



REPUBLIC OF SLOVENIA  
**MINISTRY OF INFRASTRUCTURE AND SPATIAL  
PLANNING**

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# **Global Geospatial Information Management**

## **Country Report of Slovenia**

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## **Slovenia**

Slovenia, a small gem of a country set between Italy, Austria, Hungary and Croatia, is a combination of Alpine beauty, majestic valleys and blue and turquoise colour lakes purified by their limestone surroundings.

Slovenia, officially the Republic of Slovenia is a nation state in southern Central Europe at the crossroads of main European cultural and trade routes. It lies between latitudes 45° and 47° N, and longitudes 13° and 17° E. The 15th meridian east almost corresponds to the middle line of the country in the direction west-east. The Geometrical Center of the Republic of Slovenia is located at coordinates 46°07'11.8" N and 14°48'55.2" E. It lies in Slivna in the Municipality of Litija. Slovenia's highest peak is Triglav (2,864 m or 9,396 ft); the country's average height above sea level is 557 m (1,827 ft).

It covers 20,273 square kilometers (7,827 sq mi) and has a population of 2.05 million. It is a parliamentary republic and a member of the European Union and NATO.

Four major European geographic units meet on the territory of Slovenia: the Alps, the Dinaric Alps, the Pannonian Plain, and the Mediterranean, with a small portion of coastline along the Adriatic Sea. The territory has a mosaic structure and a mountainous landscape and biological diversity. The country is one of the most water-rich in Europe, with a dense river network, a rich aquifer system, and significant karstic underground watercourses. Over half of the country (10,124 km<sup>2</sup> or 3,909 sq mi) is covered by forests. This makes Slovenia the third most forested country in Europe, after Finland and Sweden.

Slovenia is in a rather active seismic zone because of its position on the small Adriatic Plate, which is squeezed between the Eurasian Plate to the north and the African Plate to the south and rotates counter-clockwise. Many parts of Slovenia have a carbonate ground, and an extensive subterranean system has developed.

## **About the Surveying and Mapping Authority of the Republic of Slovenia**

The Surveying and Mapping Authority of the Republic of Slovenia is a body within the Ministry of Infrastructure and Spatial Planning. The competence of the Surveying and Mapping Authority of the Republic of Slovenia comprises the tasks of the national land survey service, which include the creation, management and updating of databases pertaining to the basic geodetic system, real estate, the state border, spatial units and house numbers, and the Consolidated Cadastre of Public Infrastructure, as well as the topographic and cartographic system.

The Surveying and Mapping Authority of the Republic of Slovenia is responsible for basic data on space and real estate in the finalised databases, provides services pertaining to the registration of changes in physical space and on real estate, and performs the role of coordinator for the real estate system and spatial data infrastructure. In cooperation with the Ministry of Finance, it is carrying out a mass real estate appraisal with the aim of creating the foundations for successful and efficient real estate management, to provide data for objective and comprehensive real estate taxation and improve the efficiency of the real estate market. It provides for the national coordinate system and its compliance with the European coordinate system and creates the conditions for implementing land surveys.

### ***Main tasks and activities***

In cooperation with the regional surveying and mapping authorities, the regional offices implement the following joint tasks:

- preparing the national land survey service annual programme and the report on its implementation,
- organising the work of the regional surveying and mapping authorities, monitoring their work and ensuring the uniform implementation of national land survey service assignments,
- directing the implementation of development assignments pertaining to surveying and mapping activities,
- implementing operational, professional and administrative assignments from the offices' fields of work,
- drafting regulations on surveying and mapping activities,
- Meeting international obligations in the field of national land survey services.

The Surveying and Mapping Authority of the Republic of Slovenia comprises:

- the Real Estate Office,
- the Mass Real Estate Valuation Office,
- the Geodesy Office and
- Twelve regional surveying and mapping authorities.

## **Real Estate Office**

The Real Estate Office is responsible for administrative, professional, technical, coordination and supervisory activities pertaining to the management of the Land Cadastre, the Building Cadastre, the Real Estate Register and other records on real estate, the management of state border records and activities pertaining to marking, restoring and maintaining the state border. It is also engaged in managing the Register of Spatial Units and the Register of House Numbers. It operates in an interagency capacity in the work of international commissions and in other activities and projects, and is responsible for the training and education of employees of the regional surveying and mapping authorities. It prepares subject matter and material for the mandatory training of geodesists with a geodetic permit in cooperation with the Slovenian Chamber of Engineers. The substantive management and coordination of the work of regional surveying and mapping authorities in the field of real estate is another of its tasks.

In the field of registering real estate, the Real Estate Office and the regional surveying and mapping authorities implemented regular procedures to manage and maintain data from real estate records and activities to improve the quality of data. The envisioned tasks which were determined as part of the revised budget were fully implemented. The planned tasks in the field of managing and maintaining data on the state borders with Italy, Austria and Hungary as determined by intergovernmental commissions were implemented. Minor measurements of border posts and regular periodical control of border stones were carried out, and border documentation for individual sectors on the state border was drafted.

In the field of renovation and creation of new informational solution we started drafting public tender for full informational renovation; we implemented a tender for first phase of the task – creation of graphic module of land cadastre and some minor replenishment in the field of graphic data. For improvement of data we implemented locational improvement of data of land cadastre in field of permanent plantations and two municipalities. We implemented many coordinated tasks for organisation and cleansing of data about land cadastre reference points in whole area of Slovenia. We digitalised more than 4 million of documents of archive of land cadastre and established system for recording and use of these data.

