.2.3	Temperate shrub heathland
40233000	Natura2000 habitat types	Græs-indlandsklit	Inland dunes with open Corynephorus and Ag-rostis grasslands	5.2.3	Temperate shrub heathland
40311000	Natura2000 habitat types	Lobeliesø	Oligotrophic waters con-taining very few minerals of sandy plains (Littorelle-talia uniflorae)	9.1.1	Lakes and ponds
40313000	Natura2000 habitat types	Søbred med småur-ter	Oligotrophic to meso-trophic standing waters with vegetation of the Litto-relletea uniflorae and/or of the Isoeto-Nanojuncetea	9.1.1	Lakes and ponds

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
40314000	Natura2000 habitat types	Kransnålalgesø	Hard oligo-mesotrophic waters with benthic vegetation of Chara spp	9.1.1	Lakes and ponds
40315000	Natura2000 habitat types	Næringsrig sø	Natural eutrophic lakes with Magnopotamion or Hydrocharition -type vegetation	9.1.1	Lakes and ponds
40316000	Natura2000 habitat types	Brunvandet sø	Natural dystrophic lakes and ponds	9.1.1	Lakes and ponds
40401000	Natura2000 habitat types	Våd hede	Northern Atlantic wet heaths with Erica tetralix	5.2.3	Temperate shrub heathland
40403000	Natura2000 habitat types	Tør hede	European dry heaths	5.2.3	Temperate shrub heathland
40513000	Natura2000 habitat types	Enekrat	Juniperus communis formations on heaths or calcareous grasslands	5.2.3	Temperate shrub heathland
40612000	Natura2000 habitat types	Tør overdrev på kalkholdigt sand	Xeric sand calcareous grasslands	3.2.2	Dry grassland
40621000	Natura2000 habitat types	Kalkoverdrev	Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia)	3.2.2	Dry grassland
40623000	Natura2000 habitat types	Surt overdrev	Species-rich Nardus grasslands, on siliceous substrates in mountain areas (and submountain areas, in Continental Europe)	3.2.2	Dry grassland
40641000	Natura2000 habitat types	Tidvis våd eng	Molinia meadows on calcareous, peaty or clayey-silt laden soils (Molinion caeruleae)	3.2.3	Seasonally wet and wet grassland
40643000	Natura2000 habitat types	Bræmmer med høje urter langs vandløb eller skyggende skovbryn	Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels	3.2.3	Seasonally wet and wet grassland
40711000	Natura2000 habitat types	Højmose	Active raised bogs	7.2.1	Raised bogs
40712000	Natura2000 habitat types	Nedbrudt højmose	Degraded raised bogs still capable of natural regeneration	7.2.1	Raised bogs
40714000	Natura2000 habitat types	Hængesæk	Transition mires and quaking bogs	7.2.3	Valley mires, poor fens and transition mires
40715000	Natura2000 habitat types	Tørvelavning	Depressions on peat substrates of the Rhynchosporion	7.2.3	Valley mires, poor fens and transition mires
40721000	Natura2000 habitat types	Avneknippemose	Calcareous fens with Cladium mariscus and species of the Caricion davallianae	7.2.3	Valley mires, poor fens and transition mires
40722000	Natura2000 habitat types	Kildevæld	Petrifying springs with tufa formation (Cratoneurion)	7.2.5	Base-rich fens and calcareous spring mires
40723000	Natura2000 habitat types	Rigkær	Alkaline fens	7.2.5	Base-rich fens and calcareous spring mires
40822000	Natura2000 habitat types	Indlandsklippe	Siliceous rocky slopes with chasmophytic vegetation	6.1.1	Rocky pavements, outcrops, and screes
40911000	Natura2000 habitat types	Bøg på mor	Luzulo-Fagetum beech forests	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
40912000	Natura2000 habitat types	Bøg på mor med kristtorn	Atlantic acidophilous beech forests with Ilex and sometimes also Taxus in the shrublayer (Quercinion robori-petraeae or Ilici-Fagenion)	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
40913000	Natura2000 habitat types	Bøg på muld	Asperulo-Fagetum beech forests	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
40915000	Natura2000 habitat types	Bøg på kalk	Medio-European limestone beech forests of the Cephalanthero-Fagion	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
40916000	Natura2000 habitat types	Ege-blandskov	Sub-Atlantic and medio-European oak or oakhornbeam forests of the Carpinion betuli	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
40917000	Natura2000 habitat types	Vinteregeskov	Galio-Carpinetum oak-hornbeam forests	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
40919000	Natura2000 habitat types	Stilkege-krat	Old acidophilous oak woods with Quercus robur on sandy plains	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
40999800	Natura2000 habitat types	Skovbevoksede tørvemoser	Bog woodland	4.1.2	Broadleaved swamp forest on non-acid and acid peat
40999900	Natura2000 habitat types	Elle- og askeskov ved vandløb, søer og væld	Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)	4.1.1	Riparian forest and woodland
50311900	Topographical database	Rekreativt område	Recreation area	1.4.2	Sports and recreation sites
50600000	Topographical database	Land	Land	0.0.0	Terrestrial (not classified)
50990101	Topographical database	Teknisk areal, Affaldsanlæg	Technical area, Waste plant	1.0.2	Commercial and industrial area
50990102	Topographical database	Teknisk areal, Genbrugsplads	Technical area, Recycling depot	1.0.2	Commercial and industrial area
50990103	Topographical database	Teknisk areal, Energiforsyningsanlæg	Technical area, Energy supply plant	1.0.2	Commercial and industrial area
50990104	Topographical database	Teknisk areal, Solenergi	Technical area, Solar power	1.0.2	Commercial and industrial area
50990105	Topographical database	Teknisk areal, Vindmøllepark	Technical area, Wind turbine park	1.0.2	Commercial and industrial area
50990106	Topographical database	Teknisk areal, Togstation/rangéranlæg	Technical area, Train station/rail area	1.3.1	Road and rail networks and associated land
50990107	Topographical database	Teknisk areal, Vandrensningsanlæg	Technical area, Water purifying plant	1.0.2	Commercial and industrial area
50990108	Topographical database	Teknisk areal, Vandværk	Technical area, Water board	1.0.2	Commercial and industrial area
50990109	Topographical database	Teknisk areal, Rekreativt anlæg	Technical area, Recreation area	1.4.2	Sports and recreation sites
50990110	Topographical database	Teknisk areal, Sportsanlæg	Technical area, Sports ground	1.4.2	Sports and recreation sites
50990111	Topographical database	Teknisk areal, Golfplads	Technical area, Golf course	1.4.2	Sports and recreation sites
50990112	Topographical database	Teknisk areal, Landingsbane	Technical area, Runway	1.3.3	Airports
50990113	Topographical database	Teknisk areal, Lufthavn	Technical area, Airport	1.3.3	Airports
50990114	Topographical database	Teknisk areal, Materielgård	Technical area, Equipment yard	1.0.2	Commercial and industrial area

