

BASEMAP 04

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

Technical Report from DCE - Danish Centre for Environment and Energy

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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 the 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 2019, Statistics Denmark financed an updated version of Basemap for the years 2016 (Basemap02) and 2018 (Basemap03). These updated versions were different in the sense that more of the original input information was included in the final map. In 2022, Statistics Denmark financed the fourth version of Basemap. Basemap04 is based on spatial information for the year 2021 and largely follows the methodology of the previous versions, though with minor changes and additions. Furthermore, in order to enable comparison over time, Basemap04 also includes updated versions for the years 2011,

2016, and 2018.

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Contents

Pre	Preface		
Sai	mmen	fatning	6
Sui	mmary	,	7
1	Introduction		8
2	Appl	ied 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	Natura 2000 habitat types	10
	2.6	Field parcel map	10
	2.7	Field block map	10
	2.8	Cadastre map	10
	2.9	Copernicus leaf type	10
3	Meth	od	11
	3.1	Assigning object codes	11
	3.2	Conversion from vector to raster	12
	3.3	Overlay	13
	3.4	Elimination of unclassified cells	16
	3.5	Elimination of slivers	18
	3.6	Agricultural census data	20
	3.7	Final overlay	24
	3.8	Aggregation of land use/land cover categories	24
	3.9	Tree cover	27
	3.10	Leaf type	28
	3.11	Solar panels	31
	3.12	Basemap for 2011, 2016 and 2018	32
4	Resu	lts	35
	4.1	Aggregated land use/land cover categories	35
	4.2	Land use and land cover changes	37
5	Discu	ussion and conclusion	48
6	Refe	rences and data sources	49
Аp	Appendix 51		

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 Basemap04. Basemap04 is based on publicly available data containing spatially explicit information about land use and land cover. Statistics Denmark uses Basemap04 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 Basemap04.

By the end of 2022, Basemap04 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 land cover.

For elaborating Basemap04, an advisory group, including representatives from different Danish universities and public authorities was compiled. During two meetings in 2022, members of the advisory group commented on and made suggestions for the choice of data and methods applied.

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 landsdækkede 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 og i 2019 finansierede Danmarks Statistik opdaterede versioner af Basemap for årene 2016 (Levin et al., 2017) og 2018 (Levin, 2019). 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 2022 finansierede Danmarks Statistik en fjerde version af Basemap. Basemap04, som er baseret på geografisk information for året 2021, følger metoden fra de tidligere versioner med enkelte tilpasninger. For at muliggøre sammenligning over tid, omfatter Basemap04 også opdaterede versioner for 2011, 2016 og 2018, som er konsistente med 2021 kortet med hensyn til anvendte data og metoder.

Summary

In 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 2019, Statistics Denmark financed updated versions of Basemap for the years 2016 (Levin et al., 2017) and 2018 (Levin, 2019). These updated versions were 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 2022, Statistics Denmark financed a fourth version of Basemap. Basemap04 is based on spatial information for the year 2021 and follows the methodology of the previous version with minor adjustments. Furthermore, in order to enable comparison over time Basemap04 also includes updated versions for the years 2011, 2016 and 2018, which in terms of applied data and methodologies are consistent with Basemap04 for 2021.

1 Introduction

This report contains the technical documentation of Basemap04. 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, the 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 Basemap04 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 land use and land cover, see Jepsen and Levin (2013).
- Land use/land cover (LULC) categories refer to a specific categorisation of LULC. For Basemap04, 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 data collections, 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 Basemap04 are presented. The applied datasets and object types, which are included in Basemap04, 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 air-photo interpretation. The Agency for Data Supply and Efficiency (SDFE) and Danish municipalities keep the topographical database up to date (GeoDanmark, 2021). Although data are updated continuously, present datasets can contain information up to four years old. From the topographical database, 75 object types are included in Basemap04. The version from December 2021 is applied. (SDFE, 2021a).

2.2 Management plans for state forests

Approximately 4.5 % of the Danish terrestrial area is composed of state forests 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, 77 object types are included in Basemap04. The version from December 2021 is applied (Danish Nature Agency, 2021).

2.3 Management plans for defence holdings

Approximately 0.6 % of the Danish terrestrial area comprises 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, 63 object types are included in Basemap04. The version from January 2022 is applied (Danish Defence, 2022).

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 grassland, coastal meadows, heather, bogs/mires, and lakes/ponds. Habitats are registered if they fulfill 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 2021 is applied (Arealinformation, 2021a).

2.5 Natura 2000 habitat types

This dataset is mapped by the Danish Environmental Agency (MST) and covers all habitat types included in the EU-habitat directive (Directive 1992/43/EC) and are located within Natura 2000 designated areas, which comprise Special Areas of conservation (SAC) and Special Protection areas (SPA), which comprise approximately 8.3 % of the Danish land area. The map is based on in-situ observations combined with air-photo interpretation. Fifty habitat types are included in Basemap04. The version from December 2018 is applied (Arealinformation, 2021b).

2.6 Field parcel map

The agricultural information applied to Basemap is based on data from the Integrated Administration and Control System (IACS) derived from the Danish agricultural register for 2021. The register is updated annually and, since 1998, Danish farmers have been obliged to provide detailed information on the area and the 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 Basemap04 the field parcel map from May 2021 is applied (Danish Agricultural Agency, 2021a). The map contains around 580,000 individual field parcels and 304 land use categories.

2.7 Field block map

The field block map is used for the 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. For Basemap04, the field block map from May 2021 is applied (Danish Agricultural Agency, 2021b). The map contains around 458,000 individual field blocks.

2.8 Cadastre map

The cadastre map is administered by the Danish Geodata Agency and is supplied by the Agency for Data Supply and Efficiency (SDFE). 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 2021 (SDFE, 2021b), 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 Copernicus 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 Basemap04, the 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 2018 (Copernicus Land Monitoring Service 2021).

3 Method

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

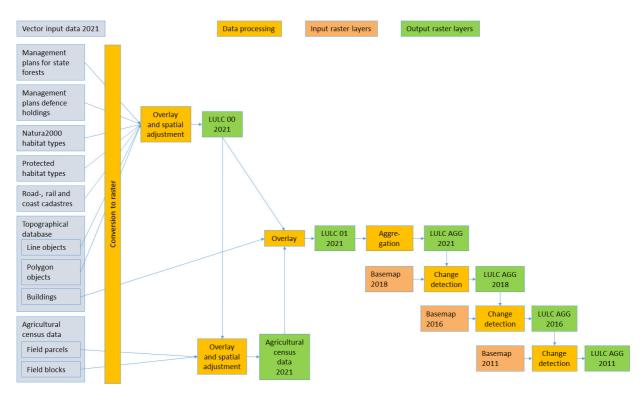


Figure 3.1 Illustration of data processing. Vector input data (blue boxes) are converted to raster format and subsequently processed (yellow boxes), resulting in seven final output raster layers (green boxes).

3.1 Assigning object codes

In the original input datasets, object IDs are diverse and range from text strings to numbers. In order 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 subtypes, the last two digits refer to the subtype. 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 subtype "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, Basemap04 contains 867 unique object codes and names. Original LULC information, assigned object codes and object names appear in the table in the appendix.

For layers from agricultural census data, the unique object ID for each object is applied. E.g., for the field parcel layer, the object ID for each field parcel remains 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

All vector input data are converted to raster format with a cell size of 10x10 meters. Figure 3.2 illustrates conversion to raster for an extract of the field parcel map. The conversion from vector to raster format entails 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 vector data processing, raster format processing 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 at 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 at the top of the hierarchy followed by lakes and streams. The next object types in the hierarchy originate from the management plans for state forests and management plans for defence holding, followed by Natura2000 habitat types and the registration of protected habitat types. Other object types than road infrastructure and lakes/stream, which originate from the topographical database, are placed lower in the hierarchy. Object types originating from the cadastre map 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 type code	Object type name	Hierarchy
Topographical database	50997001-50997003**	Runway	1
Topographical database	50996311-50996314**	Traffic road	2
Topographical database	50996315-50996320**	Local road	3
Topographical database	50996321-50996325**	Other road	4
Topographical database	50996401	Railway, visible	5
Topographical database	50994201-50994202**	Lake	6
Registration of protected habitat types	30000600	Lake	7
Topographical database	50990201-50990206**	Basin	8
Topographical database	50996502	Stream, >= 12 m width	9
Topographical database	50996501	Stream, 2.5 - 12 m width	10
Topographical database	50995701	Edge of stream >= 12 m width	11
Management plans for state forests	20110200-20710200*	_*	12
Management plans for defence holdings	10110200-10710200*	* _	13
Natura2000 habitat types	40121000-40999900*	* _	14
Registration of protected habitat types	30000100-30000500*	* _	15
Topographical database	50991700	Forest	16
Topographical database	50991800	Heather	17
Topographical database	50992100	Sand/dune	18
Topographical database	50991900	Wetland	19
Topographical database	50990101-50990118**	Technical area	20
Topographical database	50995300	Business	21
Topographical database	50997800	Burial ground	22
Topographical database	50311900	Recreation	23
Topographical database	50992200	Resource extraction	24
Topographical database	50995200	City centre	25
Topographical database	50995500	High built up	26
Topographical database	50995400	Low built up	27
Topographical database	50994400	Harbour	28
Topographical database	50700000	Sea	29
Topographical database	50600000	Land	30
Cadastre map	80000100	Cadastre, road	31
Cadastre map	80000200	Cadastre, rail	32
Cadastre map	80000300	Cadastre, beach protection	33

^{*}Object types contained in management plans for state forests, in management plans for defence holdings, in Natura2000 habitat types and in the registration of protected habitats 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, traffic road, local road, other road, lake, basin and technical area contain several subtypes.

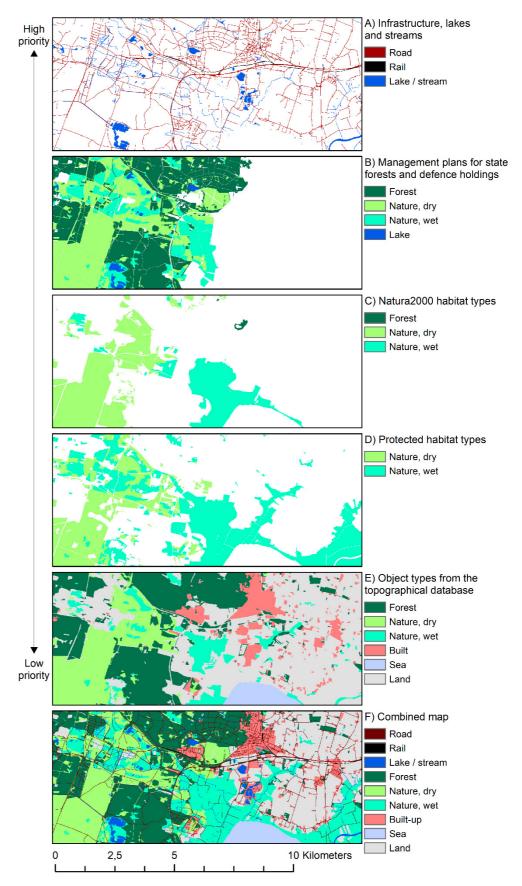


Figure 3.3 Illustration of applied method for overlay of input layers. Input layers are overlaid and object types from layers placed in the top of the hierarchy exclude object types placed lower in the hierarchy (A-E), resulting in the final combined map (F).

3.4 Elimination of unclassified cells

Roughly 26,000 km² or 60 % of the terrestrial area in the combined layer contains cells, which are only classified as land, 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 $3,000 \; \mathrm{km^2}$ or roughly 1 % of the unclassified area are characterised by areas with a width less than or equal to 20 meters (two 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.

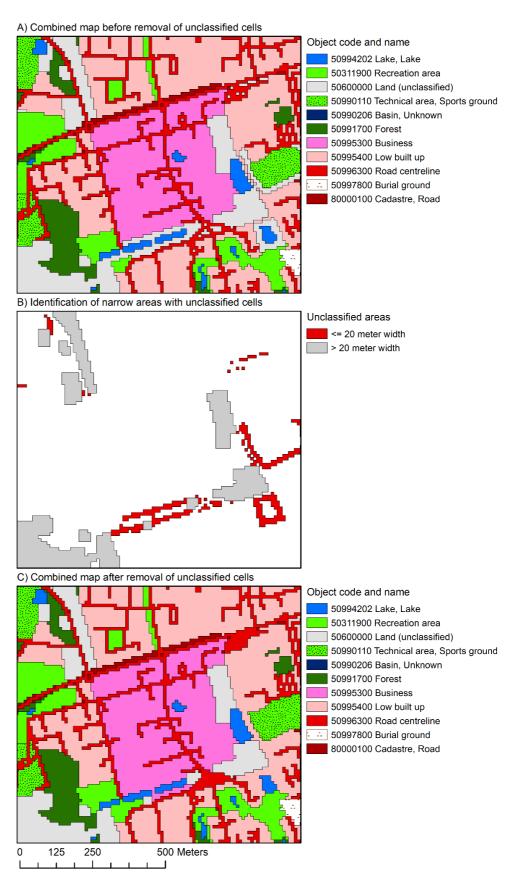


Figure 3.4 Applied method for elimination of narrow areas with unclassified cells. From the combined map (A), unclassified cells are extracted and areas with a width equal to or less than 20 meters are identified (B). These narrow unclassified areas are merged with adjacent object types (C). Unclassified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

3.5 Elimination of slivers

As a consequence 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. The same methodology is applied to two other cases: 1) Slivers between the wetland layer from the topographical database and wet habitat object types originating from the map of Natura 2000 habitats, from the management plans of state forests and defence holding or from the registration of protected habitats or. 2) Slivers between the heather and sand/dune layer from the topographical database and dry habitat object types originating from the map of Natura 2000 habitats, from the management plans of state forests and defence holding, or from the map of protected habitats. The final output layer of the combined and cleaned line and polygon object types is named LULC 00 2021.

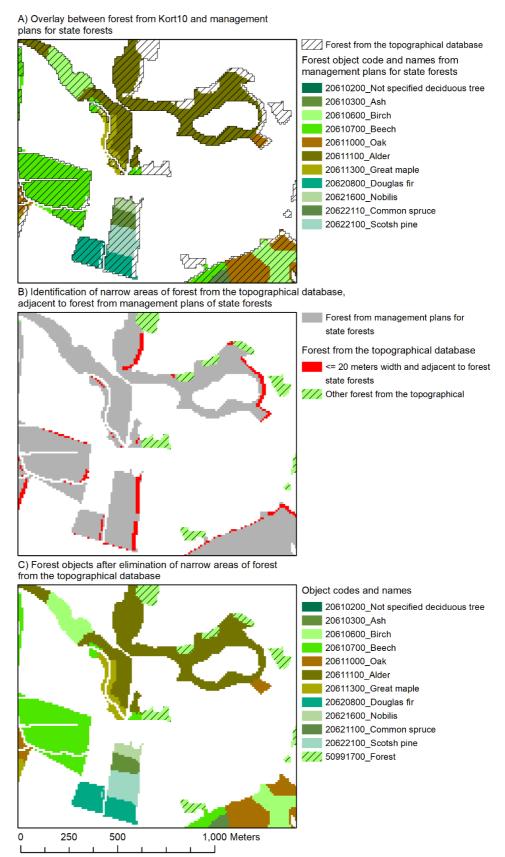


Figure 3.5 Applied method for elimination of narrow overlaps between forest from the topographical database and forest from management plans for state forests. Forest from the topographical database and from management plans for state forests is overlaid (A). Areas of forest from the topographical database, 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

In order 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 information from both the agricultural data and from the habitat data.

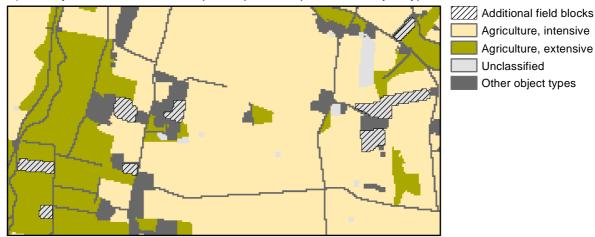
3.6.1 Overlay with other input data

In the first step, the rasterised field parcel layer is overlaid with the LULC 00 2021 layer. Roads, railways, streams, lakes and basins contained in the LULC 00 2021 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.

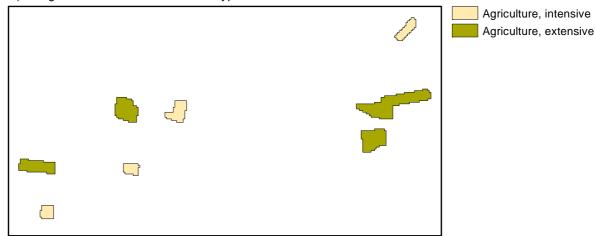
3.6.2 Embedment of field blocks

After overlaying the field parcel layer and the LULC 00 2021 layer, about 1,100 km² or 2.7 % of the terrestrial area does not contain any LULC information and are thus considered unclassified. Around 500 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 precisely to 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 2021 (Danish Agricultural Agency, 2021c) 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.

A) Overlay between field block map, field parcel map and other object types



B) Assignment of dominant land use type to field blocks



C) Final map with embedded field blocks

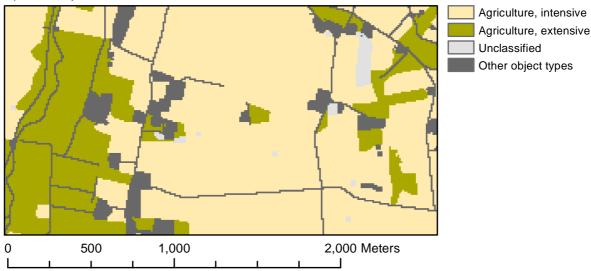
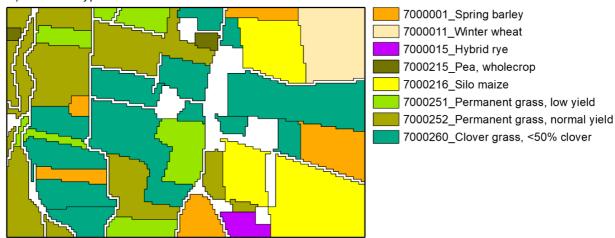


Figure 3.6 Applied method for embedment of field blocks. The field block map, the field parcels map and other types (from LULC 00) are overlaid and additional field blocks within yet unclassified areas are selected (A). Based on agricultural registers, the dominant land use type is assigned to each field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

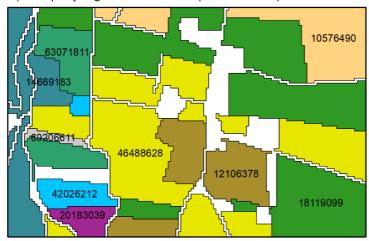
3.6.3 Final layer for agricultural census data

The final layer named the Agricultural Census Data 2021 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 company registration number (CVR-number), and the field block number (Figure 3.7).

A) Land use type



B) Company registration number (CVR-number)



C) Field block number

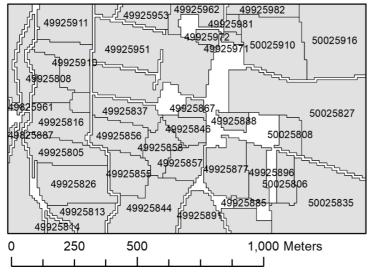


Figure 3.7 Illustration of aggregation of agricultural census data into land use categories (A), company registration number (B) and field block number (C).

3.7 Final overlay

In the next step, the LULC 00 2021 layer is overlaid with the Agricultural Census Data 2021 layer and the building layer from the topographical database. The resulting layer is called LULC 01 2021 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 2021 layer are categorised as not classified. Where object codes from the Agricultural census layer do not exclude object codes from the LULC 00 2021 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 in a technical area or a low built-up area, 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 2021 layer contains 1,610 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 the focus is on agricultural land use, detailed information on agricultural land use categories (crop types) is relevant. Alternatively, if the focus is on urban land use, detailed information on urban land use categories is relevant.

In this report, an aggregation of object types into 34 broad LULC categories, which are relevant to the national accounting, elaborated by Statistics Denmark, is applied (see appendix for the applied aggregation of object types). Table 3.2 contains a list and description of these aggregated LULC categories. Figure 3.8 illustrates the applied method for aggregation of LULC categories. The aggregated LULC map for 2021 is named LU_AGG 2021.

Table 3.2 Aggregated land use/land cover categories.