## **Mass Real Estate Valuation Office**

The Mass Real Estate Valuation Office implements the tasks of general real estate valuation and the tasks of ascribing value to real estate properties. The main tasks comprise the preparation of real estate valuation models, determination of real estate value indices and monitoring of the Slovenian real estate market. The main products are valuation models for individual types of real estate that, on the basis of data from the Real Estate Register,

provide for the calculation of the market value of real estate, calculated indices of the value of real estate that enable updating of market values with regard to price trends in the real estate market during the period between general valuations of real estate and periodic reports on developments in the market based on systematic monitoring and analysis of data on the market. The Office manages and maintains the Real Estate Market Record, which is a multi - purpose public database on purchases and rental agreements pertaining to real estate. The Real Estate Market Record is managed in order to provide data on realised prices and rents in the real estate market for the purposes of mass valuation and other public purposes determined by law. On account of the changes in real estate markets, the Office verifies individual real estate valuation models at least every four years. The Office manages and updates the Real Estate Valuation Database, which is a public database on real estate valuation models and data on value indices.

The Office provides for the procedure of ascribing values, whereby the values of all recorded real estate are calculated on the basis of data on real estate entered in the Real Estate Register by using the mass valuation model for calculation of generalized market value, and enters the calculated values into the Real Estate Register.

In the field of mass real estate valuation, the Mass Real Estate Valuation Office operatively implemented the tasks of general real estate valuation.

We emphasised preparation of models for mass evaluation as a means to implement the Real Property Tax Act. For that purpose we executed adjustments to evaluation models based on price changes on the real estate market, mostly in form of calculating the price tendencies for specific real estates, and thus generally lowering real estate prices for specific real estates in specific areas in the country. The Information system for real estate market records was upgraded in a way that enables systematically recording of all the purchases of real estates, which are subject of taxation with taxes on real estate's transactions and Added value tax, and also recording of rental business for whole buildings as well as parts of buildings. We managed and maintained a production and distribution environment of the public records of the real estate market, which provides good groundwork for improvements in the clarity of the real estate market in the Republic of Slovenia. We reviewed and processed real estate sales for the means of modelling the real estate market in Republic of Slovenia and for calculating the value indexes for individual models of evaluation of real estates. In substantive and informational – technological sense we maintained and upgraded the system for general evaluation of real estate. We made analysis and calculations on which the government of Republic of Slovenia determined value indexes for real estate. With those indexes they adjusted the calculated values of real estate to those on the market at the start of the year 2013. We established and maintained application for postscripts of the value of real estate, and based on this information all the real estate, recorded in the

real estate register, were given general market values based on changed data of real estate. Models for evaluation of real estate and value indexes of real estate were managed and made available to the public through the internet in form of real estate value collections.

## **Geodesy Office**

The Geodesy Office is responsible for the basic geo - information infrastructure, represented by the national coordinate system and the national topographic system. In these fields, it implements legislative, professional, technical and coordination, implementation and supervisory assignments. It is responsible for establishing and updating the national coordinate system and its accessibility through the system of permanent global satellite positioning stations and other geodetic networks (the SIGNAL network). It coordinates and implements activities pertaining to the transition to the European coordinate system ESRS (European Spatial Reference System) and is responsible for linking the national coordinate system with the coordinate systems of neighbouring countries. It carries out field work required to set up the horizontal and vertical (geometric and physical) components of the national coordinate system, provides transform motion parameters between the existing (old) national and (new) European coordinate system and captures spatial data of the Surveying and Mapping Authority for the purpose of controlling. It manages a collection of data on geodetic points. It also implements organisational and coordination activities regarding the capture, management and integration of topographic data. It manages a collection of topographic data and the Consolidated Cadastre of Public Infrastructure. It is responsible for the national cartographic system and ensures the creation of national topographic and cartographic products for the needs of the state, ministries and local government. It provides for the compliance of the basic geo - information infrastructure with the European guidelines. It prepares regulations and participates in European and international projects in these fields.

In the field of geodesy, topography and cartography, the Geodesy Office performed control of the configuration of fifteen permanent GNSS stations of the SIGNAL network and purchased and upgraded the necessary technical equipment. Geodetic measurements of high accuracy were carried out on 123 km of levelling lines, GNSS measurements on EUREF points, gravimetric measurements on benchmarks. We also executed measurements for the recording of land underlying a building and we renewed some of the trigonometers of the first order. In line with Financial mechanism of European economy field for period from 2009 to 2014 (FM EGP) we gained funds for donations for co - financing of the execution of project »Modernization of spatial data infrastructure to reduce risks and impacts of floods«, which will be executed by The Surveying and Mapping Authority of Republic of Slovenia in cooperation with Ministry of Agriculture and Environment and project partners – Norwegian

Mapping Authority (Statens kartverk) and National Land Survey of Iceland (Landmælingar Íslands). We executed basic starting activities on project.

A proposition for the Act on georeference system was prepared, professional and interdepartmental coordination was conducted. We made aerial images for 30% of Slovenia (North - Eastern part), aero triangulation and digital model of relief, colour ortofoto and infrared ortofoto. In line with standards of EuroGeographics we executed completion of some data layers of EuroRegionalMap (ERM) and EuroGlobalMap (EGM). We renewed public review map of scale 1:250,000. We did some work for Commission for standardisation of European geographic names. We captured topography data for 70 sheets of scale 1: 5,000 and special tasks Ministry of Defence on the field of cartography and topography. 470 studies for registering public infrastructure buildings in to the Consolidated Cadastre of Public Infrastructure were for warded and 497 studies were entered into the Cadastre. Together with Ministry for Education, Science and Sport we executed two tasks: »Informational support for management of cadastre of economic public infrastructure« and »Accessibility of data about accessibility of broadband internet in Republic of Slovenia«. We successfully organized the 3rd Conference on the recording of public infrastructure in Slovenia.

