

GEODESY in SLOVENIA

PRESENTATION
for



The Council of European Geodetic Surveyors
Comité de Liaison des Géomètres Européens

GENERAL ASSEMBLY of CLGE

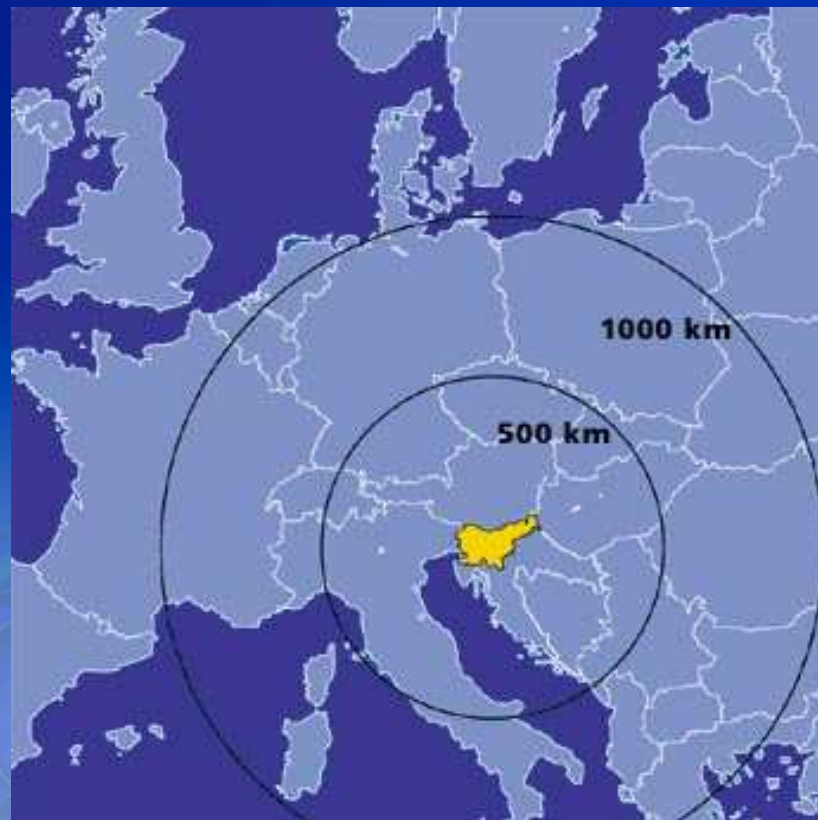
Strasbourg, 19. septembre 2008

Matjaz GRILC

A few facts about SLOVENIA.....

**I FEEL
SLOVENIA**

SLOVENIA is



- small country in the hearth of Europe

GENERAL ASSEMBLY of CLGE, Strasbourg, 19 September 2008

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A few facts about SLOVENIA.....

I FEEL
SLOVENIA

-SLOVENIA has

- 2.010.000 inhabitants
- 20.273 m²
- 14.808 GDP per capita and
- shape similar as a chicken..



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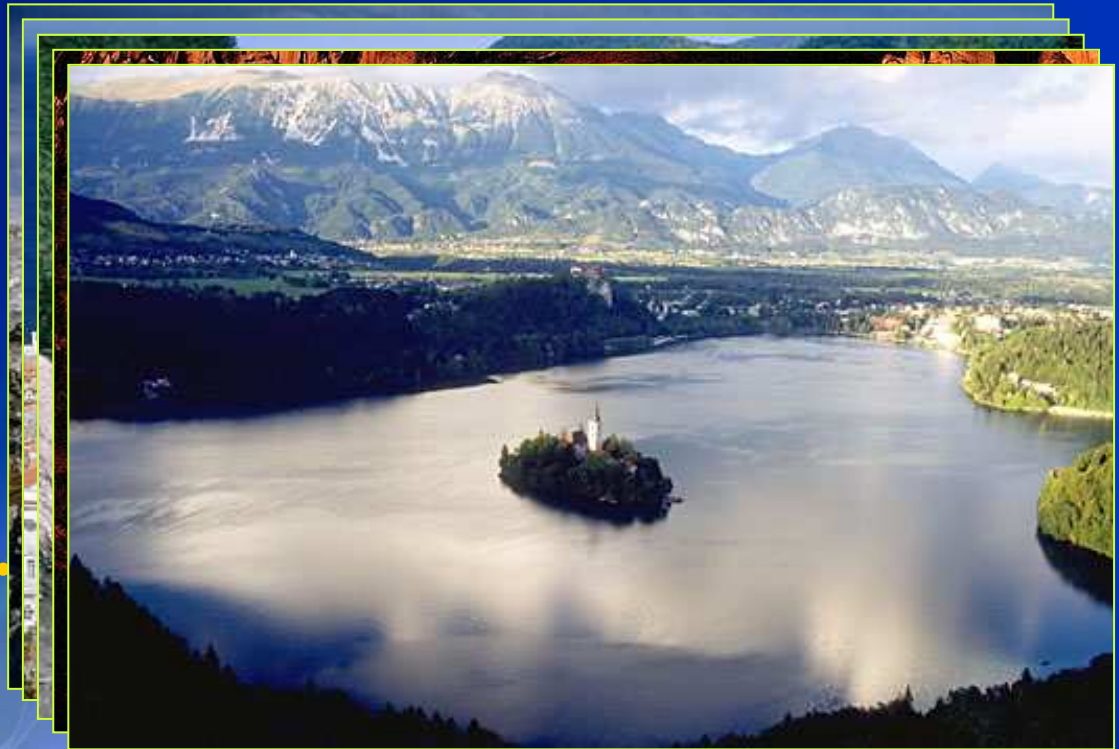
I Z S
INŽENIRSKA ZBORNICNA SLOVENIJE