Code	Name	Description
110000	Building	Buildings, which do not overlap with build-up categories
121000	Low built up	Areas with buildings up to two storeys
121110	Low built up; Building	Buildings located within low built-up areas
122000	High built up	Areas with buildings with more than two storeys
122110	High built up; Building	Buildings located within high built-up areas
123000	City centre	Areas with contiguous built-up areas in city centres
123110	City centre; Building	Buildings located within city centre
124000	Other built up	Other built-up areas, primarily technical areas from the topographical database
124110	Other built up; Building	Buildings located within other built-up areas
125000	Industry/business	Area with commercial or industrial use, such as industry and shopping malls
125110	Industry/business; Building	Buildings located within industry/business areas
126000	Airport/runway	Airports and airfields
126110	Airport/runway; Building	Buildings located within Airport/runway areas
130000	Recreation area/sports ground	Recreational areas and sport grounds. Includes allotment gardens
130110	Recreation area/sports ground; Building	Buildings located within recreational areas/sport grounds
141000	Road, paved	Paved roads
142000	Road, not paved	Not paved roads
150000	Railway	Railways and other areas related to railways
150110	Railway; Building	Buildings located within areas related to railways
160000	Resource extraction	Gravel pits
211000	Agriculture, intensive, temporary crops	Annual crops, including grassland in rotation
212000	Agriculture, intensive, permanent crops	Perennial crops, including Christmas trees, energy forest, orchards and nurseries/plantations
220000	Agriculture, extensive	Extensive land use, such as permanent grassland
230000	Agriculture, not classified	Field parcels or field blocks from the agricultural census data, which do not contain land use information
311000	Forest	Forested land
312000	Forest, wet	Forested land on wet ground
321000	Nature, dry	Habitat types on dry ground, which are not categorised as forest
321220	Nature, dry; Agriculture, extensive	Dry nature, which in the agricultural census data is categorised as extensive agriculture
322000	Nature, wet	Habitat types on wet ground, which are not categorised as forest
322220	Nature, wet; Agriculture, extensive	Wet nature, which in the agricultural census data is categorised as extensive agriculture
411000	Lake	Surface covered with freshwater, which is not part of a watercourse
412000	Stream	Surface covered with freshwater, which is part of a watercourse
420000	Sea	Surface covered with salt- or brackish water
800000	Unmapped	Area, where none of the applied input data contain land use/land cover information

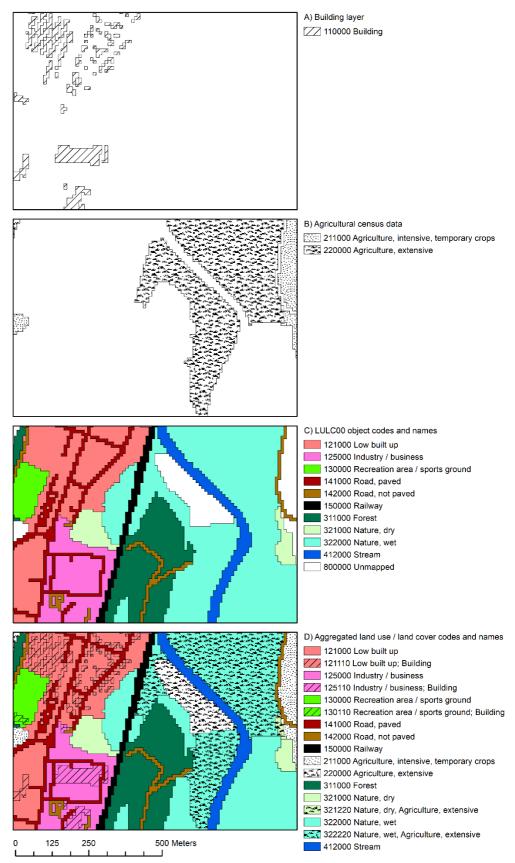


Figure 3.8 Applied method for aggregation land use/land cover categories. The building layer (A), Agricultural census data (B) and the LULC 00 layer are overlaid (C). Buildings, overlapping with build-up objects types are assigned a combined build up/building type. Parcels from the agricultural census data, containing extensive land use and overlapping with nature in the LULC 00 layer are assigned a combined nature/agriculture type (D).

3.9 Tree cover

A concern of the second version of Basemap was that the total area of forest contained in the map was considerably lower than reported in other official statistics, such as the Danish national forest inventory (NFI) (Nord-Larsen et al., 2019). This difference is partly a result of the applied methodology, where LULC types, such as dry and wet nature, rule out forest, which may be contained in other layers. Furthermore, in Basemap, Christmas trees, orchards, nurseries, plantations, and energy forests, such as willow and poplar plantations, are classified as temporary crops, while in the Danish NFI, these are considered forests. In order to include different categorisations of forest, a sub layer for tree cover is generated. The sublayer contains: 1) Tree cover, which is contained in input layers, such as the forest layer in the topographical database and which is located within areas, which in the LULC 01 2021 layer are characterised as wet nature, dry nature, extensive agriculture, not paved road, lake or stream. 2) Christmas trees/cut greenery, nurseries/plantations and energy forest, which is contained in the agricultural census data. The appendix contains detailed information about, where the tree cover is mapped. The appendix also contains information about which object types from applied input datasets are aggregated into tree cover categories. Tree cover categories in the tree cover layer are listed in Table 3.3. The applied method is illustrated in Figure 3.9.

Table 3.3 Object types, contained in the tree cover layer.

Objec	t Object name	Description
code		
1	Tree cover	Tree cover from the topographical database, located on LULC categories, which can contain tree cover
2	Forest/afforestation	Derived from management plans for state forest and defence holdings, from Natura2000 habitats, the topographical database or agricultural census data
3	Christmas trees/cut greenery	Derived from agricultural census data
4	Nursery/plantation	Derived from agricultural census data
5	Energy forestry	Derived from agricultural census data



Figure 3.9 Illustration of application of the tree cover layer. From the agricultural census data and the topographical database, areas categorised as tree cover are extracted (A) and overlaid with other land use/land cover categories (B) resulting in different categories of tree cover and combinations of land use/land cover types and tree cover (C)

3.10 Leaf type

Information on leaf type for tree cover is relevant for many purposes. E.g., broad-leaved trees provide better conditions for biodiversity than coniferous trees. Therefore, for Basemap04 information on leaf type has been added. Ob-

ject types derived from management plans for state forests and defence holdings, from Natura2000 habitat types, and from agricultural census data contain detailed information on tree types, which can be grouped into broadleaved and coniferous. However, these input layers only cover around 23 % of the total tree covered area. Therefore, for the remaining area, leaf type information is derived from the Copernicus leaf type map from 2018 (see Section 2.9). Table 3.4 contains information about from which input layers leaf type information was derived. The method for generating the leaf type map is illustrated in Figure 3.10.

Table 3.4 Origin of leaf type information in Basemap04.			
	Area	Proportion	
	Km²	%	
Management plans for state forests	1,099	15.9	
Management plans for Defence sites	52	0.8	
Natura2000 habitat types	97	1.4	
Agricultural census data	375	5.4	
Copernicus leaf type	4,823	69.6	
No leaf type information	480	6.9	
Total	6,926	100.0	

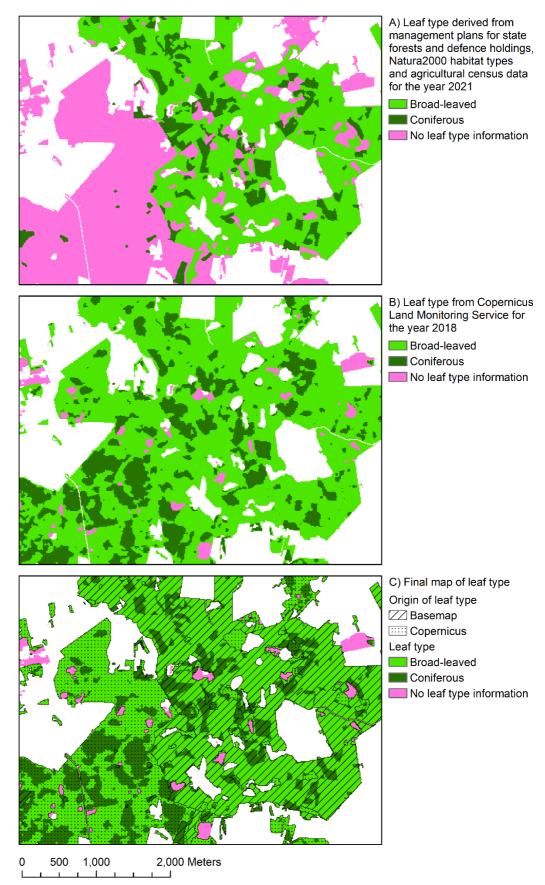


Figure 3.10 Illustration of applied method for mapping of leaf type. Within tree covered areas, leaf type derived from management plans for state forests and defence holdings, Natura2000 habitat types and agricultural census data (A) are overlaid with the Copernicus leaf type map (B). Where management plans for state forests and defence holdings, Natura2000 habitat types and agricultural census data do not contain leaf type information, the Copernicus leaf type layer is applied (C). Tree covered areas, where none of the input layers contain leaf type information are assigned "no leaf type information.

3.11 Solar panels

Solar panels are part of the sub-category energy supply under technical areas in the topographical database. However, solar panels are not registered specifically. In order to include areas with solar panels, all objects with the subcategory energy supply (1,061 objects) were assessed visually on aerial photos for the presence of solar panels and 178 objects were assigned the object code 50990104 Technical area, solar panels. Solar panels can overlap with areas, which in the aggregated layer are characterised as built up, recreational area, agriculture or nature. The applied method is illustrated in Figure 3.11.



Figure 3.11 Illustration of the mapping of solar panels. From the topographical database, the category solar panels is extracted (A) and overlaid with other land use/land cover categories (B) resulting in different combinations of solar panels and other land use/land cover categories (C).

3.12 Basemap for 2011, 2016 and 2018

Information about LULC changes over time is highly relevant. However, the methodology and to some extent 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, the updated version of Basemap for the years 2011, 2016 and 2018, consistent with Basemap for 2021, are elaborated. Within the rather short time sequences of five years (2011 – 2016), two years (2016 – 2018) and three years (2018 – 2021), 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, habitat and wetland restoration. These changes occur primarily on the account of agricultural land use.

The 2011, 2016, and 2018 versions of Basemap are elaborated for aggregated LULC types (Section 3.8). Consequently, these versions do not contain detailed LULC information or the possibility to relate these to other register data. Furthermore, for the years 2011, 2016, and 2018 tree cover layers consistent with the methodology described in Section 3.9 are elaborated.

In order to reduce biases caused by inaccuracies in 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 3.12. This method is first applied to elaborate the 2018 map and subsequently the 2016 and finally the 2011 map.

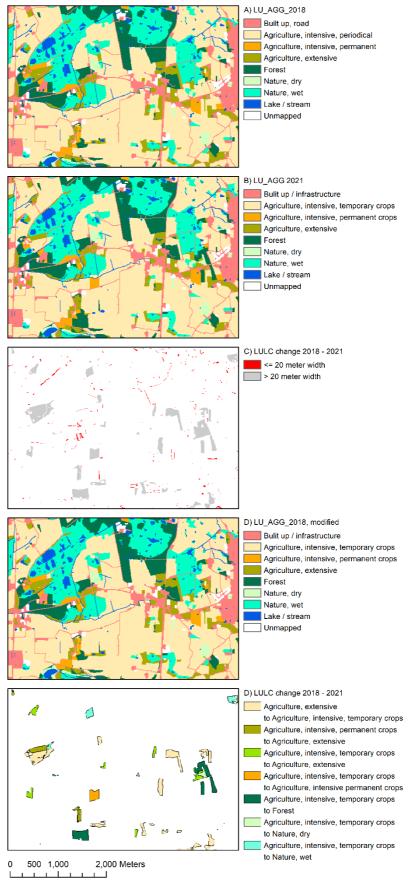


Figure 3.12. Illustration of the applied method for mapping of LULC changes from 2018 to 2021. The LULC map for 2018 (A) is overlaid with the LULC map for 2021 (B). Areas with LULC changes <= 20 meters width (C) are considered not to have changed and are in the modified LULC map for 2018 (D) assigned the LULC type for 2021. Mapped LULC changes only include areas with change > 20 meters width.

4 Results

4.1 Aggregated land use/land cover categories

Table 4.1 contains the total area and area proportion of the aggregated LULC categories for the years 2011, 2016, 2018, and 2021. In 2021, intensive agriculture is the largest LULC category (23,457.7 km²; 54.4 %) followed by built up and infrastructure (6,010.1 km²; 13.9 %), forest (5,713.6 km²; 13.3 %), nature areas (3,977.1 km²; 9.2 %), extensive agricultural land use (3,590.7 km²; 8.3 %) and streams and lakes (1,211.3 km², 2.8 %). Unclassified land, i.e. areas, where none of the applied input layers contains land use/land cover information, accounts for 684.2 km² (1.6 %).

Table 4.1 Area and proportion of land use/land cover in 2011, 2016, 2018 and 2021 and change from 2011 to 2021.

		201		201		2018		202			2011-2021
Code	Name	Area	% of errestrial	Area	% of errestrial	Area	% of errestrial	Area	% of errestrial	Area (Km²)	% of 2011
		(KIII-) te	area	(KIII-)le	area	(KIII-)te	area	(KIII-) t	area	(KIII-)	
100000	All built up and infrastructure	5,730.3	13.3	5,869.8	13.6	5,924.2	13.7	6,010.1	13.9	279.8	4.9
110000	Building	9.5	0.0	10.6	0.0	11.3	0.0	13.6	0.0	4.1	43.2
121000	Low built up	2,054.0	4.8	2,122.9	4.9	2,145.7	5.0	2,171.5	5.0	117.5	5.7
121110	Low built up; Building	513.9	1.2	526.6	1.2	530.4	1.2	546.8	1.3	32.9	6.4
122000	High built up	48.9	0.1	49.5	0.1	49.8	0.1	50.2	0.1	1.3	2.6
122110	High built up; Building	19.2	0.0	19.3	0.0	19.4	0.0	19.9	0.0	0.6	3.3
123000	City centre	14.4	0.0	14.4	0.0	14.4	0.0	14.3	0.0	-0.1	-0.6
123110	City centre; Building	13.4	0.0	13.4	0.0	13.4	0.0	13.5	0.0	0.1	0.9
124000	Other built up	47.0	0.1	50.1	0.1	55.1	0.1	59.2	0.1	12.2	26.0
124110	Other built up; Building	4.0	0.0	4.3	0.0	4.4	0.0	4.7	0.0	0.6	15.7
125000	Industry/business	213.5	0.5	232.8	0.5	240.0	0.6	250.6	0.6	37.2	17.4
125110	Industry/business; Building	90.4	0.2	94.1	0.2	95.1	0.2	99.7	0.2	9.3	10.3
126000	Airport/runway	22.9	0.1	23.1	0.1	23.1	0.1	23.3	0.1	0.4	1.9
126110	Airport/runway; Building	8.0	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.1	6.3
130000	Recreation area/sports ground	354.8	0.8	359.1	0.8	360.9	0.8	362.8	0.8	8.1	2.3
130110	Recreation area/sports ground; Building	10.2	0.0	10.2	0.0	10.3	0.0	11.1	0.0	0.9	9.1
141000	Road, paved	1,278.2	3.0	1,298.4	3.0	1,306.8	3.0	1,315.5	3.1	37.3	2.9
142000	Road, not paved	979.0	2.3	984.0	2.3	985.9	2.3	994.6	2.3	15.6	1.6
150000	Railway	55.3	0.1	55.3	0.1	56.4	0.1	56.8	0.1	1.5	2.6
150110	Railway; Building	0.9	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.1	7.9
160000	Resource extraction	57.3	0.1	58.9	0.1	52.4	0.1	52.0	0.1	-5.3	-9.3
200000	Agriculture	27613.5	64.1	27508.3	63.8	27355.6	63.5	27135.0	63.0	-478.6	-1.7
210000	Agriculture, intensive	24,739.4	57.4	23,919.3	55.5	23,678.6	55.0	23,457.7	54.4-	1,281.7	-5.2
211000	Agriculture, intensive, temporary crops	24,405.7	56.6	23,537.3	54.6	23,296.7	54.1	23,072.4	53.5-	1,333.3	-5.5
212000	Agriculture, intensive, permanent crops	333.7	0.8	382.0	0.9	381.9	0.9	385.2	0.9	51.5	15.4
220000	Agriculture, extensive	2,784.8	6.5	3,447.3	8.0	3,504.2	8.1	3,590.7	8.3	806.0	28.9
230000	Agriculture, extensive	1,320.7	3.1	1,769.3	4.1	1,892.9	4.4	1,897.5	4.4	576.9	43.7
230000	Agriculture, not classified	89.3	0.2	141.7	0.3	172.9	0.4	86.5	0.2	-2.8	-3.1
310000	Forest	5,666.9	13.2	5,683.5	13.2	5,682.6	13.2	5,713.6	13.3	46.7	0.8
311000	Forest	5,617.8	13.0	5,632.1	13.1	5,630.7	13.1	5,660.3	13.1	42.5	0.8
312000	Forest, wet	49.1	0.1	51.4	0.1	51.9	0.1	53.2	0.1	4.1	8.4
320000	Nature	3,735.5	8.7	3,899.1	9.0	3,924.6	9.1	3,977.1	9.2	241.5	6.5
321000	Nature, dry	1,132.8	2.6	1,084.3	2.5	1,114.2	2.6	1,097.3	2.5	-35.4	-3.1
321220	Nature, dry, Agriculture, extensive	360.8	8.0	445.6	1.0	427.0	1.0	452.8	1.1	92.1	25.5
322000	Nature, wet	1,138.7	2.6	1,136.8	2.6	1,199.2	2.8	1,186.5	2.8	47.8	4.2
322220	Nature, wet, Agriculture, extensive	1,103.3	2.6	1,232.3	2.9	1,184.3	2.7	1,240.4	2.9	137.0	12.4
410000	Lake and Stream	1,154.8	2.7	1,179.5	2.7	1,190.4	2.8	1,211.3	2.8	56.5	4.9
411000	Lake	745.0	1.7	768.3	1.8	781.0	1.8	802.0	1.9	57.0	7.7
412000	Stream	409.8	1.0	411.2	1.0	409.4	1.0	409.3	0.9	-0.6	-0.1
420000	Sea	30,209.4		30,208.6		30,204.5		30,202.5		-6.9	0.0
800000	Unmapped	588.7	1.4	562.6	1.3	569.3	1.3	684.2	1.6	95.5	16.2

4.2 Land use and land cover changes

The two columns to the right in Table 4.1 show the change in area and proportion for the period from 2011 to 2021. Overall, changes are characterised by a decreasing area of intensive agricultural land use $(-1,281.7 \text{ km}^2; -5.2 \%)$ and an increasing area of built up and infrastructure $(+279.8 \text{ km}^2; 4.9 \%)$, of extensive agriculture $(+806.0 \text{ km}^2; 28.9 \%)$, of nature areas $(+241.5 \text{ km}^2, 6.5 \%)$ and of lakes and streams $(+56.5 \text{ km}^2; 4.9 \%)$.

4.2.1 Built up and infrastructure

Between 2011 and 2021, build-up areas and infrastructure increased by 279.8 km² or 4.9 %. Table 4.2 shows LULC categories for the year 2011, which by 2021 had changed to build up and infrastructure. Around 44 % of the area, which changed to build up and infrastructure was in 2011 mapped as agriculture. A proportion of 8.5 % was mapped as forest, 2.1 % as nature, 0.6 % as lake/stream and 1.1 % as Sea. Around 43 % of the area was unmapped in 2011. I.e., in 2011, none of the applied input data contained any LULC information. As illustrated in Figure 4.1, in 2011, many of these areas were already partly build up or under construction. There are thus two principal explanations for changes from not classified to build up and infrastructure: 1) The area was already build up in 2011, but due to the four years registration interval for topographical data (see Chapter 2.1), was not yet registered as build up. 2) The area was under construction, which is not a LULC category in any of the applied input datasets.

Table 4.2 Land use/land cover categories in 2011, which by 2021 had changed to build up and infrastructure.

	Area	Proportion
	Km²	%
Resource extraction	1.6	0.6
Agriculture	123.3	44.1
Forest	23.7	8.5
Nature	6.0	2.1
Lake/stream	1.6	0.6
Sea	3.1	1.1
Unmapped	120.5	43.1
Total	279.8	100.0



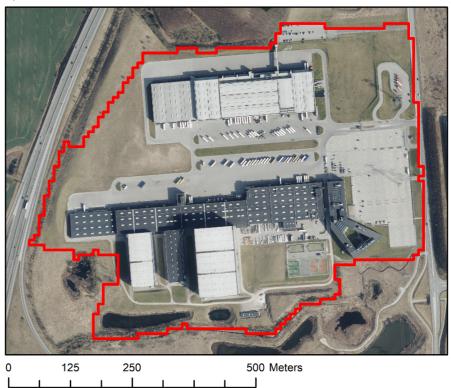


Figure 4.1 Illustration of an area, which in 2011, is categorised as "unmapped" (A) and in 2021 is mapped as "build up" (B). As can be seen, in 2011, some road infrastructure was already constructed and earth work had already started.

4.2.2 Solar energy

Although, in 2021, solar panels only covered 12.1 km², between 2011 and 2021, the area of solar panels increased by 11.5 km² or 1.756 %. An example is shown in Figure 4.2.

