



REPUBLIC GEODETIC AUTHORITY



ВЛАДА РЕПУБЛИКЕ СРБИЈЕ
GOVERNMENT OF THE REPUBLIC OF SERBIA

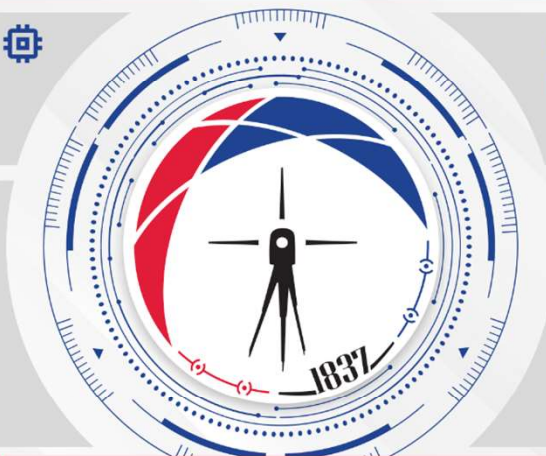
COMPREHENSIVE REFORM OF LAND ADMINISTRATION AND GEOSPATIAL MANAGEMENT IN SERBIA





REPUBLIC GEODETIC AUTHORITY - THE HIGHEST QUALITY, SECURITY, AND INFORMATION MANAGEMENT STANDARDS

11000 digital processes per **SECOND**



>3000 employees

>400 law graduates

>800 graduate engineers

>3,8 Petabytes of data

>50% of employed are women

LEADER IN DIGITALIZATION



More than **4000** computers



More than **500** virtual and **70** physical servers



More than **330** institutions are digitally connected to **RGA**



More than **185** years of professional existence



At **170** locations in Serbia

AN INSTITUTION OF PUBLIC INTEREST, PART OF THE STATE'S CRITICAL INFRASTRUCTURE, AND A SYSTEM OF IMPORTANCE FOR THE SECURITY OF THE REPUBLIC OF SERBIA.

REGISTER OF INFORMAL OBJECTS - PUBLICLY AVAILABLE

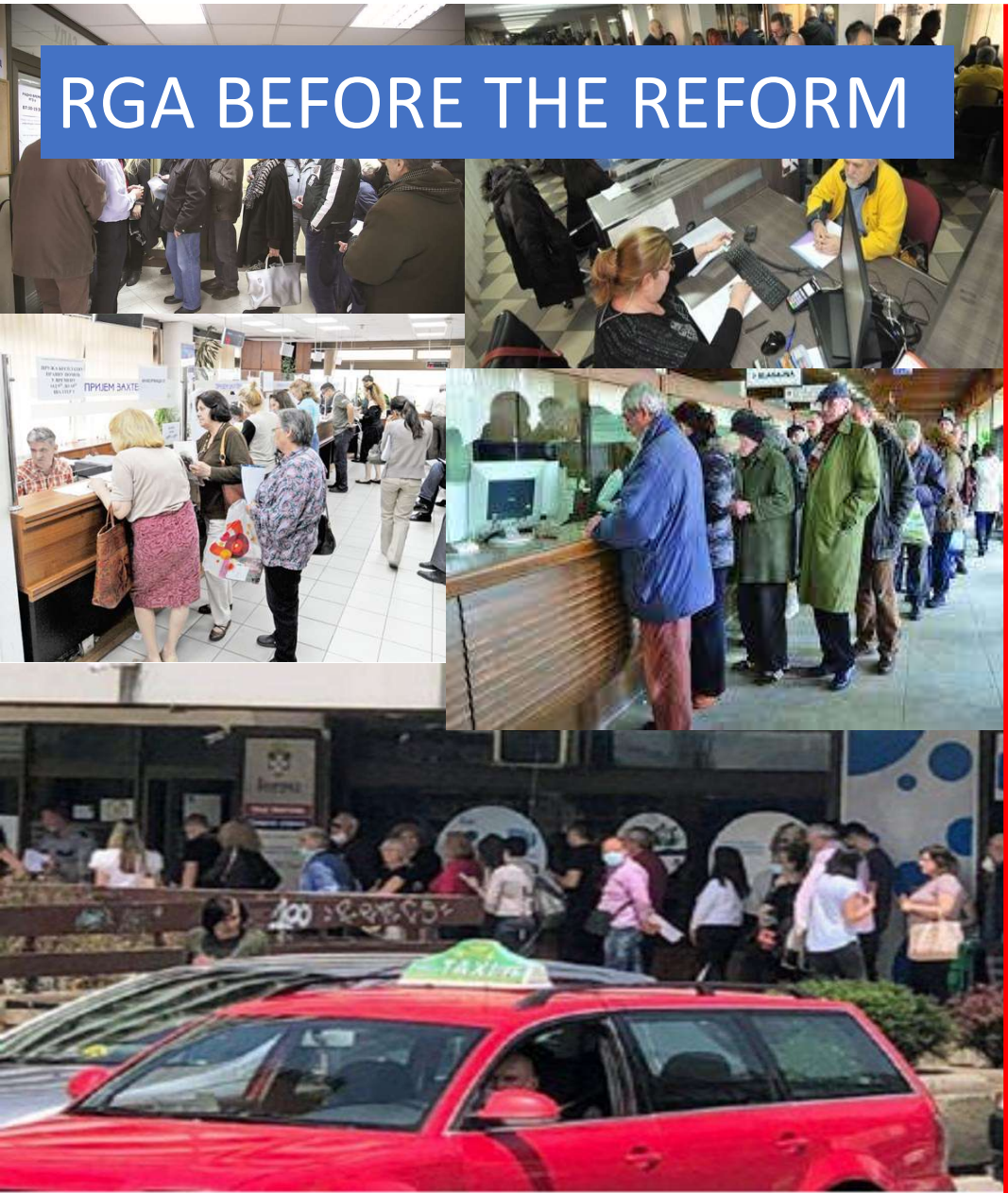
NUMBER OF FORMAL AND REGISTERED OBJECTS - 4.911.436

NUMBER OF INFORMAL OBJECTS - 4 782 469

- CONSTRUCTION INDUSTRY
- BANKING AND FINANCIAL SECTOR
- INVESTMENT SECTOR
- INSURANCE
- TELECOMMUNICATION
- ENERGY
- SALES AND MARKETING
- TRANSPORT AND LOGISTICS
- URBAN PLANNING AND SPATIAL PLANNING
- CITIZENS

The screenshot displays a web application interface for a public register of informal objects. The main view is an aerial map of a residential area with numerous buildings. A search bar at the top left contains the text "Pretraži kartografske podatke". On the right side, there is a sidebar titled "Izbor tema i slojeva" (Selection of themes and layers) with a tree view containing the following items: "Administrativne jedinice", "Adrese", "Registar objekata" (expanded), "Nov objekat 2015 - 2016", "Nov objekat 2020 - 2021", "Izmenjen ili uklonjen objekat 2015-2016" (checked), "Izmenjen ili uklonjen objekat 2020-2021" (checked), "Katastar" (expanded), "Objekti" (checked), "Parcele", and "KO metoda premera" (unchecked). A detailed information panel for a selected object is open, showing the following data: "Izmenjen ili uklonjen objekat 2020-2021", "Object id: 17733", "Matični broj opštine: 70254", "Matični broj KO: 704083", "Objekat ID - KN", "Objekat ID: 70408301904", "Broj parcele: 2877/1", "Površina KN", "Površine evidencija: 21.00", "Izvor podataka geometrija: Evidencija 2015/2016", and "Epoha promena: Satelitski snimci 40cm 2020-2021". At the bottom of the panel are buttons for "Preuzmi PDF" and "Prikaži". The bottom left corner of the application shows "KATASTAR" and "OSNOVNE KARTE" logos, and the bottom right corner says "Developed by asolan Vlak AS".

RGAs BEFORE THE REFORM



RGAs AFTER THE REFORM



COMPREHENSIVE REFORM OF GEOSPATIAL AND LAND ADMINISTRATION SYSTEM 2016-2023



REPUBLIC GEODETIC AUTHORITY

The **overall goal** - support the economic reform of the Government by effective provision of information in the sphere of real-estate and geospatial related activities for the **fast, easy and rightfull decision-making at all strategic levels.**

KEY PILLARS OF REFORMS



Participatory
Transparency
Equal access to information
Efficiency
Gender equality
Accountability

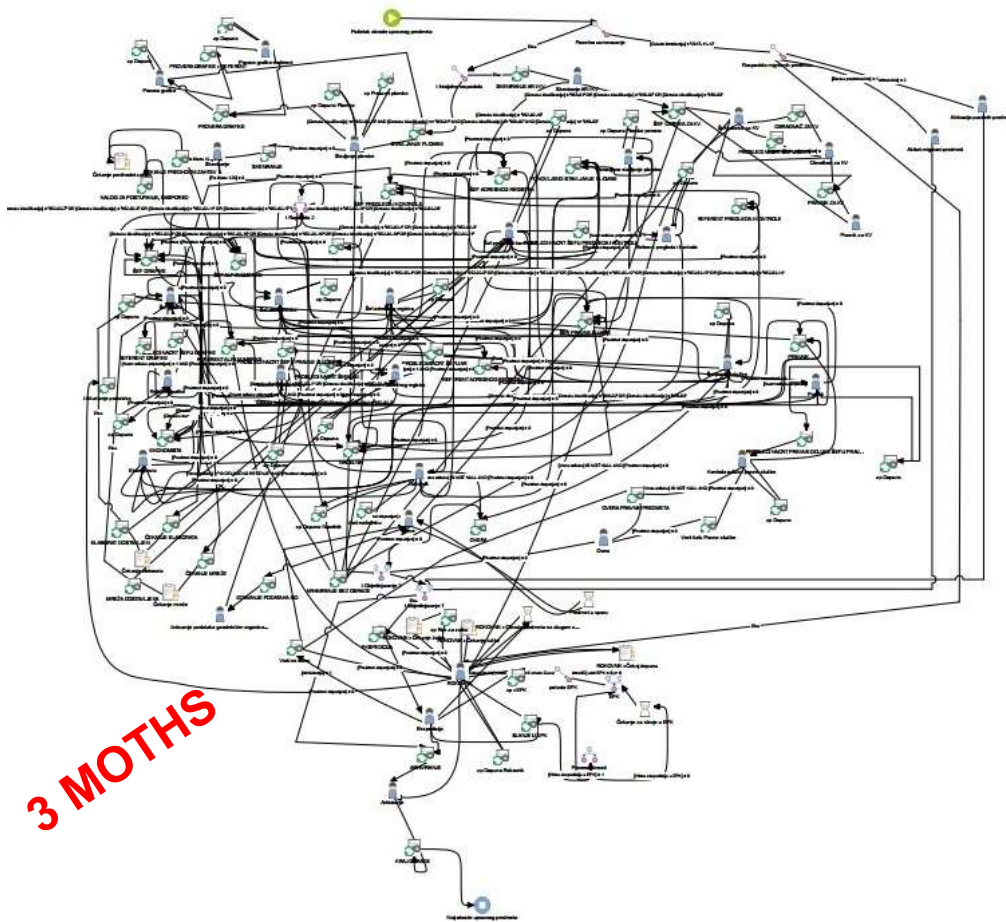
SIMPLIFIED BUSINESS PROCESSES

Changed policy, many laws, procedures and technologies
Since July 2018 all services are available **end-to-end digital**



