



# Digital transformation of Croatian cities

Case study – Požega and Zagreb

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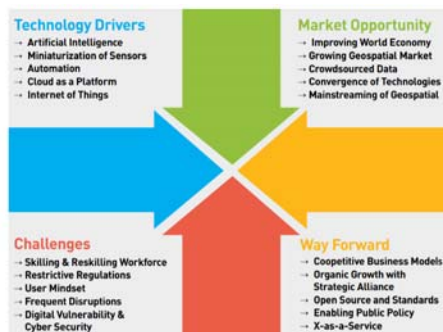
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## Drivers

- Disruptive technologies
- Law regulation
- Financing opportunities for the digital transformation projects
- Competition among cities



Source: Geospatial World Magazine; based on survey of 100+ CEOs, business leaders and 1,500 geospatial industry professionals worldwide

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## Activities

Performed as users:

- NSDI – to perform spatial analysis in investment planning
- eDozvola – system developed on national level, but local authorities use it in building permit process
- e-Račun – invoicing system

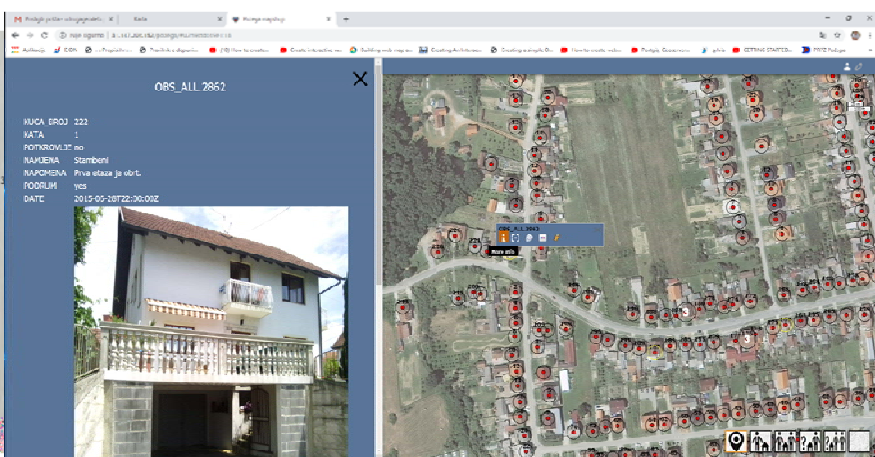
Performed as developers/providers:

- Implementation of Geoinformation system (GIS)
- Continuity of already introduced applications – KN (communal tax system), JBNC (roads database), Asset management – spatial register of properties, GIS system for recording of illegal landfill, Agriculture Land Administration Programme WebGIS