Table 4.3 Area covered by solar panels in 2011, 2016, 2018 and 2021 and change from 2011 to 2021.

2011	2016	2018	2021	Changa 2011 2021
2011	2016	2016	2021	Change 2011 - 2021
Area	Area	Area	Area	Area Proportion of 2011
Km²	Km²	Km²	Km²	Km² %
0.7	2.0	7.2	12.1	11.5 1,755.6

A) 2011



B) 2021

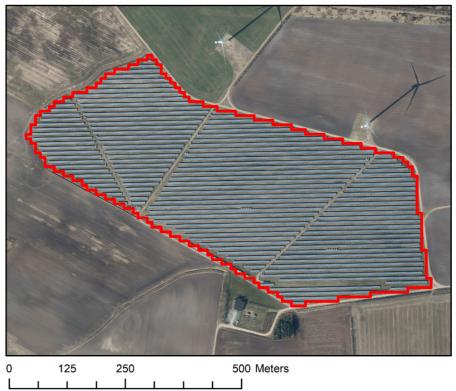


Figure 4.2 Example of an area, which in 2011 was cropland (A) and by 2021 was covered by solar panels (B).

4.2.3 Tree cover

According to the aggregated LULC categories (Table 4.1), in 2021, the total forest area was 5,713.6 km² or 13.3 % of the terrestrial area of Denmark. Between 2011 and 2021, the forest area increased by 46.7 km² or 0.8 %. Table 4.4 shows the total forest area for the different categories of tree cover, contained in the sub-layer for tree cover. In 2021, the sum of all types of tree cover was 6,927 km² or 16.2 % of the terrestrial area of Denmark. With 5,714 km², the largest area is tree cover, which in the aggregated map is categorised as forest. The amount of 855 km² is tree cover located on LULC categories, which in the aggregated LULC map are not mapped as forest. Furthermore, Christmas trees and cut greenery make up 223 km², nursery/plantation 47 km², and energy forest 88 km². Table 4.3 also shows that from 2011 to 2021, the area of all tree cover categories increased. The total area of all tree cover categories increased by 2.8 % from 6,741 km² in 2011 to 6,927 km² in 2021.

Table 4.4 Area and proportion of different types of tree cover in 2011, 2016, 2018 and 2021 and change from 2011 to 2021.

		20	11	20	16	2	018	2	021	Change 2	2011 – 2021
		Area P	roportion of total	Areal	Proportion of total	Area	Proportion of total	Area	Proportion of total tree		Proportion of 2011
		t	ree cover		tree cover		tree cover		cover		
Cod	eName	Km²	%	Km²	%	Km²	%	Km²	%	Km²	%
1	Tree cover on other land use/land cover	789.1	11.7	834.6	12.2	831.3	12.1	855.1	12.3	66.0	8.4
2	Forest/afforestation Christmas trees/cut	5,666.9	84.1	5,683.5	82.8	5,682.6	82.7	5,713.6	82.5	46.7	0.8
3	greenery	183.1	2.7	209.9	3.1	219.9	3.2	223.2	3.2	40.1	21.9
4	Nursery/plantation	41.1	0.6	48.9	0.7	47.4	0.7	46.7	0.7	5.6	13.6
5	Energy forestry	60.2	0.9	88.6	1.3	86.9	1.3	88.0	1.3	27.8	46.1
	Total tree cover	6,740.5	100.0	6,865.5	100.0	6,868.1	100.0	6,926.7	100.0	186.1	2.8

Table 4.5 shows the area and proportion of those LULC categories, within which the tree cover category "tree cover on other land use/land cover" was located in 2011, 2016, 2018, and 2021. In 2021, the largest proportion of tree cover was located within areas with wet nature (39 %), followed by unpaved roads (27.8 %), areas with dry nature (11.9 %), extensive agriculture (3.7 %), and lake/stream (1.9 %). The smallest proportion is located in areas for recreation/sports grounds (0.7 %).

Table 4.5 Area and proportion of tree cover, which is located within land use/land cover categories, which are not categorised as forest in 2011, 2016, 2018 and 2021 and change from 2011 to 2021.

		2011		2016		2018		2021	Change	2011 - 2021
	Area	Proportion of	Area	Proportion of	Area	Proportion of	Area	Proportion of	Area l	Proportion of
		total area with		total area with		total area with		total area with		2011
		tree cover on		tree cover on		tree cover on		tree cover on		
		other LULC		other LULC		other LULC		other LULC		
		categories		categories		categories		categories		
Land use/land										
cover category	Km ²	%	Km ²	%	Km²	%	Km ²	%	Km²	%
Recreation area/ sports										
ground	2.2	0.3	2.5	0.3	2.5	0.3	3.0	0.3	0.7	33.9
Road, not paved Agriculture,	234.9	29.8	231.5	27.7	233.5	28.1	238.1	27.8	3.2	1.4
extensive	31.4	4.0	32.5	3.9	31.5	3.8	35.1	4.1	3.7	11.9
Nature, dry	174.7	22.1	191.2	22.9	184.6	22.2	186.6	21.8	11.9	6.8
Nature, wet	289.2	36.7	320.2	38.4	321.9	38.7	333.8	39.0	44.6	15.4
Lake/stream	56.7	7.2	56.7	6.8	57.4	6.9	58.5	6.8	1.9	3.3
Total	789.1	100.0	834.6	100.0	831.3	100.0	855.1	100.0	66.0	8.4

4.2.4 Spatially explicit changes in tree cover

Between 2011 and 2021, the total area of tree cover increased by $186.1~\rm km^2$ or 2.8~%. However, this net-increase comprises both a gain and a loss in tree cover. Table 4.6 shows that over this period of 10 years, there was a loss of $250.2~\rm km^2$ and a gain of $436.4~\rm km^2$ of tree cover.

Table 4.6 Net-change and loss and gain in tree cover from 2011 to 2021.

2011	2021		2011-2021	
		Net-change	Loss	Gain
Area	Area	Area	Area	Area
Km²	Km²	Km²	Km²	Km²
6,740.5	6,926.7	186.1	-250.2	436.4

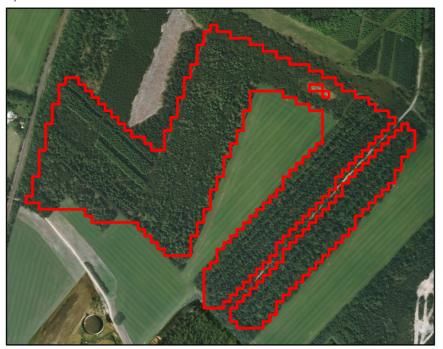
Table 4.7 shows the distribution of loss and gain in tree cover from 2011 to 2021 distributed over the different tree cover types. For both losses and gains, forest/afforestation makes up the largest proportion, followed by tree cover on other land use/land cover categories and Christmas trees/cut greenery. Nursery/plantation and energy forests comprise smaller proportions of loss and gain in tree cover.

Table 4.7 Loss and gain in tree cover from 2011 to 2021 distributed over tree cover types.

	Le	oss	G	Sain
	Area	Proportion	Area	Proportion
Tree cover type	Km²	%	Km²	%
Tree cover on other land use/land cover	77.5	31.0	106.0	24.3
Forrest/afforestation	121.7	48.6	200.2	45.9
Christmas trees/cut greenery	18.2	7.3	61.6	14.1
Nursery/plantation	17.2	6.9	23.0	5.3
Energy forest	15.7	6.3	45.5	10.4
Total	250.2	100.0	436.4	100.0

Figures 4.3 to 4.5 show examples of areas, where tree cover was lost. Loss in tree cover is either associated with conversion to other LULC categories, such as agriculture (Figure 4.3) or urban land use (Figure 4.4) or with the clearing of tree cover in relation to nature management (Figure 4.5).





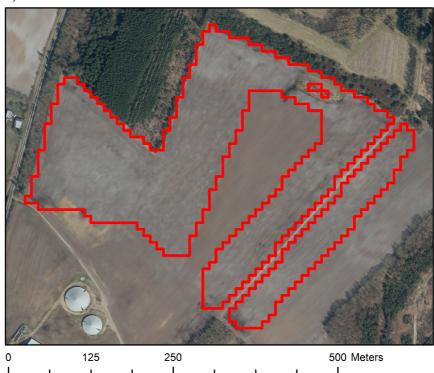


Figure 4.3 Example of an area, which in 2011 was covered by forest and in 2021, was used for agriculture.



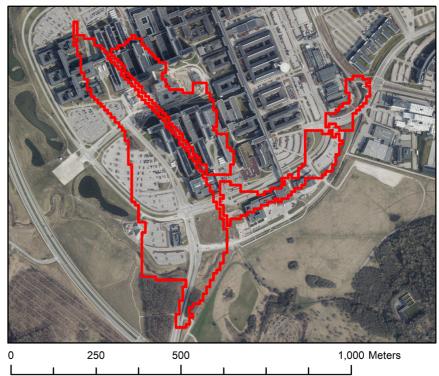
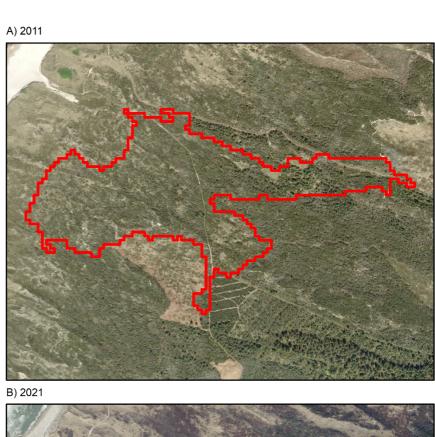


Figure 4.4 Example of an area, which in 2011 was covered by forest and by 2021, was converted to urban land.



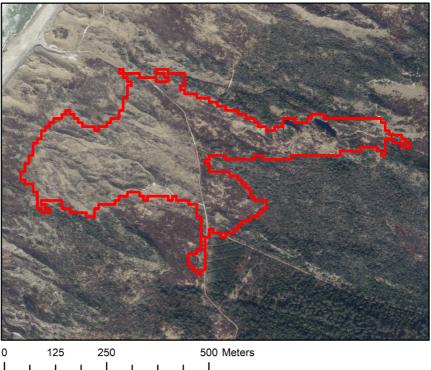
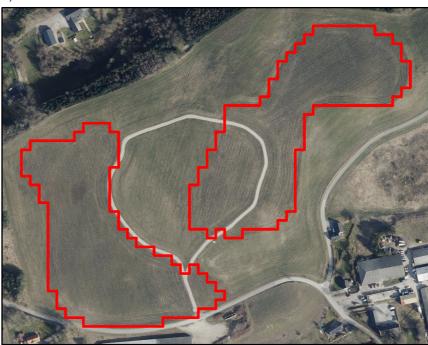


Figure 4.5 Example of a nature area, which in 2011 was covered by trees. By 2021, tree cover was cleared.

Figures 4.6 and 4.7 show examples of areas with gain in tree cover.





0 25 50 100 Meters

Figure 4.6 Example of an area, which in 2011 was used for agriculture and by 2021, was used for afforestation.





Figure 4.7 Example of and area, which in 2011 was used for agriculture and in 2021 for Christmas trees.

4.2.5 Leaf type

For the year 2021, Table 4.8 summarises the area and proportions of leaf types for the different types of tree cover. Of the total area with tree cover, about 58.8~% was mapped as broad-leaf and 34.2~% as coniferous, while 6.9~% could not be classified. The majority of broad-leafed tree cover was forest/afforestation (81.6 %), followed by tree cover on other land use/land cover (15.1 %), energy forest (2.2 %), and nursery/plantation (1.1 %). For coniferous tree

cover, the largest proportion was located on forest/afforestation (83.3 %), followed by Christmas trees/cut greenery (9.4 %) and tree cover on other land use/land cover (7.3 %). The largest proportion of the area, where leaf type could not be classified as forest/afforestation (85.8 %) followed by tree cover on other land use/land cover (14.2 %).

Table 4.8 Leaf type in 2021, distributed over different tree cover types.

			Lea	of type			
	Broa	ad-leaf	Con	iferous	Not classified		
	Area Proportion		Area	Proportion	Area	Proportion	
		of leaf type		of leaf type		of leaf type	
Tree cover type	Km²	%	Km²	%	Km²	%	
Tree cover on other land use/land cover	613.5	15.1	173.5	7.3	68.0	14.2	
Forest/afforestation	3,327.9	81.6	1,973.9	83.3	411.8	85.8	
Christmas trees/cut greenery	-	-	223.2	9.4	-	-	
Nursery/plantation	46.7	1.1	-	-	-	-	
Energy forest	88.0	2.2	-	-	-	-	
All	4,076.4	100.0	2,370.7	100.0	479.8	100.0	
Proportion of all tree cover (%)	58.8		34.2		6.9		

For areas, which between 2011 and 2021, have changed from other LULC categories to tree cover, Table 4.9 summarises area and proportion of leaf types for the different tree cover types. Of the total area of gained tree cover, 51.3 % was mapped as broad-leaf and 20.1 % as coniferous, while 28.6 % leaf types could not be classified. The high proportion of not classified leaf type is likely due to areas, where tree cover was too young to be captured by the 2018 Copernicus leaf type map. The largest proportion of new broad-leafed tree cover was on tree cover on other land use/land cover (36.6 %), followed by forest/afforestation (32.8 %), energy forest (20.3 %), and nursery/plantation (10.3 %). For new coniferous tree cover, the largest proportion was on Christmas trees/cut greenery (70.2 %), followed by forest/afforestation (17.3 %) and tree cover on other land use/land cover (12.5 %). For areas, where leaf type could not be classified, the largest proportion was on forest/afforestation (89.6 %), followed by tree cover on other land use/land cover (10.4 %).

Table 4.9 Leaf type for areas, which from 2011 to 2021 had changed to tree cover.

			Lea	af type			
	Bro	ad-leaf	Con	iferous	Not classified		
-	Area	Proportion of leaf type	Area	Proportion of leaf type	Area	Proportion of leaf type	
Tree cover type	Km²	%	Km²	%	Km²	%	
Tree cover on other land use/land cover	82.0	36.6	11.0	12.5	13.0	10.4	
Forest/afforestation	73.4	32.8	15.1	17.3	111.7	89.6	
Christmas trees/cut greenery	-	-	61.6	70.2	-	-	
Nursery/plantation	23.0	10.3	-	-	-	-	
Energy forest	45.5	20.3	-	-	-	-	
All	224.0	100.0	87.7	100.0	124.7	100.0	
Proportion of all tree cover (%)	51.3		20.1		28.6		

5 Discussion and conclusion

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

The applied methodology for Basemap takes input data's varying spatial and thematic precision 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.

The applied input data can contain different LULC information for the same locations. The overlay between different input layers and the elaborated sublayers allows users to develop their own aggregations of LULC categories for other purposes.

By the end of 2022, Basemap04 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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Appendix

Basemap	•	Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code		Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
10110200	Management plans for Defence sites	Sø	Lake	411000	Sø	Lake	N		Yes
10110200	Management plans for		Lake	411000	30	Lake	IN	-	res
10200200	Defence sites	bebyggelse	Area surrounding buildings	124000	Andet bebyggelse	Other built up	N	_	No
10200200	Management plans for		Area surrounding buildings	124000	Ander bebyggeise	Other built up	IN		NO
10200700	Defence sites	Øvelsesareal	Practice ground	124000	Andet bebyggelse	Other built up	N	_	No
10200700	Management plans for		Traduct ground	12 1000	/ index 202y ggoldo	Out of Dank ap			110
10200800	Defence sites	Militære anlæg	Military installation	124000	Andet bebyggelse	Other built up	N	-	No
	Management plans for		, ,						
10200900	Defence sites	(ubevokset_bar)	Practice ground (bare)	124000	Andet bebyggelse	Other built up	N	-	No
	Management plans for	•	,		Rekreativt område/	Recreation areal/			
10201100	Defence sites	Publikumsareal	Public area	130000	sportsanlæg	sports ground	N	-	Yes
	Management plans for								
10201400	Defence sites	Skydebane	Shooting range	124000	Andet bebyggelse	Other built up	N	-	No
	Management plans for								
10201700	Defence sites	Grusgrav	Gravel pit	160000	Råstofudvinding	Resource extraction	N	-	No
	Management plans for								
10220200	Defence sites	Bæltevej	Tank track	321000	Natur, tør	Nature, dry	N	-	No
40000000	Management plans for			004000	N	NI a			
10230000	Defence sites	Brandbaelte	Fire break	321000	Natur, tør	Nature, dry	N	-	No
10010100	Management plans for		Mat madalu	222000	Notice ved	Notices wet	NI		Yes
10310100	Defence sites Management plans for	Eng	Wet meadow	322000	Natur, våd	Nature, wet	N	-	res
10310200	Defence sites	Strandsump	Coastal swamp	322000	Natur, våd	Nature, wet	N		Yes
10310200	Management plans for	•	Coasiai swamp	322000	Natur, vau	Mature, wet	IN	-	162
10310300	Defence sites	Mose	Mire / bog	322000	Natur, våd	Nature, wet	N	_	Yes
10010000	Management plans for		Will C / Bog	322000	rvatar, vaa	riature, wet	14		103
10310400	Defence sites	Strandeng	Coastal meadow	322000	Natur, våd	Nature, wet	N	_	Yes
10010100	Management plans for	3	odata modati	022000	rtatar, vaa	riataro, irot	• •		100
10320100	Defence sites	Hede	Heather	321000	Natur, tør	Nature, dry	N	_	Yes
	Management plans for				•	. ,			
10320200	Defence sites	Frit areal (overdrev)	Open area	321000	Natur, tør	Nature, dry	N	-	Yes
	Management plans for	Slette, Overdrev	·			•			
10320400	Defence sites	(Slette)	Plain	321000	Natur, tør	Nature, dry	N	-	Yes
	Management plans for	Slette, Overdrev							
10320500	Defence sites	(overdrev)	Dry meadow	321000	Natur, tør	Nature, dry	N	-	Yes
	Management plans for		_						
10320600	Defence sites	Klit	Dune	321000	Natur, tør	Nature, dry	N	-	Yes
	Management plans for								
10320700	Defence sites	Hede	Heather	321000	Natur, tør	Nature, dry	N	-	Yes