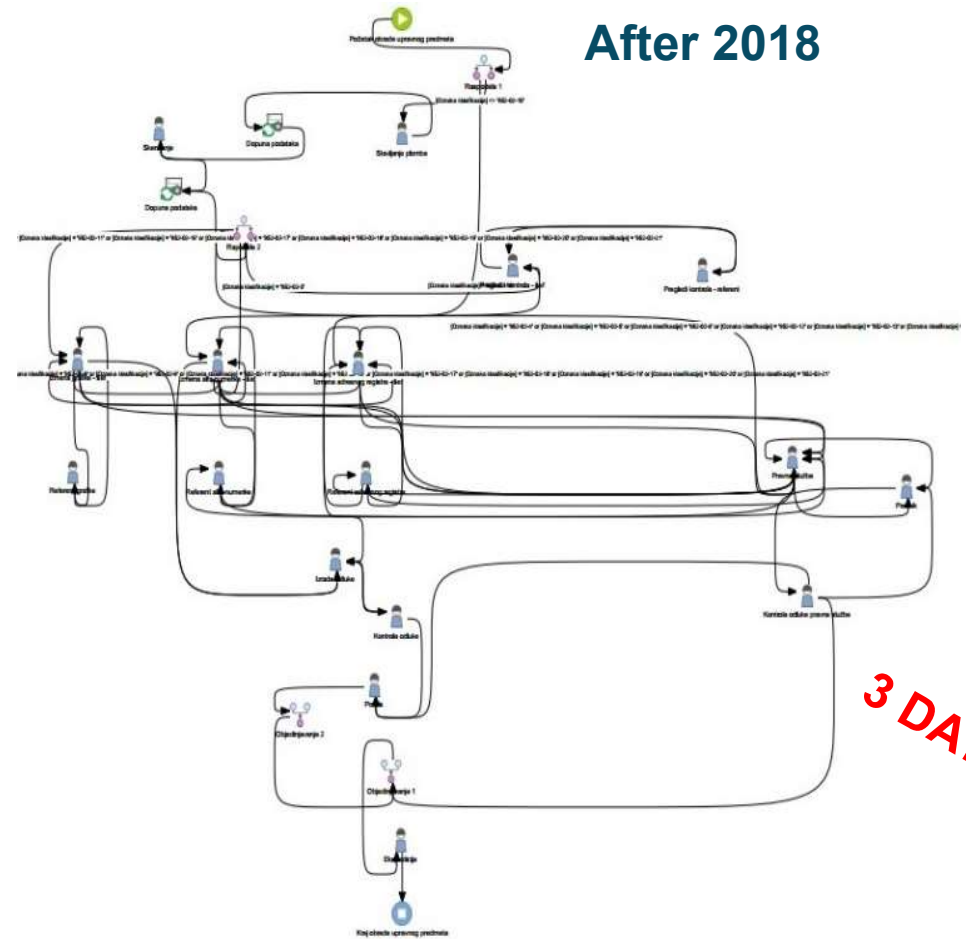
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Before 2018



3 MONTHS

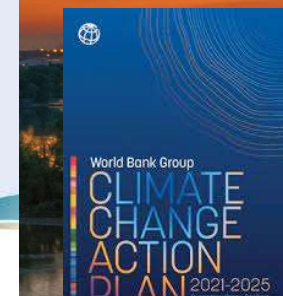
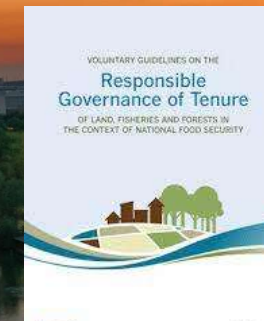
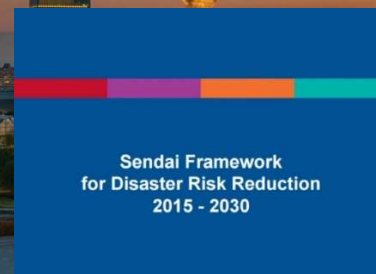
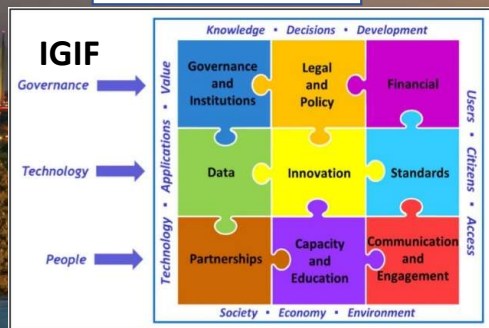
After 2018



3 DAYS

TODAY: RGA = PLATFORM (SmartSDI)

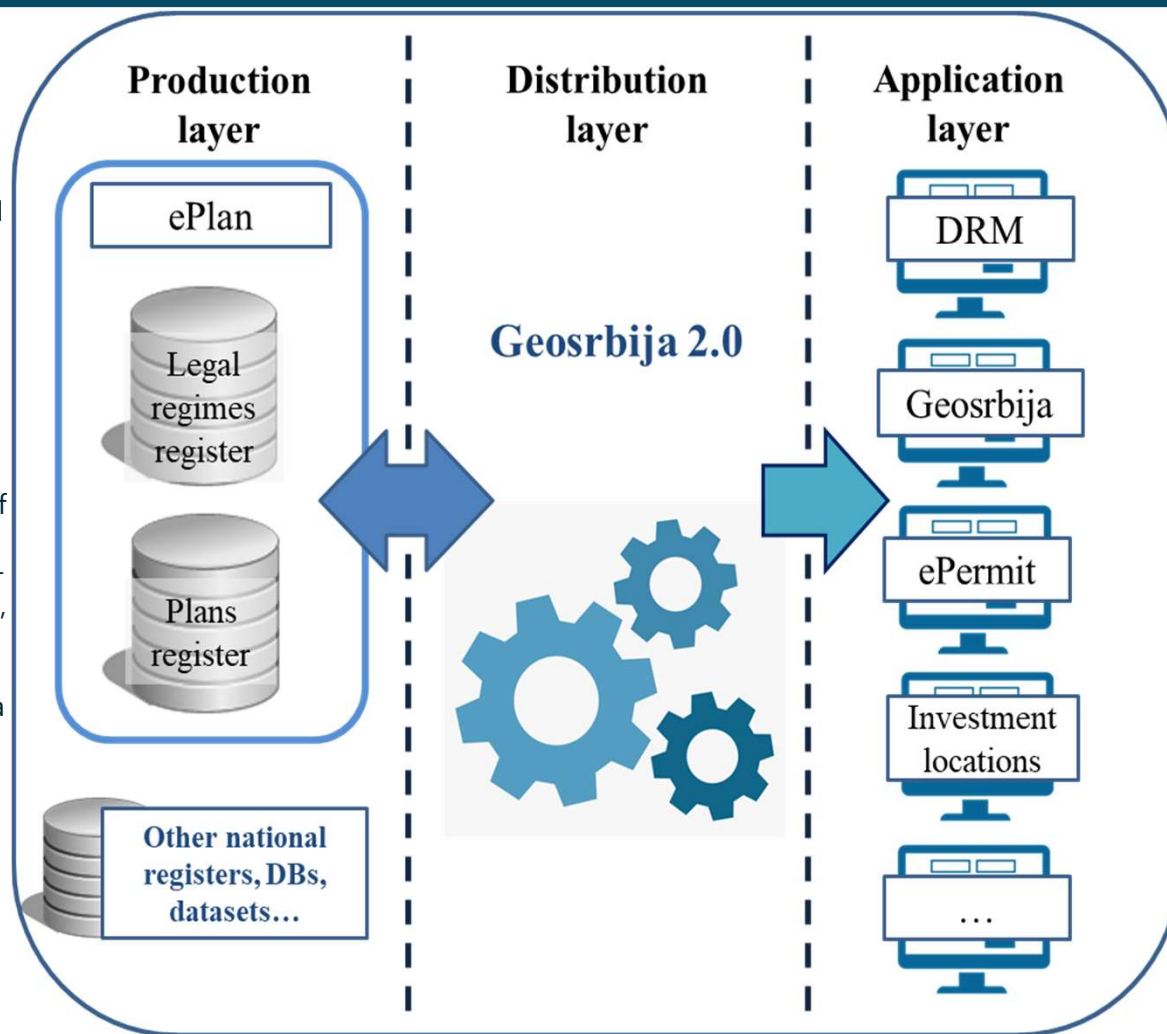
Republic geodetic authority is a platform for informative decision making based on geospatial data



INTEGRATED SPACE FOR DIGITAL DATA

SYSTEM eSPACE

- ▶ For the creation and management of public policies aimed at integral and sustainable development, while introducing the advantages of digital and open Government in Serbia
- ▶ To integrate all national digital registers, databases and systems important for determining the conditions of sustainable development for each specific location (the so-called place-based approach), as well as providing access to geospatial data and public services when, where and in a way that suits the needs of citizens, private sector and public administration