### **Regional Surveying and Mapping Authorities**

- Create, manage and update the Land Cadastre, the Building Cadastre, the Register of Spatial Units and other data bases provided by law; provide information from the Land Cadastre, the Building Cadastre and the Register of Spatial Units and other databases,
- Implement administrative procedures and make first instance rulings in administrative matters for which they are competent,
- Provide professional assistance to clients and information to users,
- Participate in the planning and programming of land survey activities, primarily in cooperation with local communities,
- Coordinate activities in the land survey offices,
- Implement individual activities in the areas of financial operation, personnel matters, office operation and other organisational activities,
- Implement other activities as stipulated by the Director General of the Surveying and Mapping Authority.



Regional surveying and mapping authorities receive applications, provide information, provide data to clients and carry out individual tasks in administrative procedures pertaining to direct contact with customers at their head offices and all other geodetic offices.

## **Coordination of Spatial Data Infrastructure in Slovenia**

The activities related to implementation of The Infrastructure for Spatial Information are done by the Surveying and mapping authority of the Republic of Slovenia. For that purpose a national contact point was determined for contacting the European Commission regarding the INSPIRE Directive and for efficient implementation of The Infrastructure for spatial information.

The tasks of the national contact point are:

- managing and maintaining the list of spatial data sets,
- managing the detailed descriptions of the spatial data themes,
- managing the spatial information geo-portal,
- managing and maintaining the metadata information system,
- providing the interoperability of the spatial data sets and the services related thereto,
- preparing the proposals of operational programmes of the Government,
- executing the implementing rules of the INSPIRE Directive in the Republic of Slovenia,
- preparing and supplementing the strategy of the infrastructure for spatial information,
- preparing the programme of activities and measures to meet the requirements for establishing the infrastructure for spatial information,
- Preparing reports on providing the infrastructure for spatial information for the European Commission.

## **SDI Stakeholders**

Different stakeholders cooperate in Slovenia in the implementation of the INSPIRE Directive. These are:

- the national contact point,

- the Intersectoral INSPIRE project group,
- managers of data sets,
- individual public institutions and
- Interested users.

As key holders mainly the following public authorities should be mentioned:

- Ministry of Infrastructure and Spatial Planning, ([www.mzip.gov.si/](http://www.mzip.gov.si/)) and the bodies affiliated to it:
- Surveying and Mapping Authority of the Republic of Slovenia, ([www.gu.gov.si](http://www.gu.gov.si))
- Slovenian Road Agency ([www.drsc.gov.si](http://www.drsc.gov.si))
- Ministry of Agriculture and the Environment, ([www.mko.gov.si/](http://www.mko.gov.si/)) and the body affiliated to it:
- Slovenian Environment Agency ([www.arso.gov.si](http://www.arso.gov.si))
- Ministry of Defence ([www.mo.gov.si/](http://www.mo.gov.si/)) the body affiliated to it:
- Administration of the Republic of Slovenia for Civil Protection and Disaster Relief, ([www.sos112.si](http://www.sos112.si)),
- Ministry of Culture, ([www.mk.gov.si](http://www.mk.gov.si))
- Ministry of Economic Development and Technology, (<http://www.mgrt.gov.si/>)
- Ministry of Health, ([www.mz.gov.si](http://www.mz.gov.si))
- Ministry of the Interior and Public Administration, ([www.mnz.gov.si](http://www.mnz.gov.si)), ([www.mju.gov.si](http://www.mju.gov.si))
- Geological Survey of Slovenia, ([www.geo-zs.si](http://www.geo-zs.si))
- Geodetic Institute of Slovenia, ([www.gis.si/](http://www.gis.si/))
- Biotechnical Faculty, ([www.bf.uni-lj.si](http://www.bf.uni-lj.si))
- Slovenia Forest Service, ([www.zgs.gov.si/](http://www.zgs.gov.si/))
- Fisheries Research Institute of Slovenia, ([www.zzrs.si](http://www.zzrs.si)),
- Institute of the Republic of Slovenia for Nature Conservation, ([www.zrsvn.si/](http://www.zrsvn.si/))

- Statistical Office of the Republic of Slovenia, ([www.stat.si](http://www.stat.si))
- Other ministries and
- Local communities.

### ***Relations with third parties***

In order to implement the tasks of strategic importance, the national contact point and the intersectoral INSPIRE project group have invited to cooperation also many private sector institutions as contractors of technical tasks of establishing and operating the Slovenian infrastructure for spatial information, as well as the Geodetic Institute of Slovenia as public institution offering expert and technical support in the implementation of development and research tasks.

### **Use of spatial data infrastructure**

All existing elements of the Slovenian infrastructure for spatial information are used mainly by the institutions of the public administration. For several years, individual elements of the infrastructure for spatial information have been available to the public. Such information contains mainly joint fast communication network of public authorities (HKOM), managed and maintained by the Ministry of the Interior and Public Administration, which has been connecting all public authorities and some other public institutions for many years. On the basis of the Act on the Access to Information of Public Character and according to the Decree on re-use of information of public sector, every public authority must publish on its website the »Catalogue of Public Information«, which enables the users a more transparent access to the information managed and maintained by a particular public authority. In these data, spatial information occupies an important position. The Ministry of the Interior and Public Administration is actively working on establishing a national interpretational framework (NIO) and it represents Slovenia in the EU ISA program »Interoperability Solutions for European Public Administrations«. Cooperation of the national administration in the EU ISA program offers an additional dimension of the ISI use in Slovenia.