A few facts about SLOVENIA.....

I FEEL
SLOVENIA

-SLOVENIA has ...

- mountains on the north
- sea on the south
- rivers, caves and lakes between and
- less than 3 hours with car from east to west point....



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A few facts about SLOVENIA.....

I FEEL
SLOVENIA

SLOVENIA is

really small...but it has

over 6.000.000 cadastral parcels.... (3 for each)



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CIVIL

Slovene Association of Surveyors



cca 1100 members

PUBLIC

Ministry for the
Environment and
Physical planning



**SURVEYING AND
MAPPING
AUTHORITY OF
THE REPUBLIC OF
SLOVENIA**

Government of
Republik of
Slovenia

**GEODETC
INSTITUTE OF
SLOVENIA**



cca 550 emp.

EDUCATION and SCIENCE

University of
Ljubljana



**FACULTY for
CIVIL
ENGINEERING
and GEODESY**

**SLOVENE
CHAMBER OF
ENGINEERS**

**Section of
Surveyors**



262 certified
surveying
engineers

PRIVATE

**PRIVATE
ENTERPRISES
or
CONTRACTORS**

160 companies

**Geodetic Interest
Association of
Geodetic
Companies**

85 members



cca 500 emp.

Geodesy in SLOVENIA.....

PRIVATE SECTOR

- The private sector in Slovenia began appearing in the field of geodetic activity in late 1980's
- Land surveying companies must have the permit for implementing geodetic services, which are granted by SMA
 - insurance policy
 - cooperation of at least one person who is registered in the register of land surveyors
 - cooperation of at least one person who has land surveyor certification examination and is proficient in Slovenian language
 - The company must also have at its disposal the appropriate technical equipment and facilities
- 260 Land surveying companies with permit of SMA
- Interest Association of geodetic companies - Cluster (abr. GIZ - GI)
 - executing joint general business organizational tasks,
 - developmental-research tasks.



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Geodesy in SLOVENIA.....

PUBLIC SECTOR

SMA – Spatial and Mapping Authority of the RS

ORGANISATION

Main Office (50)
Geodesy Office (34)
Mass Real estate valuation Office (30)
Real Estate Office (30)
12 Regional Surveying and Mapping Offices (400)



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Geodesy in SLOVENIA.....

SMA – Spatial and Mapping Authority of the RS

FINANCES and HUMAN RESOURCES

| Budget in 2007 | in mio EUR |
|--------------------------------------|---------------|
| Geodetic works (services) program | 6,8 |
| Salaries | 11,5 |
| Material expenses | 1,9 |
| Investments and extraordinary Maint. | 0,7 |
| Own activity (+) | 0,5 |
| Total | 21,5 |



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Geodesy in SLOVENIA.....

SMA – Spatial and Mapping Authority of the RS

FINANCES and HUMAN RESOURCES

| | |
|------------------------------|------------|
| Surveyors | 286 |
| Agronomists | 12 |
| IT specialists | 17 |
| Law, financial, admin. staff | 232 |
| Total | 547 |

| | |
|--------------|------------|
| Graduate/+ | 268 |
| Higher | 52 |
| Secondary | 213 |
| Elementary | 14 |
| Total | 547 |



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Geodesy in SLOVENIA.....