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
50990115	Topographical database	Teknisk areal, Militært anlæg	Technical area, Military site	1.0.2	Commercial and industrial area
50990116	Topographical database	Teknisk areal, Parkeringsanlæg	Technical area, Car park	1.0.2	Commercial and industrial area
50990117	Topographical database	Teknisk areal, Ikke tildelt	Technical area, Not specified	1.0.2	Commercial and industrial area
50990118	Topographical database	Teknisk areal, Ukendt	Technical area, Unknown	1.0.2	Commercial and industrial area
50990119	Topographical database	Teknisk areal, Baneterræn	Technical area, Railway site	1.3.1	Road and rail networks and associated land
50990201	Topographical database	Bassin, Andet	Basin, Other	9.2.1	Artificial reservoirs
50990202	Topographical database	Bassin, Ikke tildelt	Basin, Not specified	9.2.1	Artificial reservoirs
50990203	Topographical database	Bassin, Overløbsbassin	Basin, Overflow basin	9.2.1	Artificial reservoirs
50990204	Topographical database	Bassin, Rensningsanlæg	Basin, Wastewater treatment plant	9.2.1	Artificial reservoirs
50990205	Topographical database	Bassin, Svømmebassin	Basin, Swimming pool	9.2.1	Artificial reservoirs
50990206	Topographical database	Bassin, Ukendt	Basin, Unknown	9.2.1	Artificial reservoirs
50990207	Topographical database	Bassin, Regnvandsbassin	Basin, Storm water reservoir	9.2.1	Artificial reservoirs
50991700	Topographical database	Skov	Forest	4.0.0	Forest undefined
50991800	Topographical database	Hede	Heather	5.2.3	Temperate shrub heathland
50991900	Topographical database	Vådområde	Wetland	7.2.3	Valley mires, poor fens and transition mires
50991901	Topographical database	Strandbred	Beach	11.2.2	Beaches and sandy shores
50991902	Topographical database	Strandeng	Coastal meadow	11.4.1	Coastal saltmarshes
50992100	Topographical database	Sand / klit	Sand / dune	11.2.2	Beaches and sandy shores
50992200	Topographical database	Råstofgrav	Ressource extraction	1.3.5	Mineral extraction sites (excluding peat extraction sites, see 7.3.1)
50994201	Topographical database	Sø, Fiskedam	Lake, Fishpond	9.1.1	Lakes and ponds
50994202	Topographical database	Sø, Sø	Lake, Lake	9.1.1	Lakes and ponds
50994601	Topographical database	Bygning, Bygning	Building, Building	1.0.1	Residential area
50994602	Topographical database	Bygning, Tank/Silo	Building, Tank/silo	1.0.2	Commercial and industrial area
50994603	Topographical database	Bygning, Husbåd	Building, Houseboat	1.0.1	Residential area
50994604	Topographical database	Bygning, Drivhus	Building, Greenhouse	1.0.2	Commercial and industrial area
50994605	Topographical database	Bygning, Andet	Building, Other	1.0.1	Residential area
50995200	Topographical database	Bykerne	City centre	1.0.1	Residential area
50995300	Topographical database	Erhverv	Buisness	1.0.2	Commercial and industrial area
50995400	Topographical database	Lav bebyggelse	Low built up	1.0.1	Residential area
50995500	Topographical database	Høj bebyggelse	High built up	1.0.1	Residential area
50996311	Topographical database	Vejmidte, Hovedrute, Befæstet, Motorvej	Road centreline, Main route, Paved, Highway	1.3.1	Road and rail networks and associated land
50996312	Topographical database	Vejmidte, Hovedrute, Befæstet, Motortrafikvej	Road centreline, Main route, Paved, Secondary highway	1.3.1	Road and rail networks and associated land
50996313	Topographical database	Vejmidte, Gennemfartsrute, Befæstet	Road centreline, Throughfare route, Paved	1.3.1	Road and rail networks and associated land
50996314	Topographical database	Vejmidte, Fordelingsrute, Befæstet	Road centreline, Distribution route, Paved	1.3.1	Road and rail networks and associated land

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
50996315	Topographical database	Vejmidte, Stor vej, Befæstet	Road centreline, Large road, Paved	1.3.1	Road and rail networks and associated land
50996316	Topographical database	Vejmidte, Mellem vej, Befæstet	Road centreline, Intermediate road, Paved	1.3.1	Road and rail networks and associated land
50996317	Topographical database	Vejmidte, Mellem vej, Ubefæstet	Road centreline, Intermediate road, Unpaved	1.3.1	Road and rail networks and associated land
50996318	Topographical database	Vejmidte, Lille vej, Befæstet	Road centreline, Small road, Paved	1.3.1	Road and rail networks and associated land
50996319	Topographical database	Vejmidte, Lille vej, Befæstet, Gågade	Road centreline, Small road, Paved, Pedestrian street	1.3.1	Road and rail networks and associated land
50996320	Topographical database	Vejmidte, Lille vej, Ubefæstet	Road centreline, Small road, Unpaved	1.3.1	Road and rail networks and associated land
50996321	Topographical database	Vejmidte, Anden vej, Befæstet	Road centreline, Other road, Paved	1.3.1	Road and rail networks and associated land
50996322	Topographical database	Vejmidte, Anden vej, Befæstet, Gågade	Road centreline, Other road, Paved, Pedestrian street	1.3.1	Road and rail networks and associated land
50996323	Topographical database	Vejmidte, Anden vej, Ubefæstet	Road centreline, Other road, Unpaved	1.3.1	Road and rail networks and associated land
50996324	Topographical database	Vejmidte, Adgangsvej, Befæstet	Road centreline, Access road, Paved	1.3.1	Road and rail networks and associated land
50996325	Topographical database	Vejmidte, Adgangsvej, Befæstet, Gågade	Road centreline, Access road, Paved, Pedestrian street	1.3.1	Road and rail networks and associated land
50996326	Topographical database	Vejmidte, Adgangsvej, Ubefæstet	Road centreline, Access road, Unpaved	1.3.1	Road and rail networks and associated land
50996327	Topographical database	Vejmidte, Cykelsti, Befæstet	Road centreline, Cycle path, Paved	1.3.1	Road and rail networks and associated land
50996328	Topographical database	Vejmidte, Cykelsti, Ubefæstet	Road centreline, Cycle path, Unpaved	1.3.1	Road and rail networks and associated land
50996329	Topographical database	Vejmidte, Sti, Befæstet	Road centreline, Path, Paved	1.3.1	Road and rail networks and associated land
50996330	Topographical database	Vejmidte, Sti, Befæstet, Gågade	Road centreline, Path, Paved, Pedestrian street	1.3.1	Road and rail networks and associated land
50996331	Topographical database	Vejmidte, Sti, Ubefæstet	Road centreline, Path, Unpaved	1.3.1	Road and rail networks and associated land
50996401	Topographical database	Jernbane, Synlig	Railway, Visible	1.3.1	Road and rail networks and associated land
50996510	Topographical database	Vandløbsmidte, 2,5 - 12 m bredde, ikke netværk	Stream centreline, 2.5 - 12 m width, not network	8.2.0	Canals, ditches and drains
50996511	Topographical database	Vandløbsmidte, 2,5 - 12 m bredde, netværk	Stream centreline, 2.5 - 12 m width, network	8.1.0	Rivers
50996520	Topographical database	Vandløbsmidte, >=12 m bredde, ikke netværk	Stream centreline, >= 12 m width, not network	8.2.0	Canals, ditches and drains
50996521	Topographical database	Vandløbsmidte, >=12 m bredde, netværk	Stream centreline, >= 12 m width, network	8.1.0	Rivers
50997001	Topographical database	Startbane, Start/landing	Runway, Take off/landing	1.3.3	Airports
50997002	Topographical database	Startbane, Taxivej	Runway, Taxi way	1.3.3	Airports
50997003	Topographical database	Startbane, Plads	Runway, Parking	1.3.3	Airports
50997800	Topographical database	Begravelsesområde	Burial ground	1.5.2	Cemeteries
61000100	Field block map, aggregated crop code	Markblok, ikke klassificeret	Field block, not classified	2.0.0	Other farmland