In the field of information and communication technology (ICT) and e-commerce, interoperability represents one of the most important conditions for a successful development of information society, as it brings positive effects to the users (greater choice of services, increased competition and, thus, also better quality at lower price, enabling the closing of information systems and applications), as well as for the ICT industry (facilitating the entry to the market, sharing knowledge, basis for the development of new innovative and competitive products and services). This allows faster development and implementation of innovation (technological, organisational, and procedural) in the public administration and economy, which shall ensure faster dissemination of knowledge, involvement, innovation

and competition for society as a whole. The Ministry of Higher Education, Science and Technology and the Ministry of the Interior and Public Administration implemented a project "Concept of national interoperability framework and test interoperability of the e-Kindergartens application". From the outset of systematic elaboration of the national e-administration, the interconnection of official records has been one of the main problems impeding faster development of electronic services of the types G2G, G2B and G2C. Due to lack of connectivity standards there appear, as a rule, in the interconnection of data bases or applications technical and organisational problems related to harmonising interests, duties and rights of national (public) institutions.

## **INTERNATIONAL COOPERATION**

The Surveying and Mapping Authority of the Republic of Slovenia, as a founding member of Eurogeographics is actively involved in the work of its working groups, as well as the maintenance of common data products and services provided by the association Eurogeographics.

Association of National Mapping, Cadastral and Land Registry Authorities held from 29 September to 2 October 2013 in Warsaw its annual general assembly, on which was, besides discussing current topics, approved the budget and work plan of association for 2014.

A lot of attention was directed towards establishment of European subgroup with United Nations Initiative on Global Geospatial Information Management – UN GGIM. UNGGIM Europe held its founding meeting at the end of this year's assembly; formal appointments will be made at session of Economic and Social Council UN in August 2014.

As active member of EuroGeographics the Surveying and Mapping Authority of Republic of Slovenia with its data joins common projects, which are being executed by this association. In February 2013 The Surveying and Mapping Authority of Republic of Slovenia signed an agreement and joined the project State Boundaries of Europe (SBE), which is from 2008 on executed by EuroGeographics.

There are already 16 national mapping, cadastral and land registry authorities participating in project. These authorities are sharing its information about state borders to their users in harmonised form and from common entry point. International harmonisation of other spatial data is possible, which was one of the demands of INSPIRE Directive.

In March 2013 we signed an accession agreement to consortium of project European Local Framework – ELF, which EuroGeographics got on competition, announced by programme ICT/PSP (Competitiveness and Innovation Framework Programme) with European Commission. Goal of project is to ensure common European location framework (ELF), which will be in line with European Interoperability Framework – EIF) and Infrastructure for Spatial Information in Europe – INSPIRE.

With accomplishment of that goal we will enable increase of re - use of official spatial data of public sector on various levels of accuracy, in pilot phase of the projects and later. Project will last 36 months and is coordinate by Norwegian surveying and mapping authority.

The United Nations Group of Experts on Geographical Names (UNGEGN) is an advisory and expert body of the United Nations. During the five year period between the 7th and 8th general conference of the United Nations on the Standardisation of Geographical Names (until 2002) Slovenia chaired the regional group for Eastern, Central and South-eastern

Europe. KSZI (Slovene Governmental Commission for the Standardisation of Geographical Names) homepage.

The international association for the administration of real estate within the United Nations Economic Commission for Europe covers the activities of the national institutions of Europe and North America in the field of land cadastre, land register, real estate valuation, land consolidation and land information systems. In the period between 1999 and 2001 Slovenia chaired the association.

Permanent Committee on Cadastre in the European Union (PCC) was established in 2002, at the First Congress on Cadastre in the European Union. The purpose of the Permanent Committee on Cadastre is to improve cooperation between the cadastral administrations of all Member States in the development of strategies and joint initiatives with the aim of co-ordination between the various European cadastral systems and their users. Surveying and Mapping Authority of the Republic of Slovenia participate in work of the Permanent Committee on Cadastre since its inception in October 2002.

In 2013 international cooperation covered inclusion in activities, performed by EuroGeographics: Association of National Mapping, Cadastral and Land Registry Authorities (such as European global and regional map, European administrative borders, European digital model of relief, European geographic names and work on European projects of horizontal and vertical network and cooperation with project ELF).

Representative of The Surveying and Mapping Authority of Republic of Slovenia in current mandate held the role of a member of executive board of this association. Funds of international cooperation were used for payment of membership fee for membership in EuroGeographics. The Surveying and Mapping Authority of Republic of Slovenia also cooperated with work of other international organisations and associations, but, because of saving measures, its employees did not participate in those meetings. Contacts were made and maintained by means of electronic communication.

The Surveying and Mapping Authority of Republic of Slovenia continued in 2013 with fulfilment of obligations for establishment of spatial data infrastructure on base of Law of infrastructure for spatial information and INSPIRE Directive (Directive 2007/2/EC). It worked as a national point of contact. Representatives of The Mapping and Surveying Authority of Republic of Slovenia participated with report on INSPIRE conference in Florence in June 2013. Goal of the conference was to study the progress and to exchange the views on how INSPIRE suits past and repeated challenges and needs, how it fulfils the tasks, and how it identifies new opportunities.

The Surveying and Mapping Authority of Republic of Slovenia cooperated in organisation of Solemn Academy in celebration of 2nd Day of the European Surveyor and GeoInformation, which took place on the 25 April 2013 in Brdo pri Kranju under patronage of Minister of Infrastructure and Spatial Planning and in organisation of Slovenian Federation of Surveyors. It took place in convention centre Brdo under title »Digital highway to the future«. The Day of the European Surveyor and GeoInformation in 2013 was dedicated to Italian scientist Galileo Galilei.