Description	Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
10520080 Defence sites Management plans for Defence sites Barrel Standard Defence sites Defence	Object Code	Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English		Leaf type	allowed
Management plans for Uncultivated area Uncultivated area Uncultivated area 321000 Natur, ter Nature, dry N Forest Fore		Management plans for								
Management plans for localized area Uncultivated area Uncultivated area 321000 Natur, ter Nature, dry N Forest Forest Forest Forest Afforestation Broad leaf Yes Forest Afforestation Forest	10320800			Beach	321000	Natur, tør	Nature, dry	N	-	Yes
Defence sites Management plans for learners Management p		Management plans for				·				
Management plans for locations of locations and locations and locations are located and locations and locations are located and locations are locate	10600200			Uncultivated area	321000	Natur. tør	Nature, dry	N	_	Yes
Defence sites Management plans for Mana										
Management plans for Levt/res uden Management plans for Defence sites Sarfig kode Not specified deciduous tree 311000 Skov Forest afforestation Broad leaf Yes Forest Ash Management plans for Defence sites Management pl	10610100			Grev alder	311000	Skov	Forest		Broad leaf	Yes
Defence sites Sexification Service Management plans for Defence sites Ask Ash 311000 Skov Forest afforestation Broad leaf Yes Management plans for Defence sites Ask Ash 311000 Skov Forest afforestation Broad leaf Yes Management plans for Defence sites Birk Birch 311000 Skov Forest afforestation Broad leaf Yes Management plans for Defence sites Birk Birch 311000 Skov Forest afforestation Broad leaf Yes Management plans for Defence sites Birk Birch 311000 Skov Forest Afforestation Broad leaf Yes Management plans for Defence sites Defence	10010100			Croy aldo!	011000	Chov	1 01001		Broad roar	100
Management plans for Defence sites Ask Ash A	10610200	• •		Not specified deciduous tree	311000	Skov	Forest		Broad leaf	Yes
Defence sites Ask Ash Ash 311000 Skov Forest Afforestation Forest	10010200		•	Not opcomed decided and	011000	CROV	1 01000		Dioda iodi	100
Management plans for Management plans for Defence sites Management plans for Management plans	10610300			Δsh	311000	Skov	Forest		Broad leaf	Ves
Defence sites Bæwreasp Aspen 311000 Skov Forest afforesation Frozest Forest	10010300			7.311	311000	CROV	1 01031		Dioda icai	103
Management plans for Porest Management plans for Pores	10610400	• •		Asnen	311000	Skov	Forest		Broad leaf	Ves
Defence sites	10010400			Аэреп	311000	SKOV	1 01631		Dioad leaf	163
Management plans for Defence sites Management plans for Management plans for Defence sites Management plans for Defence	10610600	• •		Rirch	311000	Skov	Forcet		Broad loaf	Voc
Defence sites Management plans for Management plans for Management plans for Management plans for Defence sites Eg Oak 311000 Skov Forest afforestation Coniferous Yes Forest Aldre Stown Forest	10010000			Dilcii	311000	SKOV	1 01631		Di Oau leai	163
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Defence sites Contorta Contorta Stow Forest Afforestation Conferous Yes	10010700		_	Deecn	311000	SKUV	rulesi		bioau leai	162
Management plans for Defence sites Management plans for Service Service Management plans for Defence sites Management plans for Service Management plans for Service Management plans for Defence sites Management plans for Management plans for Defence sites Management plans for Management plans for Management plans for Management plans for Defence sites Management plans for Management plans for Management plans for Management plans for Defence sites Management plans for Management plans for Management plans for Management plans for Defence sites Management plans for Defence sites Management plans for Management plans for Defence sites Management plans for Defence sites Manag	10610000			Contorto	211000	Ckov	Forest		Coniforaua	Voc
Defence sites Eg Oak 311000 Skov Forest Afforestation Broad leaf Yes	10610900			Contorta	311000	SKUV	rolest		Connerous	168
Management plans for Defence sites EI Alder 311000 Skov Forest afforestation Forest/ Forest/ Forest/ Management plans for Defence sites EIm BIM Alder 311000 Skov Forest afforestation Forest/	10011000			Oak	244000	Clear	Forest		Drandlant	Vaa
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Management plans for Defence sites Alternative Management plans for Management plan		0 1								.,
Defence sites Management plans for Defence sites Lind Lime Silver Management plans for Defence sites Management plans for Defence sites Pil Willow Silver Management plans for Defence sites Pil Willow Silver Management plans for Defence sites Management plans for Defence sites Management plans for Silver Management plans for Defence sites Management plans for Silver Management plans for Silve	10611200			Elm	311000	Skov	Forest		Broad leaf	Yes
Management plans for Defence sites Management plans for Management plans for Management plans for Defence sites Management plans for Defence sites Management plans for Management plans for Defence sites Management plans for Defence sites Management plans for Management plans for Defence sites Management plans for Management plans for Management plans for Defence sites Management plans for Management plans		0 1		_			_			
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Management plans for Lind Lime 311000 Skov Forest afforestation Broad leaf Yes Afforestation Management plans for Forest/ 10612200 Defence sites Pil Willow 311000 Skov Forest afforestation Broad leaf Yes Afforestation Management plans for Forest/ 10612300 Defence sites Poppel Poplar 311000 Skov Forest afforestation Broad leaf Yes Afforestation Management plans for Forest/ 10612400 Defence sites Rødeg Red oak 311000 Skov Forest afforestation Broad leaf Yes Afforestation Management plans for Forest/ 10612500 Defence sites Rødel Common alder 311000 Skov Forest afforestation Broad leaf Yes Afforestation Management plans for Forest/ 10612600 Defence sites Røn Mountain ash 311000 Skov Forest afforestation Broad leaf Yes Afforestation Management plans for Forest/ 10612800 Defence sites Røn Mountain ash 311000 Skov Forest afforestation Broad leaf Yes Afforestation Management plans for Forest/ 10612800 Defence sites Røn Mountain ash 311000 Skov Forest afforestation Broad leaf Yes Afforestation Management plans for Forest/ 10612800 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Protest/ 10620100 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Coniferous Yes Management plans for Forest/										
Defence sites Lind Lime Skov Forest Afforestation Forest Pril Willow Skov Forest Afforestation Forest Pril Forest Pril Willow Skov Forest Afforestation Forest Pril Forest Pril Property Prope	10611700			Cherry	311000	Skov	Forest		Broad leaf	Yes
Management plans for Defence sites Pill Willow 311000 Skov Forest afforestation Broad leaf Yes Management plans for Management plans fo										
Defence sites Pil Willow 311000 Skov Forest afforestation Forest Forest Forest Popel P	10612000			Lime	311000	Skov	Forest		Broad leaf	Yes
Management plans for 10612300 Defence sites Management plans for Managem										
Defence sites Poppel Poplar Skov Forest Afforestation Broad leaf Yes	10612200	Defence sites	Pil	Willow	311000	Skov	Forest		Broad leaf	Yes
Management plans for Defence sites Rødeg Red oak 311000 Skov Forest afforestation Forest/ 10612500 Defence sites Rødel Common alder 311000 Skov Forest afforestation Forest/ 10612600 Defence sites Røn Mountain ash 311000 Skov Forest afforestation Forest/ 10612800 Defence sites Krat Scrub 311000 Skov Forest afforestation Forest/ 10612800 Defence sites Krat Scrub 311000 Skov Forest afforestation Forest/ 10620100 Defence sites Krat Scrub 311000 Skov Forest afforestation Forest/ 10620100 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Forest/ 10620100 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Forest/ 10620100 Forest Afforestation Forest/ 10620100 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Forest/		Management plans for						Forest/		
10612400 Defence sites Rødeg Red oak 311000 Skov Forest afforestation Broad leaf Yes	10612300	Defence sites	Poppel	Poplar	311000	Skov	Forest	afforestation	Broad leaf	Yes
Management plans for Defence sites Rødel Common alder 311000 Skov Forest afforestation Broad leaf Yes Honest Management plans for Mountain ash Mountain ash Scrub Strub		Management plans for						Forest/		
Defence sites Rødel Common alder Slow Forest Afforestation Broad leaf Yes	10612400	Defence sites	Rødeg	Red oak	311000	Skov	Forest	afforestation	Broad leaf	Yes
Management plans for Porest/ 10612600 Defence sites Røn Mountain ash 311000 Skov Forest afforestation Broad leaf Yes Management plans for Forest/ 10612800 Defence sites Krat Scrub 311000 Skov Forest afforestation Broad leaf Yes Management plans for Forest/ 10620100 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Coniferous Yes Management plans for Forest/ Management plans for Forest/ Management plans for Forest/		Management plans for						Forest/		
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Management plans for 10612800 Defence sites Krat Scrub 311000 Skov Forest afforestation Broad leaf Yes Management plans for 10620100 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Coniferous Yes Management plans for Forest/		Management plans for						Forest/		
Management plans for 10612800 Defence sites Krat Scrub 311000 Skov Forest afforestation Broad leaf Yes Management plans for 10620100 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Coniferous Yes Management plans for Forest/	10612600	Defence sites	Røn	Mountain ash	311000	Skov	Forest	afforestation	Broad leaf	Yes
10612800 Defence sites Krat Scrub 311000 Skov Forest afforestation Broad leaf Yes Management plans for 10620100 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Coniferous Yes Management plans for Forest/		Management plans for						Forest/		
Management plans for 10620100 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Coniferous Yes Management plans for Forest/	10612800			Scrub	311000	Skov	Forest		Broad leaf	Yes
10620100 Defence sites Japansk lærk Japanese larch 311000 Skov Forest afforestation Coniferous Yes Management plans for Forest/					-					
Management plans for Forest/	10620100			Japanese larch	311000	Skov	Forest		Coniferous	Yes
			•	•	-				-	
	10620200	• •		Grandis	311000	Skov	Forest		Coniferous	Yes

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code		Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
	Management plans for	Nåletræ uden særlig					Forest/		
10620300	Defence sites	kode	Not specified coniferous tree	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for		·				Forest/		
10620500	Defence sites	Bjergfyr	Mountain pine	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for		p				Forest/		
10620700	Defence sites	Cypres	Cypress	311000	Skov	Forest	afforestation	Coniferous	Yes
10020700	Management plans for		Оургозз	311000	OROV	1 01031	Forest/	Comicious	103
10620800	Defence sites	Douglas	Douglas fir	311000	Skov	Forest	afforestation	Coniferous	Voc
10020000			Douglas III	311000	SKOV	rorest		Connerous	163
4000000	Management plans for		E	044000	Olama	Famant	Forest/	0:	V
10620900	Defence sites	Europæisk lærk	European larch	311000	Skov	Forest	afforestation	Coniferous	res
	Management plans for						Forest/		
10621000	Defence sites	Fransk bjergfyr	French mountain pine	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
10621100	Defence sites	Almindelig ædelgran	Common silver fir	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
10621400	Defence sites	Lærk	Larch	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
10621500	Defence sites	Nordmannsgran	Norman spruce	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for	9	•				Forest/		
10621600	Defence sites	Nobilis	Nobilis	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
10621700	Defence sites	Omorika	Omorika	311000	Skov	Forest	afforestation	Coniferous	Yes
10021700	Management plans for		Omonika	311000	OROV	1 01031	Forest/	Connerous	103
10621800	• '		Austrian nine	311000	Skov	Forest		Coniferous	Yes
10021000	Defence sites	Østrigsk fyr	Austrian pine	311000	SKUV	roiesi	afforestation	Connerous	168
40004000	Management plans for		2	044000	01.	Firm	Forest/	0	V
10621900	Defence sites	Rødgran	Common spruce	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for					_	Forest/		
10622000	Defence sites	Sitagran	Sita spruce	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
10622100	Defence sites	Skovfyr	Scotsh pine	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
10622400	Defence sites	Hvidgran	White spruce	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for				Landbrug, intensivt,	Agriculture, intensive,			
10700100	Defence sites	Ager	Field	211000	midlertidige afgrøder	temporary crops	N	_	No
	Management plans for				····ararinanga angira aar				
10710100	Defence sites	(græsset)	Grazed plain	321000	Natur, tør	Nature, dry	N	_	Yes
10110100	Management plans for		Grazoa piani	021000	Landbrug, intensivt,	Agriculture, intensive,	.,		100
10710200	Defence sites	Vildtager	Gaming area	211000	midlertidige afgrøder	temporary crops	N	_	No
107 10200	Management plans for		Carriing area	211000	maicraage argreaci	temperary crops	14		140
20110200	0 1	Sø	Laka	444000	Sø	Lake	N		Yes
20110200	state forests		Lake	411000	Rekreativt område/		IN	-	162
00000400	Management plans for		Comming site	420000		Recreation area/	NI		Vaa
20200400	state forests	Campingplads	Camping site	130000	sportsanlæg	sports ground	N	-	Yes
0000000	Management plans for		0.16	400000	Rekreativt område/	Recreation area/			
20200600	state forests	Golfbane	Golf course	130000	sportsanlæg	sports ground	N	-	Yes
	Management plans for				Rekreativt område/	Recreation area/			.,
20201000	state forests	Park	Park / recreation ground	130000	sportsanlæg	sports ground	N	-	Yes

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
	Management plans for				Rekreativt område/	Recreation area/			
20201100	state forests	Publikumsareal	Public area	130000	sportsanlæg	sports ground	N	-	Yes
	Management plans for				Rekreativt område/	Recreation area/			
20201200	state forests	Ruin, gravhøj	Ruin / barrow	130000	sportsanlæg	sports ground	N	-	Yes
	Management plans for					, ,			
20201300	state forests	Råstofgrav	Ressource extraction	160000	Råstofudvinding	Resource extraction	N	-	No
	Management plans for				9		Forest/		
20201500	state forests	Brændeplads	Wood storage	311000	Skov	Forest	afforestation	not defined	Yes
_0_0.000	Management plans for	•	ago	000		. 5.551	a		
20201600	state forests	Grusgrav	Gravel pit	160000	Råstofudvinding	Resource extraction	N	_	No
20201000	Management plans for		Graver pit	100000	radioidaviilailig	resource extraction	.,		110
20220200	state forests	Bæltevej	Tank track	321000	Natur, tør	Nature, dry	N	_	No
20220200	Management plans for		Tank track	321000	Natar, ter	rvature, ary	14		110
20230000	state forests	Brandbaelte	Fire break	321000	Natur, tør	Nature, dry	N	_	No
20230000	Management plans for		i ile bleak	32 1000	Natur, tør	ivaluie, ury	IN	-	NO
20310100	0 1		Wet meadow	322000	Notur våd	Natura wat	N		Yes
20310100	state forests	Eng	wet meadow	322000	Natur, våd	Nature, wet	IN	-	res
00040000	Management plans for		Occastal assessment	202000	Nieton os el	Naturast	N1		V
20310200	state forests	Strandsump	Coastal swamp	322000	Natur, våd	Nature, wet	N	-	Yes
00040000	Management plans for		.		N.				
20310300	state forests	Mose	Mire / bog	322000	Natur, våd	Nature, wet	N	-	Yes
	Management plans for								
20310400	state forests	Strandeng	Coastal meadow	322000	Natur, våd	Nature, wet	N	-	Yes
	Management plans for								
20310500	state forests	Marsk	Coastal marsh	322000	Natur, våd	Nature, wet	N	-	Yes
	Management plans for								
20320100	state forests	Hede	Heather	321000	Natur, tør	Nature, dry	N	-	Yes
	Management plans for								
20320300	state forests	Klippe	Rock	321000	Natur, tør	Nature, dry	N	-	Yes
	Management plans for	Slette, Overdrev				-			
20320400	state forests	(Slette)	Plain	321000	Natur, tør	Nature, dry	N	-	Yes
	Management plans for	Slette, Overdrev			·				
20320500	state forests	(overdrev)	Dry meadow	321000	Natur, tør	Nature, dry	N	-	Yes
	Management plans for	,	•		•	. ,			
20320600	state forests	Klit	Dune	321000	Natur, tør	Nature, dry	N	_	Yes
	Management plans for		240	02.000	. 1010., 12.				
20320800	state forests	Strandbred	Beach	321000	Natur, tør	Nature, dry	N	_	Yes
20020000	Management plans for		Bedon	021000	ratar, ter	rtataro, ary	.,		100
20600200	state forests	Ukultiveret areal	Uncultivated area	321000	Natur, tør	Nature, dry	N	_	Yes
20000200	Management plans for		Officultivated area	321000	Natur, ter	rvature, dry	11	_	163
20600200			Hilloido	221000	Notur tar	Noturo de	NI		Voo
20600300	state forests	Skrænt	Hillside	321000	Natur, tør	Nature, dry	N Forest/	-	Yes
00040400	Management plans for		Crovaldor	244000	Clear	Farant	Forest/	Droodles	Vac
20610100	state forests	Hvidel	Grey alder	311000	Skov	Forest	afforestation	Broad leaf	Yes
00045555	Management plans for			0.1.1.005	01		Forest/	.	
20610200	state forests	kode	Not specified deciduous tree	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for					_	Forest/		
20610300	state forests	Ask	Ash	311000	Skov	Forest	afforestation	Broad leaf	Yes

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
	Management plans for						Forest/		
20610400	state forests	Bævreasp	Aspen	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for	•	•				Forest/		
20610500	state forests	Avnbøg	Hornbeam	311000	Skov	Forest	afforestation	Broad leaf	Yes
_00.0000	Management plans for	,		0000		. 0.001	Forest/	2.000.00.	
20610600	state forests	Birk	Birch	311000	Skov	Forest	afforestation	Broad leaf	Yes
20010000	Management plans for	DIIK	Direit	311000	SKOV	1 01630	Forest/	Dioad leai	163
20610700	state forests	Bøg	Beech	311000	Skov	Forest	afforestation	Broad leaf	Yes
20010700		ьеу	Deech	311000	SKUV	Folest		bioau leai	165
00040000	Management plans for	Tata baatania	Owner Observat	044000	Classic	Farrat	Forest/	Describers	V
20610800	state forests	Ægte kastanie	Sweet Chestnut	311000	Skov	Forest	afforestation	Broad leaf	Yes
00040000	Management plans for	•		0.1.1.000	21		Forest/	o	
20610900	state forests	Contorta	Contorta	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for	_				_	Forest/		
20611000	state forests	Eg	Oak	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20611100	state forests	El	Alder	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20611200	state forests	Elm	Elm	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20611300	state forests	Ær	Great maple	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20611400	state forests	Hassel	Hazel	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20611600	state forests	Hestekastanie	Horse Chestnut	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20611700	state forests	Kirsebær	Cherry	311000	Skov	Forest	afforestation	Broad leaf	Yes
20011700	Management plans for	11002601	Chang	011000	Char	1 0.000	Forest/	Broad roar	100
20611900	state forests	Kristtorn	Holly	311000	Skov	Forest	afforestation	Broad leaf	Yes
20011300	Management plans for	Mistorii	Tiony	311000	GROV	1 01031	Forest/	Dioda icai	103
20612000	state forests	Lind	Lime	311000	Skov	Forest	afforestation	Broad leaf	Yes
20012000		LIIIG	LIME	311000	Skov	Tolest	Forest/	Di Oau icai	163
20612100	Management plans for state forests	Spidsløn	Norway maple	311000	Skov	Forest	afforestation	Broad leaf	Yes
20012100		Spidsiøn	Norway mapie	311000	SKUV	Forest		Di Oau leai	162
00040000	Management plans for	Dil	\A/:II=	044000	Classic	Farrat	Forest/	Desadlast	V
20612200	state forests	Pil	Willow	311000	Skov	Forest	afforestation	Broad leaf	Yes
00040000	Management plans for	5 .	5 .	0.1.1.000	21		Forest/	5 (
20612300	state forests	Poppel	Poplar	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for					_	Forest/		
20612400	state forests	Rødeg	Red oak	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20612500	state forests	Rødel	Common alder	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20612600	state forests	Røn	Mountain ash	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20612800	state forests	Krat	Scrub	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20620100	state forests	Japansk lærk	Japanese larch	311000	Skov	Forest	afforestation	Coniferous	Yes

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code		Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
	Management plans for						Forest/		
20620200	state forests	Grandis	Grandis	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for	Nåletræ uden					Forest/		
20620300	state forests	særlig kode	Not specified coniferous tree	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for	•	•				Forest/		
20620400	state forests	Veitchii	Veitchii	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Management plans for						Forest/		
20620500	state forests	Bjergfyr	Mountain pine	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for		oua po	000			Forest/		. 00
20620600	state forests	Cryptomeria	Cryptomeria	311000	Skov	Forest		Coniferous	Yes
20020000	Management plans for	* 1	oryptomona .	011000	Chov	1 01001	Forest/	Commorcac	. 00
20620700	state forests	Cypres	Cypress	311000	Skov	Forest	afforestation	Coniferous	Yes
20020700	Management plans for		Сургоос	011000	CROV	1 01000	Forest/	Comicioas	100
20620800	state forests	Douglas	Douglas fir	311000	Skov	Forest	afforestation	Coniferous	Yes
20020000	Management plans for		Douglas III	311000	CROV	1 01031	Forest/	Comicious	103
20620900	state forests	Europæisk lærk	European larch	311000	Skov	Forest	afforestation	Coniferous	Yes
20020900	Management plans for	•	Luiopean laich	311000	SKOV	1 01631	Forest/	Connerous	163
20621000	state forests		French mountain pine	311000	Skov	Forest	afforestation	Coniferous	Yes
20021000		Fransk bjergfyr	French mountain pine	311000	SKUV	Folest		Connerous	162
20024400	Management plans for		Common oil tor fir	244000	Clear	Forest	Forest/	Canifornia	Vaa
20621100	state forests	Almindelig ædelgran	Common silver fir	311000	Skov	Forest	afforestation	Coniferous	Yes
00004000	Management plans for		11.1.2.11	044000	OL :	-	Forest/	0	V.
20621200	state forests	Hybridlærk	Hybrid larch	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		.,
20621300	state forests	Weymouthsfyr	Weymouth pine	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
20621400	state forests	Lærk	Larch	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
20621500	state forests	Nordmannsgran	Norman spruce	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
20621600	state forests	Nobilis	Nobilis	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
20621700	state forests	Omorika	Omorika	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for						Forest/		
20621800	state forests	Østrigsk fyr	Austrian pine	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for		•				Forest/		
20621900	state forests	Rødgran	Common spruce	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for		·				Forest/		
20622000	state forests	Sitagran	Sita spruce	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for	•	1				Forest/		
20622100	state forests	Skovfyr	Scotch pine	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for	,	P				Forest/		
20622200	state forests	Thuja	Thuja	311000	Skov	Forest	afforestation	Coniferous	Yes
	Management plans for		,-				Forest/	500.000	. ••
20622300	state forests	Tsuga	Hemlock	311000	Skov	Forest	afforestation	Coniferous	Yes
20022000	Management plans for			311000		. 51000	Forest/	20111101000	. 00
20622400	state forests	Hvidgran	White spruce	311000	Skov	Forest	afforestation	Coniferous	Yes
20022700	5.010 1010010		TTIMO OPTOCO	511000	O. C. V	1 01000	anorostation	Johnstous	. 00