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
61000200	Field block map, aggregated crop code	Markblok, blanding	Field block, mixture	2.0.0	Other farmland
61000300	Field block map, aggregated crop code	Markblok, skov	Field block, forest	4.0.0	Forest undefined
61000400	Field block map, aggregated crop code	Markblok, intensiv, midlertidige afgrøder	Field block, intensive, periodical crop	2.1.0	Annual cropland
61000500	Field block map, aggregated crop code	Markblok, intensiv, permanente afgrøder	Field block, intensive, permanent crop	2.3.0	Permanent crops
61000600	Field block map, aggregated crop code	Markblok, ekstensiv	Field block, extensive	3.1.0	Sown pastures and other grass (modified grassland)
61000700	Field block map, aggregated crop code	Markblok, væksthus	Field block, greenhouse	1.0.2	Commercial and industrial area
61000800	Field block map, aggregated crop code	Markblok, solceller	Field block, solar panels	1.0.2	Commercial and industrial area
70000100	Field parcel map	Vårbyg	Spring barley	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70000200	Field parcel map	Vårhvede	Spring wheat	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70000300	Field parcel map	Vårhavre	Oat	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70000400	Field parcel map	Blanding af vårsåede kornarter	Other spring cereal	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70000500	Field parcel map	Majs til modenhed	Maize to maturity	2.1.2	Maize (C1500 + G3000)
70000600	Field parcel map	Vårhvede, brødhvede	Spring wheat, near cereal	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70000700	Field parcel map	Korn + bælgsæd under 50% bælgsæd	Cereal/pulse, max. 50 % pulse	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70000800	Field parcel map	Vårspelt	Spring spelt	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70000900	Field parcel map	Vinterspelt	Wither spelt	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70001000	Field parcel map	Vinterbyg	Winter barley	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70001100	Field parcel map	Vinterhvede	Winter wheat	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70001300	Field parcel map	Vinterhvede, brødhvede	Wither wheat, near cereal	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70001400	Field parcel map	Vinterrug	Winter rye	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70001500	Field parcel map	Vinterhybridrug	Hybrid rye	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70001600	Field parcel map	Vintertriticale	Winter triticale	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70001700	Field parcel map	Blanding af efterårssåede kornarter	Other winter cereals	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70001800	Field parcel map	Korn og bælgsæd (over 50 % bælgsæd)	Cereal and pulse seed (> 50% pulse seed)	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70001900	Field parcel map	Majs til modenhed med græsudlæg	Maize to maturity with grass cover	2.1.2	Maize (C1500 + G3000)
70002100	Field parcel map	Vårraps	Spring rape	2.1.6	Industrial crops including annual bioenergy crops (I0000)
Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
70002200	Field parcel map	Vinterraps	Winter rape	2.1.6	Industrial crops including annual bioenergy crops (I0000)
70002300	Field parcel map	Rybs	Rape	2.1.6	Industrial crops including annual bioenergy crops (I0000)

70002400	Field parcel map	Solsikke	Sunflower	2.1.6	Industrial crops including annual bioenergy crops (I0000)
70002500	Field parcel map	Sojabønner	Soy bean	2.1.3	Dry pulses and protein crops (P0000)
70002600	Field parcel map	Linser	Lentil	2.1.3	Dry pulses and protein crops (P0000)
70002700	Field parcel map	Kikærter	Chickpea	2.1.3	Dry pulses and protein crops (P0000)
70003000	Field parcel map	Ærter	Pea	2.1.3	Dry pulses and protein crops (P0000)
70003100	Field parcel map	Hestebønner	Broad bean	2.1.3	Dry pulses and protein crops (P0000)
70003200	Field parcel map	Lupin	Lupine	2.1.3	Dry pulses and protein crops (P0000)
70003500	Field parcel map	Bælgsæd, flerårig blanding	Other pulse, perennial	2.1.3	Dry pulses and protein crops (P0000)
70003600	Field parcel map	Bælgsæd, andre typer til modenhed blanding	Other pulse seed to maturity	2.1.3	Dry pulses and protein crops (P0000)
70004000	Field parcel map	Oliehør	Flax grown as an oilseed crop	2.1.6	Industrial crops including annual bioenergy crops (I0000)
70004200	Field parcel map	Hamp	Hemp	2.1.6	Industrial crops including annual bioenergy crops (I0000)
70005100	Field parcel map	Blanding bredbladet afgrøde, frø/kerne	Mixture of wide-leaf crops	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70005200	Field parcel map	Quinoa	Quinoa	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70005300	Field parcel map	Boghvede	Buckwheat	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70005400	Field parcel map	Bælgsæd blanding	Pulse seed, mixture	2.1.3	Dry pulses and protein crops (P0000)
70005500	Field parcel map	Vårrug	Spring rye	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70005600	Field parcel map	Vårtriticale	Spring triticale	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70005700	Field parcel map	Vinterhavre	Winter oat	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70005800	Field parcel map	Sorghum	Sorghum	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70010100	Field parcel map	Rajgræsfrø, alm.	Rai grass seed	2.1.9	Temporary grasses (G1000)
70010200	Field parcel map	Rajgræsfrø, alm. 1. år, efterårsudlagt	Rai grass seed, fall planted	2.1.9	Temporary grasses (G1000)
70010300	Field parcel map	Rajgræsfrø, ital.	Italian rai grass seed	2.1.9	Temporary grasses (G1000)
70010400	Field parcel map	Rajgræsfrø, ital. 1. år efterårsudlagt	Italian rai grass seed, fall planted	2.1.9	Temporary grasses (G1000)
70010500	Field parcel map	Timothefrø	Timothy seed	2.1.9	Temporary grasses (G1000)
70010600	Field parcel map	Hundegræsfrø	Orchard grass seed	2.1.9	Temporary grasses (G1000)
70010700	Field parcel map	Engsvingelfrø	Fescue grass seed	2.1.9	Temporary grasses (G1000)
70010800	Field parcel map	Rødsvingelfrø	Red fescue seed	2.1.9	Temporary grasses (G1000)
70010900	Field parcel map	Rajsvingelfrø	Festulolium	2.1.9	Temporary grasses (G1000)
70011000	Field parcel map	Svingelfrø, bakke	Festuca seed, tray	2.1.9	Temporary grasses (G1000)
70011100	Field parcel map	Svingelfrø, strand	Festuca littorea seed	2.1.9	Temporary grasses (G1000)