On 28 May the surveyors of ex Austro – Ogric countries met for the thirtieth time. This year's meeting was organised by Austria under the patronage of BEV (Bundesamt für Eich - und Vermessungswesen) in Eisenstadt. Czech Republic, Slovakia, Hungary, Slovenia, Croatia and regions Trentino and South Tirol were present on this meeting. Representative of EuroGeographics was also present. Topics of jubilee meeting were organisational, legal and technical history of land cadastre in the past 30 years and predictions for future five years. The Surveying and Mapping Authority of Republic of Slovenia in 2013 continued with cooperation with government surveying services from East Balkan and south east of Europe.

From the 22 to 26 July 2013 the Surveying and Mapping Authority of Republic of Slovenia hosted representatives of Administration for real estate cadastre of Republic of Macedonia. Visit took place as part of a programme for bilateral technical help TAIEX, which is supported by European Commission.

From 10 to 12 July 2013 delegations from Republic administration for geodetic and property affairs of Republic of Srpska and Federal Bureau for Geodetic and Property Relations of Bosnia and Herzegovina visited The Surveying and Mapping Authority of Republic of Slovenia. Visit was organised as a study visit in project for build - up of human resources, which is executed in Bosnia and Herzegovina (BIH), Swedish government.

On the sixth regional conference about management of real estates and implementation of INSPIRE Directive, which took place in June 2013 in Belgrade, the representatives of The Surveying and Mapping Authority of Republic of Slovenia cooperated with two referates.

Employees of The Surveying and Mapping Authority of Republic of Slovenia participated in 2013 in bilateral and multilateral events of Ministry of Defence in geospatial field, including with forwarding and exchange of geospatial data, in line with Agreement about cooperation with implementation of geodetic matters of common importance.

The Surveying and Mapping Authority of Republic of Slovenia fulfilled obligations from international treaties on maintenance of state borders with Italy, Austria and Hungary, which are defined in the State Border Control Act. We performed only the most necessary maintenance work with renovation of damaged boundary stones.

Annual session of Mixed Slovenian – Italian commission for state borders took place in Ljubljana between 4 and 5 December 2013. On this annual session the commission for border discussed the tasks for renovation, marking and maintenance of state border and information about replenishment of new boundary documentation on common state borders.

We carried out the same annual sessions with Hungary on May 2013 in Kormend and with Austria on September 2013 in Kranjska Gora.



# General overview and description of infrastructure for spatial information in Slovenia

The Surveying and Mapping Authority has established the national **INSPIRE Geoportal** ([www.geoportal.gov.si](http://www.geoportal.gov.si)). The portal includes a metadata system, INSPIRE glossary, link to some web applications for data access and key information related to the INSPIRE Directive and its implementation in Slovenia (list of events, data set managers, list of data sets, regulations and materials, and other information). For the majority of data sets in the list of the INSPIRE data sets and for some services related to them the metadata system contains metadata descriptions consistent with the INSPIRE Directive.

**Slovenian INSPIRE geoportal**

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**Javni vpogled v podatke o nepremičninah**  
Spletna aplikacija, ki omogoča javni vpogled v podatke o vseh nepremičninah na območju Republike Slovenije  
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• Geodetska uprava Republike Slovenije  
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• Ministrstvo za infrastrukturo in prostor  
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**Links**  
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• Projekt ELF | European Location Framework  
• Projekt posodobitev PPI zaradi zmanjšanja tveganj in posledic poplav | Posodobitev prostorske podatkovne infrastrukture

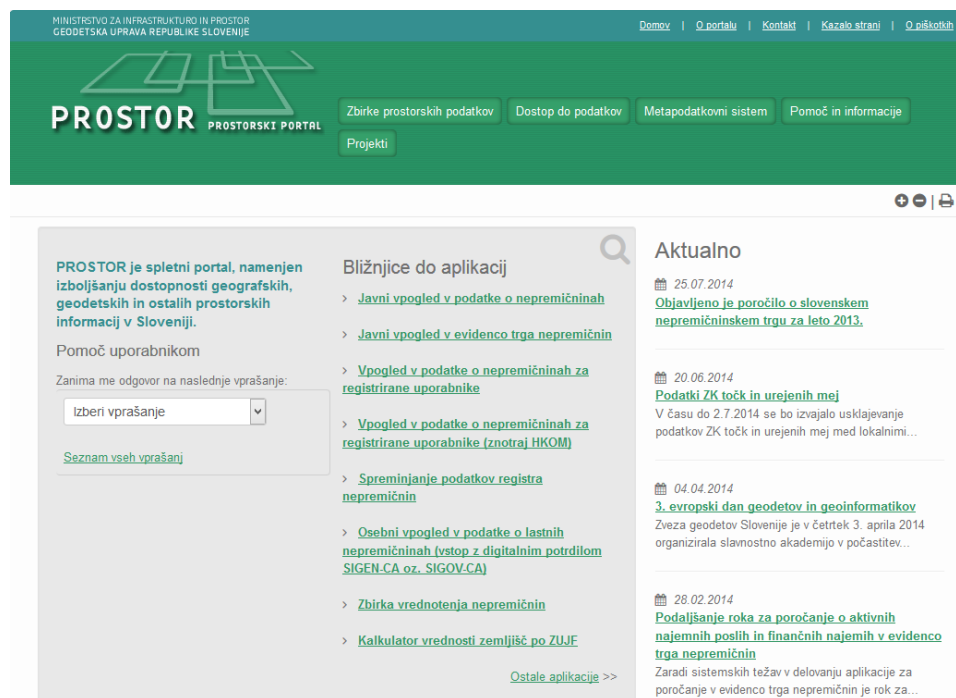
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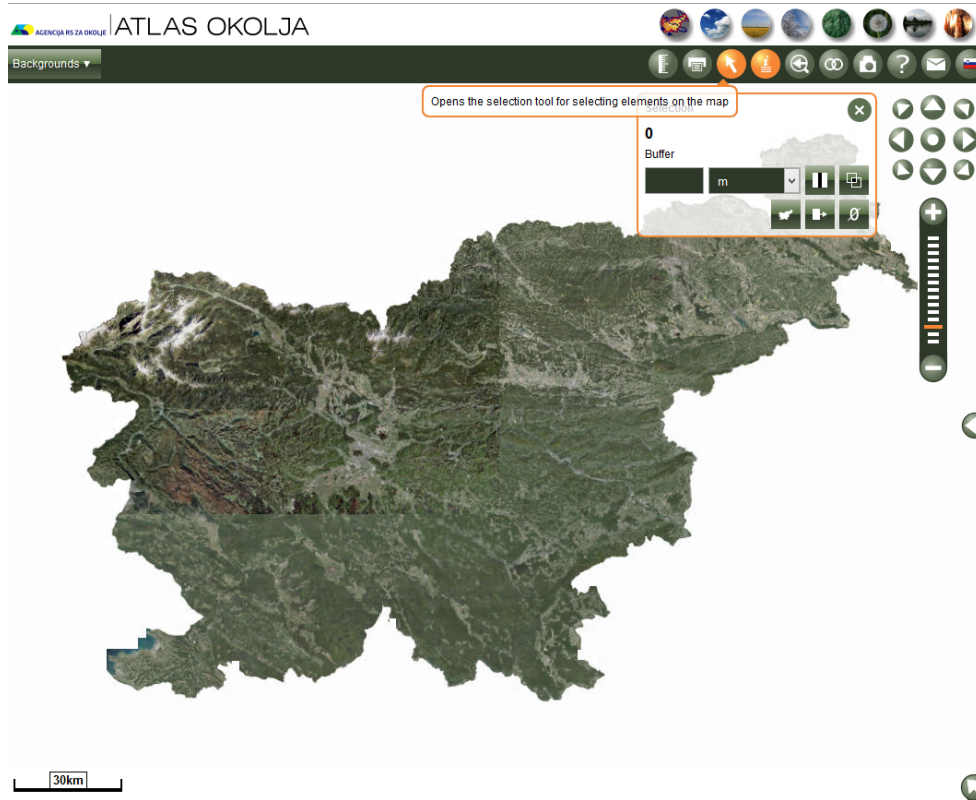
(Inspire Geoportal: [www.geoportal.gov.si](http://www.geoportal.gov.si))