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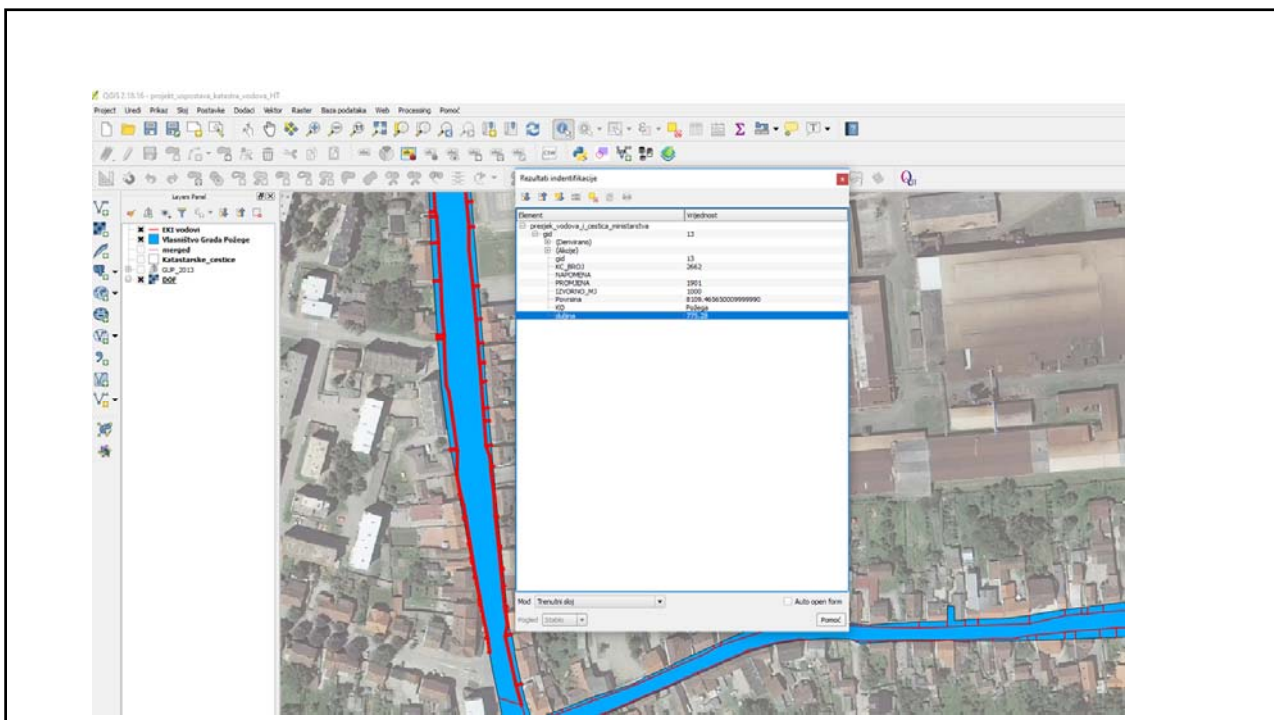
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## Activities



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## Activities

- Greenery cadastre (in final phase)



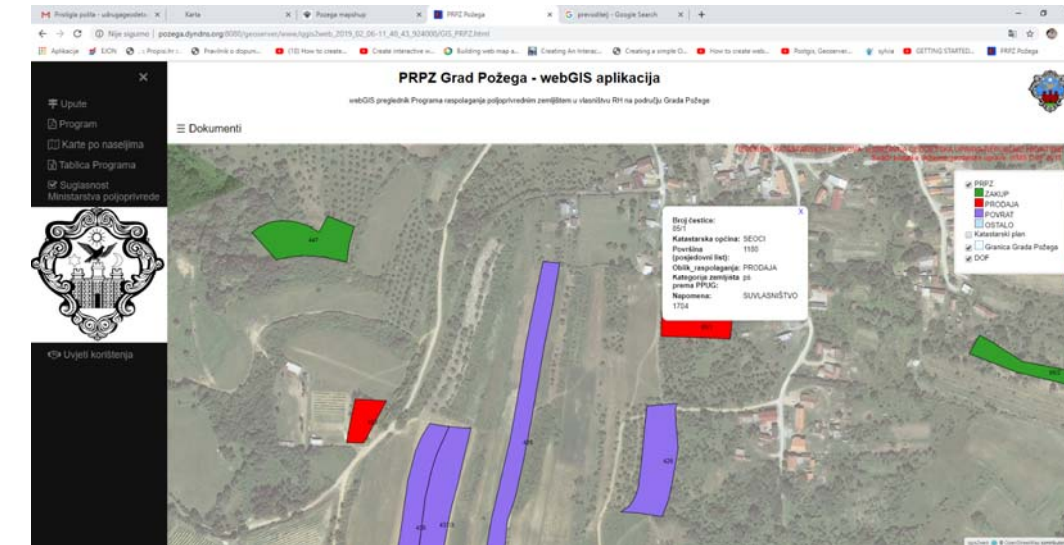
**ODRŽAVANJE ZELENIH POVRŠINA U GRADU POŽEGA - II. ZONA**  
**PLANIRANI POČETAK KOŠIJE 1.4.2015 (ili sukladno potrebama)**