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
70011200	Field parcel map	Engrapgræsfrø (marktype)	Smooth meadow grass seed (field type)	2.1.9	Temporary grasses (G1000)
70011300	Field parcel map	Engrapsgræsfrø (plænetype)	Smooth meadow grass seed (lawn type)	2.1.9	Temporary grasses (G1000)
70011400	Field parcel map	Rapgræsfrø, alm.	Meadow grass seed	2.1.9	Temporary grasses (G1000)
70011500	Field parcel map	Hvenefrø, alm. og krybende	Brown top/bent grass seed	2.1.9	Temporary grasses (G1000)
70011600	Field parcel map	Rajgræs, hybrid	Rai grass, hybrid	2.1.9	Temporary grasses (G1000)
70011700	Field parcel map	Rajgræs, efterårsudl. hybrid	Rai grass seed, fall planted, hybrid	2.1.9	Temporary grasses (G1000)
70011800	Field parcel map	Rajsvingelfrø, efterårsudlagt	Festulolium, autumn planted	2.1.9	Temporary grasses (G1000)
70012000	Field parcel map	Kløverfrø	Clover seed	2.1.9	Temporary grasses (G1000)
70012100	Field parcel map	Bælgplanter, frø	Legumes, seed	2.1.3	Dry pulses and protein crops (P0000)
70012200	Field parcel map	Kommenfrø	Caraway seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70012300	Field parcel map	Valmuefrø	Poppy seed	2.1.10	Other crops (further categories may be added by Member States, depending upon nationally important crop types).
70012400	Field parcel map	Spinatfrø	Spinach seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70012500	Field parcel map	Bederoefrø	Beet seed	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70012600	Field parcel map	Blanding af markfrø til udsæd	Other seed for sowing	2.1.10	Other crops (further categories may be added by Member States, depending upon nationally important crop types).
70014900	Field parcel map	Kartofler, lægge- (certificerede)	Seed potato (certified)	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70015000	Field parcel map	Kartofler, lægge- (egen opformering)	Seed potato (own generation)	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70015100	Field parcel map	Kartofler, stivelses-	Starch potato	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70015200	Field parcel map	Kartofler, spise- (pakkeri, vejsalg)	Potato for consumption (packing, road sales)	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70015400	Field parcel map	Kartofler, spise- (proces, skrællet kogte)	Potato for consumption (process, peeled boiled)	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70015500	Field parcel map	Kartofler, pulver/granules-	Potato for consumption (powder/granules)	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70015600	Field parcel map	Kartofler, friteret/chips/pommes frites	Potato for consumption (fried/chips)	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70015700	Field parcel map	Kartofler, spise- tidligt høstede med efterafgrøder	Potato for consumption, early harvested with catch crops	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70016000	Field parcel map	Sukkerroer til fabrik	Beet for industry	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70016100	Field parcel map	Cikorierødder	Chicory root	2.1.4	Root crops, like sugar beet and potatoes (R0000)
70016200	Field parcel map	Blanding, andre industriafgr.	Other crop/root crop for industry	2.1.6	Industrial crops including annual bioenergy crops (I0000)
70017000	Field parcel map	Græs til fabrik (omdrift)	Grass/clover for industry	2.1.9	Temporary grasses (G1000)

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
70017100	Field parcel map	Lucerne, slæt	Lucerne for harvest and own fodder	2.1.9	Temporary grasses (G1000)
70017200	Field parcel map	Lucernegræs, over 25 % græs til slæt inkl. eget foder	Lucerne for harvest and own fodder, min. 25 % grass	2.1.9	Temporary grasses (G1000)
70017300	Field parcel map	Kløver til slæt	Clover for harvest	2.1.9	Temporary grasses (G1000)
70017400	Field parcel map	Kløvergræs til fabrik	Clover for industry	2.1.9	Temporary grasses (G1000)
70018000	Field parcel map	Gul sennep	White mustard	2.1.6	Industrial crops including annual bioenergy crops (I0000)
70018200	Field parcel map	Blanding af oliearter	Mixture of oil seeds	2.1.6	Industrial crops including annual bioenergy crops (I0000)
70021000	Field parcel map	Vårbyg, helsæd	Spring barley, whole crop	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70021100	Field parcel map	Vårhvede, helsæd	Spring wheat, whole crop	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70021200	Field parcel map	Vårhavre, helsæd	Oat, whole crop	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70021300	Field parcel map	Blandkorn, vårsået, helsæd	Dredge corn, spring planted	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70021400	Field parcel map	Korn og bælgsæd, helsæd, under 50% bælgsæd	Cereal, pulse, whole crop max. 50% pulse	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70021500	Field parcel map	Ærtehelsæd	Pea, whole crop	2.1.3	Dry pulses and protein crops (P0000)
70021600	Field parcel map	Silomajs	Silo maize	2.1.2	Maize (C1500 + G3000)
70021700	Field parcel map	Korn og bælgsæd, helsæd (over 50 % bælgsæd)	Cereal and pulse seed, whole crop (> 50 % pulse seed)	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70021800	Field parcel map	Silomajs med græsudlæg	Silo maize with grass cover	2.1.2	Maize (C1500 + G3000)
70022000	Field parcel map	Vinterbyg, helsæd	Winter barley, whole crop	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70022100	Field parcel map	Vinterhvede, helsæd	Winter wheat, whole crop	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70022200	Field parcel map	Vinterrug, helsæd	Winter rye, whole crop	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70022300	Field parcel map	Vintertriticale, helsæd	Winter triticale, whole crop	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70023000	Field parcel map	Blanding af vårkorn, grønkorn	Spring cereal, green grain	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70023400	Field parcel map	Korn og bælgsæd, grønkorn, under 50 % bælgsæd	Cereal/pulse, green grain. max. 50 % pulse	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70023500	Field parcel map	Blanding af vinterkorn, grønkorn	Winter cereal, green grain	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70023600	Field parcel map	Græs med kløver/lucerne, under 50 % bælgpl. (omdrift) efterårsudlagt i vinterkorn til grønkorn	Clover grass, <50 % leguminous plant, fall planted in winter cereal for green grain	2.1.9	Temporary grasses (G1000)