The Surveying and Mapping Authority has established portal **Prostor (Space)** ([www.e-prostor.gov.si](http://www.e-prostor.gov.si)), providing access to its data, information on data and the possible methods of access to the data. Users have access to some free data and data samples for all data sets. The portal also allows access to some public services, mainly different types of data accesses.



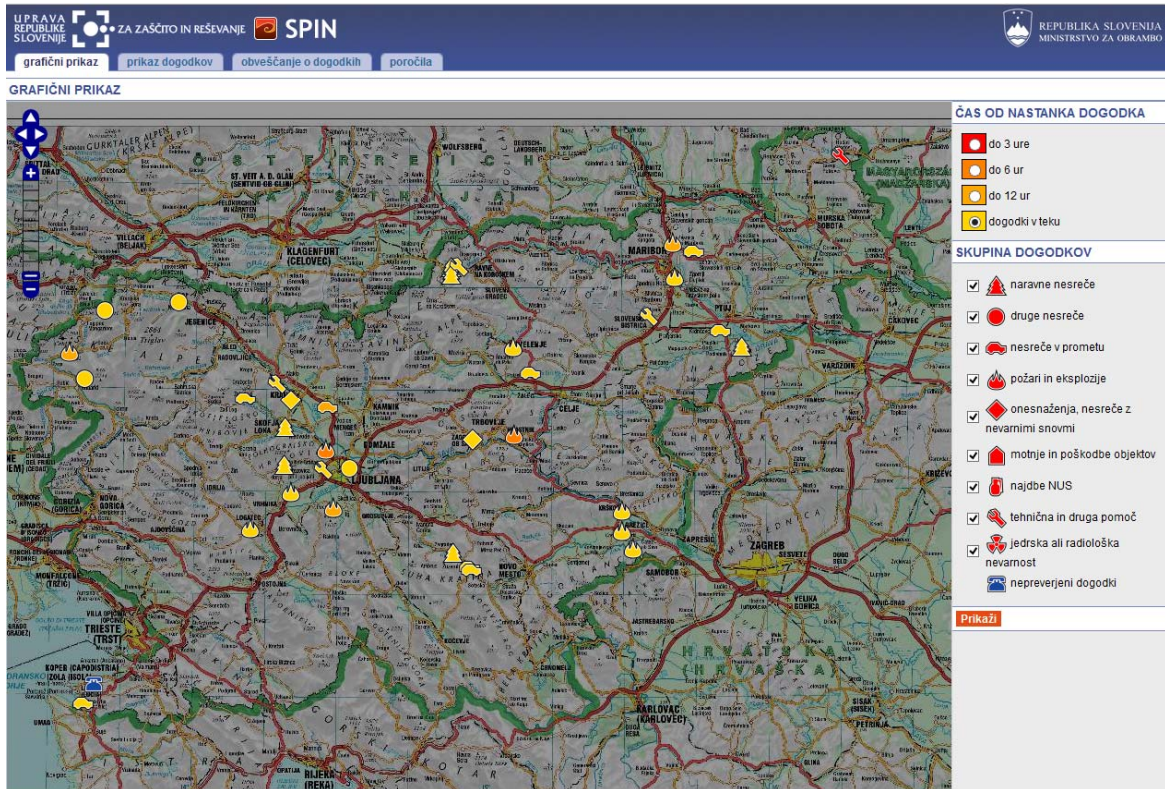
(Portal Prostor (Space) [www.e-prostor.gov.si](http://www.e-prostor.gov.si))

The Slovenian Environment Agency as the second largest INSPIRE data set manager in the country has also established its **Geoportal** ([www.gis.arso.gov.si](http://www.gis.arso.gov.si)) for the data sets within its competence, which is compliant with the demands of the INSPIRE Directive. The portal includes a metadata system, a search engine and a browser through data sets, WMS and WFS Internet services (browsing and downloading) and a link to the web data viewer (Environmental Atlas). The portal allows access to more than 150 data sets.