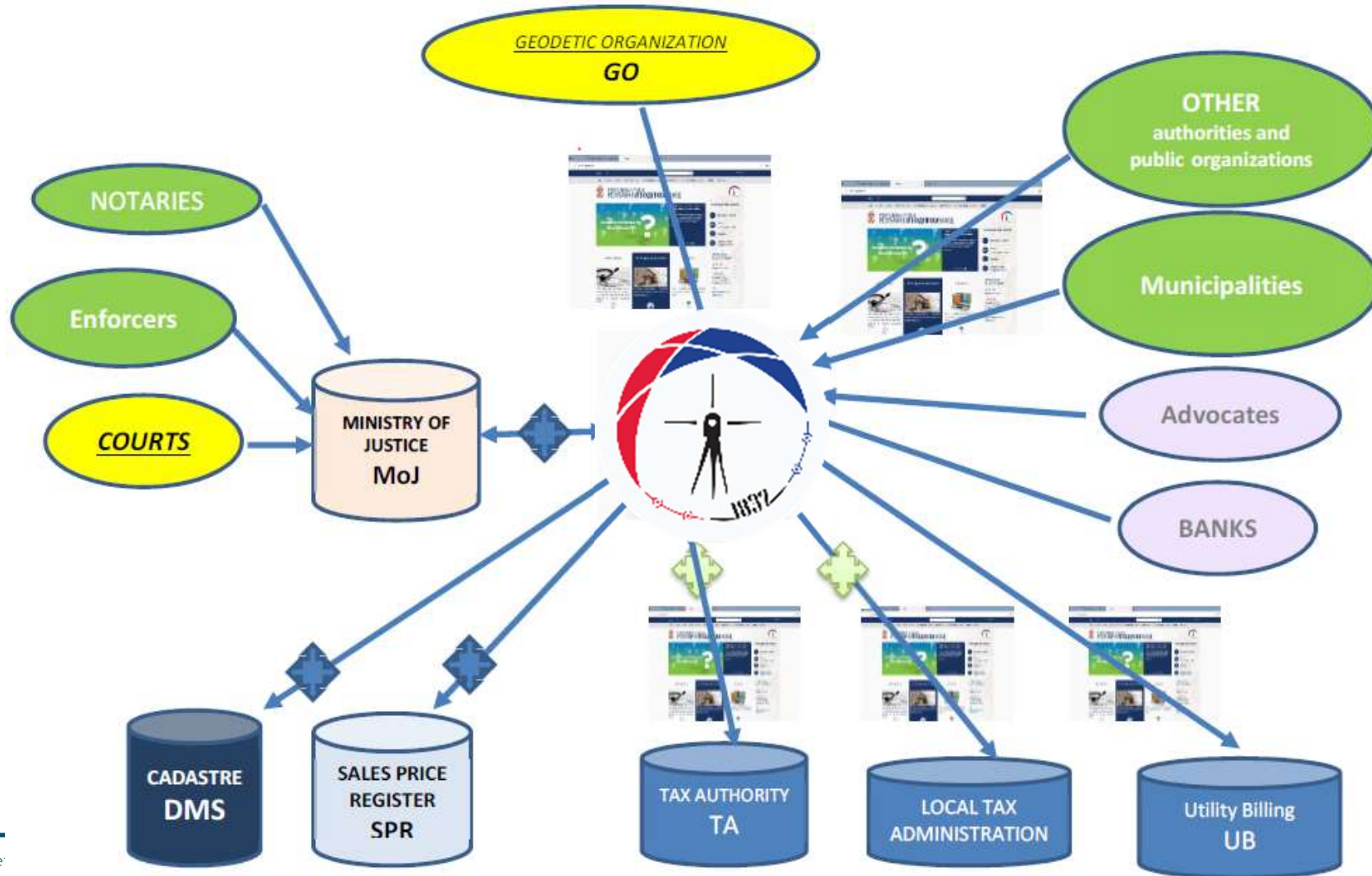




REPUBLIC GEODETIC AUTHORITY

LAND ADMINISTRATION SYSTEM

eFrontDesk and eServices



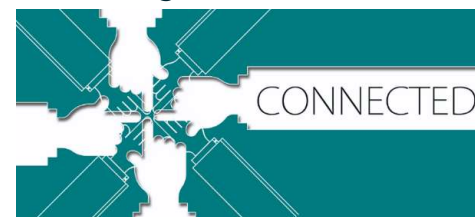
EXAMPLE OF BENEFITS FOR CITIZENS OF SERBIA

- ▶ **LEADERSHIP AND GOOD MANAGEMENT + COMMUNICATION AND ENGAGEMENT = SYSTEM SUCCESS**
- ▶ Digitization of real estate cadastre data, automation of processes and development of technological solutions made it possible to abolish the REAL ESTATE DEED
- ▶ Over 220 institutions have direct access to the CENTRAL BASE OF REAL ESTATE REGISTRATION through the Service Highway of state bodies - the most numerous and active local governments

SAVINGS FOR CITIZENS

> 25 000 000 hours compared to the old system, when they had to personally obtain documents at the counter

> 120,5 miliona euros how much they would pay for administrative fees before the digitization of the cadastre