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
70023700	Field parcel map	Græs med kløver/lucerne, over 50 % bælgpl. (omdrift) efterårsudlagt i vinterkorn til grønkorn	Clover grass, >50% leguminous plant, fall planted in winter cereal for green grain	2.1.9	Temporary grasses (G1000)
70024700	Field parcel map	Miljøgræs MVJ-tilsagn (0 N), omdrift	Environmental grass (0 N), in rotation	3.1.0	Sown pastures and other grass (modified grassland)
70025000	Field parcel map	Permanent græs, meget lavt udbytte	Permanent grass, very low yield	3.1.0	Sown pastures and other grass (modified grassland)
70025100	Field parcel map	Permanent græs, lavt udbytte	Permanent grass, low yield	3.1.0	Sown pastures and other grass (modified grassland)
70025200	Field parcel map	Permanent græs, normalt udbytte	Permanent grass, normal yield	3.1.0	Sown pastures and other grass (modified grassland)
70025400	Field parcel map	Miljøgræs MVJ-tilsagn (0 N), permanent	Environmental grass (0 N)	3.1.0	Sown pastures and other grass (modified grassland)
70025500	Field parcel map	Permanent græs, under 50% kløver/lucerne	Permanent grass, <50% clover	3.1.0	Sown pastures and other grass (modified grassland)
70025600	Field parcel map	Permanent kløvergræs, over 50% kløver/lucerne	Permanent grass, >50% clover	3.1.0	Sown pastures and other grass (modified grassland)
70025700	Field parcel map	Permanent græs, uden kløver	Permanent grass, no clover	3.1.0	Sown pastures and other grass (modified grassland)
70025900	Field parcel map	Permanent græs, fabrik, over 6 tons	Permanent grass for industry, min. 6 tons yield	3.1.0	Sown pastures and other grass (modified grassland)
70026000	Field parcel map	Græs med kløver/lucerne, under 50 % bælgpl. (omdrift)	Clover grass, <50% clover	2.1.9	Temporary grasses (G1000)
70026100	Field parcel map	Kløvergræs, over 50% kløver (omdrift)	Clover grass, >50% clover	2.1.9	Temporary grasses (G1000)
70026200	Field parcel map	Lucernegræs, over 50% lucerne (omdrift)	Lucerne grass >50% lucerne	2.1.9	Temporary grasses (G1000)
70026300	Field parcel map	Græs uden kløvergræs (omdrift)	Grass without clover	2.1.9	Temporary grasses (G1000)
70026400	Field parcel map	Græs og kløvergræs uden norm, under 50 % kløver (omdrift)	Grass and clover grass without N-norm	2.1.9	Temporary grasses (G1000)
70026600	Field parcel map	Græs under 50 % kløver/lucerne, ekstremt lavt udbytte (omdrift)	Grass <50% clover, extremely low yield	2.1.9	Temporary grasses (G1000)
70026700	Field parcel map	Græs under 50 % kløver/lucerne, meget lavt udbytte (omdrift)	Grass <50% clover, very low yield	2.1.9	Temporary grasses (G1000)
70026800	Field parcel map	Græs under 50 % kløver/lucerne, lavt udbytte (omdrift)	Grass <50% clover, low yield	2.1.9	Temporary grasses (G1000)
70026900	Field parcel map	Græs, rullegræs	Turf	2.1.9	Temporary grasses (G1000)
70027000	Field parcel map	Græs til udegrise, omdrift	Grass for outdoor pigs, in rotation	2.1.9	Temporary grasses (G1000)
70027100	Field parcel map	Rekreative formål	Areas for recreation purposes	3.1.0	Sown pastures and other grass (modified grassland)
70027200	Field parcel map	Permanent græs til fabrik	Permanent grass for industry	2.1.6	Industrial crops including annual bioenergy crops (I0000)

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
70027300	Field parcel map	Lucerne til fabrik	Lucerne for industry	2.1.6	Industrial crops including annual bi-oenergy crops (I0000)
70027400	Field parcel map	Permanent lucerne-græs over 25 % græs, til fabrik	Permanent lucerne, min 25% for industry	3.1.0	Sown pastures and other grass (modified grassland)
70027600	Field parcel map	Permanent græs og kløvergræs uden norm, under 50 % kløver	Permanent grass/clover grass without N-norm, <50% clover	3.1.0	Sown pastures and other grass (modified grassland)
70027800	Field parcel map	Permanent lucerne og lucernegræs over 50 % lucerne	Permanent grass and lycerne grass >50% lu-cerne	3.1.0	Sown pastures and other grass (modified grassland)
70027900	Field parcel map	Permanent kløver-græs til fabrik	Permanent clover grass for industry	3.1.0	Sown pastures and other grass (modified grassland)
70028000	Field parcel map	Fodersukkerroer	Sugar cane, fodder	2.1.4	Root crops, like sugar beet and po-tatoes (R0000)
70028100	Field parcel map	Kålroer	Swede	2.1.4	Root crops, like sugar beet and po-tatoes (R0000)
70028200	Field parcel map	Fodermarvkål	Marrow-stem kale	2.1.4	Root crops, like sugar beet and po-tatoes (R0000)
70028300	Field parcel map	Fodergulerødder	Carrots, fodder	2.1.4	Root crops, like sugar beet and po-tatoes (R0000)
70028400	Field parcel map	Græs med vikke og andre bælgplanter, under 50 % bælgpl.	Grass with pulses, >50% pulses	2.1.9	Temporary grasses (G1000)
70028500	Field parcel map	Græs og kløvergræs uden norm, over 50 % kløver (omdrift)	Grass and clover without N-norm, >50% clover (in rotation)	2.1.9	Temporary grasses (G1000)
70028600	Field parcel map	Permanent græs og kløvergræs uden norm, over 50 % kløver	Permanent grass and clo-ver grass wihtout N-norm, >50% clover	3.1.0	Sown pastures and other grass (modified grassland)
70028700	Field parcel map	Græs til udegrise, permanent	Grass for outdoor pigs, permanent	3.1.0	Sown pastures and other grass (modified grassland)
70030500	Field parcel map	Permanent græs, uden udbetaling af økologi-tilskud	Permanent grass without payment of subsidies for organic management	3.1.0	Sown pastures and other grass (modified grassland)
70030600	Field parcel map	Græs i omdrift, uden udbetaling af øko-logi-tilskud	Rotational grass without payment of subsidies for organic management	3.1.0	Sown pastures and other grass (modified grassland)
70031000	Field parcel map	Brak, slåning	Fallow for mowing	3.1.0	Sown pastures and other grass (modified grassland)
70031100	Field parcel map	Skovrejsning på tidl. landbrugsjord 1	Afforestation on former ag-ricultural land	4.0.0	Forest undefined
70031600	Field parcel map	20-årig Udtagning med fastholdelse, ej landbrugsareal	20-year Set-aside with re-tention, non-agricultural land	3.1.0	Sown pastures and other grass (modified grassland)
70031700	Field parcel map	Vådområder med udtagning	Wetland for set-aside	3.1.0	Sown pastures and other grass (modified grassland)
70031800	Field parcel map	MVJ ej udtagning, ej landbrugsareal	Agri-envrionmental scheme, not set-aside, not agricultural land	3.1.0	Sown pastures and other grass (modified grassland)

