Sweden LPIS

Document History

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ReferenceS

1. [Swedish Board of Agriculture](https://djur.jordbruksverket.se/swedishboardofagriculture.4.6621c2fb1231eb917e680002462.html)

Swedish board of agriculture

1. [Inspire Geoportal](https://inspire-geoportal.ec.europa.eu/download_details.html?view=downloadDetails&resourceId=%2FINSPIRE-adae82ae-5364-11e8-bd03-52540023a883_20200615-091102%2Fservices%2F1%2FPullResults%2F351-400%2Fdatasets%2F25&expandedSection=metadata)

LPIS collection for Sweden



# Introduction

Sweden’s Land-parcel identification system (LPIS) data is managed by the **Swedish Board of Agriculture** (<https://jordbruksverket.se/e-tjanster-databaser-och-appar/e-tjanster-och-databaser-stod/kartor-och-gis>), and made available on the **INSPIRE Geoportal** (<https://inspire-geoportal.ec.europa.eu/download_details.html?view=downloadDetails&resourceId=%2FINSPIRE-adae82ae-5364-11e8-bd03-52540023a883_20200615-091102%2Fservices%2F1%2FPullResults%2F351-400%2Fdatasets%2F25&expandedSection=metadata>).

The Swedish agricultural blocks are a data set containing information on **maximum eligible agricultural land according to EU definitions**. The agricultural blocks are used by the Swedish Board of Agriculture to administer support to farmers, for example to check the area information in the farmers' applications and to inform the farmers about the current information. The data set **does not include all agricultural land in Sweden**, but **only the parts that a farmer has sought support for** at some time. A block is a polygon / surface that defines an area of ​​agricultural land. A block is bounded by fixed boundaries. Examples of fixed boundaries are roads, stone walls, forests and buildings. A block can also be delimited by regional boundaries (Assembly boundaries of 2000). With a few exceptions, **a block must be at least 0.1 hectare**. On one block, only one farmer can have agricultural land (except for grazing land that is co-owned). The data set of agricultural blocks contains about 1,143,000 blocks. Of these, about 891,000 are field blocks and about 252,000 are pasture blocks. The total area is 3.2 million hectares, of which 2.7 million hectares are arable land and 510,000 hectares are pasture land. The average area for arable land blocks is 3.03 ha and for the pasture blocks the corresponding figure is 2.03 ha.

Originally (1997), the Land Survey's land cover was used to obtain the agricultural blocks. Since then, the orthophotos produced by Lantmäteriet have been used to update the boundaries, as well as field visits.

# LPIS Dataset Description

## Online Resources

* Publicly available compressed ESRI Shapefiles, **updated annually** for the previous year ( <https://jordbruksverket.se/e-tjanster-databaser-och-appar/e-tjanster-och-databaser-stod/kartor-och-gis>)**.** There are **no limitations to the use** of these data.
* INSPIRE Geoportal – Central gateway to geographic government information: <https://inspire-geoportal.ec.europa.eu>

## Geographic Location

A picture containing text, map

Description automatically generated

SOURCE: TUBS @ Wikimedia Commons

## Coordinate Reference System

**EPSG:** **3006** (SWEREF99 TM) (<https://epsg.io/3006>)

Use the GDAL command below to convert the LPIS datasets into CRS of choice:

ogr2ogr [-s\_srs srs\_def] [-t\_srs srs\_def] [dstfile] [srcfile]

* s\_srs <srs\_def>: set source spatial reference
* t\_srs <srs\_def>: set target spatial reference
* <dstfile>: file with destination projection definition
* <srcfile>: file with source projection definition

Example of creating the lpis\_transformed.shp in EPSG:3857 from lpis.shp in EPSG:3006:

ogr2ogr -s\_srs EPSG:3006 -t\_srs EPSG:3857 lpis\_transformed.shp lpis.shp

## Temporal Reference

Datasets cover the period from **01/01/2015** to **01/01/2019**, **annually**.

## Description of Attributes

| Name | Type (Length, Precision) | Description |
| --- | --- | --- |
| blockid | Integer (11) | Object identifier. |
| region | String (7) | Region code. |
| areal | Double (18,11) | Field area in sqkm. |
| kategori | String (254) | Land use category. |
| agoslag | String (254) | Land use class. |

# Appendices

## Description of Land Use Classes

| AGOSLAG | Land Use Classes (English Description) |
| --- | --- |
| Åker | Farmland |
| Bete | Pastures |
| Åkermark – långliggande vall | Cropland – long-lying grassland |
| Åkermark – permanenta grödor | Cropland – permanent crops |
| Övrig mark | Other land |
| Våtmark | Wetland |
| Okänt | Unknown |

## Description of Land Use Categories

| KATEGORI | Land Use Categories (English Description) |
| --- | --- |
| Gård/Miljö | Farm / Environment |
| Ej stödberättigande | Not eligible |
| Miljö | Environment |
| Miljöinvesteringar | Environmental investments |
| Okänt | Unknown |