TRENDS IN THE REAL ESTATE MARKET



Вредност годишњег промета непокретности у Србији у милијардама евра



БРОЈ ТРАНСАКЦИЈА НЕПОКРЕТНОСТИ У СРБИЈИ



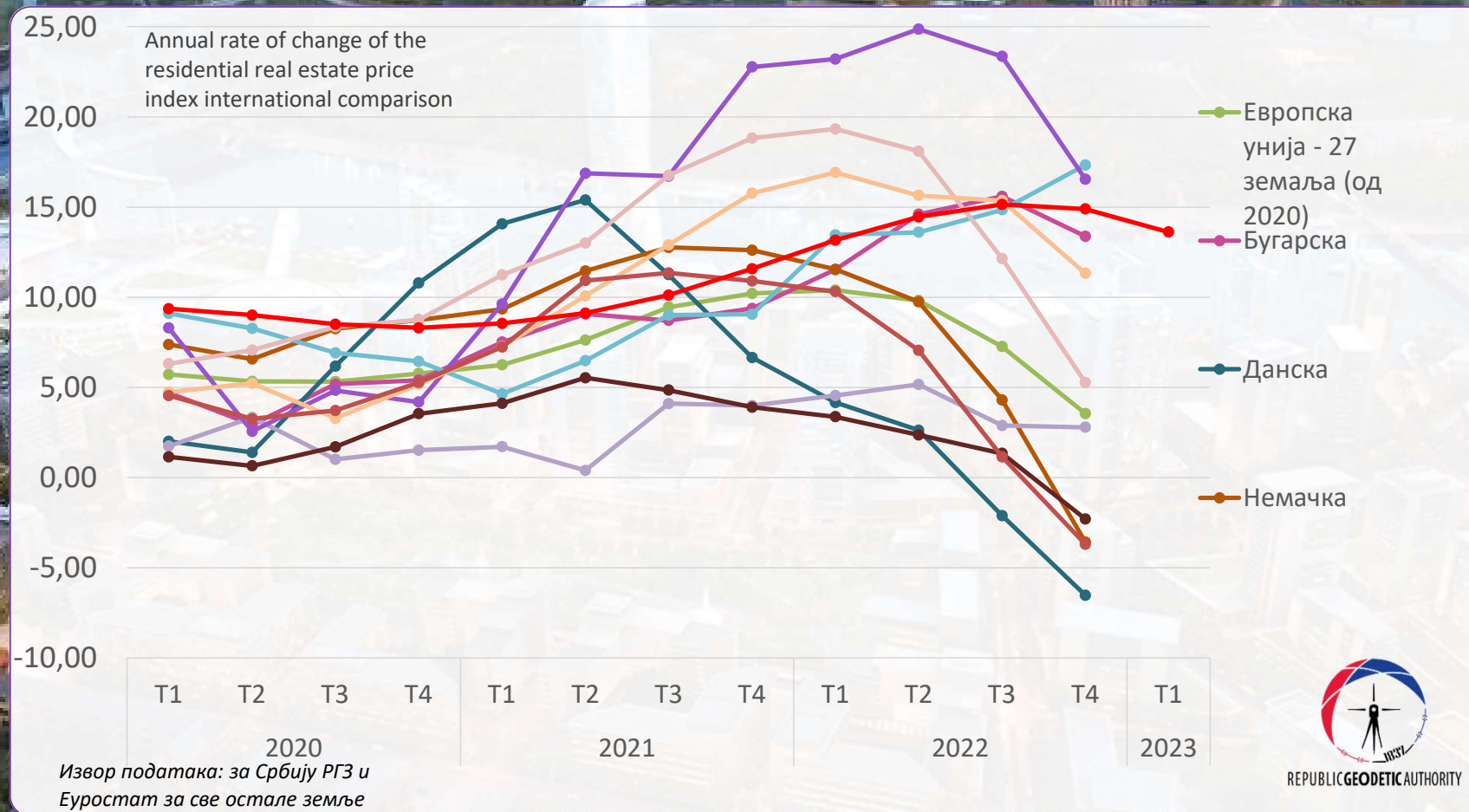
РЕПУБЛИЧКИ ГЕОДЕТСКИ ЗАВОД



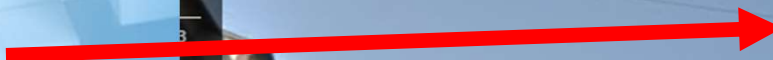
РЕПУБЛИЧКИ ГЕОДЕТСКИ ЗАВОД

INTERNATIONAL COMPARISON

Our real estate market is showing greater resilience to global economic changes



Adress: Lomina 39, Savski
venac, Belgrade

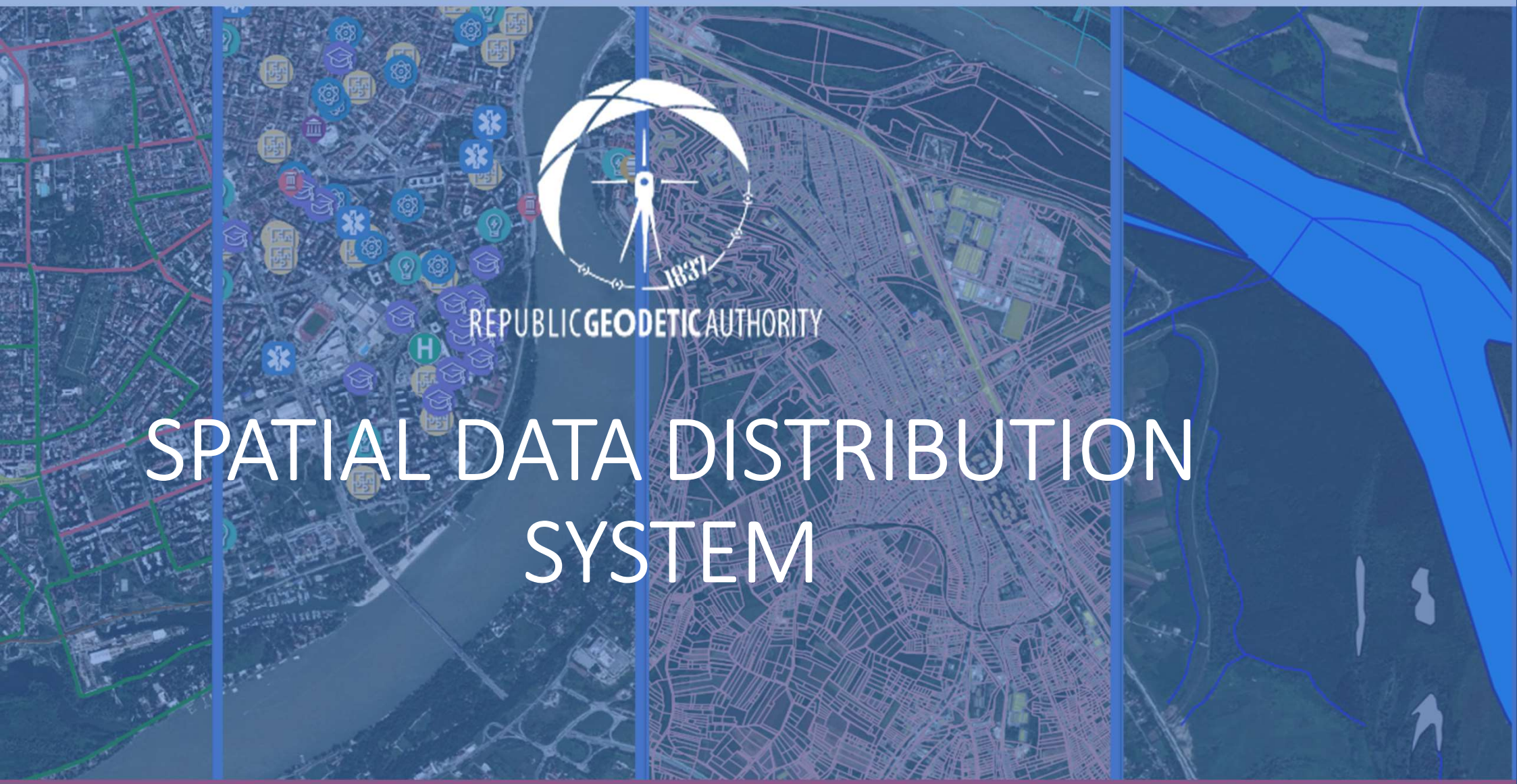


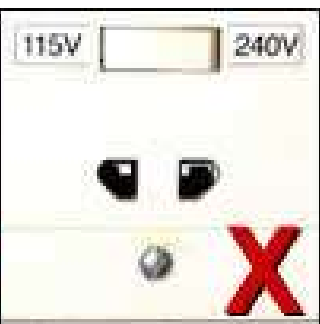
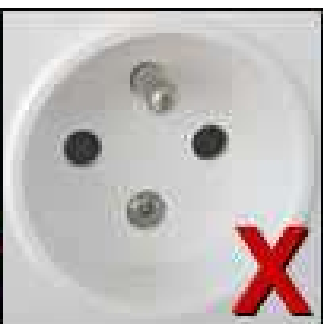
Number of Rooms	Floor	Sale date	Contract price	TASP	RATIO	Appraisal Value	Apartment Area (m2)
Studio	Ground Level					53,100	20
Studio	Ground Level	2021-Oct	50,000	56,600	0.94	53,100	20
Studio	7 th floor					68,100	25
One room Apartment	Ground Level	2018-Mar	64,000	93,000	1.08	100,600	41
One room Apartment	6 th floor					106,200	42
One room Apartment	3 rd floor	2017-Dec	75,000	110,400	0.98	107,800	42
Two and a half room apartment	7 th floor					110,800	44
Two and a half room apartment	5 th floor					151,800	63
Two rooms apartment	4 th floor	2018-Mar	101,000	146,800	1.03	151,800	63
Two rooms apartment	6 th floor	2022-Mar	143,000	154,700	1.00	155,000	63



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SPATIAL DATA DISTRIBUTION SYSTEM





North America
Grounded
NEMA 5-15

Japan
Non-grounded
JIS C 8303

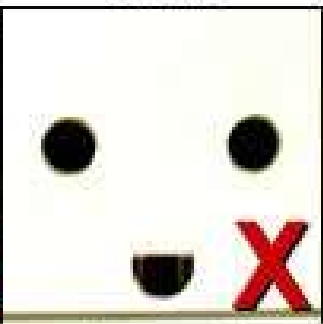
Europe
German style
CEE7/4 Schuko

Europe
French style
Schuko

Europe/Russia
Non-grounded
CEE7/16 Europlug

Great Britain
Grounded
BS-1363

Great Britain
"Shaver socket"
BS-4573



Australia/China
Grounded
AS-3112

Italy
Grounded
CEI 23-16

Switzerland
Grounded
SEV-1011

Denmark
Grounded
SRAF 1962/DB

Israel
Grounded
SI 32 (IS 16A-R)

India
Grounded
BS-546 "Small"

South Africa
Grounded
BS-546 "Large"

GEOSERBIA – DIGITAL PLATFORM WITH MORE THEN 330 DATA SETS AND 15M SESSIONS/MONTH



Utility Cadastre:
Water supply network
Sewage network
Telecommunication
Gas...



Real Estate Cadastre
Ownership, Mortgages...
Informal Buildings and
Properties

CONDOMINIUM REGISTER – ALL DETAILS ABOUT BUILDINGS IN SERBIA

Search for content in selected sources

N: 4963137 E: 457569

STRAHIŃIĆA BANA 66A

Hits (5)

СТАМБЕНА ЗАЈЕДНИЦА ДОБРАЧИНА 33
Condominium registrar

СТАМБЕНА ЗАЈЕДНИЦА ДОБРАЧИНА 33
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Condominium registrar

СТАМБЕНА ЗАЈЕДНИЦА ДОБРАЧИНА 33
Condominium registrar

Condominium registrar (pro)

Пословно име:
СТАМБЕНА ЗАЈЕДНИЦА СТРАХИЊИЋА
БАНА 66А

Име Управника: СОЊА

Презиме управника: ПАНТЕЛИЋ

Број телефона: 069/5060947

Имејл: sonjap.profi@gmail.com

Download PDF Zoom to

Layer Manager Pro Collapse >

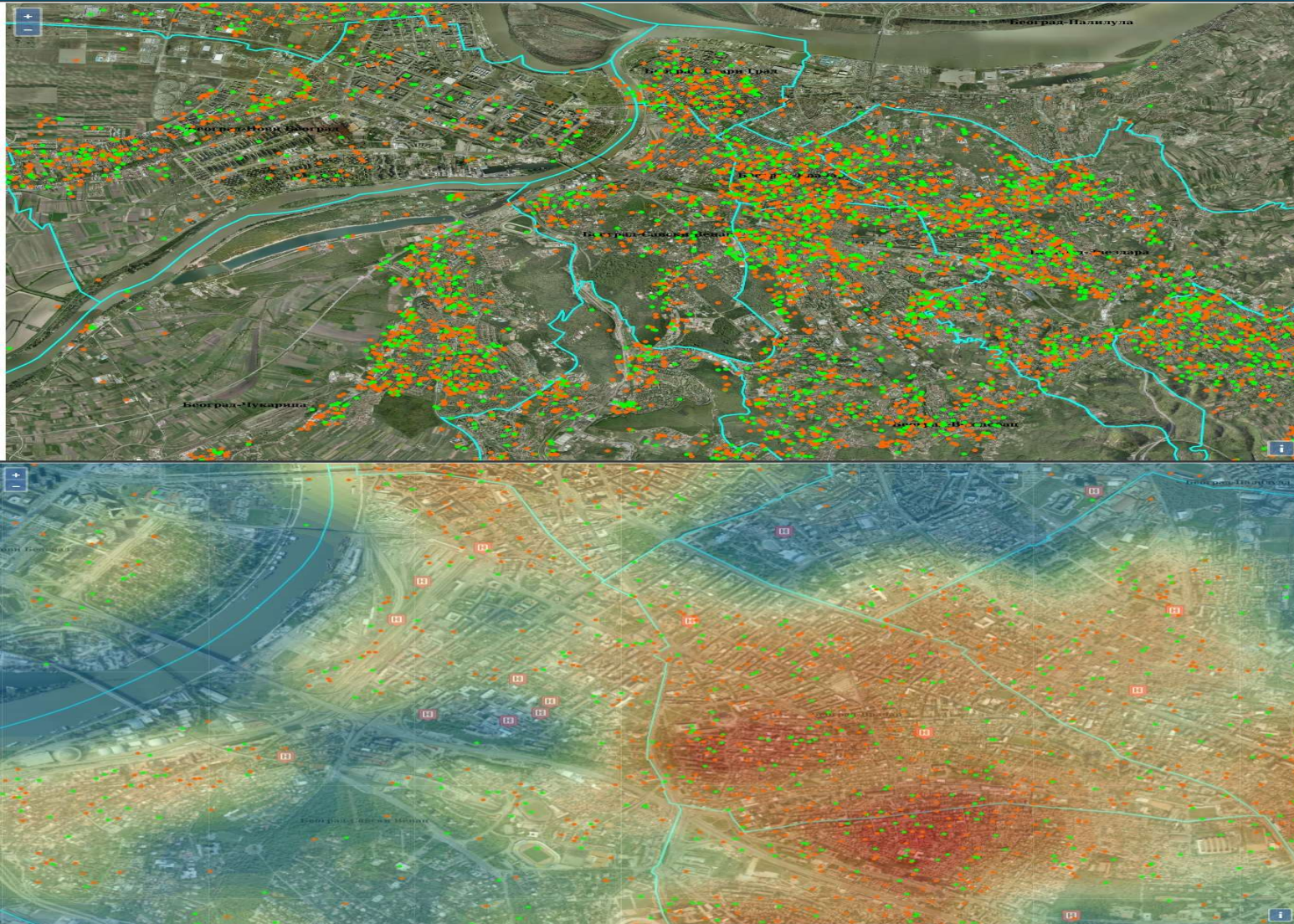
- Administrative Units
- Addresses
- Building register**
- Cadaster
- Utility Cadaster
- Geographical Names Register
- Condominium register
 - Condominium registrar
 - Condominium registrar (pro)**
- Price Register
- Points of interest
- Coordinate reference systems
- Ortophoto

CADASTER

BASEMAPS

EPSG:32634 N: 4961994 E: 458833 Scale 1 : 10 000 Darko Vučićić Developed by Asplan Vlak AS