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
70031900	Field parcel map	MVJ-tilsagn, Udtagning, ej landbrugsareal	Agri-envrionmental scheme, set-aside, not agricultural land	3.1.0	Sown pastures and other grass (modified grassland)
70032100	Field parcel map	Miljøtiltag, ej landbrugsarealer	Environmental initiative, not agricultural land	3.1.0	Sown pastures and other grass (modified grassland)
70032200	Field parcel map	Minivådområder, projekttilsagn	Mini wetland, approved	3.1.0	Sown pastures and other grass (modified grassland)
70032400	Field parcel map	Blomsterbrak	Flower fallow	2.1.8	Fallow land (Q0000)
70032700	Field parcel map	Markbræmme, på omdrift, slåning	Field strip, on rotation, mowing	2.1.8	Fallow land (Q0000)
70032800	Field parcel map	Markbræmme, på omdrift, med blomsterblanding	Field strip, on rotation, with flower mix	2.1.8	Fallow land (Q0000)
70034200	Field parcel map	Bestøverbrak	Pollinator fallow	2.1.8	Fallow land (Q0000)
70034500	Field parcel map	Brak langs vandløb og søer, slåning (alternativ til efterafgrøder)	Fallow along water courses and lakes, mowing (altenative to catch crops)	2.1.8	Fallow land (Q0000)
70036100	Field parcel map	Ikke støtteberettiget landbrugsareal	Agricultural land, not eligible for subsidies	3.1.0	Sown pastures and other grass (modified grassland)
70040000	Field parcel map	Asieagurker	Gherkins	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70040100	Field parcel map	Asparges	Asparagus	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70040200	Field parcel map	Bladselleri	Celery	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70040300	Field parcel map	Blomkål	Cauliflower	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70040400	Field parcel map	Broccoli	Broccoli	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70040500	Field parcel map	Courgette, squash	Courgette, squash	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70040600	Field parcel map	Grønkål	Borecole	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70040700	Field parcel map	Gulerod	Carrot	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70040800	Field parcel map	Hvidkål	Cabbage	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70040900	Field parcel map	Kinakål	Chinese cabbage	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70041000	Field parcel map	Knoldselleri	Celeriac, turnip-rooted celery	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70041100	Field parcel map	Løg	Onion	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70041200	Field parcel map	Pastinak	Parsnip	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70041300	Field parcel map	Rodpersille	Hamburg parsley	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70041500	Field parcel map	Porre	Leek	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70041600	Field parcel map	Rosenkål	Sprouts	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
70041700	Field parcel map	Rødbede	Beetroot	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70041800	Field parcel map	Rødkål	Red cabbage	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70042000	Field parcel map	Salat (friland)	Salad, outdoors	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70042100	Field parcel map	Savoykål	Savoy cabbage	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70042200	Field parcel map	Spinat	Spinach	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70042300	Field parcel map	Sukkermajs	Sweet corn	2.1.2	Maize (C1500 + G3000)
70042400	Field parcel map	Ærter, konsum	Peas for consumption	2.1.3	Dry pulses and protein crops (P0000)
70042500	Field parcel map	Sukkermajs med græsudlæg	Sweet corn, sugar corn, with grass cover	2.1.2	Maize (C1500 + G3000)
70042600	Field parcel map	Bønner, andre	Beans, other	2.1.3	Dry pulses and protein crops (P0000)
70042700	Field parcel map	Babyleaves	Babyleaves	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70042800	Field parcel map	Spidskål	Cabbage, pointed cabbage	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70042900	Field parcel map	Jordskokker, konsum	Jerusalem artichoke for consumption	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70043000	Field parcel map	Bladpersille	Leaf parsley	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70043100	Field parcel map	Purløg	Chive	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70043200	Field parcel map	Krydderurter (undtagen persille og purløg)	Herb, aromatic plant, with subsidy	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70043400	Field parcel map	Grøntsager, andre (friland)	Vegetable, other, outdoors	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70044800	Field parcel map	Medicinpl., en- og toårige	Medicine plant, annual and biennial	2.1.6	Industrial crops including annual bioenergy crops (I0000)
70044900	Field parcel map	Medicinpl., stauder	Medicine plant, perennial	2.1.6	Industrial crops including annual bioenergy crops (I0000)
70045000	Field parcel map	Grøntsager, blandinger	Vegetable, other	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70048200	Field parcel map	Skovlandbrug med permanent græs	Agroforestry with permanent grass	2.4.2	Other agro-forestry area
70048300	Field parcel map	Skovlandbrug med græs i omdrift	Agroforestry with rotational grass	2.4.2	Other agro-forestry area
70048400	Field parcel map	Skovlandbrug med omdriftsafgrøder	Agroforestry with rotational crops	2.4.2	Other agro-forestry area
70048500	Field parcel map	Skovlandbrug med permanente afgrøder	Agroforestry with permanent crops	2.4.2	Other agro-forestry area
70048600	Field parcel map	Hønsegård uden plantedække	Chicken yard without vegetation cover	2.6.0	Other farmland
70048700	Field parcel map	Skovlandbrug, ikke støtteberettiget	Agroforestry, not eligible for subsidies	2.4.2	Other agro-forestry area
70048800	Field parcel map	Hønsegård, permanent græs	Chicken yard, permanent grass	3.1.0	Sown pastures and other grass (modified grassland)
70048900	Field parcel map	Havtorn	Buckthorn	2.3.7	Nuts (F4000)