SMA - Spatial and Mapping Authority of the RS

MAIN OFFICE

- IT and Data Issuing Sector
- Legal service
- Human Resources Service
- Financial Service



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Geodesy in SLOVENIA.....

SMA – Spatial and Mapping Authority of the RS

GEODESY OFFICE

- Topographic sector
 - Public infrastructure dept.
- State Geodetic System sector
 - Geodetic measurment dept.
- INSPIRE coordination



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Geodesy in SLOVENIA.....

SMA - Spatial and Mapping Authority of the RS

REAL ESTATE OFFICE

- Land Cadastre sector
- Building Cadastre sector
- Real Estate Register sector
- Regional offices coordination



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Geodesy in SLOVENIA.....

SMA - Spatial and Mapping Authority of the RS

MASS REAL ESTATE VALUATION OFFICE

- General RE Valuation sector
 - Valuation Models dept.
 - Control quality dept.
- RE Market and Ascribing Value Sector
 - RE Market research dept.



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Geodesy in SLOVENIA.....

EDUC UNIVERSITY of LJUBLJANA



Faculty of Civil and Geodetic Engineering

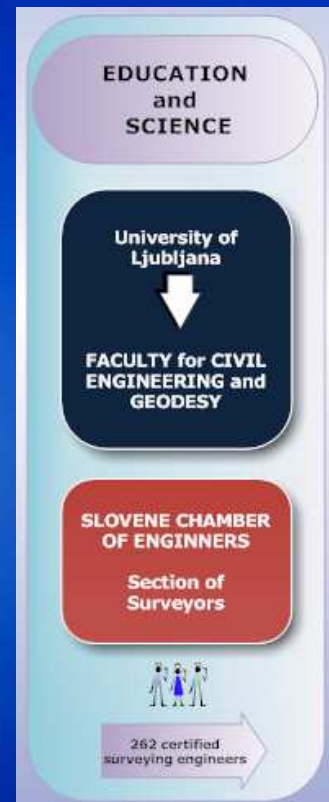


Department of Civil Engineering (14)



Department of Geodetic Engineering (6)

- Chair of Geodesy
- Chair of Cartography, Photogrammetry and Remote Sensing
- Chair of Geodetic Information Technology and Real Estate Cadastres
- Chair of Spatial Planning
- Chair of Engineering Geodesy
- Chair of Mathematic and Physical
- Chair of Geodesy and Navigation