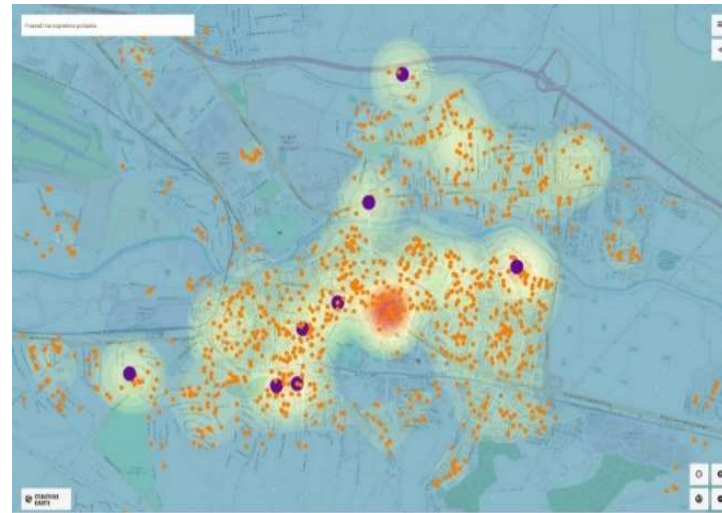
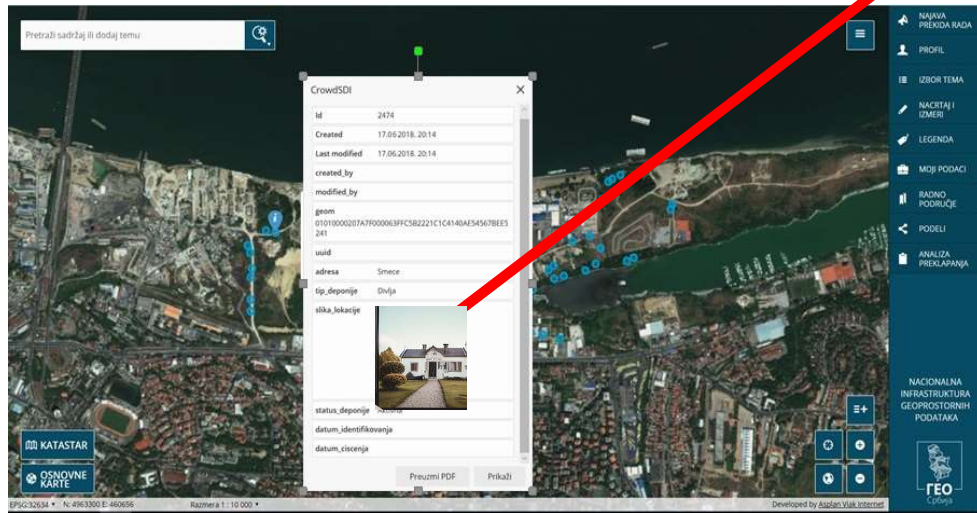
“GREEN PASSPORTS” FOR ENERGY-EFFICIENT BUILDINGS - MONITORING



Layer Manager Pro Collapse >

- State authorities ⌵ ⚙
- City authorities ⌵ ⚙
- Local authorities and tax administra... ⌵ ⚙
- Judicial authorities ⌵ ⚙
- Real Estate Cadastre Services ⌵ ⚙
- Religious buildings ⌵ ⚙
- Buildings ⌵ ⚙
- ▾ Social welfare institutions ⚙
 - Nursing home ⌵ ⚙
 - Social welfare facilities ⌵ ⚙
- ▾ Cultural Institution ⚙
- ▾ Educational institutions ⚙
- ▾ Health institutions ⚙
 - Hospital ⌵ ⚙
 - Special hospital ⌵ ⚙
 - Community health centre ⌵ ⚙
 - Health Institute ⌵ ⚙
 - Pharmacy ⌵ ⚙
 - Other health care institutions ⌵ ⚙

CrowdSDI – Crowdsourcing tool for collecting vast amount of information rapidly



Potential to gather a vast amount of information rapidly and at a relatively low cost, enabling comprehensive and up-to-date insights into the characteristics and conditions of houses and buildings

AN EXAMPLE OF GOOD PRACTICE - Address Register Update Project

Serbian population : 7,020,858

2016 - 3.028.020 no adresses

NOW – 99% COVEREGE OF ADRESSES IN SERBIA

CrowdSDI

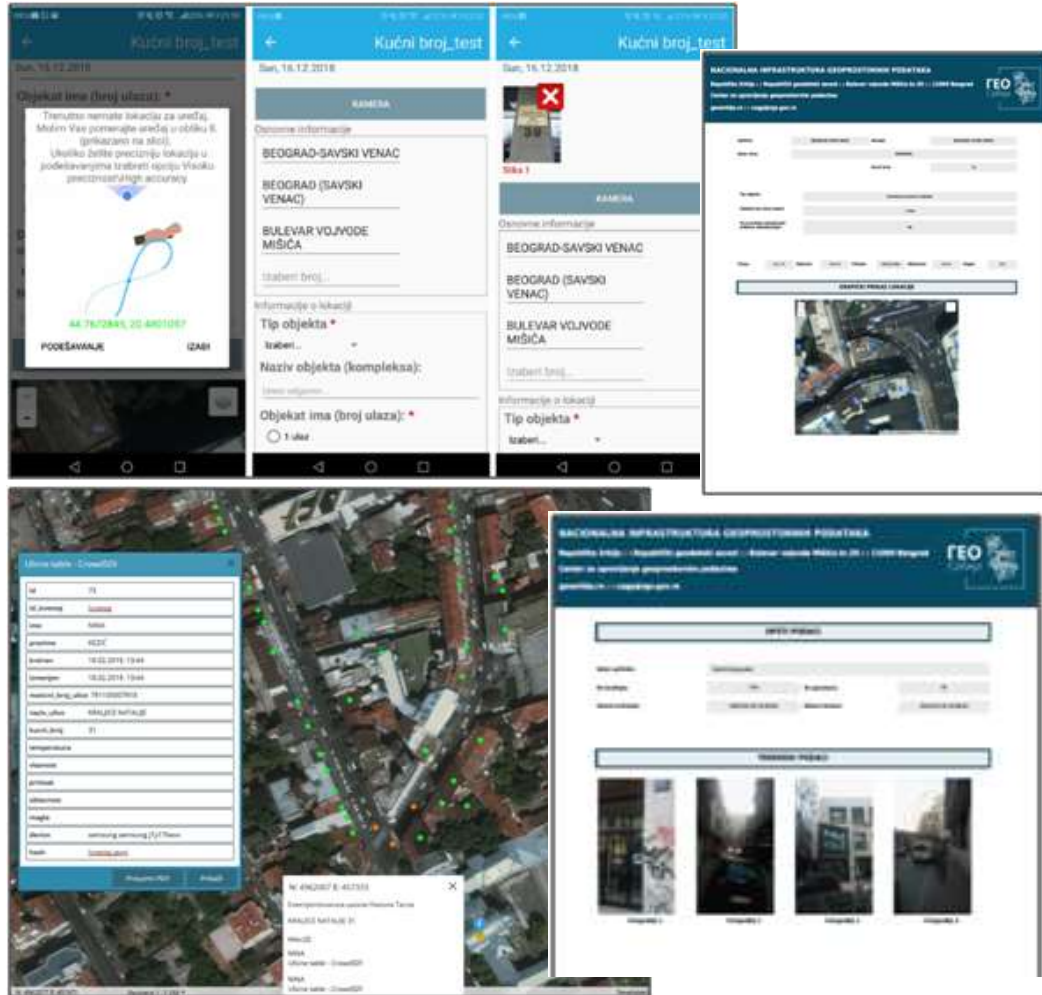


Mechanism for fast field data acquisition for the purposes of monitoring, creating a new register or quality improvement of the existing one.

Good example of cost effective data collection, where the data reliability is system guaranteed.

*** Service available to registered users with contract.**

Link to the application: <https://crowdsdi.geosrbija.rs>



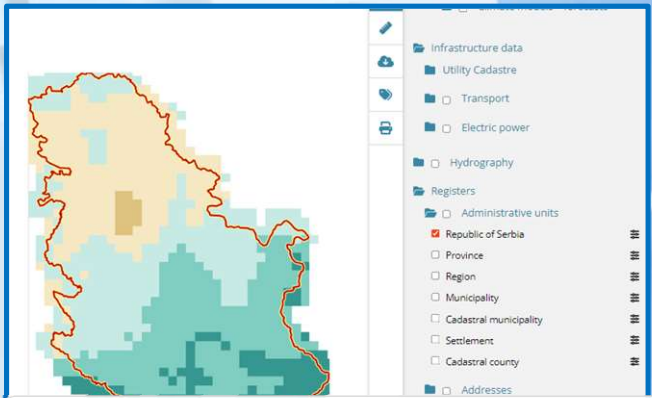
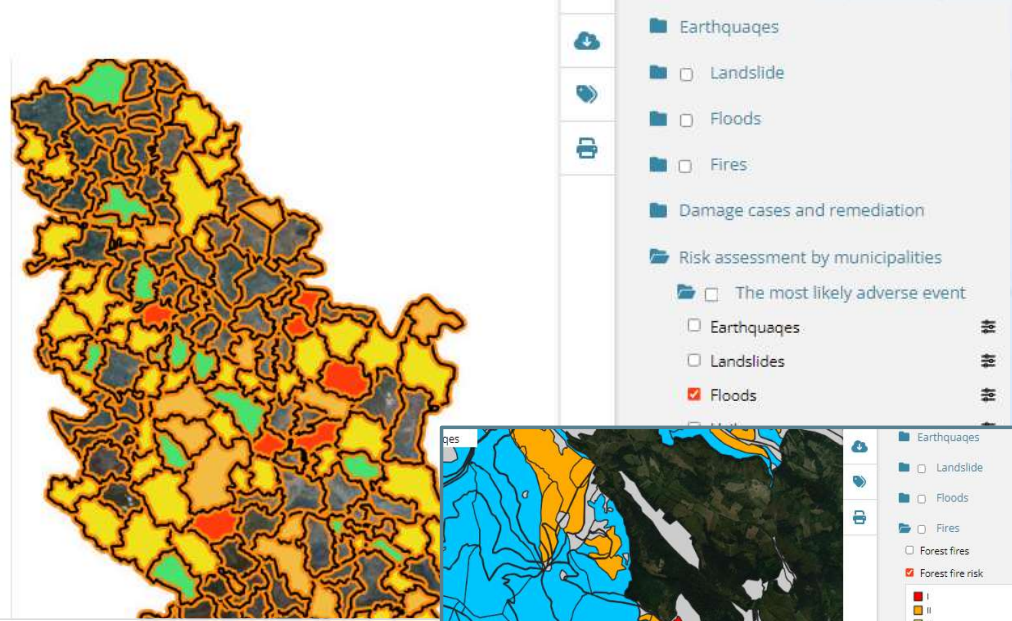
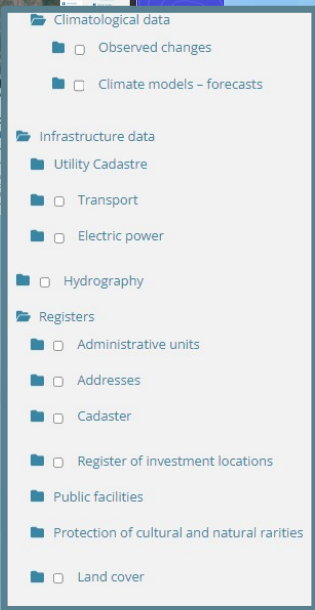
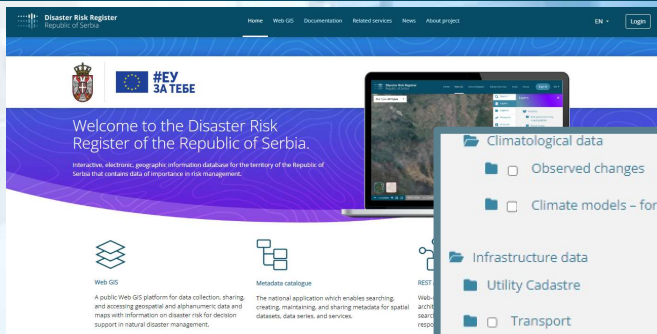