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
70049000	Field parcel map	Hassel, træ (Corylus avellana)	Hazel, tree (Corylus avellana)	2.3.7	Nuts (F4000)
70049100	Field parcel map	Storfrugtet tranebær	Large-fruited cranberry	2.3.5	Berries excluding strawberries (F3000)
70049300	Field parcel map	Surbær	Chokeberry	2.3.5	Berries excluding strawberries (F3000)
70049400	Field parcel map	Japan kvæde	Japanese quince	2.3.3	Pome fruits
70049600	Field parcel map	Medicinpl., vedplanter	Medicine plants woody	2.3.8	Hazelnut
70049700	Field parcel map	Planteskolekulturer, vedplanter, til videre-salg	Nursery, woody plants for sale	2.6.1	Nurseries
70049900	Field parcel map	Lukket system 3, vedplanter	Closed system 3, woody plants	2.6.0	Other farmland
70050100	Field parcel map	Stauder	Herbaceous perennial	2.1.7	Flowers and ornamental plants (N0000)
70050200	Field parcel map	Blomsterløg	Bulb	2.1.7	Flowers and ornamental plants (N0000)
70050300	Field parcel map	En- og to-årige plan-ter	Annual and biennial plants	2.1.10	Other crops (further categories may be added by Member States, de-pending upon nationally important crop types).
70050400	Field parcel map	Solbær, stiklinge-opformering	Blackcurrant, cuttings	2.3.5	Berries excluding strawberries (F3000)
70050600	Field parcel map	Stikkelsbær, sti-klingeopformering	Gooseberry, cuttings	2.3.5	Berries excluding strawberries (F3000)
70050900	Field parcel map	Trækvæde	Quince	2.3.3	Pome fruits
70051200	Field parcel map	Rabarber	Rhubarb	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70051300	Field parcel map	Jordbær	Strawberry	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70051400	Field parcel map	Solbær	Blackcurrant	2.3.5	Berries excluding strawberries (F3000)
70051500	Field parcel map	Ribs	Redcurrant	2.3.5	Berries excluding strawberries (F3000)
70051600	Field parcel map	Stikkelsbær	Gooseberry	2.3.5	Berries excluding strawberries (F3000)
70051700	Field parcel map	Brombær	Blackberry	2.3.5	Berries excluding strawberries (F3000)
70051800	Field parcel map	Hindbær	Raspberry	2.3.5	Berries excluding strawberries (F3000)
70051900	Field parcel map	Blåbær	Blueberry	2.3.5	Berries excluding strawberries (F3000)
70052000	Field parcel map	Surkirsebær uden undervækst af græs	Cherry without under-growth	2.3.4	Stone fruits (F1200)
70052100	Field parcel map	Surkirsebær med un-dervækst af græs	Cherry with undergrowth	2.3.4	Stone fruits (F1200)
70052200	Field parcel map	Blomme uden under-vækst af græs	Plum without undergrowth	2.3.4	Stone fruits (F1200)
70052300	Field parcel map	Blomme med under-vækst af græs	Plum with undergrowth	2.3.4	Stone fruits (F1200)
70052400	Field parcel map	Sødkirsebær uden undervækst af græs	Sweet cherry without un-dergrowth	2.3.4	Stone fruits (F1200)
70052500	Field parcel map	Sødkirsebær med undervækst af græs	Sweet cherry with under-growth	2.3.4	Stone fruits (F1200)
70052600	Field parcel map	Hyld	Elder	2.3.5	Berries excluding strawberries (F3000)
70052700	Field parcel map	Hassel (Corylus maxima)	Hazel (Corylus maxima)	2.3.7	Nuts (F4000)
70052800	Field parcel map	Æbler	Apple	2.3.3	Pome fruits
70052900	Field parcel map	Pærer	Pear	2.3.3	Pome fruits

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
70053000	Field parcel map	Vindrue	Grape	2.3.2	Grapes (W1000)
70053100	Field parcel map	Anden træfrugt	Other tree fruit	2.3.3	Pome fruits
70053200	Field parcel map	Anden buskfrugt	Other bush fruit	2.3.8	Hazelnut
70053300	Field parcel map	Rønnebær	Rowanberry	2.3.3	Pome fruits
70053400	Field parcel map	Hyben	Hip	2.3.3	Pome fruits
70053500	Field parcel map	Bærmispel	Berry medlar	2.3.3	Pome fruits
70053600	Field parcel map	Spisedruer	Grapes for consumption	2.3.2	Grapes (W1000)
70053700	Field parcel map	Valnød (almindelig)	Walnut	2.3.7	Nuts (F4000)
70053800	Field parcel map	Kastanje (ægte)	Chestnut	2.3.9	Chestnut
70053900	Field parcel map	Blandet frugt	Mixed fruits	2.3.8	Hazelnut
70054000	Field parcel map	Tomater	Tomatoes	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70054100	Field parcel map	Agurker	Cucumber	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70054200	Field parcel map	Salat (drivhus)	Lettuce (greenhouse)	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70054300	Field parcel map	Grøntsager, andre (drivhus)	Other vegetables	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70054400	Field parcel map	Snitblomster og snitgrønt	Cut flower/sprigs	2.1.7	Flowers and ornamental plants (N0000)
70054500	Field parcel map	Potteplanter	Pot plants	2.1.7	Flowers and ornamental plants (N0000)
70054700	Field parcel map	Planteskolekulturer, stauder	Nursery, perennial/woody plants	2.1.7	Flowers and ornamental plants (N0000)
70054800	Field parcel map	Småplanter, en-årige	Minor plants, annual	2.1.10	Other crops (further categories may be added by Member States, depending upon nationally important crop types).
70055100	Field parcel map	Moskusgræskar	Musk pumpkin	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70055200	Field parcel map	Mandelgræskar	Almond pumpkin	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70055300	Field parcel map	Centnergræskar	Bitter pumpkin	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70056300	Field parcel map	Svampe	Mushroom	2.3.8	Hazelnut
70056400	Field parcel map	Containerplads	Container	1.0.2	Commercial and industrial area
70056500	Field parcel map	Skovrejsning, direktivimplementerende uden tilsagn ved Landbrugsstyrelsen	Afforestation, directive-implementing without commitment by the Danish Agricultural Agency	4.0.0	Forest undefined
70056600	Field parcel map	Klimaskovrejsning, national ordning ej Landbrugsstyrelsen	Climate afforestation, national scheme, not the Danish Agricultural Agency	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
70056700	Field parcel map	Klima-lavbundsprojekt, national ordning ej Landbrugsstyrelsen	Climate lowland project, national scheme, not the Danish Agricultural Agency	3.1.0	Sown pastures and other grass (modified grassland)
70057000	Field parcel map	Humle	Hop	2.3.8	Hazelnut
70057500	Field parcel map	Skovrejsning (privat) kulstofbinding og grundvandsbeskyttelse	Afforestation (private) - carbon sequestration and groundwater protection	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations

