

Description of the data: The purpose of Land Parcel Identification System (LPIS) in Slovenia is to implement common agricultural policy of the European Union (CAP) measures. LPIS is a part of the Farm register (FR) and works as a spatial representation of areas utilized by agricultural holdings (AH). The reference parcel of LPIS is farmer's block (blok). A blok is a compact area of agricultural land in agricultural use by one AH (exceptions are defined in the legislation). The AH land use unit (GERK) is a compact area of agricultural land with the same type of land use within each blok. LPIS includes landscape features (KRZ), which can only be declared in certain parts of the country. Farmers declare their land in the form of GERK or KRZ. Published LPIS data is available at the GERK/KRZ level with block id as an attribute and is updated monthly.

Data acquisition and methodology: Blok / GERK & KRZ are delineated by using digital orthophoto imagery (DOF) and should represent current land use in nature. The rules are defined by the Rules on the Register of Agricultural Holdings (<https://pisrs.si/pregledPredpisa?id=PRAV14614>) (Rulebook). Holders of AH are responsible for keeping records accurate and up to date. Holders personally (or by authorizing another person) take care for the registration and update of GERKs & KRZ (boundary changes, types of use, ...) at administrative units – the technical part of LPIS update is carried out by trained personnel of administrative units. Another source of LPIS update are the results of on the spot controls and remote sensing controls by the Paying agency (AAMRD), which controls the areas declared in CAP measures. Finally limited LPIS update is possible by farmers when applying GSAA.

Attributes:

- GERK_PID – GERK/KRZ polygon ID,
- AREA – polygon area in m²,
- RABA_ID – GERK/KRZ land use type code,
- Z_AVG – average elevation of a polygon,
- NAGIB_AVG – average slope in % of a polygon,
- BLOK_ID – farmer's block (blok) polygon ID.

RABA_ID attribute code list:

RABA_ID	DESCRIPTION
1100	Arable land
1131	Temporary grassland
1150	Field for snail farming
1160	Hop field
1161	Hop field in rotation
1170	Strawberry field
1180	Permanent crops on arable land
1181	Permanent crops on arable land, where production is not in the soil
1190	Greenhouse
1191	Greenhouse, where production is not in the soil
1192	Greenhouse with fruit plants
1211	Vineyard
1212	Nursery
1221	Intensive orchard
1222	Extensive orchard
1230	Olive grove
1240	Other permanent crops
1300	Permanent grassland
1320	Permanent grassland with scattered ineligible features
1411	Areas for a specific measure - elimination of overgrowth
1420	Forest plantation
1510	Group of trees and shrubs
1520	Hedgerow
1530	Riparian vegetation
1540	Solitary tree
1550	Trees in line
1610	Agricultural land in preparation
7010	Small water-body

Information regarding archival data: archival data is available on the website <https://rkg.gov.si/anhiv/GERK/?C=N;O=D>. Data for 2006 to 2014 is available on at least yearly basis. From March 2015 onwards archival data is available on a monthly basis. Not all archival data contain all the attributes listed above. The entire set of attributes is available in data dating since incl. September 2019. Data up to and including 2018 are in the D48/GK coordinate system. Data since January 2019 are in the D96/TM coordinate system.

The GERK and KRZ methodology is defined in the currently valid Rulebook and has changed in the past in accordance with amendments to the Rulebook. Older versions of the Rulebook are available online (in Slovenian). The rules for individual types of GERK (land use) did not change significantly. However, some additional land use types of GERK were added while some have been canceled. KRZ can be declared since 2023, but only in certain areas of the country, as defined in legislation. In the table below, there is a generalized overview of the validity of individual GERK land use types and generalized information regarding the duration of validity of GERK land use types. The changes were often not unambiguous and cannot be shown in their entirety – below is a simplified overview of the changes.

Simplified overview of GERK land use changes since its implementation and KRZ (can be declared only in certain parts of SI and are marked with *):

RABA_ID	Description	2006	2007 - 2009	2010	2011 - 2014	2015 - 2016	2017 - 2022	2023 onwards
1100	Arable land							
1130	Temporary meadow		into 1100					
1131	Temporary grassland						from 1100/1300	
1150	Field for snail farming					from 1100		
1160	Hop field							
1161	Hop field in rotation					from 1160		
1170	Strawberry field					from 1100		
1180	Permanent crops on arable land							
1181	Permanent crops on arable land, where production is not in the soil					from 1180/new areas		
1190	Greenhouse							
1191	Greenhouse, where production is not in the soil					from 1190/new areas		
1192	Greenhouse with fruit plants					from 1190		
1211	Vineyard							
1212	Nursery		from 1211					
1221	Intensive orchard							
1222	Extensive orchard							
1230	Olive grove							
1240	Other permanent crops							
1300	Permanent grassland							
1320	Permanent grassland with scattered ineligible features					from 1300/1800/1430/new areas		
1321	Swampy meadow					into 1300		
1330	Alpine meadow			into 1300				
1410	Overgrown agricultural area		/					
1411	Areas for a specific measure - elimination of overgrowth						new areas	
1420	Forest plantation							
1430	Extensive karst pasture			partly from 1300, 1410, 1500, 1800		into 1300/1320		
1500	Trees and shrubs		/					
1510*	Group of trees and shrubs*							*KRZ
1520*	Hedgerow*							*KRZ
1530*	Riparian vegetation*							*KRZ
1540*	Solitary tree*							*KRZ
1550*	Trees in line*							*KRZ
1600	Uncultivated agricultural land					into 1610 (partly)		
1610	Agricultural land in preparation					from 1600/new areas		
1800	Forest trees on agricultural land					v 1320		
7010*	Small water-body*							*KRZ

*currently valid GERK or KRZ land use types are written in black text. GERK land use types, which are no longer valid, are written in gray. Relevant years are written in line on the top of the table. In case a specific GERK land use type was valid in a certain year, the field for that year is colored green, otherwise the field is colored white. In the event of a change in validity, there is a short explanation on the nature of the change: from/to which GERK land use type a certain type is altered. MAFF contact is available below in case additional explanation is needed.

Further information:

- <https://eprorator.gov.si/imps/srv/eng/catalog.search#/metadata/8c8072f5-2075-49c3-b3e5-56ee58f8db8d>
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