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
20700100	Management plans for state forests Management plans	Ager	Field	211000	Landbrug, intensivt, midlertidige afgrøder Landbrug, intensivt,	Agriculture, intensive, temporary crops Agriculture, intensive,	N Nursery/	-	No
20700200	for state forests Management plans	Planteskole	Forest nursery	212000	permanente afgrøder Landbrug, intensivt,	permanent crops Agriculture, intensive,	plantation	not defined	Yes
20710200	for state forests Protected habitat	Vildtager	Gaming area	211000	midlertidige afgrøder	, ,	N	-	No
30000100		Eng	Wet meadow	322000	Natur, våd	Nature, wet	N	-	Yes
30000200	types (§ 3-registration) Protected habitat	Hede	Heather	321000	Natur, tør	Nature, dry	N	-	Yes
30000300	types (§ 3-registration) Protected habitat types		Mire / bog	322000	Natur, våd	Nature, wet	N	-	Yes
30000400	(§ 3-registration) Protected habitat types	Overdrev	Dry meadow	321000	Natur, tør	Nature, dry	N	-	Yes
30000500	(§ 3-registration) Protected habitat types	Strandeng	Coastal meadow	322000	Natur, våd	Nature, wet	N	-	Yes
30000600	(§ 3-registration) Natura2000	Sø Strandvold med en-	Lake	411000	Sø	Lake	N	-	Yes
40121000	habitat types Natura2000	årig vegetation Strandvold med	Annual vegetation of drift lines Perennial vegetation of stony	321000	Natur, tør	Nature, dry	N	-	Yes
40122000	habitat types Natura2000	flerårig vegetation	banks Vegetated sea cliffs of the Atlantic	321000	Natur, tør	Nature, dry	N	-	Yes
40123000	habitat types Natura2000	Kystklint/klippe Enårig strandengsve-	and Baltic coasts Salicornia and other annuals	321000	Natur, tør	Nature, dry	N	-	Yes
40131000	habitat types Natura2000	getation	colonising mud and sand	322000	Natur, våd	Nature, wet	N	-	Yes
40132000	habitat types Natura2000	Vadegræssamfund	Spartina swards	322000	Natur, våd	Nature, wet	N	-	Yes
40133000	habitat types Natura2000	Strandeng	Atlantic salt meadows	322000	Natur, våd	Nature, wet	N	-	Yes
40134000	habitat types Natura2000	Indlandssalteng	Inland salt meadows	322000	Natur, våd	Nature, wet	N	-	Yes
40211000	habitat types	Forklit	Embryonic shifting dunes Shifting dunes along the shoreline	321000	Natur, tør	Nature, dry	N	-	Yes
40212000	Natura2000 habitat types Natura2000	Hvid klit	with Ammophila arenaria (white dunes) Fixed coastal dunes with herba-	321000	Natur, tør	Nature, dry	N	-	Yes
40213000	habitat types Natura2000	Grå/grøn klit	ceous vegetation (grey dunes) Decalcified fixed dunes with	321000	Natur, tør	Nature, dry	N	-	Yes
40214000	habitat types Natura2000	Klithede	Empetrum nigrum Dunes with Hippophae	321000	Natur, tør	Nature, dry	N	-	Yes
40216000	habitat types	Havtornklit	rhamnoides Dunes with Salix repens ssp.	321000	Natur, tør	Nature, dry	N	-	Yes
40217000	Natura2000 habitat types	Grårisklit	argentea (Salicion arenariea)	321000	Natur, tør	Nature, dry	N	-	Yes

Basemap Object Code	e Source	Basemap Object Name, Danish	Basemap Object Name, English	Aggregated LULC Code	Aggregated LULC Name, Danish	Aggregated LULC Name, English	Sub-category tree cover	Leaf type	Tree cover allowed
Object Code	Natura2000	ramo, Bamon	Wooded dunes of the Atlantic,	2020 0000	ramo, Bamon	rtamo, Englion	Forest/	Loui typo	anowea
40218000	habitat types Natura2000	Skovklit	Continental and Boreal region	311000	Skov	Forest	afforestation	not defined	Yes
40219000	habitat types Natura2000	Klitlavning	Humid dune slacks	321000	Natur, tør	Nature, dry	N	-	Yes
40225000	habitat types Natura2000	Enebærklit	Coastal dunes with Juniperus spp. Dry sand heaths with Calluna and	321000	Natur, tør	Nature, dry	N	-	Yes
40231000	habitat types Natura2000	Visse-indlandsklit	Genista Dry sand heaths with Calluna and	321000	Natur, tør	Nature, dry	N	-	Yes
40232000	habitat types Natura2000 habitat types	Revling-indlandsklit	Empetrum nigrum Inland dunes with open Corynephorus and Agrostis	321000	Natur, tør	Nature, dry	N	-	Yes
40233000	Natura2000	Græs-indlandsklit	grasslands Northern Atlantic wet heaths with	321000	Natur, tør	Nature, dry	N	-	Yes
40401000	habitat types Natura2000	Våd hede	Erica tetralix	322000	Natur, våd	Nature, wet	N	-	Yes
40403000	habitat types Natura2000	Tør hede	European dry heaths Juniperus communis formations on		Natur, tør	Nature, dry	N	-	Yes
40513000	habitat types Natura2000	Enekrat Tør overdrev på kalk-	heaths or calcareous grasslands	321000	Natur, tør	Nature, dry	N	-	Yes
40612000	habitat types Natura2000 habitat types	holdigt sand	Xeric sand calcareous grasslands Semi-natural dry grasslands and scrubland facies on calcareous	321000	Natur, tør	Nature, dry	N	-	Yes
40621000	Natura2000 habitat types	Kalkoverdrev	substrates (Festuco-Brometalia) Species-rich Nardus grasslands, on siliceous substrates in moun-	321000	Natur, tør	Nature, dry	N	-	Yes
40623000	Natura2000 habitat types	Surt overdrev	tain areas (and submountain areas, in Continental Europe) Molinia meadows on calcareous, peaty or clayey-silt laden soils	321000	Natur, tør	Nature, dry	N	-	Yes
40641000	Natura2000 habitat types	Tidvis våd eng Bræmmer m/ høje ur- ter langs vandløb el-	(Molinion caeruleae) Hydrophilous tall herb fringe com-	322000	Natur, våd	Nature, wet	N	-	Yes
40643000	Natura2000	ler skyggende skov- bryn	munities of plains and of the montane to alpine levels	321000	Natur, tør	Nature, dry	N	-	Yes
40711000	habitat types Natura2000	Højmose	Active raised bogs Degraded raised bogs still capable	322000	Natur, våd	Nature, wet	N	-	Yes
40712000	habitat types Natura2000	Nedbrudt højmose	of natural regeneration	322000	Natur, våd	Nature, wet	N	-	Yes
40714000	habitat types Natura2000	Hængesæk	Transition mires and quaking bogs Depressions on peat substrates of		Natur, våd	Nature, wet	N	-	Yes
40715000	habitat types Natura2000 habitat types	Tørvelavning	the Rhynchosporion Calcareous fens with Cladium mariscus and species of the	322000	Natur, våd	Nature, wet	N	-	Yes
40721000	nabitat types	Avneknippemose	Caricion davallianae	322000	Natur, våd	Nature, wet	N	-	Yes

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
	Natura2000	•	Petrifying springs with tufa			, <u>y</u>			
40722000	habitat types Natura2000	Kildevæld	formation (Cratoneurion)	322000	Natur, våd	Nature, wet	N	-	Yes
40723000	habitat types Natura2000	Rigkær	Alkaline fens Siliceous rocky slopes with	322000	Natur, våd	Nature, wet	N	-	Yes
40822000	habitat types Natura2000	Indlandsklippe	chasmophytic vegetation	321000	Natur, tør	Nature, dry	N Forest/	-	Yes
40911000	habitat types Natura2000 habitat types	Bøg på mor	Luzulo-Fagetum beech forests Atlantic acidophilous beech forests with llex and sometimes also Taxus in the shrublayer	311000	Skov	Forest	afforestation Forest/ afforestation	Broad leaf	Yes
40912000		Bøg på mor med kristtorn	(Quercinion robori-petraeae or Ilici-Fagenion)	311000	Skov	Forest		Broad leaf	Yes
	Natura2000						Forest/		
40913000	habitat types Natura2000 habitat types	Bøg på muld	Asperulo-Fagetum beech forests Medio-European limestone beech forests of the Cephalanthero-	311000	Skov	Forest	afforestation Forest/ afforestation	Broad leaf	Yes
40915000	Natura2000 habitat types	Bøg på kalk	Fagion Sub-Atlantic and medio-European oak or oakhornbeam forests of the	311000	Skov	Forest	Forest/ afforestation	Broad leaf	Yes
40916000	Natura2000	Ege-blandskov	Carpinion betuli Galio-Carpinetum oak-hornbeam	311000	Skov	Forest	Forest/	Broad leaf	Yes
40917000	habitat types Natura2000	Vinteregeskov	forests Old acidophilous oak woods with	311000	Skov	Forest	afforestation Forest/	Broad leaf	Yes
40919000	habitat types Natura2000	Stilkege-krat Skovbevoksede tør-	Quercus robur on sandy plains	311000	Skov	Forest	afforestation Forest/	Broad leaf	Yes
40999800	habitat types Natura2000	vemoser	Bog woodland Alluvial forests with Alnus gluti-	312000	Skov, våd	Forest, wet	afforestation Forest/	not defined	Yes
	habitat types	Elle- og askeskov ved vandløb, søer og	nosa and Fraxinus excelsior (Alno- Padion, Alnion incanae, Salicion				afforestation		
40999900	Topographical	væld	albae)	312000	Skov, våd Rekreativt område/	Forest, wet Recreation area/		Broad leaf	Yes
50311900	database Topographical	Rekreativt område	Recreation area	130000	sportsanlæg	sports ground	N	-	Yes
50600000	database Topographical	Land	Land	800000	Ikke kortlagt	Unmapped	N	-	No
50700000	database Topographical	Hav Teknisk areal,	Sea	420000	Hav	Sea	N	-	No
50990101	database Topographical	Affaldsanlæg Teknisk areal,	Technical area, Waste plant	124000	Andet bebyggelse	Other built up	N	-	No
50990102	database Topographical	Genbrugsplads Teknisk areal, Ener-	Technical area, Recycling depot Technical area, Energy supply	124000	Andet bebyggelse	Other built up	N	-	No
50990103	database Topographical	giforsyningsanlæg Teknisk areal,	plant	124000	Andet bebyggelse	Other built up	N	-	No
50990104	database Topographical	Solenergi Teknisk areal,	Technical area, Solar power	124000	Andet bebyggelse	Other built up	N	-	No
50990105	database	Vindmøllepark	Technical area, Wind turbine park	124000	Andet bebyggelse	Other built up	N	-	No

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
	Topographical	Teknisk areal, Tog-	Technical area,						_
50990106	database	station/rangéranlæg	Train station/rail area	150000	Jernbane	Railway	N	-	No
	Topographical	Teknisk areal, Vand-	Technical area,						
50990107	database	rensningsanlæg	Water purifying plant	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical	Teknisk areal,							
50990108	database	Vandværk	Technical area, Water board	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical	Teknisk areal,			Rekreativt område/	Recreation area /			
50990109	database	Rekreativt anlæg	Technical area, Recreation area	130000	sportsanlæg	sports ground	N	-	Yes
	Topographical	Teknisk areal,			Rekreativt område/	Recreation area /			
50990110	database	Sportsanlæg	Technical area, Sports ground	130000	sportsanlæg	sports ground	N	-	Yes
	Topographical	Teknisk areal,			Rekreativt område/	Recreation area /			
50990111	database	Golfplads	Technical area, Golf course	130000	sportsanlæg	sports ground	N	-	Yes
	Topographical	Teknisk areal,							
50990112	database	Landingsbane	Technical area, Runway	126000	Lufthavn/landingsbane	Airport / runway	N	-	No
	Topographical	Teknisk areal,							
50990113	database	Lufthavn	Technical area, Airport	126000	Lufthavn/landingsbane	Airport / runway	N	-	No
	Topographical	Teknisk areal,							
50990114	database	Materielgård	Technical area, Equipment yard	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical	Teknisk areal,							
50990115	database	Militært anlæg	Technical area, Military site	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical	Teknisk areal,							
50990116	database	Parkeringsanlæg	Technical area, Car park	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical	Teknisk areal,							
50990117	database	lkke tildelt	Technical area, Not specified	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical								
50990118	database		Technical area, Unknown	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical	Teknisk areal,							
50990119	database	Baneterræn	Technical area, Railway site	150000	Jernbane	Railway	N	-	No
	Topographical								
50990201	database	Bassin, Andet	Basin, Other	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical								
50990202	database	Bassin, Ikke tildelt	Basin, Not specified	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical	Bassin,							
50990203	database	Overløbsbassin	Basin, Overflow basin	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical	Bassin,							
50990204	database	Rensningsanlæg	Basin, Wastewater treatment plant	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical	Bassin,							
50990205	database	Svømmebassin	Basin, Swimming pool	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical								
50990206	database	Bassin, Ukendt	Basin, Unknown	124000	Andet bebyggelse	Other built up	N	-	No
	Topographical						Forest/		
50991700	database	Skov	Forest	311000	Skov	Forest	afforestation	not defined	Yes
	Topographical								
50991800	database	Hede	Heather	321000	Natur, tør	Nature, dry	N	-	Yes
E000:000	Topographical		NAC 41	000000	.	N			
50991900	database	Vådområde	Wetland	322000	Natur, våd	Nature, wet	N	-	Yes

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code		Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
50992100	Topographical database Topographical	Sand / klit	Sand / dune	321000	Natur, tør	Nature, dry	N	-	Yes
50992200	database Topographical	Råstofgrav	Ressource extraction	160000	Råstofudvinding	Resource extraction	N	-	No
50994201	database Topographical	Sø, Fiskedam	Lake, Fishpond	411000	Sø	Lake	N	-	Yes
50994202	database Topographical	Sø, Sø	Lake, Lake	411000	Sø	Lake	N	-	Yes
50994400	database Topographical	Havn	Harbour	124000	Andet bebyggelse	Other built up	N	-	No
50994601	database Topographical	Bygning, Bygning	Building, Building	110000	Bygning	Building	N	-	No
50994602	database Topographical	Bygning, Tank/Silo	Building, Tank/silo	110000	Bygning	Building	N	-	No
50994603	database Topographical	Bygning, Husbåd	Building, Houseboat	110000	Bygning	Building	N	-	No
50994604	database Topographical	Bygning, Drivhus	Building, Greenhouse	110000	Bygning	Building	N	-	No
50994605	database Topographical	Bygning, Solpanel	Building, Solar panel	110000	Bygning	Building	N	-	No
50995200	database Topographical	Bykerne	City centre	123000	Bykerne	City centre	N	-	No
50995300	database Topographical	Erhverv	Buisness	125000	Erhverv	Industry / business	N	-	No
50995400	database Topographical	Lav bebyggelse	Low built up	121000	Lav bebyggelse	Low built up	N	-	No
50995500	database Topographical	Høj bebyggelse Vandløbskant, >=12	High built up	122000	Høj bebyggelse	High built up	N	-	No
50995701	database Topographical	m bredde Vejmidte, Trafikvej-	Edge of stream, >= 12 m width	412000	Vandløb	Stream	N	-	Yes
50996311	database Topographical	Gennemfart, Befæ- stet, Motorvej Vejmidte, Trafikvej-	Road centreline, Traffic road - thoroughfare, Paved, Highway Road centreline, Traffic road -	141000	Vej, befæstet	Road, paved	N	-	No
50996312	database Topographical	Gennemfart, Befæ- stet, Motortrafikvej Vejmidte, Trafikvej-	thoroughfare, Paved, Secondary highway	141000	Vej, befæstet	Road, paved	N	-	No
50996313	database	Gennemfart, Befæ- stet, Al færdsel	Road centreline, Traffic road - thoroughfare, Paved, All traffic	141000	Vej, befæstet	Road, paved	N	-	No
50996314	Topographical database	Vejmidte, Trafikvej- Fordeling, Befæstet	Road centreline, Traffic road - distribution, Paved	141000	Vej, befæstet	Road, paved	N	-	No
50996315	Topographical database	Vejmidte, Lokalvej- Primær, Befæstet	Road centreline, Local road - primary, Paved	141000	Vej, befæstet	Road, paved	N	-	No
50996316	Topographical database	Vejmidte, Lokalvej- Sekundær, Befæstet	Road centreline, Local road - secondary, Paved	141000	Vej, befæstet	Road, paved	N	-	No

Basemap Object Code	e Source	Basemap Object Name, Danish	Basemap Object Name, English	Aggregated LULC Code	Aggregated LULC Name, Danish	Aggregated LULC Name, English	Sub-category tree cover	Leaf type	Tree cover allowed
	Topographical	Vejmidte, Lokalvej-	, ,		,	, 3		7,	
	database	Sekundær, Ubefæ-	Road centreline, Local road						
50996317		stet	- secondary, Unpaved	142000	Vej, ikke befæstet	Road, not paved	N	-	Yes
	Topographical	Vejmidte, Lokalvej-	Road centreline, Local road		•	•			
50996318	database	Tertiær, Befæstet	- tertiary, Paved	141000	Vej, befæstet	Road, paved	N	-	No
	Topographical	Veimidte, Lokalvei-	• •			, ,			
	database	Tertiær, Befæstet,	Road centreline, Local road						
50996319		Gågade	- tertiary, Paved, Pedestrian street	141000	Vej, befæstet	Road, paved	N	_	No
	Topographical	Vejmidte, Lokalvej-	Road centreline, Local road		- , ,	,,			
50996320	database	Tertiær, Übefæstet	- tertiary, Not paved	142000	Vej, ikke befæstet	Road, not paved	N	_	Yes
	Topographical	Vejmidte, Anden vej,	Road centreline, Other road,		,				
50996321	database	Befæstet	paved	141000	Vej, befæstet	Road, paved	N	_	No
	Topographical	Vejmidte, Anden vej,	Road centreline, Other road,		. 0,, 20.000.01	rioda, parod			
50996322	database	Befæstet, Gågade	paved, Pedestrian street	141000	Vej, befæstet	Road, paved	N	_	No
00000022	Topographical	Vejmidte, Anden vej,	Road centreline, Other road,	141000	voj, bolastot	rtoda, pavod	.,		110
50996323	database	Ubefæstet	Not paved	142000	Vej, ikke befæstet	Road, not paved	N	_	Yes
00000020	Topographical	Vejmidte, Indkørsels-	Not paved	142000	vej, ikke belæstet	Road, Not paved	14		103
	database	vej,							
50996324	database	Befæstet	Road centreline, Driveway, Paved	1/11000	Vej, befæstet	Road, paved	N	_	No
30330324	Topographical	Vejmidte, Indkørsels-		141000	vej, belæstet	Road, paved	IN	-	NO
50996325	database	vej, Ubefæstet	Not paved	142000	Vej, ikke befæstet	Road, not paved	N	_	Yes
50996325		vej, oberæstet	Not paved	142000	vej, ikke beræstet	Road, not paved	IN	-	res
50996401	Topographical database	Jernbane, Synlig	Railway, Visible	150000	lornhana	Railway	N		No
50996401			Railway, Visible	150000	Jernbane	Railway	IN	-	NO
E0000E04	Topographical	Vandløbsmidte,	Otros and a state line of 5 and an existence	440000	Manadlada	Otan and	N.I.		V
50996501	database	2,5 - 12 m bredde	Stream centreline, 2.5 - 12 m width	1 412000	Vandløb	Stream	N	-	Yes
50000500	Topographical	Vandløbsmidte,	0	440000	March II d	04	N.I.		V.
50996502	database	>=12 m bredde	Stream centreline, <= 12 m width	412000	Vandløb	Stream	N	-	Yes
50007004	Topographical	Startbane,	D T "" "	400000	1 61 11 11	A:			
50997001	database	Start/landing	Runway, Take off/landing	126000	Lufthavn/landingsbane	Airport / runway	N	-	No
	Topographical	- · ·							
50997002	database	Startbane, Taxivej	Runway, Taxi way	126000	Lufthavn/landingsbane	Airport / runway	N	-	No
	Topographical								
50997003	database	Startbane, Plads	Runway, Parking	126000	Lufthavn/landingsbane	Airport / runway	N	-	No
	Topographical				Rekreativt område/	Recreation area /			
50997800	database	Begravelsesområde	Burial ground	130000	sportsanlæg	sports ground	N	-	Yes
	Field block map, ag-	Markblok, ikke			Landbrug, ikke	Agriculture,			
61000000	gregated crop code	klassificeret	Field block, not classified	230000	klassificeret	not classified	N	-	Yes
	Field block map, ag-						Forest/		
61000100	gregated crop code	Markblok, skov	Field block, forest	311000	Skov	Forest	afforestation	Broad leaf	Yes
	Field block map, ag-	Markblok, intensiv,			Landbrug, intensivt,	Agriculture, intensive,			
61000200	gregated crop code	midlertidige afgrøder	Field block, periodical crop	211000	midlertidige afgrøder	temporary crops	N	-	No
	Field block map, ag-	Markblok, intensiv,	•		Landbrug, intensivt,	Agriculture, intensive,			
61000300	gregated crop code	permanente afgrøder	Field block, permanent crop	212000	permanente afgrøder	permanent crops	N	-	No
	Field block map, ag-		•		-				
61000400	gregated crop code	Markblok, ekstensiv	Field block, extensive	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
	Field block map, ag-	,	•		<u> </u>	, , , , , , , , , , , , , , , , , , ,			
61000500	gregated crop code	Markblok, væksthus	Field block, greenhouse	110000	Bygning	Building	N	_	No
	<u> </u>	,	, 0		, , , ,	U			