REPUBLIC GEODETIC AUTHORITY

DISASTER RISK MANAGEMENT AND REDUCTION SYSTEM

Most popular subsystem of Geosrbija

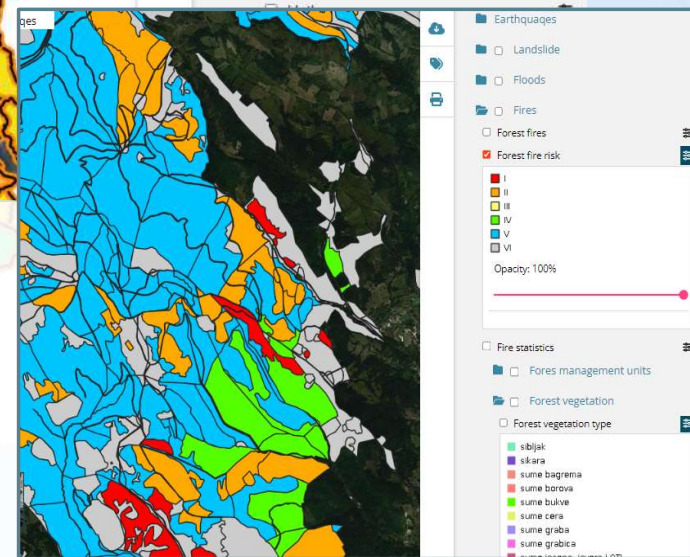
GIS data in a single spot for professional and timely risk management.
Good example of integration with other registries and international cooperation.



Disaster Risk Register

Interactive, electronic INFORMATION SYSTEM containing data of importance for risk management.

Link to the application: <https://drr.geosrbija.rs>





Analiza u toku

Izađite

Pretraga

Izbor tema

Legenda

Merenje

Analiza

Dodaj WMS

Izvoz

Analiza



1 2 3

Izlaz

earthquakes

landslides

floods

stormy wind

pandemic

epidemics

droughts

blizzards, drifts and ice,
cold wave

Sledeći korak



1:2500000

ESPG 32634 N 1.123456 E 1.123456

1 km



Analiza u toku [Izađite](#)

Pretraga

Izbor tema

Legenda

Merenje

Analiza

Dodaj WMS

Izvoz

Analiza

1 2 3

Izlaz

occurrence of risk at a specific location

proportion of threatened area according to individual risk

the number of people at risk

threatened infrastructure

endangered objects

endangered public institutions

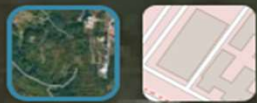
national threat statistics

analysis of data on repair of damage to buildings

occurrence of risk at a specific location

Nazad

Sledeći korak



1:2500000 +

ESPG 32634 N 1.123456 E 1.123456

1 km



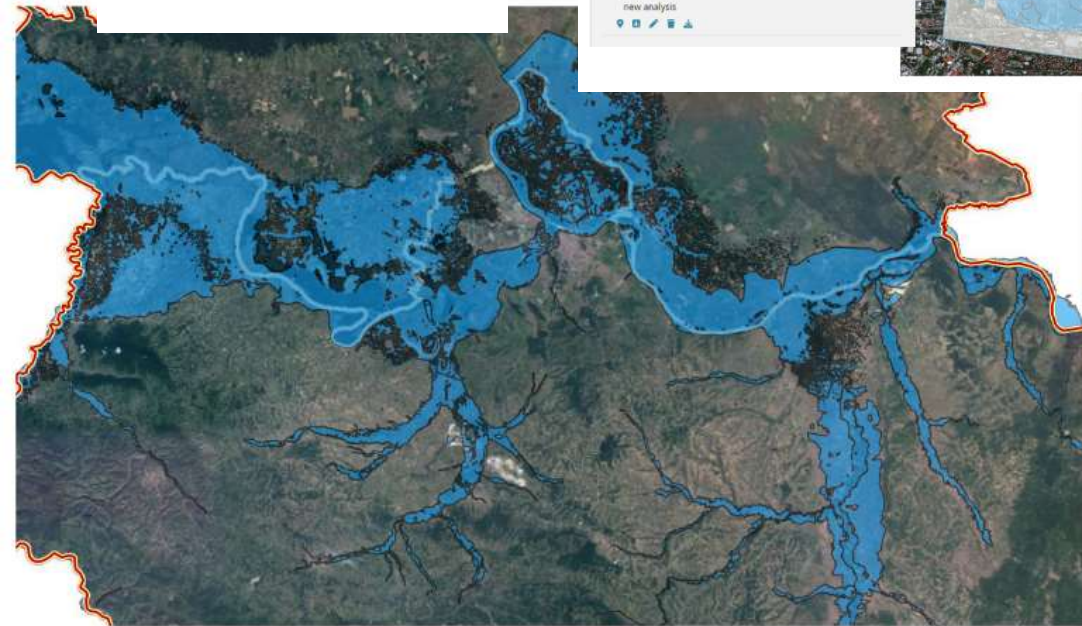
1

2

3

4

5



Registar rizika od katastrofa
Prezentacija

Datum analize: 26. 04. 2023

Obuhvaćeni parametri analize:
1. Tip rizika: Poplave
2. Tip analize: Ugroženi objekti
3. Područje: drawing

Prikaz grafičkih podataka:

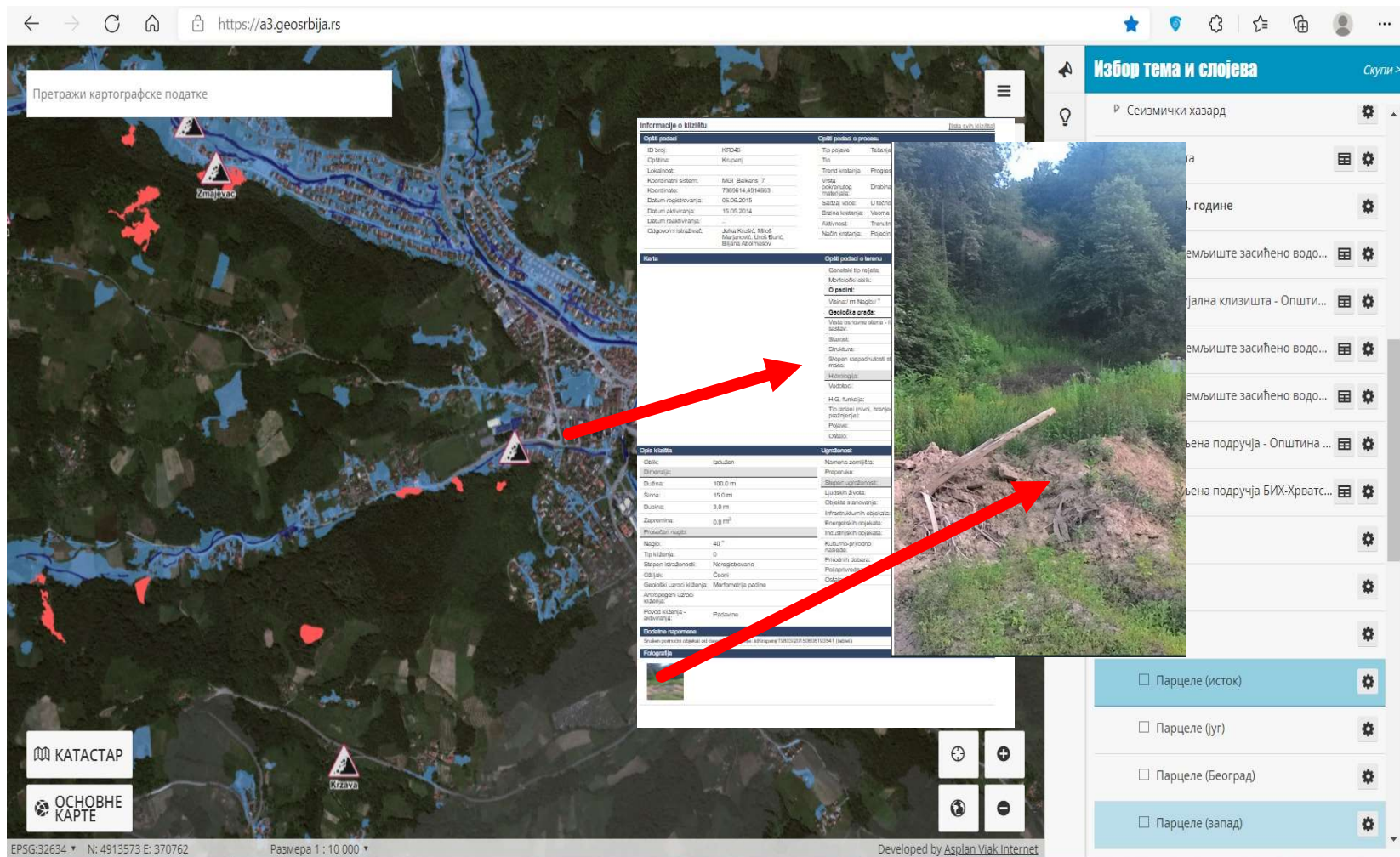
Zbirni rezultati analize br. 253

Tip objekta	Ukupna broj objekata	Ukupna površina objekata
Ugroženi objekti	253	20892 m ²
Ugroženi objekti vani od toplot	194	30976 m ²

