

# Key Performance Indicators (KPI) in the field of environmental protection and nature

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# General about CEA

## Croatian Environment Agency - CEA

- established 2002
- has the obligation to:
  - collect, analyse and interpret the environmental data
  - provide necessary information to implement the environmental policy to the state administration, the Government and the Parliament
  - preparing reports for both national and international needs
  - establish, develop and maintain Croatian Environment Information System – CEIS
  - All of this responsibilities are defined by law

# Project name and purpose

- Establishing a WEB based business intelligence (BI) GIS system for monitor and review the **key performance indicators (KPI)** in the field of environmental protection and nature – thematic sector: Waste management

## *PURPOSE OF THE PROJECT*

- Establish a up to date **modern** and **efficient** geographic information system for **public, expert community** and **media** with purpose to collect and **geo interpret data** and **information** with the aim of informing the wider public about the professional status of the implementation of projects and measures to protect the environment and nature at the national and local level. Provide quick and easy access to information to all interested parties. Ensure display and functionality on **mobile devices / platforms** (smartphones, tablets).

# Members of project results

## STAKEHOLDERS / decision makers:

- ✓ MZOIP – Ministry of Environmental and Nature Protection
  - (Minister/PR)
- ✓ FZOEU – Environmental protection and energy efficiency Fund
  - Environmental protection
  - Finances
- ✓ AZO – Croatian Environment Agency

## USERS:

- The general public
- Scientific and technical institutions
- NGOs (non government organizations)
- Units of local government / cities
- Other state and public administration
- Croatian Parliament
- Croatian Government
- Ministries
- State administrative organizations
- Agencies

# Project goals

- Calculation of KPI's according to the defined requirements / thematic units
- Establishment of a GIS system for browsing and spatial insight in KPI's

# THE CONTENT of KPI – Phase 1

- Number of recycling yards / special collection sites for waste in Croatia
- Quantity of municipal waste sent for recovery
- Quantity of landfilled waste
- Landfills according to their operational status
- Landfills according to their status of remediation/improvements
- Primary Selection of waste at source in Croatia (number of cities and municipalities)
- Total Amount of collected waste electrical and electronic equipment in Croatia
- Information about Co-financing of the remediation/improvements of landfills by the Croatian EPEEF

## CONTENT of KPI – Phase 2

- Status of co-financing contracts for utility equipment and infrastructure
- Co-financing of primary selection (budget)
- Status of co-financing contracts for national and nature parks
- Inclusion population component in existing indicators