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category	/	Tree cover
Object Cod	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
		·			Landbrug, intensivt,	Agriculture, intensive,			
70000100	Field parcel map	Vårbyg	Spring barley	211000	midlertidige afgrøder	temporary crops	N	_	No
		1 1,3	-1 37		Landbrug, intensivt,	Agriculture, intensive,			
70000200	Field parcel map	Vårhvede	Spring wheat	211000	midlertidige afgrøder	temporary crops	N	_	No
. 0000200		14	opinig mieat		Landbrug, intensivt,	Agriculture, intensive,			
70000300	Field parcel map	Vårhavre	Oat	211000	midlertidige afgrøder	temporary crops	N	_	No
7000000	r ioia paroor map	Blanding af vårsåede	Gui	211000	Landbrug, intensivt,	Agriculture, intensive,			110
70000400	Field parcel map	kornarter	Other spring cereal	211000	midlertidige afgrøder	temporary crops	N	_	No
70000400	i leiu parcei map	Korriartei	Other spring cerear	211000	Landbrug, intensivt,	Agriculture, intensive,		_	NO
70000500	Field parcel map	Majs til modenhed	Maize to maturity	211000	midlertidige afgrøder	temporary crops	N		No
70000500	rielu parcei iliap	Majs tii moderined	Maize to maturity	211000				-	INO
70000000	Field nereal men	\/* "b.; o.do. b." ~ db.; o.do	Carina wheat again	044000	Landbrug, intensivt,	Agriculture, intensive,			Na
70000600	Field parcel map		Spring wheat, near cereal	211000	midlertidige afgrøder	temporary crops	N	-	No
70000700	5 .11	Korn + bælgsæd un-	0	044000	Landbrug, intensivt,	Agriculture, intensive,			NI.
70000700	Field parcel map	der 50% bælgsæd	Cereal/pulse, max. 50% pulse	211000	midlertidige afgrøder	temporary crops	N	-	No
	-				Landbrug, intensivt,	Agriculture, intensive,			
70000800	Field parcel map	Vårspelt	Spring spelt	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70000900	Field parcel map	Vinterspelt	Wither spelt	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70001000	Field parcel map	Vinterbyg	Winter barley	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70001100	Field parcel map	Vinterhvede	Winter wheat	211000	midlertidige afgrøder	temporary crops	N	-	No
		Vinterhvede,			Landbrug, intensivt,	Agriculture, intensive,			
70001300	Field parcel map	brødhvede	Wither wheat, near cereal	211000	midlertidige afgrøder	temporary crops	N	-	No
			·		Landbrug, intensivt,	Agriculture, intensive,			
70001400	Field parcel map	Vinterrug	Winter rye	211000	midlertidige afgrøder	temporary crops	N	_	No
		3	, ,		Landbrug, intensivt,	Agriculture, intensive,			
70001500	Field parcel map	Vinterhybridrug	Hybrid rye	211000	midlertidige afgrøder	temporary crops	N	_	No
			,		Landbrug, intensivt,	Agriculture, intensive,			
70001600	Field parcel map	Vintertriticale	Winter triticale	211000	midlertidige afgrøder	temporary crops	N	_	No
70001000	r ioia paroor map	Blanding af efterårs-	vinter titledic	211000	Landbrug, intensivt,	Agriculture, intensive,			110
70001700	Field parcel map	såede kornarter	Other winter cereals	211000	midlertidige afgrøder	temporary crops	N	_	No
70001700	i leiu parcei map	Korn og bælgsæd	Cereal and pulse seed	211000	Landbrug, intensivt,	Agriculture, intensive,			NO
70001900	Field persol man			211000					No
70001800	Field parcel map	(over 50 % bælgsæd)	(> 50 % puise seed)	211000	midlertidige afgrøder	temporary crops	N	-	INO
70000400	Field nereal men	\/*****	Carina rone	044000	Landbrug, intensivt,	Agriculture, intensive,			Na
70002100	Field parcel map	Vårraps	Spring rape	211000	midlertidige afgrøder	temporary crops	N	-	No
7000000	-	N.C. 1	NAC .	0.1.1.000	Landbrug, intensivt,	Agriculture, intensive,			
70002200	Field parcel map	Vinterraps	Winter rape	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70002400	Field parcel map	Solsikke	Sunflower	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70002500	Field parcel map	Sojabønner	Soy bean	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70003000	Field parcel map	Ærter	Pea	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70003100	Field parcel map	Hestebønner	Broad bean	211000	midlertidige afgrøder	temporary crops	N	-	No

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
					Landbrug, intensivt,	Agriculture, intensive,			
70003200	Field parcel map	Sødlupin Bælgsæd, andre	Lupine	211000	midlertidige afgrøder	temporary crops	N	-	No
		typer til modenhed			Landbrug, intensivt,	Agriculture, intensive,			
70003600	Field parcel map	blanding	Other pulse seed to maturity	211000	midlertidige afgrøder	temporary crops	N	-	No
		3	,		Landbrug, intensivt,	Agriculture, intensive,			
70004000	Field parcel map	Oliehør	Flax grown as an oilseed crop	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70004200	Field parcel map	Hamp	Hemp	211000	midlertidige afgrøder	temporary crops	N	-	No
		Blanding bredbladet	·		Landbrug, intensivt,	Agriculture, intensive,			
70005100	Field parcel map	afgrøde, frø/kerne	Mixture of wide-leaf crops	211000	midlertidige afgrøder	temporary crops	N	-	No
			•		Landbrug, intensivt,	Agriculture, intensive,			
70005200	Field parcel map	Quinoa	Quinoa	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70005300	Field parcel map	Boghvede	Buckwheat	211000	midlertidige afgrøder	temporary crops	N	-	No
		_			Landbrug, intensivt,	Agriculture, intensive,			
70005400	Field parcel map	Bælgsæd blanding	Pulse seed, mixture	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70005500	Field parcel map	Vårrug	Spring rye	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70005600	Field parcel map	Vårtriticale	Spring triticale	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70005700	Field parcel map	Vinterhavre	Winter oat	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70005800	Field parcel map	Sorghum	Sorghum	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70010100	Field parcel map	Rajgræsfrø, alm.	Rai grass seed	211000	midlertidige afgrøder	temporary crops	N	-	No
		Rajgræsfrø, alm. 1.			Landbrug, intensivt,	Agriculture, intensive,			
70010200	Field parcel map	år, efterårsudlagt	Rai grass seed, fall planted	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70010300	Field parcel map	Rajgræsfrø, ital.	Italian rai grass seed	211000	midlertidige afgrøder	temporary crops	N	-	No
		Rajgræsfrø, ital. 1. år			Landbrug, intensivt,	Agriculture, intensive,			
70010400	Field parcel map	efterårsudlagt	Italian rai grass seed, fall planted	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70010500	Field parcel map	Timothefrø	Timothy seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70010600	Field parcel map	Hundegræsfrø	Orchard grass seed	211000	midlertidige afgrøder	temporary crops	N	-	No
			_		Landbrug, intensivt,	Agriculture, intensive,			
70010700	Field parcel map	Engsvingelfrø	Fescue grass seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70010800	Field parcel map	Rødsvingelfrø	Red fescue seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70010900	Field parcel map	Rajsvingelfrø	Festulolium	211000	midlertidige afgrøder	temporary crops	N	-	No
7004:000		0 1 1/1 11 11 11	0.77	044000	Landbrug, intensivt,	Agriculture, intensive,			
70011000	Field parcel map	Svingelfrø, stivbladet	Stiff-leaved festuca seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70011100	Field parcel map	Svingelfrø, strand	Festuca littorea seed	211000	midlertidige afgrøder	temporary crops	N	-	No

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category	1	Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
		Engrapgræsfrø	Smooth meadow grass seed		Landbrug, intensivt,	Agriculture, intensive,			
70011200	Field parcel map	(marktype)	(field type)	211000	midlertidige afgrøder	temporary crops	N	_	No
	o.a paroorap	Engrapsgræsfrø	Smooth meadow grass seed		Landbrug, intensivt,	Agriculture, intensive,			
70011300	Field parcel map	(plænetype)	(lawn type)	211000	midlertidige afgrøder	temporary crops	N	_	No
	o.a paroorap	(p.eeet)pe)	(Landbrug, intensivt,	Agriculture, intensive,			
70011400	Field parcel map	Rapgræsfrø, alm.	Meadow grass seed	211000	midlertidige afgrøder	temporary crops	N	_	No
70011400	r ioia paroor map	Hvenefrø, alm. og	Woudow grass seed	211000	Landbrug, intensivt,	Agriculture, intensive,			140
70011500	Field parcel map	krybende	Brown top/bent grass seed	211000	midlertidige afgrøder	temporary crops	N	_	No
70011300	i icia parcei map	Riyberide	Brown top/bent grass seed	211000	Landbrug, intensivt,	Agriculture, intensive,			140
70011600	Field parcel map	Rajgræs, hybrid	Rai grass, hybrid	211000	midlertidige afgrøder	temporary crops	N	_	No
70011000	r icia parcei map	Rajgræs, efterårsudl.	rtai giass, hybria	211000	Landbrug, intensivt,	Agriculture, intensive,			140
70011700	Field parcel map	hybrid	Rai grass seed, fall planted, hybrid	211000	midlertidige afgrøder	temporary crops	N	_	No
70011700	i leiu parcei map	Rajsvingelfrø,	rtai giass seed, iaii pianted, nybrid	211000	Landbrug, intensivt,	Agriculture, intensive,		_	INO
70011800	Field parcel map	efterårsudlagt	Festulolium, autumn planted	211000	midlertidige afgrøder	temporary crops	N		No
70011000	i ieiu paicei iliap	enerarsudiagi	i estulolium, autumn planteu	211000	Landbrug, intensivt,	Agriculture, intensive,		-	INO
70012000	Field parcel map	Kløverfrø	Clover seed	211000	midlertidige afgrøder	•	N		No
70012000	rielu parcei iliap	Græsmarks-	Clovel Seed	211000		temporary crops		-	INO
70012100	Field percel man		Cross field pulses	211000	Landbrug, intensivt,	Agriculture, intensive,	N		No
70012100	Field parcel map	bælgplanter	Grass field pulses	211000	midlertidige afgrøder	temporary crops		-	INO
70040000	Field servel sees	I/	0	044000	Landbrug, intensivt,	Agriculture, intensive,			NI-
70012200	Field parcel map	Kommenfrø	Caraway seed	211000	midlertidige afgrøder	temporary crops	N	-	No
70040000	-		5	044000	Landbrug, intensivt,	Agriculture, intensive,			
70012300	Field parcel map	Valmuefrø	Poppy seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70012400	Field parcel map	Spinatfrø	Spinach seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70012500	Field parcel map	Bederoefrø	Beet seed	211000	midlertidige afgrøder	temporary crops	N	-	No
		Blanding af markfrø			Landbrug, intensivt,	Agriculture, intensive,			
70012600	Field parcel map	til udsæd	Other seed for sowing	211000	midlertidige afgrøder	temporary crops	N	-	No
		Kartofler, lægge-			Landbrug, intensivt,	Agriculture, intensive,			
70014900	Field parcel map	(certificerede)	Seed potato (certified)	211000	midlertidige afgrøder	temporary crops	N	-	No
		Kartofler, lægge-			Landbrug, intensivt,	Agriculture, intensive,			
70015000	Field parcel map	(egen opformering)	Seed potato (own generation)	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70015100	Field parcel map	Kartofler, stivelses-	Starch potato	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70015200	Field parcel map	Kartofler, spise-	Potato for consumption	211000	midlertidige afgrøder	temporary crops	N	-	No
		Kartofler, spise- (pro-	Potato for consumption		Landbrug, intensivt,	Agriculture, intensive,			
70015400	Field parcel map	ces, skrællet kogte)	(process, peeled boiled)	211000	midlertidige afgrøder	temporary crops	N	-	No
		Kartofler,	Potato for consumption		Landbrug, intensivt,	Agriculture, intensive,			
70015500	Field parcel map	pulver/granules-	(powder/granules)	211000	midlertidige afgrøder	temporary crops	N	-	No
		Kartofler,							
		friteret/chips/pommes	Potato for consumption		Landbrug, intensivt,	Agriculture, intensive,			
70015600	Field parcel map	frites	(fried/chips)	211000	midlertidige afgrøder	temporary crops	N	-	No
	a a Last and streetly		7 1 1	-	Landbrug, intensivt,	Agriculture, intensive,			-
70016000	Field parcel map	Sukerroer til fabrik	Beet for industry	211000	midlertidige afgrøder	temporary crops	N	-	No
	L		,		Landbrug, intensivt,	Agriculture, intensive,			-
70016100	Field parcel map	Cikorierødder	Chicory root	211000	midlertidige afgrøder	temporary crops	N	_	No
. 50 . 5 . 50	cia paroormap	J.//O11012 GGO1	JJ. 1001		a.or daige arginador	.ciporary oropo	• •		

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category	,	Tree cover
Object Code	e Source		Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
		Blanding, andre	, 5		Landbrug, intensivt,	Agriculture, intensive,		71	
70016200	Field parcel map	industriafgr.	Other crop/root crop for industry	211000	midlertidige afgrøder	temporary crops	N	-	No
		Græs til fabrik			Landbrug, intensivt,	Agriculture, intensive,			
70017000	Field parcel map	(omdrift)	Grass/clover for industry	211000	midlertidige afgrøder	temporary crops	N	_	No
70017000	r ioia parcor map	(Giriaint)	Lucerne for harvest and own fod-	211000	Landbrug, intensivt,	Agriculture, intensive,			110
70017100	Field parcel map	Lucerne, slæt	der	211000	midlertidige afgrøder	temporary crops	N	_	No
70017100	r leiu parcei map	Lucernegræs, over		211000		. , .	IN	-	NO
			Lucerne for harvest and own fod-		Landbrug, intensivt,	Agriculture, intensive,			
70017200	Field parcel map	inkl. eget foder	der, min. 25% grass	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70017300	Field parcel map	Kløver til slæt	Clover for harvest	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70017400	Field parcel map	Kløvergræs til fabrik	Clover for industry	211000	midlertidige afgrøder	temporary crops	N	-	No
		9	•		Landbrug, intensivt,	Agriculture, intensive,			
70018000	Field parcel map	Gul sennep	White mustard	211000	midlertidige afgrøder	temporary crops	N	_	No
1001000	r ioia parcor map	Cui comiop	Willo Madiara	211000	Landbrug, intensivt,	Agriculture, intensive,			110
70018200	Field parcel map	Blanding af oliearter	Mixture of oil seeds	211000	midlertidige afgrøder	temporary crops	N	_	No
70010200	r leid parcer map	Diariding at dileater	Wilkture of oil seeds	211000	Landbrug, intensivt,	Agriculture, intensive,	IN		INO
70021000	Field percel man	Vårbya bolomd	Caring harlow whole area	211000	midlertidige afgrøder	_	NI		No
70021000	Field parcel map	Vårbyg, helsæd	Spring barley, whole crop	211000		temporary crops	N	-	INO
70004400	-			044000	Landbrug, intensivt,	Agriculture, intensive,			
70021100	Field parcel map	Vårhvede, helsæd	Spring wheat, whole crop	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70021200	Field parcel map	Vårhavre, helsæd	Oat, whole crop	211000	midlertidige afgrøder	temporary crops	N	-	No
		Blandkorn, vårsået,			Landbrug, intensivt,	Agriculture, intensive,			
70021300	Field parcel map	helsæd	Dredge corn, spring planted	211000	midlertidige afgrøder	temporary crops	N	-	No
		Korn og bælgsæd,							
		helsæd, under 50%	Cereal, pulse, whole crop max.		Landbrug, intensivt,	Agriculture, intensive,			
70021400	Field parcel map	bælgsæd	50% pulse	211000	midlertidige afgrøder	temporary crops	N	-	No
		_	·		Landbrug, intensivt,	Agriculture, intensive,			
70021500	Field parcel map	Ærtehelsæd	Pea, whole crop	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70021600	Field parcel map	Silomais	Silo maize	211000	midlertidige afgrøder	temporary crops	N	_	No
. 002.000		Korn og bælgsæd,			a.ca.ge a.g. 2 ac.	temperary crops			
		helsæd (over 50 %	Cereal and pulse seed, whole crop	1	Landbrug, intensivt,	Agriculture, intensive,			
70021700	Field parcel map	bælgsæd)	(> 50 % pulse seed)	211000	midlertidige afgrøder	temporary crops	N	_	No
10021100	i iciu parcei iliap	bæigsæu)	(> 50 % puise seeu)	211000	Landbrug, intensivt,	Agriculture, intensive,			140
70022000	Field percel man	Vintarbya balama	Winter harley, whole aren	211000	midlertidige afgrøder	_			No
70022000	Field parcel map	Vinterbyg, helsæd	Winter barley, whole crop	211000		temporary crops	N	-	INO
70000400	- :		14.6 d	044000	Landbrug, intensivt,	Agriculture, intensive,			
70022100	Field parcel map	Vinterhvede, helsæd	Winter wheat, whole crop	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70022200	Field parcel map	Vinterrug, helsæd	Winter rye, whole crop	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70022300	Field parcel map		Winter triticale, whole crop	211000	midlertidige afgrøder	temporary crops	N	-	No
		Blanding af vårkorn,			Landbrug, intensivt,	Agriculture, intensive,			
70023000	Field parcel map	grønkorn	Spring cereal, green grain	211000	midlertidige afgrøder	temporary crops	N	-	No

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
		Korn og bælgsæd,							
		grønkorn, under 50%	Cereal/pulse, green grain. max.		Landbrug, intensivt,	Agriculture, intensive,			
70023400	Field parcel map	bælgsæd	50% pulse	211000	midlertidige afgrøder	temporary crops	N	-	No
		Blanding af vinter-	·		Landbrug, intensivt,	Agriculture, intensive,			
70023500	Field parcel map	korn, grønkorn	Winter cereal, green grain	211000	midlertidige afgrøder	temporary crops	N	_	No
		Miljøgræs MVJ-til-	Environmental grass (0 N), in rota-		3	, , , .			
70024700	Field parcel map	sagn (0 N), omdrift	tion	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
		Permanent græs,			3, 1 - 1 - 1	3			
70025000	Field parcel map	meget lavt udbytte	Permanent grass, very low yield	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
. 002000		Permanent græs, lavt			_anastag, onetenent	, ig. iounui o, omonono			. 00
70025100	Field parcel map	udbytte	Permanent grass, low yield	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
. 0020.00		Permanent græs,	r ermanem graee, ien yiena		_anastag, onetenent	, ig. iounui o, omonono			. 00
70025200	Field parcel map	normalt udbytte	Permanent grass, normal yield	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
. 0020200		Miljøgræs MVJ-til-	Environmental grass (max 80 ton		=a.ras.ag, s.tsterierri	, ig. iounui o, omonono	• •		
70025300	Field parcel map	sagn (80 N), omdrift	N)	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
.0020000	r ioia parcor map	Miljøgræs MVJ-til-	,	220000	Landsrag, oneteriore	, ignocatoro, oxionoro			. 00
		sagn (0 N), perma-							
70025400	Field parcel map	nent	Environmental grass (0 N)	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
7 0020 100	r ioia parcor map	Permanent græs,	Environmental grade (6 11)	220000	Landsrag, onetenert	, ignocatoro, oxionoro			. 00
		under 50% kløver/							
70025500	Field parcel map	lucerne	Permanent grass, <50% clover	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
70020000	r ioia paroor map	Permanent kløver-	Territarion grado, 400 /0 010 voi	220000	Editabrag, exoteriore	rigiliatials, exteriore	.,		100
		græs, over 50%							
70025600	Field parcel map	kløver/lucerne	Permanent grass, >50% clover	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
70023000	r icia paroci map	Permanent græs,	1 cilianent grass, 20070 clover	220000	Landbrug, Chotcholvt	rigilicalitate, extensive	14		103
70025700	Field parcel map	uden kløver	Permanent grass, no clover	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
70023700	r icia paroci map	Permanent græs,	Permanent grass for industry, min.		Landbrug, Chatchairt	rigilicalitate, extensive	14		103
70025900	Field parcel map	fabrik, over 6 tons	6 tons yield	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
70023300	r icia paroci map	Græs med kløver/	o torio yiela	220000	Landbrug, Chatchairt	rigilicalitate, extensive	14		103
		lucerne, under 50 %			Landbrug, intensivt,	Agriculture, intensive,			
70026000	Field parcel map	bælgpl. (omdrift)	Clover grass, <50% clover	211000	midlertidige afgrøder	temporary crops	N	_	No
70020000	r leid parcer map	Kløvergræs, over	Clovel glass, <50% clovel	211000	Landbrug, intensivt,	Agriculture, intensive,	IN		INO
70026100	Field parcel map	50% kløver (omdrift)	Clover grass, >50% clover	211000	midlertidige afgrøder	temporary crops	N	_	No
70020100	r leid parcer map	Lucerne, lucerne-	Clovel glass, 200% clovel	211000	midlertidige argrøder	temporary crops	IN		INO
		græs, over 50%	Lucerne, lucerne grass >50% lu-		Landbrug, intensivt,	Agriculture, intensive,			
70026200	Field parcel map	lucerne (omdrift)	cerne	211000	midlertidige afgrøder	temporary crops	N	_	No
70020200	r leid parcer map	Græs uden kløver-	ceme	211000	Landbrug, intensivt,	Agriculture, intensive,	IN	_	NO
70026300	Field parcel map	græs (omdrift)	Grass without clover	211000	midlertidige afgrøder	temporary crops	N	_	No
70020300	r leid parcer map	Græs og kløvergræs	Grass without clover	211000	midlertidige argrøder	temporary crops	IN	_	INO
		uden norm, under 50	Grass and clover grass without N-		Landbrug, intensivt,	Agriculture, intensive,			
70026400	Field parcel map	% kløver (omdrift)	norm	211000	midlertidige afgrøder	temporary crops	N	_	No
70020400	i ioiu parcei map	Græs under 50% klø-		211000	maler lidige argreder	temperary crops	14		140
			Grass <50% clover, extremely low		Landbrug, intensivt,	Agriculture, intensive,			
70026600	Field parcel map	lavt udbytte (omdrift)		211000	midlertidige afgrøder	temporary crops	N	_	No
10020000	i ieiu paitei iiiap	Græs under 50%	yiciu	211000	הווטופונוטוטפ מוטושטפו	comporary crops	14	•	INO
		kløver/lucerne, meget	•		Landbrug, intensivt,	Agriculture, intensive,			
70026700	Field parcel map		Grass <50% clover, very low yield	211000	midlertidige afgrøder	temporary crops	N	_	No
10020100	i ieiu paitei iiiap	iavi uubylle (Ulliullil)	Grass Cours Glover, very low yield	Z11000	muleriluige algibuel	temporary crops	IN	-	INU