(Geoportal ARSO/Atlas okolja: [www.gis.arso.gov.si](http://www.gis.arso.gov.si))

Since 2005 Administration of the Republic of Slovenia for Civil Protection and Disaster Relief use their own application **SPIN** ([www.spipn.sos112.si](http://www.spipn.sos112.si)) - Information system for the reporting of accidents and intervention. Application SPIN is the result of collaboration Administration for Civil Protection and Disaster Relief and representatives of the civil protection rescue and enables timely collection and processing of data on accidents and interventions. The application allows instant capture data on all natural and other disasters, the activation of protection and rescue units and informing all those they need to be notified of activation.



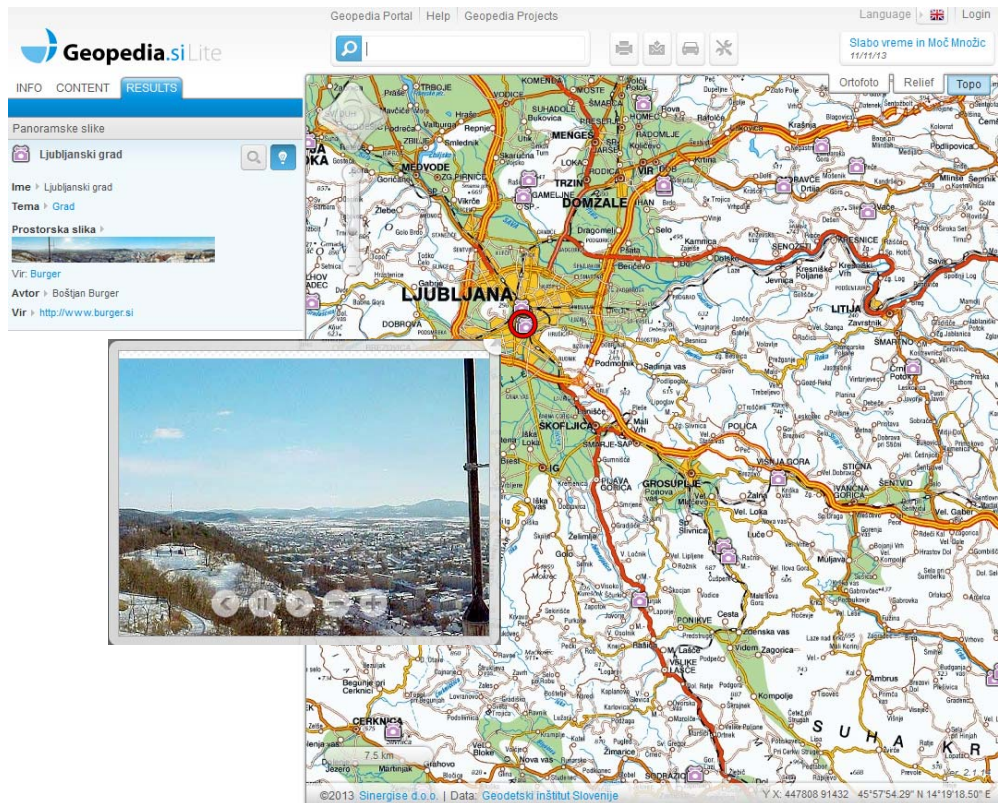
(SPIN Application: [www.spipn.sos112.si](http://www.spipn.sos112.si))

**Geopedia** ([www.geopedia.si](http://www.geopedia.si)) is a web based application for searching, viewing, and editing of geographical data, with service available to many clients at the same time. It contains various kinds of geographical and geo-referenced information which comes from many different sources and is thoroughly described, tagged, cross-referenced and categorized.

Its user-friendly web interface makes it easy to find items of interest – either through full text search or via hierarchically organized categories – and to display them on interactive maps, which can be saved for later viewing and manipulation.

Users can define and publish new layers with custom styling and textual descriptions, aggregate related layers into custom maps and associate them with other sources of information. Its advanced browser-based geometry editor allows anyone to insert new geographical features or edit existing one.





(Geopedia: [www.geopedia.si](http://www.geopedia.si))

Land Parcel Information System (LPIS – [www.rkg.gov.si](http://www.rkg.gov.si)) is a system to identify land use. It provides an overview of data on land use of agricultural holdings, records of actual use of agricultural and forest land, and certain other information: orthophoto and other information. The Surveying and Mapping Authority of the Republic of Slovenia (maps, register of spatial units, cadastral data, digital model of relief), vineyard information, forestry data, control layers for agricultural policy measures, bee pasture, water regulation, the soil map.

JAVNI PREGLEDOVALNIK  
GRAFIČNIH PODATKOV MKO

PODATKI ISKANJE REZULTATI

Rezultati x GERK: 642442

GERK: 383708

GERK

GERK-PID	RABA	ŠIFRA RABE	DOMAČE IME	POVRŠINA
792119	Njiva	1100	SENOŽETI	14,32 a
875318	Njiva	1100	PRI KRIŽU	40,46 a

Zapisi 1-2, Skupaj: 2

50 m

Y X: 600605,25 163135,25 46°36'16,93" N 16°18'30,46" E © 2012-2014 MKO | Izdelava: Sinaraise d.o.o.