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70057600	Field parcel map	skovrejsning (statslig) - forbedring af vandmiljø og grundvandsbeskyttelse	Afforestation (state) - improvement of aquatic environment and groundwater protection	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
70057700	Field parcel map	Skov med biodiversitetsformål	Forest for biodiversity protection	4.0.0	Forest undefined
70057800	Field parcel map	Skovrejsning (privat) forbedring af vandmiljø og grundvandsbeskyttelse	Afforestation- improvement of aquatic environment and groundwater protection	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
70057900	Field parcel map	Tagetes, sygdomssanerende plante	Tagetes	2.1.6	Industrial crops including annual bioenergy crops (I0000)
70058000	Field parcel map	Anden skovdrift	Other forestry	4.0.0	Forest undefined
70058100	Field parcel map	Skovdrift med fjernelse af ved	Forestry with wood removal	4.0.0	Forest undefined
70058200	Field parcel map	Pyntegrønt, økologisk jordbrug	Decorative greenery, organic	2.6.2	Christmas tree plantations
70058300	Field parcel map	Juletræer og pyntegrønt	Christmas tree, decorative greenery	2.6.2	Christmas tree plantations
70058500	Field parcel map	Skovrejsning i projektområde, som ikke er omfattet af tilsagn	Afforestation inside project area	4.1.7	Other broadleaved deciduous forest, excluding highly modified plantations
70058600	Field parcel map	Offentlig skovrejsning	Public afforestation	4.0.0	Forest undefined
70058700	Field parcel map	Skovrejsning på tidl. landbrugsjord 3	Afforestation on former agricultural land	4.0.0	Forest undefined
70058900	Field parcel map	Bæredygtig skovdrift	Sustainable afforestation	4.0.0	Forest undefined
70059000	Field parcel map	Bæredygtig skovdrift i Natura 2000-område	Sustainable afforestation within Natura2000 designation	4.0.0	Forest undefined
70059100	Field parcel map	Lavskov	Coppice forest	2.6.3	Perennial bioenergy crops
70059200	Field parcel map	Pil	Willow	2.6.3	Perennial bioenergy crops
70059300	Field parcel map	Poppel	Poplar	2.6.3	Perennial bioenergy crops
70059400	Field parcel map	El	Alder	2.6.3	Perennial bioenergy crops
70059600	Field parcel map	Elefantgræs	Elephant grass	2.1.7	Flowers and ornamental plants (N0000)
70059700	Field parcel map	Rørgræs	Reed grass	2.3.8	Hazelnut
70065000	Field parcel map	Chrysanthemum Garland, frø	Chrysanthemum Garland	2.1.7	Flowers and ornamental plants (N0000)
70065100	Field parcel map	Dildfrø	Dill seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70065200	Field parcel map	Kinesisk kålfrø	Chinese kale seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70065300	Field parcel map	Karsefrø	Cress seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70065400	Field parcel map	Rucolafrø	Rocket seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70065500	Field parcel map	Olieræddike til frø, radisefrø	Oil radish for seed, radish seed	2.1.10	Other crops (further categories may be added by Member States, depending upon nationally important crop types).
70065600	Field parcel map	Bladbedefrø, rødbedefrø	Leaf beet seed, beetroot seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
70065700	Field parcel map	Grønkålfrø	Kale seeds	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70065800	Field parcel map	Gulerodsfrø	Carrot seeds	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70065900	Field parcel map	Kålfrø (hvid- og rødkål)	Cabbage seed, red and white cabbage seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70066000	Field parcel map	Persillefrø	Parsley seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70066200	Field parcel map	Majroefrø	Early garden turnip seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70066300	Field parcel map	Pastinakfrø	Parsnip seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70066400	Field parcel map	Skorzonerrod/skorzonerrodfrø	Scorzone root, scorzone root seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70066600	Field parcel map	Purløgsfrø	Chive seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70066700	Field parcel map	Timianfrø	Thyme seed	2.1.5	Vegetables (including melons) and strawberries (V0000_S0000)
70066800	Field parcel map	Blomsterfrø	Flower seed	2.1.7	Flowers and ornamental plants (N0000)
70070100	Field parcel map	Grønkorn af vårbyg	Green grain from spring barley	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70070200	Field parcel map	Grønkorn af vårhvede	Green grain from spring wheat	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70070300	Field parcel map	Grønkorn af vårhavre	Green grain from spring oat	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70070400	Field parcel map	Grønkorn af vårrug	Green grain from spring rye	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70070600	Field parcel map	Grønkorn af vinterbyg	Green grain from winter barley	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70070700	Field parcel map	Grønkorn af vinterhvede	Green grain from winter wheat	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70070800	Field parcel map	Grønkorn af vinterhavre	Green grain from winter oat	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70070900	Field parcel map	Grønkorn af vinterrug	Green grain from winter rye	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70071000	Field parcel map	Grønkorn af hybridrug	Green grain from hybrid seed	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70071100	Field parcel map	Grønkorn af vintertriticale	Green grain from wintertriticale	2.1.1	Cereals excluding rice (C1000) excluding maize (C1500)
70090000	Field parcel map	Øvrige afgrøder	Other cop	2.1.10	Other crops (further categories may be added by Member States, depending upon nationally important crop types).
70090300	Field parcel map	Lysåbne arealer i skov	Open nature in protected forest	3.1.0	Sown pastures and other grass (modified grassland)
70090700	Field parcel map	Naturarealer, økologisk jordbrug	Organic nature area	3.1.0	Sown pastures and other grass (modified grassland)
70092100	Field parcel map	Bar jord	Bare soil	2.1.8	Fallow land (Q0000)
80000100	Cadastre map	Matrikel, vej	Cadastre, road	1.3.1	Road and rail networks and associated land
80000200	Cadastre map	Matrikel, jernbane	Cadastre, rail	1.3.1	Road and rail networks and associated land

Basemap object code	Source	Basemap object code, Danish	Basemap object code, English	EU code level 3	EU name level 3
80000300	Cadastre map	Matrikel, strandbeskyttelse	Cadastre, beach protection	11.2.2	Beaches and sandy shores
90423000	Corine Land Cover	Mudder og sandflade blottet ved ebbe	Intertidal flats	10.3.1	Intertidal flats (e.g., Wadden Sea)
90521000	Corine Land Cover	Kystlaguner og strandsøer	Coastal lagoons	10.1.1	Coastal lagoons
91000100	Seabed Ecos	Dynd og sandet dynd	Mud and sandy mud	12.5.1	Subtidal sand beds and mud plains
91000200	Seabed Ecos	Dyndet sand	Muddy sand	12.5.1	Subtidal sand beds and mud plains
91000300	Seabed Ecos	Grus og groft sand	Gravel and coarse sand	12.5.1	Subtidal sand beds and mud plains
91000400	Seabed Ecos	Kvartært ler og silt	Quaternary clay and silt	12.5.1	Subtidal sand beds and mud plains
91000500	Seabed Ecos	Moræne/diamict	Till/diamicton	12.5.1	Subtidal sand beds and mud plains
91000600	Seabed Ecos	Sand	Sand	12.5.1	Subtidal sand beds and mud plains
91000700	Seabed Ecos	Sedimentært grundfjeld	Sedimentary rock	12.6.1	Subtidal rocky substrates

BASEMAP05

Documentation of the data and method for elaboration of a land use and land cover map for Denmark

As a response to a lack of an up-to-date nationwide map of land use and land cover for Denmark, Aarhus University and University of Copenhagen produced the first version of Basemap in 2011. The novelty of Basemap was that it combined existing thematic geographic information into one land-use/land-cover map for Denmark. Furthermore, the map was dynamic in the sense that spatial modelling and input data could be adapted to different purposes and research needs. The first version of Basemap has been widely applied in research and advisory projects by research institutions, public agencies and private companies. In 2016 and in 2019, Statistics Denmark financed an updated version of Basemap for the years 2016 (Basemap02), 2018 (Basemap03) and 2021 (Basmap04). These updated versions were different in the sense that more of the original input information is included in the final map. In 2025, Statistics Denmark financed a fifth version of Basemap. Basemap05 is based on spatial information for the year 2024 and largely follows the methodology of the previous versions, though with minor changes and additions. Furthermore, the aggregated version of Basemap05 now follows EUROSTAT's ecosystem typology. To enable comparison over time Basemap05 also includes updated versions for the years 2011, 2018 and 2021.

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