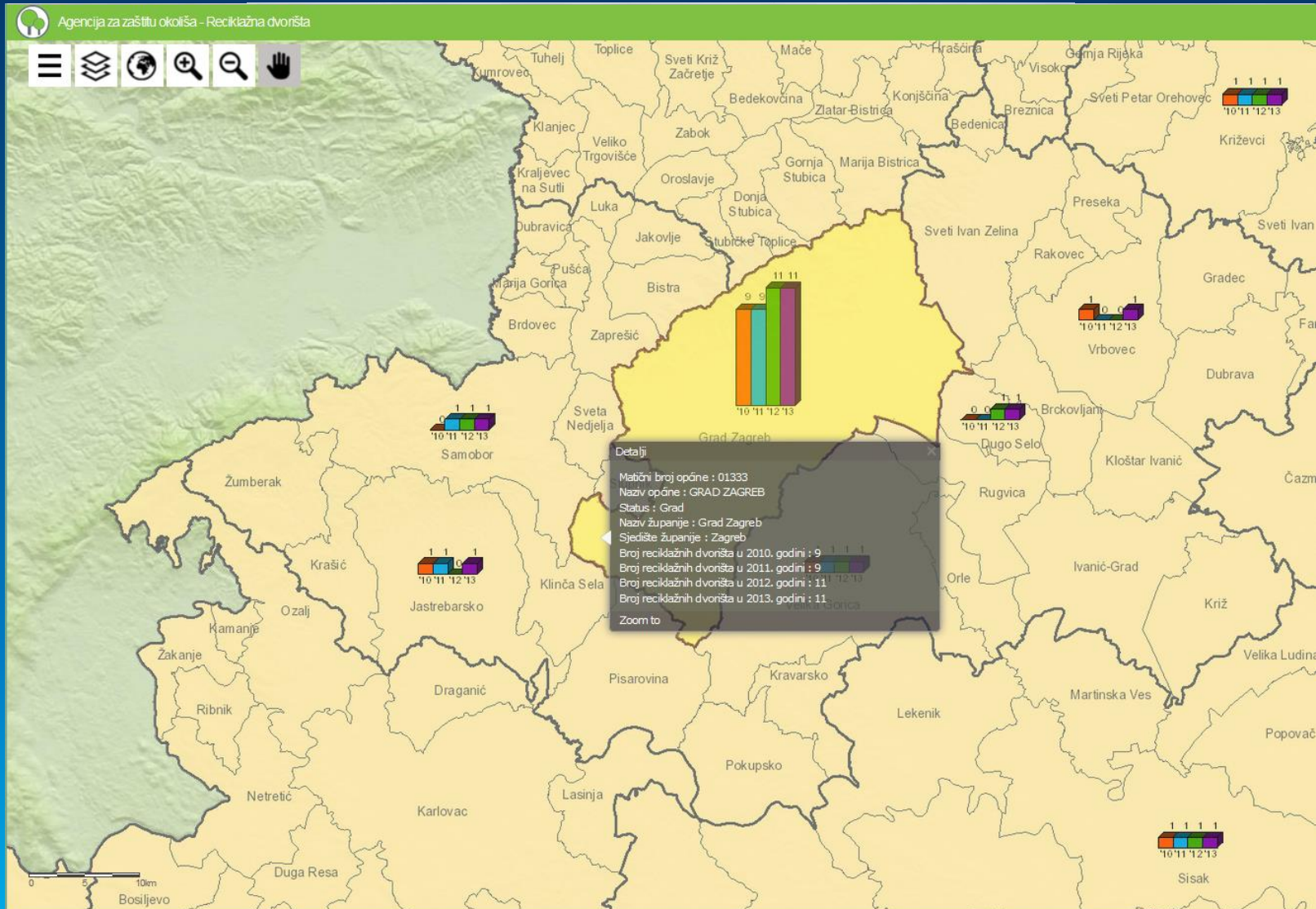


# About Technology

- Database: ESRI Enterprise Geodatabase to MS SQL Server
- Map services: ArcGIS Server Enterprise Standard
- ArcGIS API Java Script – application programming interface
- JavaScript – Web programming language
- AngularJS – JavaScript framework
- Dojo toolkit – modular JavaScript library
- KnockoutJS – architectural pattern with templates
- ASP .NET MVC 5 – web application framework
- Responsive Web Design (RWD)
- HTML 5, CSS

# Examples of indicators (KPI)

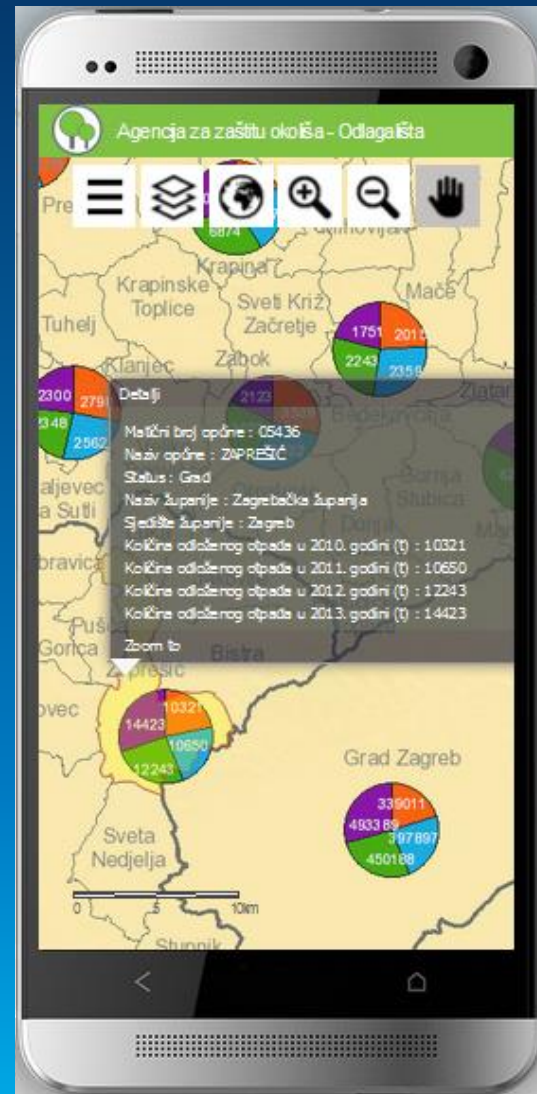
<http://kpi.azo.hr/>





# Examples of indicators (KPI)

<http://kpi.azo.hr/>



# Thank You

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Katalog informacija  
Javna nabava  
Ankete

Novosti | Okolišne teme | Dostava podataka | Pregled podataka | Publikacije | Projekti | Propisi | ISZO

**Agencija za zaštitu okoliša pokrenula Web aplikaciju „GIS preglednik Gospodarenje otpadom“**  
Agencija za zaštitu okoliša pokrenula je na svojim Web stranicama novu aplikaciju „GIS preglednik Gospodarenje otpadom“ koja prikazuje georeferencirane podatke o objektima za gospodarenje otpadom na području Republike Hrvatske.  
28.11.2013.

**IZDVOJENO**  
Hrvatski nacionalni portal Registra onečišćavanja okoliša (HNPROO)  
Registar onečišćavanja okoliša (ROO)  
Sustav trgovanja emisijama ETS  
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Kvaliteta zraka u Republici Hrvatskoj  
Kakvoća mora za kupanje i kakvoća voda za kupanje na rijekama i jezerima u Republici Hrvatskoj  
Hrvatski nacionalni portal Registra onečišćavanja okoliša (HNPROO)

Ministarstvo zaštite okoliša i prirode  
Fond za zaštitu okoliša i energetska učinkovitost  
European Environment Agency  
circ@  
Hrvatski okolišni portal Croatian Environmental Portal

ISZO Informacijski sustav zaštite okoliša Republike Hrvatske

2006. 2008. 2009. AZO baza podataka Obitelj i okolišna izvješća ISZO Izvješće AZO Izvješće o radu Vlasnik baza  
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