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STUDY PROGRAMS

at Department of Geodetic Engineering

- UNIVERSITY STUDY OF GEODETIC ENGINEERING
- HIGH EDUCATION STUDY OF GEODETIC ENGINEERING

POSTGRADUATE STUDY PROGRAMS

- STUDY OF GEODETIC ENGINEERING
- STUDY OF URBAN AND SPATIAL PLANNING



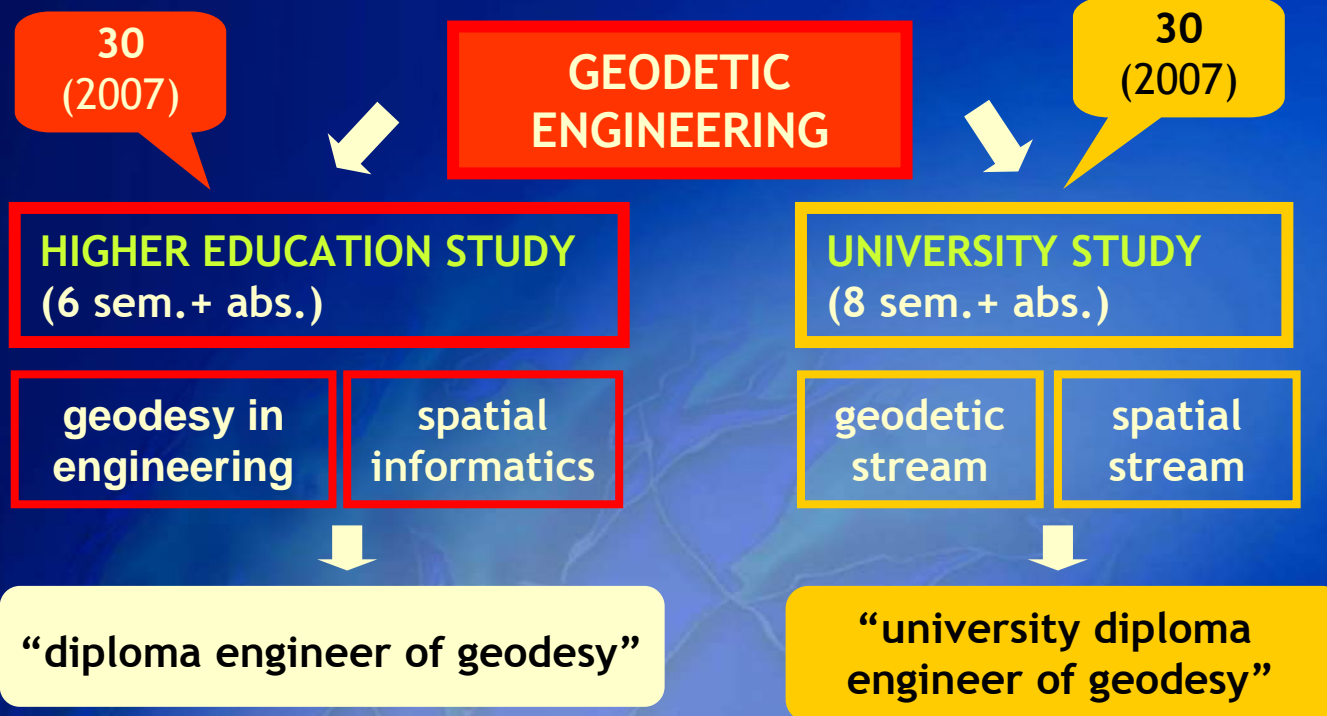
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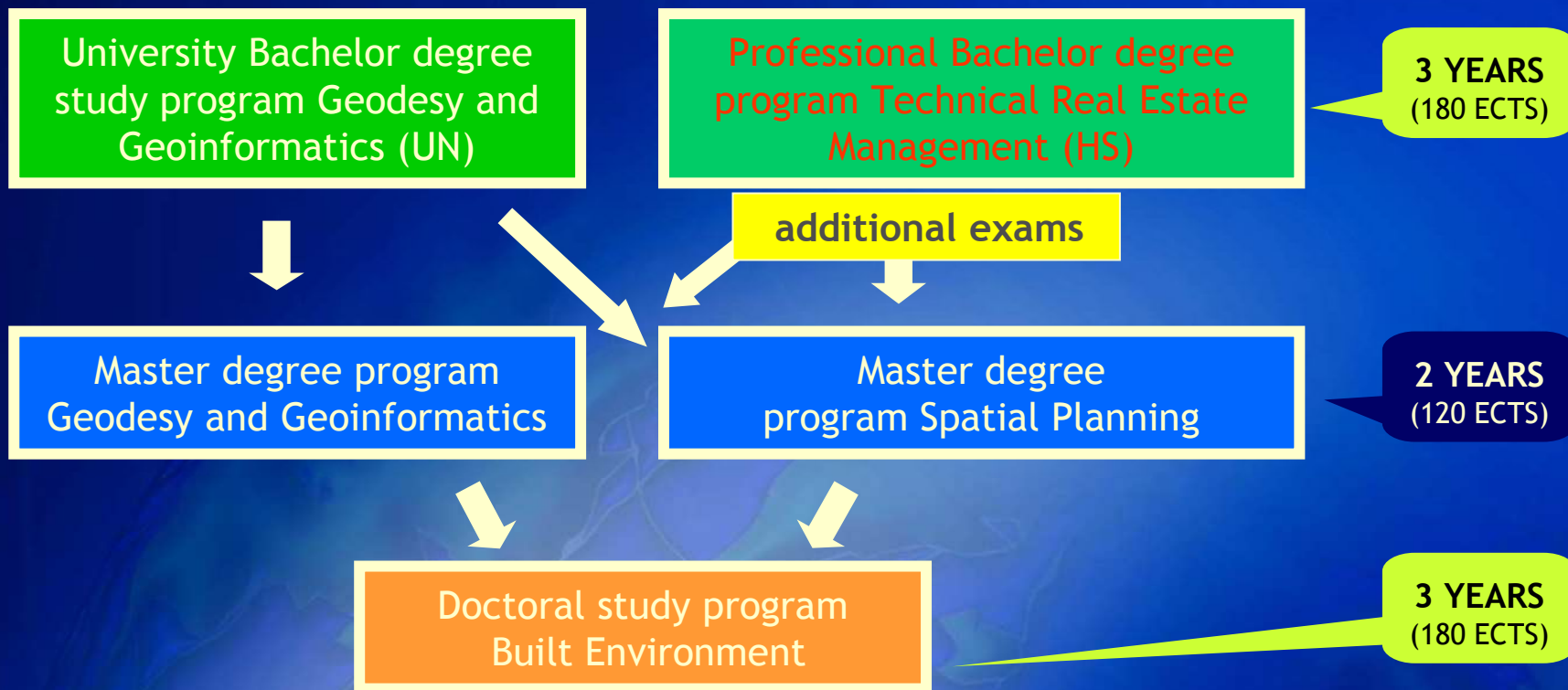


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BOLOGNA PROCESS



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Geodesy in SLOVENIA.....