Rezultat analize br. 253

Opisna oznaka	Imena korisnika	Ugroženost	Površina
ПАНОВИЦА 703907-81120-7	БЕПАНОВИЦАИ ОБЈЕКАТ	90	36
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-719-4	БЕПАНОВИЦАИ ОБЈЕКАТ	90	16
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-714-7	БЕПАНОВИЦАИ ОБЈЕКАТ	90	45
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-81120-2	БЕПАНОВИЦАИ ОБЈЕКАТ	90	13
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-719-5	БЕПАНОВИЦАИ ОБЈЕКАТ	90	216
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-716-2	БЕПАНОВИЦАИ ОБЈЕКАТ	90	53
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-14913-3	БЕПАНОВИЦАИ ОБЈЕКАТ	90	3673
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-716-1	БЕПАНОВИЦАИ ОБЈЕКАТ	90	47
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-716-40	БЕПАНОВИЦАИ ОБЈЕКАТ	90	79
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-14910-3	БЕПАНОВИЦАИ ОБЈЕКАТ	90	38
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-716-14	БЕПАНОВИЦАИ ОБЈЕКАТ	90	519
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-716-70	БЕПАНОВИЦАИ ОБЈЕКАТ	90	153
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-716-43	БЕПАНОВИЦАИ ОБЈЕКАТ	90	47
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-716-42	БЕПАНОВИЦАИ ОБЈЕКАТ	90	49
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-81120-3	БЕПАНОВИЦАИ ОБЈЕКАТ	90	10
БЕПАНОВИЦАИ			
ПАНОВИЦА 703907-716-41	БЕПАНОВИЦАИ ОБЈЕКАТ	90	911

LANDSLIDES, FLOOD ZONES, GEOLOGY, SEISMIC HAZARDS, ETC.



Претражи картографске податке

Избор тема и слојева

Сеизмички hazard

Informacije o klizistu	
Opšti podaci	Opšti podaci o procesu
ID broj: KR046	Tip pojave: Tačanst
Opština: Kulaševci	Tip: ...
Localnošt: ...	Trend kretanja: Progna
Koordinatni sistem: M89_Balkans_7	Vrsta: ...
Koordinate: 73696 14 49 14963	Područje: ...
Datum nastanka: 08.06.2015	Statja vode: U tačnu
Datum aktiviranja: 19.05.2014	Statja kretanja: ...
Datum deaktiviranja: ...	Aktivnost: ...
Organizacija izdatičav: Javna Agencija Republike Srbije za Geografske Informacije	Način kretanja: ...

Opšti podaci o kretanju	
Geometrija tipa kretanja:	...
Makroskopski opis:	...
O pisanje:	...
Vrhunac m nagibi:	...
Geološka grade:	...
Vrsta taložne stena i ispar:	...
Struktura:	...
Stepen razapadnosti stena:	...
Vodostaja:	...
H.G. funkcija:	...
Tip uslova (nivo, intenzitet padina):	...
Podaci:	...
Opis:	...

Opšti podaci o kretanju	
Opis:	...
Način nastajanja:	...
Prostorni raspon:	...
Nagib:	...
Tip kretanja:	...
Stepen razapadnosti:	...
Opis:	...
Geološki uslovi kretanja:	...
Antropogeni uslovi kretanja:	...
Podaci o kretanju:	...

Opšti podaci o kretanju	
Opis:	...
Način nastajanja:	...
Prostorni raspon:	...
Nagib:	...
Tip kretanja:	...
Stepen razapadnosti:	...
Opis:	...
Geološki uslovi kretanja:	...
Antropogeni uslovi kretanja:	...
Podaci o kretanju:	...

Катастар
ОСНОВНЕ КАРТЕ

EPSG:32634 N: 4913573 E: 370762 Размера 1 : 10 000

Developed by Asplan Viak Internet

Парцеле (исток)
Парцеле (југ)
Парцеле (Београд)
Парцеле (запад)



Search



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Register of Investment Locations

Locate • Invest • Register

Planned Land Use ▾

Area from

m²

Area to

m²

Location ▾

 Search



Republic Geodetic Authority

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ID No. 070049666

PIB: 100147152



The project is supported by:



LANTMÄTERIET



Pretražite



Registar

Napredna pretraga

Korisnička uputstva

SR

Uloguj se



Planirana namena

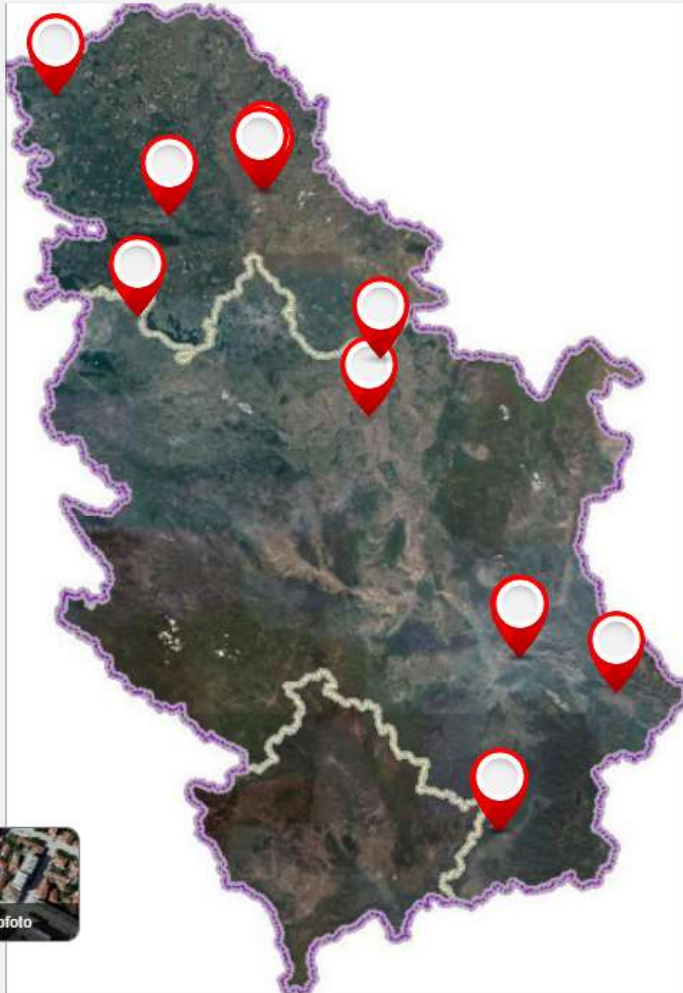
% Pripada slobodnoj zoni

Površina

Urbanistički parametri

Još filtera

Sačuvaj fil



Prikazujem 1 - 19 od 19



Investiciona
lokacija
Lozni Kalem
1

Grad Niš

67.657
m²

Verifikovan

23.203
m²

Verifikovan

22.751
m²

Verifikovan

Results Achieved

- ✓ Provides a tool for easy finding, comparing, analysing and presenting of investment locations;
- ✓ Standardized way of describing investment locations for the entire territory of the Republic of Serbia;
- ✓ Enabled collection of information by networking electronic services of various institutions;
- ✓ Collection of information by local self-governments is reduced only to attributes within their competence;
- ✓ Improved reliability, up-to-dateness and verifiability of data

Some benefits:

For State Institutions

- ✓ Enables the mechanism for review and planning of strategic investments and priorities;
- ✓ Decision making with a comparative overview of all capital infrastructure projects;

For Local Self-Governments

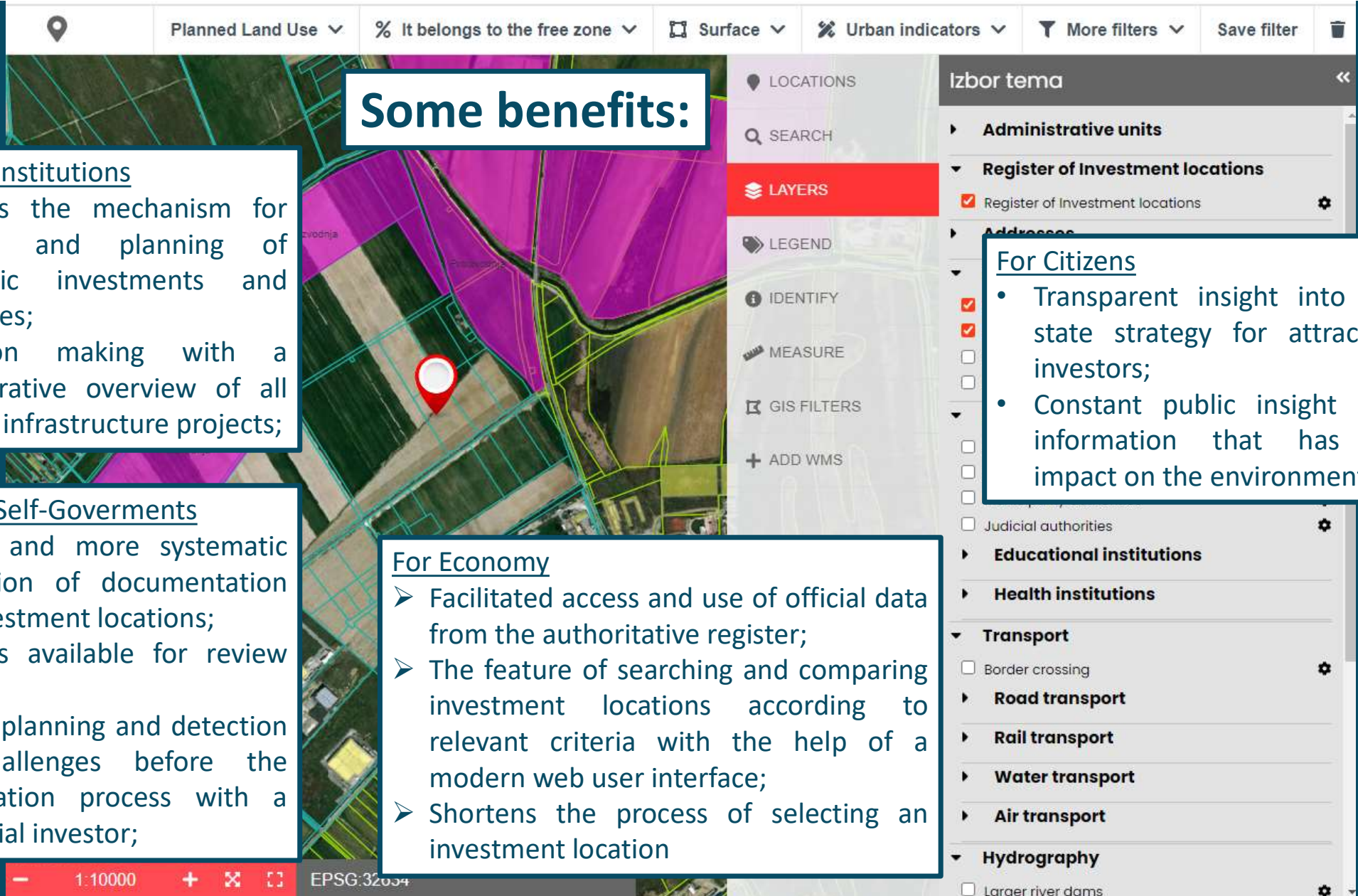
- Faster and more systematic collection of documentation on investment locations;
- Data is available for review 24/7;
- Better planning and detection of challenges before the negotiation process with a potential investor;