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
		Græs under 50%							
		kløver/lucerne, lavt			Landbrug, intensivt,	Agriculture, intensive,			
70026800	Field parcel map	udbytte (omdrift)	Grass <50% clover, low yield	211000	midlertidige afgrøder	temporary crops	N	-	No
7000000	-	0 "	- ,	0.1.1.000	Landbrug, intensivt,	Agriculture, intensive,			
70026900	Field parcel map	Græs, rullegræs	Turf	211000	midlertidige afgrøder	temporary crops	N	-	No
70027000	Field percel man	Græs til udegrise, omdrift	Cross for suitdeer pige in retation	211000	Landbrug, intensivt,	Agriculture, intensive,	N		No
	Field parcel map	omanii	Grass for outdoor pigs, in rotation		midlertidige afgrøder	temporary crops	IN	-	NO
70027100	Field parcel map	Rekreative formål	Areas for recreation purposes	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
		Permanent græs til			Landbrug, intensivt,	Agriculture, intensive,			
70027200	Field parcel map	fabrik	Permanent grass for industry	211000	midlertidige afgrøder	temporary crops	N	-	No
		Permanent lucerne til							
70027300	Field parcel map	fabrik	Permanent lucerne for industry	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
		Permanent lucerne-	5						
70007400	Ciald against asset		Permanent lucerne, min 25% for	000000	Landhara alatandist	A	N.I.		V
70027400	Field parcel map	til fabrik	industry	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
		Permanent græs og							
		kløvergræs uden norm, under 50 %	Permanent grass/clover grass						
70027600	Field parcel map	kløver	without N-norm, <50% clover	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
70027000	r leid parcer map	Permanent kløver til	Without N-Horrit, <50 /6 Clover	220000	Landbrug, eksterisivi	Agriculture, exterisive	IN	_	163
70027700	Field parcel map	fabrik	Permanent clover for industry	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
70027700	riola parcorillap	Permanent lucerne	r officiality sloves for inadelly	220000	Larrabiag, energinery	rigiliation, exteriore			. 00
		og lucernegræs over	Permanent grass and lycerne						
70027800	Field parcel map	50% lucerne	grass >50% lucerne	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
		Permanent græs til	3		3,	J			
70027900	Field parcel map	fabrik	Permanent grass for industry	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
					Landbrug, intensivt,	Agriculture, intensive,			
70028000	Field parcel map	Fodersukkerroer	Sugar cane, fodder	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70028100	Field parcel map	Kålroer	Swede	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70028200	Field parcel map	Fodermarvkål	Marrow-stem kale	211000	midlertidige afgrøder	temporary crops	N	-	No
		Græs med vikke og			Landlenia interactivi	A			
70000400	Field neveel man	andre bælgplanter,	Cross with ruless . FO 0/ ruless	044000	Landbrug, intensivt,	Agriculture, intensive,	NI		No
70028400	Field parcel map	under 50 % bælgpl.	Grass with pulses, >50 % pulses	211000	midlertidige afgrøder	temporary crops	N	-	No
		Græs og kløvergræs uden norm, over 50	Grass and clover without N-norm.		Landbrug, intensivt,	Agriculture, intensive,			
70028500	Field parcel map	% kløver (omdrift)	>50 % clover (in rotation)	211000	midlertidige afgrøder	temporary crops	N	_	No
70020300	r leid parcer map	Permanent græs og	230 76 clover (in rotation)	211000	midlertidige argiøder	temporary crops	IN	_	NO
		kløvergræs uden							
		norm, over 50 %	Permanent grass and clover grass						
70028600	Field parcel map	kløver	wihtout N-norm, >50 % clover	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
	F	Græs til udegrise,	, 20,000	-		g ,			
70028700	Field parcel map	permanent	Grass for outdoor pigs, permanent	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes

Basemap Object Code	Source	Basemap Object Name, Danish	Basemap Object Name, English	Aggregated LULC Code	Aggregated LULC Name, Danish	Aggregated LULC Name, English	Sub-category tree cover	Leaf type	Tree cover allowed
Object Code	e Source	Permanent græs,	Permanent grass without payment	LULC Code	Name, Danish	Mame, English	tree cover	Lear type	allowed
70030500	Field parcel map	uden udbetaling af økologi-tilskud Græs i omdrift, uden	of subsidies for organic manage- ment Rotational grass without payment	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70030600	Field parcel map	udbetaling af økologi- tilskud	of subsidies for organic manage- ment Environmental focus area with fal-	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70030800	Field parcel map	MFO-Slåningsbrak	low for mowing	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70031000	Field parcel map	Slåningsbrak Skovrejsning på tidl.	Fallow for mowing Afforestation on former agricultural	220000	Landbrug, ekstensivt	Agriculture, extensive	N Forest/	-	Yes
70031100	Field parcel map	landbrugsjord 1	land	311000	Skov	Forest	afforestation	not defined	Yes
70031200	Field parcel map	20-årig udtagning 20-årig udtagning af	20 years set-aside	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70031300	Field parcel map	agerjord med frivillig skovrejsning Vådområder eller lav-	20 years set-aside with voluntary afforestation	311000	Skov	Forest	Forest/ afforestation	not defined	Yes
70031600	Field parcel map	bundsjorde med udtagning Vådområder med	Wetland or low-lying areas with set-aside	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70031700	Field parcel map	udtagning MVJ ej udtagning, ej	Wetland for set-aside Agri-envrionmental scheme, not	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70031800	Field parcel map	landbrugsjord MFO Vådområder	agricultural land	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70031900	Field parcel map	eller lavbundsjorde med udtagning Miljøtiltag, ej land-	Agri-envrionmental scheme, not agricultural land Environmental initiative, not agri-	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70032100	Field parcel map	brugsarealer Minivådområder, pro-	cultural land	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70032200	Field parcel map	jekttilsagn	Mini wetland, approved	220000	Landbrug, ekstensivt Landbrug, intensivt,	Agriculture, extensive Agriculture, intensive,	N	-	Yes
70032400	Field parcel map	Blomsterbrak	Flower fallow Environmental focus area with	211000	midlertidige afgrøder Landbrug, intensivt,	temporary crops Agriculture, intensive,	N	-	No
70032500	Field parcel map	MFO-Blomsterbrak MFO-bræmme,	flower fallow Environmental focus area, fringe	211000	midlertidige afgrøder Landbrug, intensivt,	temporary crops Agriculture, intensive,	N	-	No
70032700	Field parcel map	sommerslåning MFO-bræmme med	with summer mowing Environmental focus area, fringe	211000	midlertidige afgrøder Landbrug, intensivt,	temporary crops Agriculture, intensive,	N	-	No
70032800	Field parcel map	blomsterblanding MFO-bræmme,	with flower mix Environmental focus area, fringe	211000	midlertidige afgrøder Landbrug, intensivt,	temporary crops Agriculture, intensive,	N	-	No
70032900	Field parcel map	miljøtilsagn	with environmental approval	211000	midlertidige afgrøder	temporary crops	N	-	No
70033400	Field parcel map	MFO-bræmme, forårsslåning MFO-bræmme,	Environmental focus area, fringe with spring mowing Environmental focus area, fringe	211000	Landbrug, intensivt, midlertidige afgrøder	Agriculture, intensive, temporary crops	N	-	No
70033500	Field parcel map	permanent græs, forårsslåning	with with permanent grass, spring mowing	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes

Basemap	. 0	Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category	1 (1	Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
70033600	Field parcel map	MFO-bræmme, permanent græs, sommerslåning	Environmental focus area, fringe with with permanent grass, summer mowing	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70033700	Field parcel map	MFO-bræmme, permanent græs, mil- jøtilsagn	Environmental focus area, fringe with with permanent grass, environmental approval	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70033800	Field parcel map	Brak, forårsslåning MFO-brak, forårsslå-	Fallow, spring mowing Environmental focus area, fallow,	211000	Landbrug, intensivt, midlertidige afgrøder Landbrug, intensivt,	Agriculture, intensive, temporary crops Agriculture, intensive,	N	-	No
70033900	Field parcel map	ning	spring mowing	211000	midlertidige afgrøder Landbrug, intensivt,	temporary crops Agriculture, intensive,	N	-	No
70034200	Field parcel map	Bestøverbrak	Pollinator fallow Environmental focus area,	211000	midlertidige afgrøder Landbrug, intensivt,	temporary crops Agriculture, intensive,	N	-	No
70034300	Field parcel map	MFO-bestøverbrak Brak langs vandløb	pollinator fallow	211000	midlertidige afgrøder	temporary crops	N	-	No
70034400	Field parcel map	(alternativ til efter- afgrøder) Brak langs vandløb	Fallow along water courses and lakes, spring mowing (altenative to catch crops) Fallow along water courses and	211000	Landbrug, intensivt, midlertidige afgrøder	Agriculture, intensive, temporary crops	N	-	No
70034500	Field parcel map	og søer, sommerslå- ning (alternativ til ef- terafgrøder) Brak, sommerslåning	lakes, summer mowing (altenative to catch crops)	211000	Landbrug, intensivt, midlertidige afgrøder	Agriculture, intensive, temporary crops	N	-	No
70034600	Field parcel map	(til målrettet kvælstof- regulering) Brak, forårsslåning (til	Fallow, summer mowing (altenative to catch crops)	211000	Landbrug, intensivt, midlertidige afgrøder	Agriculture, intensive, temporary crops	N	-	No
70034700	Field parcel map	målrettet kvælstofre- gulering) Brak langs vandløb	Fallow, spring mowing (altenative to catch crops)	211000	Landbrug, intensivt, midlertidige afgrøder	Agriculture, intensive, temporary crops	N	-	No
70034800	Field parcel map	(til målrettet kvælstof- regulering) Brak langs vandløb	Fallow along water courses and lakes, spring mowing (for targeted nitrogen regulation)	211000	Landbrug, intensivt, midlertidige afgrøder	Agriculture, intensive, temporary crops	N	-	No
70034900	Field parcel map	og søer, sommerslå- ning (til målrettet kvælstofregulering) Ikke støtteberettiget	Fallow along water courses and lakes, summer mowing (for targeted nitrogen regulation) Agricultural land, not eligible	211000	Landbrug, intensivt, midlertidige afgrøder	Agriculture, intensive, temporary crops	N	-	No
70036100	Field parcel map	landbrugsareal	for subsidies	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
70040000	Field parcel map	Asier	Gherkins	211000	Landbrug, intensivt, midlertidige afgrøder Landbrug, intensivt,	Agriculture, intensive, temporary crops Agriculture, intensive,	N	-	No
70040100	Field parcel map	Asparges	Asparagus	211000	midlertidige afgrøder Landbrug, intensivt,	temporary crops Agriculture, intensive,	N	-	No
70040200	Field parcel map	Bladselleri	Celery	211000	midlertidige afgrøder Landbrug, intensivt,	temporary crops Agriculture, intensive,	N	-	No
70040300	Field parcel map	Blomkål	Cauliflower	211000	midlertidige afgrøder	temporary crops	N	-	No

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
					Landbrug, intensivt,	Agriculture, intensive,			
70040400	Field parcel map	Broccoli	Broccoli	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70040500	Field parcel map	Courgette, squash	Courgette, squash	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70040600	Field parcel map	Grønkål	Borecole	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70040700	Field parcel map	Gulerod	Carrot	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70040800	Field parcel map	Hvidkål	Cabbage	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70040900	Field parcel map	Kinakål	Chinese cabbage	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70041000	Field parcel map	Knoldselleri	Celeriac, turnip-rooted celery	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70041100	Field parcel map	Løg	Onion	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70041200	Field parcel map	Pastinak	Parsnip	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70041300	Field parcel map	Rodpersille	Hamburg parsley	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70041500	Field parcel map	Porre	Leek	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70041600	Field parcel map	Rosenkål	Sprouts	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70041700	Field parcel map	Rødbede	Beetroot	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70041800	Field parcel map	Rødkål	Red cabbage	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70042000	Field parcel map	Salat (friland)	Salad, outdoors	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70042100	Field parcel map	Savoykål, spidskål	Savoy cabbage, pointed cabbage	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70042200	Field parcel map	Spinat	Spinach	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70042300	Field parcel map	Sukkermajs	Sweet corn	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70042400	Field parcel map	Ærter, konsum	Peas for consumption	211000	midlertidige afgrøder	temporary crops	N	-	No
			Jerusalem artichoke for		Landbrug, intensivt,	Agriculture, intensive,			
70042900	Field parcel map	Jordskokker, konsum	consumption	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70043000	Field parcel map	Bladpersille	Leaf parsley	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70043100	Field parcel map	Purløg	Chive	211000	midlertidige afgrøder	temporary crops	N	-	No
		Krydderurter							
		(undtagen persille og			Landbrug, intensivt,	Agriculture, intensive,			
70043200	Field parcel map	purløg)	Herb, aromatic plant, with subsidy	211000	midlertidige afgrøder	temporary crops	N	-	No

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
<u> </u>		Grøntsager, andre			Landbrug, intensivt,	Agriculture, intensive,			
70043400	Field parcel map	(friland)	Vegetable, other, outdoors	211000	midlertidige afgrøder	temporary crops	N	-	No
		Medicinplanter,	Medicine plant, annual and		Landbrug, intensivt,	Agriculture, intensive,			
70044800	Field parcel map	en- og toårige	biennial	211000	midlertidige afgrøder	temporary crops	N	-	No
	, ,	Medicinplanter,			Landbrug, intensivt,	Agriculture, intensive,			
70044900	Field parcel map	stauder	Medicine plant, perennial	212000	permanente afgrøder	permanent crops	N	-	No
		Grøntsager,	3,7		Landbrug, intensivt,	Agriculture, intensive,			
70045000	Field parcel map	blandinger	Vegetable, other	211000	midlertidige afgrøder	temporary crops	N	-	No
		Hønsegård uden	Chicken yard without		Landbrug, intensivt,	Agriculture, intensive,			
70048600	Field parcel map	plantedække	vegetation cover	212000	permanente afgrøder	permanent crops	N	_	No
		,			h announce and an area	p 0	Forest/		
70048700	Field parcel map	Skovlandbrug	Agroforestry	311000	Skov	Forest	afforestation	not defined	Yes
	o.a paroorap	Hønsegård,	, ig. 5.5. 55t. y	0000	C.I.O.	. 0.001	a		
70048800	Field parcel map	permanent græs	Chicken yard, permanent grass	220000	Landbrug, ekstensivt	Agriculture, extensive	N	_	Yes
700 10000	r ioia paroor map	pormanoni graco	emonen yara, permanent grace	220000	Landbrug, intensivt,	Agriculture, intensive,			100
70048900	Field parcel map	Havtorn	Buckthorn	212000	permanente afgrøder	permanent crops	N	_	No
700-10000	i ioia parooi iiiap	Hassel, træ	Buokinom	212000	Landbrug, intensivt,	Agriculture, intensive,			140
70049000	Field parcel map	(Corylus avellana)	Hazel, tree (Corylus avellana)	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70043000	i leiu parcei map	(Corylus aveilaria)	riazei, tiee (Corylus avellaria)	212000	Landbrug, intensivt,	Agriculture, intensive,	•	Dioad leaf	163
70049300	Field parcel map	Surbær	Chokeberry	212000	permanente afgrøder	permanent crops	N		No
70049300	i ieiu paicei iliap		Chokeberry	212000		•		-	INO
70040000	Field nereal men	Medicinplanter,	Madiaina planta waadu	242000	Landbrug, intensivt,	Agriculture, intensive,	•	Drandlant	Vaa
70049600	Field parcel map	vedplanter	Medicine plants woody	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
		Planteskolekulturer,			Landhara interesiat	AiIt iti	NI		
70040700	Field servel sees	vedplanter, til	Niversus successivalents for colo	040000	Landbrug, intensivt,	Agriculture, intensive,		Desadlast	V
70049700	Field parcel map	videresalg	Nursery, woody plants for sale	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70040000	5 .11	Lukket system 3,	Observation of the standards	040000	Landbrug, intensivt,	Agriculture, intensive,		D	V.
70049900	Field parcel map	vedplanter	Closed system 3, woody plants	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70050400		0		040000	Landbrug, intensivt,	Agriculture, intensive,			
70050100	Field parcel map	Stauder	Herbaceous perennial	212000	permanente afgrøder	permanent crops	N	-	No
		-	-		Landbrug, intensivt,	Agriculture, intensive,			
70050200	Field parcel map	Blomsterløg	Bulb	211000	midlertidige afgrøder	temporary crops	N	-	No
		En- og to-årige			Landbrug, intensivt,	Agriculture, intensive,			
70050300	Field parcel map	planter	Annual and biennial plants	211000	midlertidige afgrøder	temporary crops	N	-	No
		Solbær, stiklingeop-			Landbrug, intensivt,	Agriculture, intensive,			
70050400	Field parcel map	formering	Blackcurrant, cuttings	212000	permanente afgrøder	permanent crops	N	-	No
		Stikkelsbær, stiklin-			Landbrug, intensivt,	Agriculture, intensive,			
70050600	Field parcel map	geopformering	Gooseberry, cuttings	212000	permanente afgrøder	permanent crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,	Nursery/		
70050900	Field parcel map	Trækvæde	Quince	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
					Landbrug, intensivt,	Agriculture, intensive,			
70051000	Field parcel map	Melon	Melon	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70051200	Field parcel map	Rabarber	Rhubarb	212000	permanente afgrøder	permanent crops	N	-	No
	, ,				Landbrug, intensivt,	Agriculture, intensive,			
70051300	Field parcel map	Jordbær	Strawberry	212000	permanente afgrøder	permanent crops	N	-	No
			•		Landbrug, intensivt,	Agriculture, intensive,			
70051400	Field parcel map	Solbær	Blackcurrant	212000	permanente afgrøder	permanent crops	N	-	No