(LPIS: [www.rkg.gov.si](http://www.rkg.gov.si))

## LEGAL FRAMEWORK

Infrastructure for Spatial Information Act (Official Gazette of the RS, No. [8/10](#)).

The Act defines the tasks related to the establishment and operation of a metadata system, network services to access the data and their use, coordination in establishing the infrastructure for spatial information (ISI) and the use of this infrastructure. It also defines the tasks of individual public entities responsible for establishing, managing and using spatial data and services, which have to be provided as an integral part of the Slovenian and, also European infrastructure for spatial information.

Act on georeference system (Official Gazette of the RS, No. [25/14](#))

This act introduces a new, modern national spatial reference system, which is based on the European Spatial Reference System (ESRS), and a new national topographic system together with the new map-grid system. The scope of the new act is regulation of competences and tasks of the Surveying and Mapping Authority of the Republic of Slovenia related to the realization and maintenance of the national spatial reference system in long term and providing up-to-date spatial datasets and data products.

Decree on communication and re-use of information of public character (Official Gazette of the RS, No. [76/05](#), [119/07](#) and [95/11](#))

This Decree lays down the method by which public information shall be provided to applicants and published on the World Wide Web, as well as the charging of costs for provision, re-use of information, price and other terms of such use and reporting on provision of access to public sector information.

Public Information Access Act (Official Gazette of the RS, No. [51/06](#), [117/06-ZDavP-2](#), [23/14](#) and [50/14](#))

This Act governs the procedure which ensures everyone free access to and re-use of public information held by state bodies, local government bodies, public agencies, public funds and other entities of public law, public powers holders and public service contractors.

## **MAIN AND STRATEGIC OBJECTIVES OF THE SURVEYING AND MAPPING AUTHORITY OF THE REPUBLIC OF SLOVENIA**

The national surveying and mapping authority is responsible for maintaining basic data on land surfaces, facilities and real estate (stored in orderly databases) and for providing services pertaining to the recording of changes made to real estate. Furthermore, it acts as a coordinator of the real estate system and spatial data infrastructure, performs real estate mass evaluations and provides data for an objective and comprehensive real estate tax assessment and improvement of the performance of the real estate market. It establishes and manages topographic system data and national maps, establishes and maintains the national spatial coordinate system, ensures the compliance of this system with the European coordinate system and provides for conditions for implementing land surveys.

The strategic objectives support the development of a comprehensive real estate system and national spatial data infrastructure with regard to providing basic and derived data and services to all users, and especially to support the implementation of spatial planning policy, agricultural and land policies and efficient management of real estate.

The strategic goals in individual activities of the national land surveying service are:

### **Geodesy Office**

In the field of the national spatial coordinate and topographic system, we wish to:

- ensure conditions for implementing national geodetic measurements (horizontal and vertical component, geoid); ensure the operation of the national network of permanent GNSS stations (Global Navigation Satellite System) and the GPS Service, which provides for the control of the functioning of the network, the use of the network for implementing national geodetic measurements and the provision of data for implementing geodetic measurements and location services,
- continue to establish and maintain national data on the features of land surface and facilities (topographic data) in topographic databases, on geographical names and on remote sensing, and provide national maps created in accordance with international standards,
- further develop and maintain the cartographic system of the Republic of Slovenia for defence purposes in accordance with NATO standards and Slovenian military standards continue to ensure conditions for implementing the requirements of the INSPIRE Directive relating to the topographic system.



In the field of recording public infrastructure, we wish to:

- ensure the functioning of the system of recording public infrastructure,
- ensure control of the quality of data on public infrastructure in the Consolidated Cadastre of Public Infrastructure,
- Establish a system to protect public infrastructure.

### **Real Estate Office**

In the field of real estate registration, we wish to:

- improve the quality and completeness of data regarding real estate,
- simplify procedures, and arrange and update data on all real estate in the Land Cadastre, the Building Cadastre and the Real Estate Register,
- participate in the process of ensuring the conditions for fulfilling the requirements of the INSPIRE Directive in the field of real estate registration,
- create the core of a comprehensive real estate system linked to the Land Cadastre, the Building Cadastre and the Land Register,
- Enable dynamic upgrading of real estate data in basic databases (guest data) or the entering of new data by linking data from other databases with basic databases (linked data).

### **Mass Real Estate Valuation Office**

In the field of mass real estate valuation, we wish to:

- establish, manage, maintain and develop a mass real estate valuation system for the purpose of real estate taxation,
- managing real estate market records with data regarding sales and rental market of real estate in Slovenia,
- managing the record of high quality data about events on real estate market,
- managing and maintaining of data about generalized market values of real estates,
- Efficiently adjust the mass real estate valuation system to situations in the real estate market.

Applying European and other international guidelines and actively contributing to their development will enable the comparable and coordinated development and performance of the land survey service in Slovenia.

## **Links:**

**The Surveying and Mapping Authority of  
the Republic of Slovenia**

<http://www.gu.gov.si>

**INSPIRE Geoportal**

[www.geoportal.gov.si](http://www.geoportal.gov.si)

Portal **Prostor (Space)**

[www.e-prostor.gov.si](http://www.e-prostor.gov.si)

**Geoportal ARSO**

[www.gis.arso.gov.si](http://www.gis.arso.gov.si)

Application **SPIN**

[www.spipn.sos112.si](http://www.spipn.sos112.si)

Portal **Geopedia**

[www.geopedia.si](http://www.geopedia.si)

Land Parcel Information System **LPIS**

[www.rkg.gov.si](http://www.rkg.gov.si)