Red. broj	Ime površine	Kadašina u m <sup>2</sup>	Interval košanja	Napomena
1.	Antonići	1214	2 x mjesečno	Lijeva i desna strana od ceste do nogostupa
2.	Ul. Ispušnica Pod gradom	1807	2 x mjesečno	
3.	Ul. Franjo Tuđmana	1227	2 x mjesečno	Lijeva i desna strana od ceste do nogostupa
4.	Ul. Praga Prohivica	90	2 x mjesečno	
5.	Dobrovoljci	8821	2 x mjesečno	Lijeva strana od ceste do nogostupa. Desna strana od nogostupa do kuća
6.	Imenja Čestica	2442	2 x mjesečno	Imenja čestice i nogostupe te od nogostupa do ulice HČ-a
7.	Stara Žestovina	5486	2 x mjesečno	Čist od samonikle do 113
8.	Imenja ulica	1052	2 x mjesečno	Lijeva i desna strana od ceste do nogostupa
9.	Orjanska ulica	3824	3 x mjesečno	Lijeva strana od ceste do špiljara te od špiljara na balkon ve od nogostupa do kuća. Desna strana od ceste do nogostupa, a od ul. ul. Kopačica od nogostupa do objekta 2 m
10.	Park "Star' grad"	444	2 x mjesečno	
11.	Pavla Kadića	800	2 x mjesečno	Kao ve samu površinu od mosta na Orjani do samonikle
12.	Pod gradom	285	2 x mjesečno	Desna strana od ceste do kuća i lijeva strana ulice žrnjaka
13.	Populinske investicije	385	2 x mjesečno	Lijeva i desna strana od ceste do nogostupa
14.	Stjepana Kadića	39	2 x mjesečno	Površina na brijunju na ulovima Alojzije Štegnica - kod brkve špiljara
15.	Ul. Ribka	1552	2 x mjesečno	Lijeva i desna strana od ceste do nogostupa (od postera Balon od do dimnjaka u Vrbodolu)
16.	Trg Matka Pavla	88	2 x mjesečno	Desna površina do Vipu Čestica i oko dimnja
17.	Zagrebačka II	10000	2 x mjesečno	Površina od dimnjaka prema Trgu do Vipu prema Orjanskojima (od ceste do stana) i od stana 1,5m prema ulovima
18.	Svetice i (od Komarčić)	2818	2 x mjesečno	
19.	Svetice II (od Komarčić)	1034	2 x mjesečno	Alio sa kući 1m. Ispred i desno od betonske 220 m <sup>2</sup> . Alio sa kući 1m. Ispred i desno od betonske 2827 m <sup>2</sup> .
UKUPNO:	BEZ SAMUPLANIRANJA TRAVE	87429		

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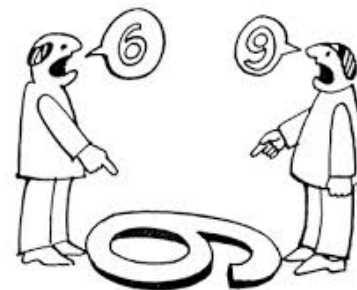
# Activities



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# Next



Source: <https://www.businessinsider.com.au>

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## How it works?

- Road maintenance department
- Damage report
- Repair order (emergency)
  
- Where?
- What exactly?



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## Smart Road Maintenance System



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## Instruments

- City resources management based on available technologies (disruptive technologies)

• Space → Geoinformatics  
 • ICT →

- Other technologies (smart benches, parking sensors, LED public lightning, e-BIKE, etc.)

### LEVERAGE/ADVANTAGES

- Reduction of human errors
- Remove misunderstanding
- Remove misinterpretation
- Enhance transparency

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## Goal

- Regulations – Law on NSDI, Law on Agriculture land, Law on Communal economy, Law on Environment protection, Law on Roads
- Increase of income
- Lower expenses
- Introducing new systems in economy and for the citizens
- Creating stronger reputation of city government
- Better efficiency of city administration as well as every local stakeholder



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