EDUCATION and SCIENCE

Slovenian Chamber of Engineers - IZS



HEADQUARTERS OF IZS

| | |
|-------------------|---|
| Address: | Jarška cesta 10b, 1000 Ljubljana |
| Telephone: | +386 1 547 33 40 |
| Fax: | +386 1 547 33 20 |
| E-mail: | izs@izs.si |
| Home page: | www.izs.si |
| No. of employees: | 6 |
| No. of members: | more than 5.700 authorised engineers |



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I Z S
INŽENIRSKA ZBORNIKA SLOVENIJE

Geodesy in SLOVENIA.....

LEGISLATION

Year 1998 was adopted The CONSTRUCTION ACT

- establish Slovenian Chamber of Engineers (IZS)
- for all activities related to constructing
- constituted with 6 central sections
 - Central Section of Architects, Urban Planners and Landscape Architects,
 - Central Section of Civil Engineers,
 - Central Section of Mechanical Engineers,
 - Central Section of Electrical Engineers
 - Central Section of Technologists and Other Engineers,
 - Central Section of Mining and Geotechnology Engineers.
- more than 5.700 licensed (certified) Engineers
- President and the Management board
- IZS is member of ECEC



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Geodesy in SLOVENIA.....

LEGISLATION

Year 2000 was adopted The GEODETIC ACTIVITIES ACT

-
- Establish Central section of Land Surveyors inside IZS
- Set up the institute of licensed (authorized) land surveyor
- Define the condition for licensed (authorized) land surveyors
- Define the contents of Professional Examinations for land surveyors
-

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LEGISLATION

Year 2000 was also adopted

The REGISTRATION of REAL ESTATE, STATE BORDER and SPATIAL UNITS ACT

The legislation regulating the field of land surveying stipulates that certified land surveyors shall implement the following activities:

- property line location,
- parceling,
- restoration of parcel boundaries in the field,
- land consolidation,
- parcel boundary adjustment,
- demarcation of legal regimes,
- determining actual land use,
- registration of buildings and parts of buildings in the Building Cadastre.
- land marking and geodetic imaging,
- geodetic works required in urban planning

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Geodesy in SLOVENIA.....

CENTRAL SECTION of LAND SURVEYORS

The register of certified land surveyors kept by the Central Section of Land Surveyors comprises 262 B. Sc. in Geodesy

In order to become member of the Central Section of Land Surveyors, the candidate must have a college or university degree and must have passed the certification examination in land surveying

The certification examination consists of a general part and a part related to a specific field of expertise

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Geodesy in SLOVENIA.....

CENTRAL SECTION of LAND SURVEYORS

Priority of the Central Section of Land Surveyors remains the protection of the interests of its members and the care for the professional development of land surveying.

In this respect, the Central Section of Land Surveyors has to carry out many activities:

- professional training and education,
- standardization,
- alteration of legal bases,
- the establishment of international contact

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CENTRAL SECTION of LAND SURVEYORS

The Central Section of Land Surveyors is headed by the President and the Management Board, the highest body of the Central Section being the Central Section Convention

Board of Land Surveying Experts - This is an independent arbitrator, which in case of discussions in its field of expertise, delivers only the expert opinion and thus creates written »land surveying practice«. The Board of Land Surveying Experts consists of five (5) prominent members of the Central Section that have been elected at the Central Section Convention. Each of these members specializes in a different field of work

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CENTRAL SECTION of LAND SURVEYORS

We hope,
that this **CENTRAL SECTION of LAND SURVEYORS**,
which is the part of
Slovenian Chamber of Engineers,
will next year

BECOME a MEMBER of CLGE

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REAL ESTATE DATA - PRESENT SITUATION

LAND CADASTER IN DIGITAL

LAND REGISTER IN DIGITAL

(manage the Supreme court of the RS)