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
<u> </u>					Landbrug, intensivt,	Agriculture, intensive,			<u> </u>
70051500	Field parcel map	Ribs	Redcurrant	212000	permanente afgrøder	permanent crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70051600	Field parcel map	Stikkelsbær	Gooseberry	212000	permanente afgrøder	permanent crops	N	-	No
			•		Landbrug, intensivt,	Agriculture, intensive,			
70051700	Field parcel map	Brombær	Blackberry	212000	permanente afgrøder	permanent crops	N	_	No
			,		Landbrug, intensivt,	Agriculture, intensive,			
70051800	Field parcel map	Hindbær	Raspberry	212000	permanente afgrøder	permanent crops	N	_	No
	т того ромоот тогор		,		Landbrug, intensivt,	Agriculture, intensive,			
70051900	Field parcel map	Blåbær	Blueberry	212000	permanente afgrøder	permanent crops	N	_	No
		Surkirsebær uden un			Landbrug, intensivt,	Agriculture, intensive,			
70052000	Field parcel map	dervækst af græs	Cherry without undergrowth	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70002000	r rora parcor map	Surkirsebær med un-		2.2000	Landbrug, intensivt,	Agriculture, intensive,	•	Broad roar	100
70052100	Field parcel map	dervækst af græs	Cherry with undergrowth	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70002100	r loid paroor map	Blomme uden under-		212000	Landbrug, intensivt,	Agriculture, intensive,	•	Broad loar	100
70052200	Field parcel map	vækst af græs	Plum without undergrowth	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70002200	r ioid paroci map	Blomme med under-	r idiri wililodi dildorgiowar	212000	Landbrug, intensivt,	Agriculture, intensive,		Dioda icai	103
70052300	Field parcel map	vækst af græs	Plum with undergrowth	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70002000	ricia parcermap	Sødkirsebær uden	r fam with anacigiowth	212000	Landbrug, intensivt,	Agriculture, intensive,		Dioda icai	103
70052400	Field parcel map	undervækst af græs	Sweet cherry without undergrowth	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70032400	i leiu paicei iliap	Sødkirsebær med un		212000	Landbrug, intensivt,		•	Di Oau leai	163
70052500	Field percel man	dervækst af græs		212000	<u> </u>	Agriculture, intensive,	•	Drood loof	Voo
70052500	Field parcel map	dervækst ar græs	Sweet cherry with undergrowth	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
7005000	Field neveel men	Llodal	Eldos	242000	Landbrug, intensivt,	Agriculture, intensive,	•	Drandlant	Vaa
70052600	Field parcel map	Hyld	Elder	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70050700	Field servel sees	Hassal	Hand	040000	Landbrug, intensivt,	Agriculture, intensive,	•	Desadlast	V
70052700	Field parcel map	Hassel	Hazel	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70050000	Ciald agencyl area	/T-1	A I	040000	Landbrug, intensivt,	Agriculture, intensive,	•	Desadlast	V
70052800	Field parcel map	Æbler	Apple	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70050000	Et al. Lancas Lancas	B	D	040000	Landbrug, intensivt,	Agriculture, intensive,		D	V.
70052900	Field parcel map	Pærer	Pear	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
7005000		\ C 1		040000	Landbrug, intensivt,	Agriculture, intensive,			
70053000	Field parcel map	Vindrue	Grape	212000	permanente afgrøder	permanent crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,	•		
70053100	Field parcel map	Anden træfrugt	Other tree fruit	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
					Landbrug, intensivt,	Agriculture, intensive,			
70053200	Field parcel map	Anden buskfrugt	Other bush fruit	212000	permanente afgrøder	permanent crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70053300	Field parcel map	Rønnebær	Rowanberry	212000	permanente afgrøder	permanent crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70053400	Field parcel map	Hyben	Hip	212000	permanente afgrøder	permanent crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,	•		
70053500	Field parcel map	Bærmispel	Berry medlar	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
					Landbrug, intensivt,	Agriculture, intensive,			
70053600	Field parcel map	Spisedruer	Grapes for consumption	212000	permanente afgrøder	permanent crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70053700	Field parcel map	Valnød (almindelig)	Walnut	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes

Basemap Object Code	o Source	Basemap Object Name, Danish	Basemap Object Name, English	Aggregated LULC Code	Aggregated LULC Name, Danish	Aggregated LULC Name, English	Sub-category tree cover	Leaf type	Tree cover allowed
Object Cour	e Source	Name, Danish	Name, English	LULC Code	Landbrug, intensivt,	Agriculture, intensive,		Lear type	alloweu
70053800	Field parcel map	Kastanje (ægte)	Chestnut	212000	permanente afgrøder	permanent crops	plantation	Broad leaf	Yes
70053600	Fleiu parcei map	Rasianje (ægle)	Chestilut	212000	Landbrug, intensivt,		piaritation	bioau leai	162
70052000	Field nereel men	Diameter for our	Missaal fruita	242000		Agriculture, intensive,	NI		Na
70053900	Field parcel map	Blandet frugt	Mixed fruits	212000	permanente afgrøder	permanent crops	N	-	No
70054000	Et al I a second assess	T	T	044000	Landbrug, intensivt,	Agriculture, intensive,	N.1		N.L.
70054000	Field parcel map	Tomater	Tomatoes	211000	midlertidige afgrøder	temporary crops	N	-	No
70054400	-			044000	Landbrug, intensivt,	Agriculture, intensive,			
70054100	Field parcel map	Agurker	Cucumber	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70054200	Field parcel map	Salat (drivhus)	Lettuce (greenhouse)	211000	midlertidige afgrøder	temporary crops	N	-	No
		Grøntsager, andre			Landbrug, intensivt,	Agriculture, intensive,			
70054300	Field parcel map	(drivhus)	Other vegetables	211000	midlertidige afgrøder	temporary crops	N	-	No
		Snitblomster og snit-			Landbrug, intensivt,	Agriculture, intensive,			
70054400	Field parcel map	grønt	Cut flower/sprigs	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70054500	Field parcel map	Potteplanter	Pot plants	211000	midlertidige afgrøder	temporary crops	N	-	No
		Planteskolekulturer,			Landbrug, intensivt,	Agriculture, intensive,			
70054700	Field parcel map	stauder	Nursery, perennial/woody plants	211000	midlertidige afgrøder	temporary crops	N	-	No
			, , , , , , , , , , , , , , , , , , ,		Landbrug, intensivt,	Agriculture, intensive,			
70054800	Field parcel map	Småplanter, en-årige	Minor plants, annual	211000	midlertidige afgrøder	temporary crops	N	-	No
		3	, , , , , , , , , , , , , , , , , , , ,		Landbrug, intensivt,	Agriculture, intensive,			
70055100	Field parcel map	Moskusgræskar	Musk pumpkin	211000	midlertidige afgrøder	temporary crops	N	_	No
70000100	riola parcor map	Wookdog/cookd	maon pampian	211000	Landbrug, intensivt,	Agriculture, intensive,	.,		110
70055200	Field parcel map	Mandelgræskar	Almond pumpkin	211000	midlertidige afgrøder	temporary crops	N	_	No
70000200	ricia parcermap	Manacigiæskai	Almona pampam	211000	Landbrug, intensivt,	Agriculture, intensive,	14		140
70055300	Field parcel map	Centnergræskar	Bitter pumpkin	211000	midlertidige afgrøder	temporary crops	N	_	No
7000000	r leid parcer map	Certifiergræskar	bitter pumpkin	211000	Landbrug, intensivt,	Agriculture, intensive,	IN	_	INO
70056300	Field percel man	Cyampa ahampianan	Muchroom	211000		=	NI		No
70056300	Field parcel map	Svampe, champignor	i Musiliootti	211000	midlertidige afgrøder	temporary crops	N	-	INO
70050400	Field servel sees	0	O-mt-in-m	044000	Landbrug, intensivt,	Agriculture, intensive,	N.I.		NI=
70056400	Field parcel map	Containerplads	Container	211000	midlertidige afgrøder	temporary crops	N	-	No
70057000				040000	Landbrug, intensivt,	Agriculture, intensive,			
70057000	Field parcel map	Humle	Нор	212000	permanente afgrøder	permanent crops	N	-	No
		Skovrejsning (privat)							
		 kulstofbinding og 	Afforestation (private) - carbon				_		
		grundvands-beskyt-	sequestration and groundwater				Forest/		
70057500	Field parcel map	telse	protection	311000	Skov	Forest	afforestation	not defined	Yes
		skovrejsning (statslig)							
		 forbedring af vand- 	Afforestation (state) - improvement	t					
		miljø og grundvands-	of aquatic environment and				Forest/		
70057600	Field parcel map	beskyttelse	groundwater protection	311000	Skov	Forest	afforestation	not defined	Yes
		Skov med biodiversi-					Forest/		
70057700	Field parcel map	tetsformål	Forest for biodiversity protection	311000	Skov	Forest	afforestation	not defined	Yes
	' '	Skovrejsning,	, .						
		forbedring af vand-	Afforestation- improvement						
		miljø og grundvands-	of aquatic environment and				Forest/		
70057800	Field parcel map	beskyttelse	groundwater protection	311000	Skov	Forest	afforestation	not defined	Yes
. 5551 555		200.1, 1.0.00	g. 2 a p. 0.0000011	3	····	. 5.55.			

Basemap	_	Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Cod	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
		Tagetes, sygdoms-			Landbrug, intensivt,	Agriculture, intensive,			
70057900	Field parcel map	sanerende plante	Tagetes	211000	midlertidige afgrøder	temporary crops	N	-	No
							Forest/		
70058000	Field parcel map	Skovdrift, alm.	Forestry, common	311000	Skov	Forest	afforestation	not defined	Yes
		Skovdrift med					Forest/		
70058100	Field parcel map	fjernelse af ved	Forestry with removal of wood	311000	Skov	Forest	afforestation	not defined	Yes
							Christmas		
		Pyntegrønt,			Landbrug, intensivt,	Agriculture, intensive,			
70058200	Field parcel map	økologisk jordbrug	Decorative greenery, organic	212000	permanente afgrøder	permanent crops	greenery	Coniferous	Yes
		Juletræer og pynte-					Christmas		
		grønt på landbrugs-	Christmas tree, decorative		Landbrug, intensivt,	Agriculture, intensive,			
70058300	Field parcel map	jord	greenery	212000	permanente afgrøder	permanent crops	greenery	Coniferous	Yes
		Skovrejsning i pro-					Forest/		
		jektområde, som ikke					afforestation		
70058500	Field parcel map	er omfattet af tilsagn	Afforestation inside project area	311000	Skov	Forest	,	not defined	Yes
70050000	-	0" " ' '	B.11: #:	044000	01		Forest/		.,
70058600	Field parcel map	Offentlig skovrejsning		311000	Skov	Forest	afforestation	not defined	Yes
70050700	Entless of the con-	Skovrejsning på tidl.	Afforestation on former	044000	QL.	E 1	Forest/		V.
70058700	Field parcel map	landbrugsjord 3	agricultural land	311000	Skov	Forest	afforestation	not defined	res
70050000	Field servel sees	Describe also della	Containable officerateties	044000	Clare	Farrat	Forest/		V
70058900	Field parcel map		Sustainable afforestation	311000	Skov	Forest	afforestation	not defined	res
70050000	Field nereel man		Sustainable afforestation within	244000	Clear	Farant	Forest/	nat datinad	Vaa
70059000	Field parcel map	Natura 2000-omrade	Natura2000 designation	311000	Skov	Forest	afforestation	not defined	res
70059100	Field parcel map	Lavskov	Coppice forest	212000	Landbrug, intensivt, permanente afgrøder	Agriculture, intensive,		Broad leaf	Yes
70059100	rieid parcei iliap	Lavskov	Coppice forest	212000	Landbrug, intensivt,	permanent crops Agriculture, intensive,	forestry	bioau leai	168
70059200	Field parcel map	Pil	Willow	212000	permanente afgrøder	permanent crops	forestry	Broad leaf	Yes
70039200	i lelu parcei illap	ГП	VIIIOW	212000	Landbrug, intensivt,	Agriculture, intensive,		Di Jau leai	165
70059300	Field parcel map	Poppel	Poplar	212000	permanente afgrøder	permanent crops	forestry	Broad leaf	Yes
70053500	r leid parcer map	т оррег	Горіаі	212000	Landbrug, intensivt,	Agriculture, intensive,	•	Dioad leaf	163
70059400	Field parcel map	El	Alder	212000	permanente afgrøder	permanent crops	forestry	Broad leaf	Yes
70000400	r icia parcer map	Li	Audel	212000	Landbrug, intensivt,	Agriculture, intensive,	•	Dioda icai	103
70059600	Field parcel map	Elefantgræs	Elephant grass	211000	midlertidige afgrøder	temporary crops	N	_	No
. 0000000	r ioia parcor map	2.o.amgrao	Ziopitani grado	211000	Landbrug, intensivt,	Agriculture, intensive,			. 10
70059700	Field parcel map	Rørgræs	Reed grass	211000	midlertidige afgrøder	temporary crops	N	_	No
. 0000. 00	r ioia parcor map	Poppel (100-400 an-	Poplar (100-400 other tree species		Landbrug, intensivt,	Agriculture, intensive,			. 10
70059900	Field parcel map	dre træer pr. ha)	pr. Ha)	212000	permanente afgrøder	permanent crops	forestry	Broad leaf	Yes
. 000000		a.e a.ee. pa)	Willow on environmental focus		Landbrug, intensivt,	Agriculture, intensive,		2.000.00.	. 00
70060200	Field parcel map	MFO - Pil	sites	212000	permanente afgrøder	permanent crops	forestry	Broad leaf	Yes
	- p	-	Poplar on environmental focus		Landbrug, intensivt,	Agriculture, intensive,			
70060300	Field parcel map	MFO - Poppel	sites	212000	permanente afgrøder	permanent crops	forestry	Broad leaf	Yes
	1 -1	11	Coppice on environmental focus		Landbrug, intensivt,	Agriculture, intensive,	,		
70060500	Field parcel map	MFO - Lavskov	sites	212000	permanente afgrøder	permanent crops	forestry	Broad leaf	Yes
		MFO - Poppel (100-	Poplar on environmental focus		. 5		,		
		400 andre træer pr.	sites (100-400 other tree species		Landbrug, intensivt,	Agriculture, intensive,	Energy		
70060600	Field parcel map	ha)	pr. Ha)	212000	permanente afgrøder	permanent crops	forestry	Broad leaf	Yes

Basemap		Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
		Chrysanthemum			Landbrug, intensivt,	Agriculture, intensive,			,
70065000	Field parcel map	Garland, frø	Chrysanthemum Garland	211000	midlertidige afgrøder	temporary crops	N	-	No
		·	,		Landbrug, intensivt,	Agriculture, intensive,			
70065100	Field parcel map	Dildfrø	Dill seed	211000	midlertidige afgrøder	temporary crops	N	_	No
	,				Landbrug, intensivt,	Agriculture, intensive,			
70065200	Field parcel map	Kinesisk kålfrø	Chinese kale seed	211000	midlertidige afgrøder	temporary crops	N	_	No
. 0000=00	. ioia paiooi iiiap	· ····································	Coco Naio ocoa		Landbrug, intensivt,	Agriculture, intensive,			
70065300	Field parcel map	Karsefrø	Cress seed	211000	midlertidige afgrøder	temporary crops	N	_	No
. 0000000	riola paroormap	raisons	0.000 0000	211000	Landbrug, intensivt,	Agriculture, intensive,			. 10
70065400	Field parcel map	Rucolafrø	Rocket seed	211000	midlertidige afgrøder	temporary crops	N	_	No
70000100	riola parocrimap	Radisefrø (inklusiv	redict sood	211000	Landbrug, intensivt,	Agriculture, intensive,	. •		110
70065500	Field parcel map	olieræddikefrø)	Radish seed	211000	midlertidige afgrøder	temporary crops	N	_	No
70000000	r icia parcermap	Bladbedefrø,	radisii seed	211000	Landbrug, intensivt,	Agriculture, intensive,	14		140
70065600	Field parcel map	rødbedefrø	Leaf beet seed, beetroot seed	211000	midlertidige afgrøder	temporary crops	N	_	No
70003000	r leid parcer map	Kålfrø	Cabbage seed, red and white	211000	Landbrug, intensivt,	Agriculture, intensive,	IN	_	INO
70065900	Field parcel map	(hvid- og rødkål)	cabbage seed	211000	midlertidige afgrøder	temporary crops	N		No
70003900	rielu parcei map	(IIVIu- og Iøukai)	cabbage seed	211000	Landbrug, intensivt,		IN	-	INO
70066000	Field percel man	Persillefrø	Daralay acad	211000		Agriculture, intensive,	N		No
70000000	Field parcel map	Persilienø	Parsley seed	211000	midlertidige afgrøder	temporary crops	IN	-	INO
70000400	Field percel man	V = n colfn=	Chamiland	244000	Landbrug, intensivt,	Agriculture, intensive,	NI		No
70066100	Field parcel map	Kørvelfrø	Chervil seed	211000	midlertidige afgrøder	temporary crops	N	-	No
7000000				044000	Landbrug, intensivt,	Agriculture, intensive,			
70066200	Field parcel map	Majroefrø	Early garden turnip seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70066300	Field parcel map	Pastinakfrø	Parsnip seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70066400	Field parcel map	Skorzonerrodfrø	Viper's grass seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70066600	Field parcel map	Purløgsfrø	Chive seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70066700	Field parcel map	Timianfrø	Thyme seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70066800	Field parcel map	Blomsterfrø	Flower seed	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70070100	Field parcel map	Grønkorn af vårbyg	Green grain from spring barley	211000	midlertidige afgrøder	temporary crops	N	-	No
		Grønkron af			Landbrug, intensivt,	Agriculture, intensive,			
70070200	Field parcel map	vårhvede	Green grain from spring wheat	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70070300	Field parcel map	Grønkorn af vårhavre	Green grain from spring oat	211000	midlertidige afgrøder	temporary crops	N	_	No
	,				Landbrug, intensivt,	Agriculture, intensive,			
70070400	Field parcel map	Grønkorn af vårrug	Green grain from spring rye	211000	midlertidige afgrøder	temporary crops	N	_	No
	г того ролгон тогр	g	этээн gram нэм эргнэд гус		Landbrug, intensivt,	Agriculture, intensive,			
70070600	Field parcel map	Grønkorn af vinterbyg	Green grain from winter barley	211000	midlertidige afgrøder	temporary crops	N	_	No
. 00. 0000	c.a paroormap	Grønkorn af	c.cc gram nom minor bulley		Landbrug, intensivt,	Agriculture, intensive,			
70070700	Field parcel map	vinterhvede	Green grain from winter wheat	211000	midlertidige afgrøder	temporary crops	N	_	No
. 55. 57. 55	oia parooi map	Grønkorn af	C. Con grain nom winter wheat	211000	Landbrug, intensivt,	Agriculture, intensive,			
70070800	Field parcel map	vinterhavre	Green grain from winter oat	211000	midlertidige afgrøder	temporary crops	N	_	No
1001000	. Ioid paroof map	TITICITICATIO	Sissin grain nom winter out	211000	maior dage digipadi	comporary crops	1 4		. 10

Basemap	. 0.	Basemap Object	Basemap Object	Aggregated	Aggregated LULC	Aggregated LULC	Sub-category		Tree cover
Object Code	e Source	Name, Danish	Name, English	LULC Code	Name, Danish	Name, English	tree cover	Leaf type	allowed
					Landbrug, intensivt,	Agriculture, intensive,			
70070900	Field parcel map	0	Green grain from winter rye	211000	midlertidige afgrøder	temporary crops	N	-	No
		Grønkorn af			Landbrug, intensivt,	Agriculture, intensive,			
70071000	Field parcel map	hybridrug	Green grain from hybrid seed	211000	midlertidige afgrøder	temporary crops	N	-	No
		Grønkorn af			Landbrug, intensivt,	Agriculture, intensive,			
70071100	Field parcel map	vintertriticale	Green grain from wintertriticale	211000	midlertidige afgrøder	temporary crops	N	-	No
					Landbrug, intensivt,	Agriculture, intensive,			
70090000	Field parcel map	Øvrige afgrøder	Other cop	211000	midlertidige afgrøder	temporary crops	N	-	No
		Lysåbne arealer	•						
70090300	Field parcel map	i skov	Open nature in protected forest	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
	·	Naturarealer,	·						
70090700	Field parcel map	økologisk jordbrug	Organic nature area	220000	Landbrug, ekstensivt	Agriculture, extensive	N	-	Yes
		<i>c . c</i>	G		Landbrug, intensivt,	Agriculture, intensive,			
70092100	Field parcel map	Bar jord	Bare soil	211000	midlertidige afgrøder	temporary crops	N	-	No
00000400	0. 1	Market all and	On Instance I	4.44.000	Mai Lafacatat	Deal and	N.I.		NI.
80000100	Cadastre map	Matrikel, vej	Cadastre, road	141000	Vej, befæstet	Road, paved	N	-	No
80000200	Cadastre map	Matrikel, jernbane	Cadastre, rail	150000	Jernbane	Railway	N	_	No
		Matrikel,				,			-
80000300	Cadastre map	strandbeskyttelse	Cadastre, beach protection	321000	Natur, tør	Nature, dry	N	_	Yes

BASEMAP 04

Documentation of the data and method for the 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 the 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 2019, Statistics Denmark financed an updated version of Basemap for the years 2016 (Basemap02) and 2018 (Basemap03). These updated versions were different in the sense that more of the original input information was included in the final map. In 2022, Statistics Denmark financed the fourth version of Basemap. Basemap04 is based on spatial information for the year 2021 and largely follows the methodology of the previous versions, though with minor changes and additions. Furthermore, in order to enable comparison over time, Basemap04 also includes updated versions for the years 2011, 2016, and 2018.

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