For Economy

- Facilitated access and use of official data from the authoritative register;
- The feature of searching and comparing investment locations according to relevant criteria with the help of a modern web user interface;
- Shortens the process of selecting an investment location

For Citizens

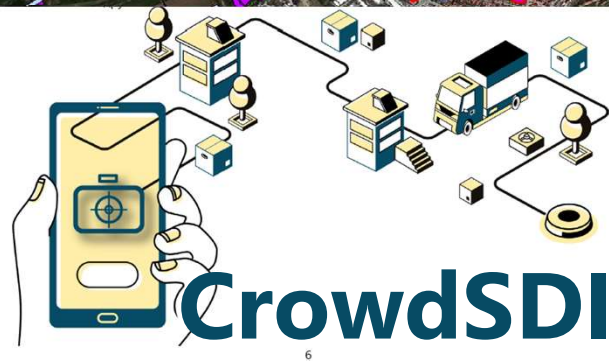
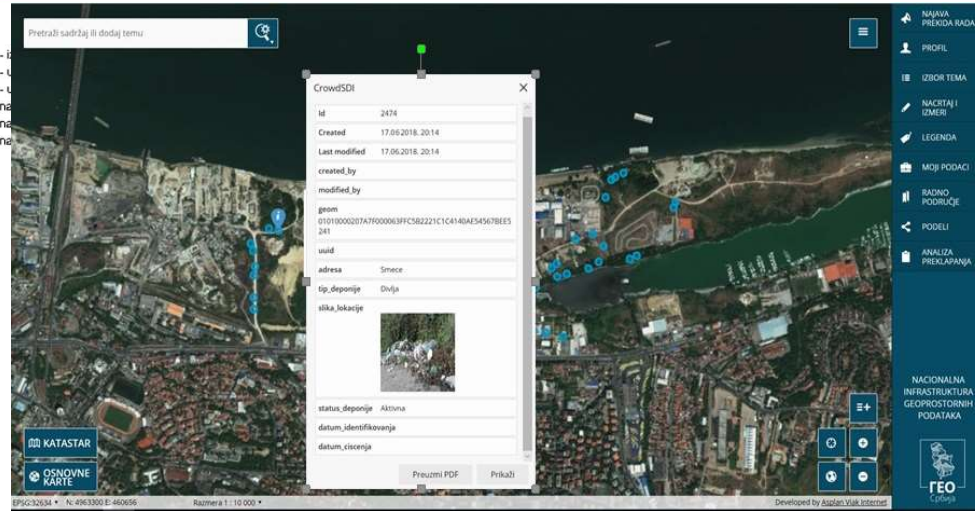
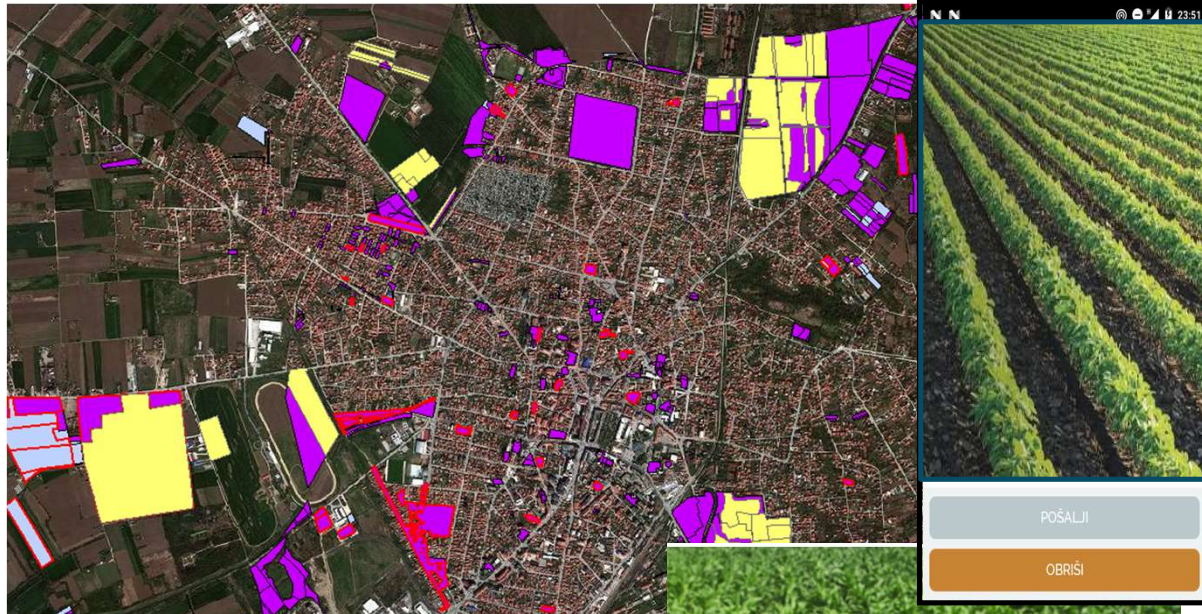
- Transparent insight into the state strategy for attracting investors;
- Constant public insight into information that has an impact on the environment



An aerial photograph of a rural area with a grid of fields and roads. Overlaid on the map are several semi-transparent colored polygons in shades of purple, blue, and red, representing different agricultural systems or land use zones. The text 'SYSTEM FOR AGRICULTURE' is centered in white. A small circular icon with a refresh symbol is in the top right corner.

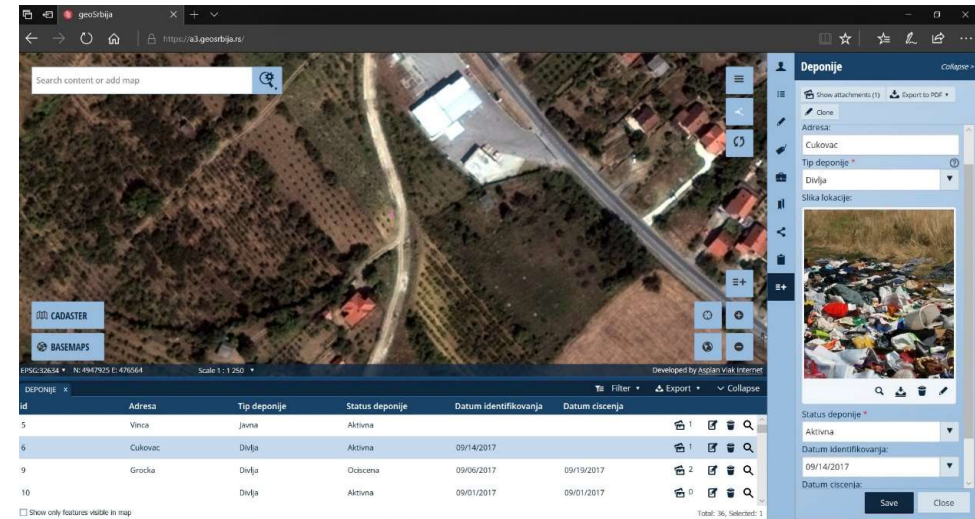
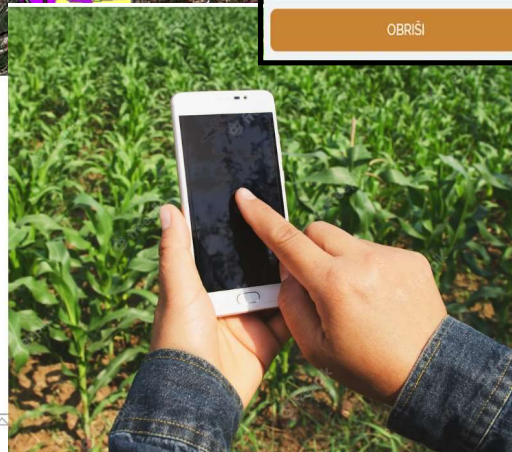
SYSTEM FOR AGRICULTURE

Crowdsourcing - Arrangement of agricultural land



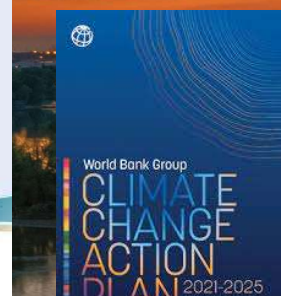
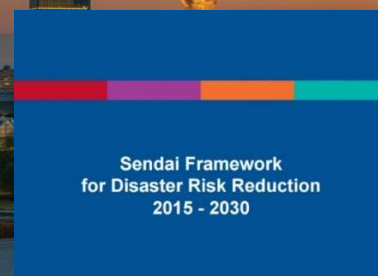
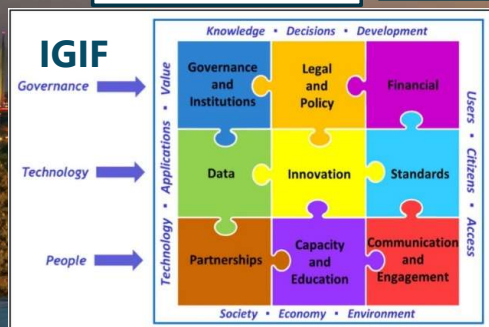
CrowdSDI

6



TODAY: RGA = PLATFORM (SmartSDI)

Republic geodetic authority is a platform for informative decision making based on geospatial data



**THANK YOU FOR YOUR
ATTENTION!**



REPUBLIC GEODETIC AUTHORITY