BUILDING CADASTER IN DIGITAL



NOT connected

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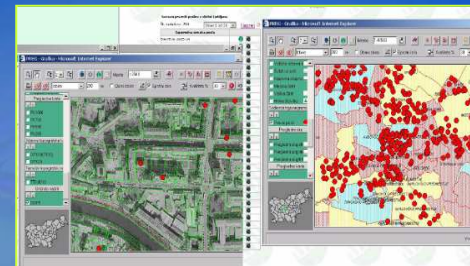
REAL ESTATE DATA - PRESENT SITUATION

REAL ESTATE INVENTORY 2007

Labels on the form:

- Leto obnove strehe
- Leto obnove fasade
- Število etaž
- Številka pritlične etaže
- Leto izgradnje stavbe
- Material nosilne konstrukcije
- Tip stavbe
- MŠ upravnika
- Način temeljenja
- Tehnološki plin
- Industrijski lok
- Komprimiran zrak

REAL ESTATE MARKET TRANSACTIONS



MASS VALUATION

| Površina (m ²) | | Efektivno leto | | | | | | | | | |
|----------------------------|-----------------------|----------------|------|------|------|------|------|------|------|------|------|
| | | 1934 | 1935 | 1944 | 1945 | 1954 | 1964 | 1974 | 1984 | 1994 | 2004 |
| 0 - 14 | Osnova m ² | | | | | | | | | | |
| 15 - 29 | Osnova m ² | | | | | | | | | | |
| 30 - 44 | Osnova m ² | | | | | | | | | | |
| 45 - 59 | Osnova m ² | | | | | | | | | | |
| 60 - 89 | Osnova m ² | | | | | | | | | | |
| 90 - ... | Osnova m ² | | | | | | | | | | |

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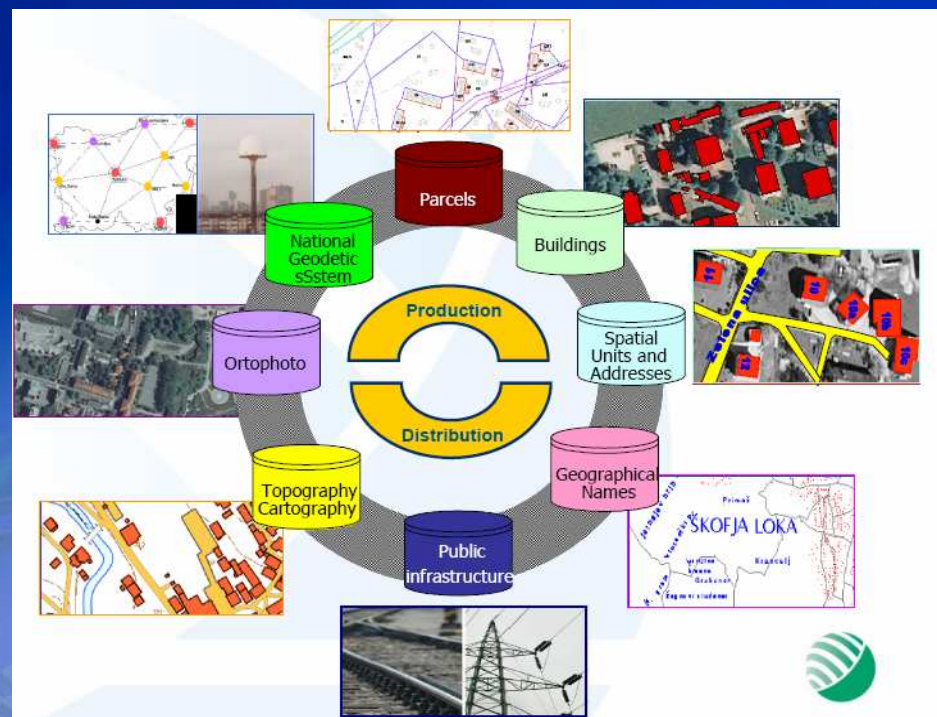
ALL DATA COVER ENTIRE TERRITORY

ALL DATA ARE REGULARLY UPDATED

ALL DATA AVAILABLE IN DIGITAL OVER THE WEB

ALL DATA AVAILABLE TO ADMINISTRATION, CITIZENS AND PROFESSIONALS THROUGH DIFFERENT SECURITY PROTOCOLS

ALL DATA ARE BASE FOR ANY SPATIAL ORIENTED ADMINISTRATIVE OR BUSINESS PROCESS



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Thanks for your attention

Central section of Land Surveyors
Slovenian Chamber of Engineeres

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