



This project is co-financed by the
European Union and the Republic of Turkey

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

Workshop Event

Serbia PRTR Implementation Overview – Information system



Presenter:
Nebojša Redžić
SEPA, Serbia

Date: 5 – 9 March 2018



NIRAS





This project is co-financed by the
European Union and the Republic of Turkey

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001

Information system NRIZ is one of the most important subsystems of the environmental information system in the Republic of Serbia, which is, according to the current legislative, lead by Environmental Protection Agency.

This information system is completely developed in the Environmental Protection Agency with financial help of the Kingdom of Norway, and also with high-expert help of the Norwegian company EMISOFT.

By using the software tools of this information system, data has being collected and processed, which is, after verification and analysis, delivered to interested parties. Data sources are primarily Serbian enterprises, but also public administration and local self-government authorities.



NIRAS





This project is co-financed by the European Union and the Republic of Turkey

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001

INFORMATION SYSTEM NRIZ

- Created and follow the national legislation.
- Based on Microsoft platform.
- TEAMS SR used for development, SQL server chosen for a database.
- TEAMS ensures modular improvements of IS.
- Bilingual interface – Serbian and English
- IS is web oriented and available on webpage of Serbian Environmental Protection Agency. <http://www.sepa.gov.rs/>



NIRAS



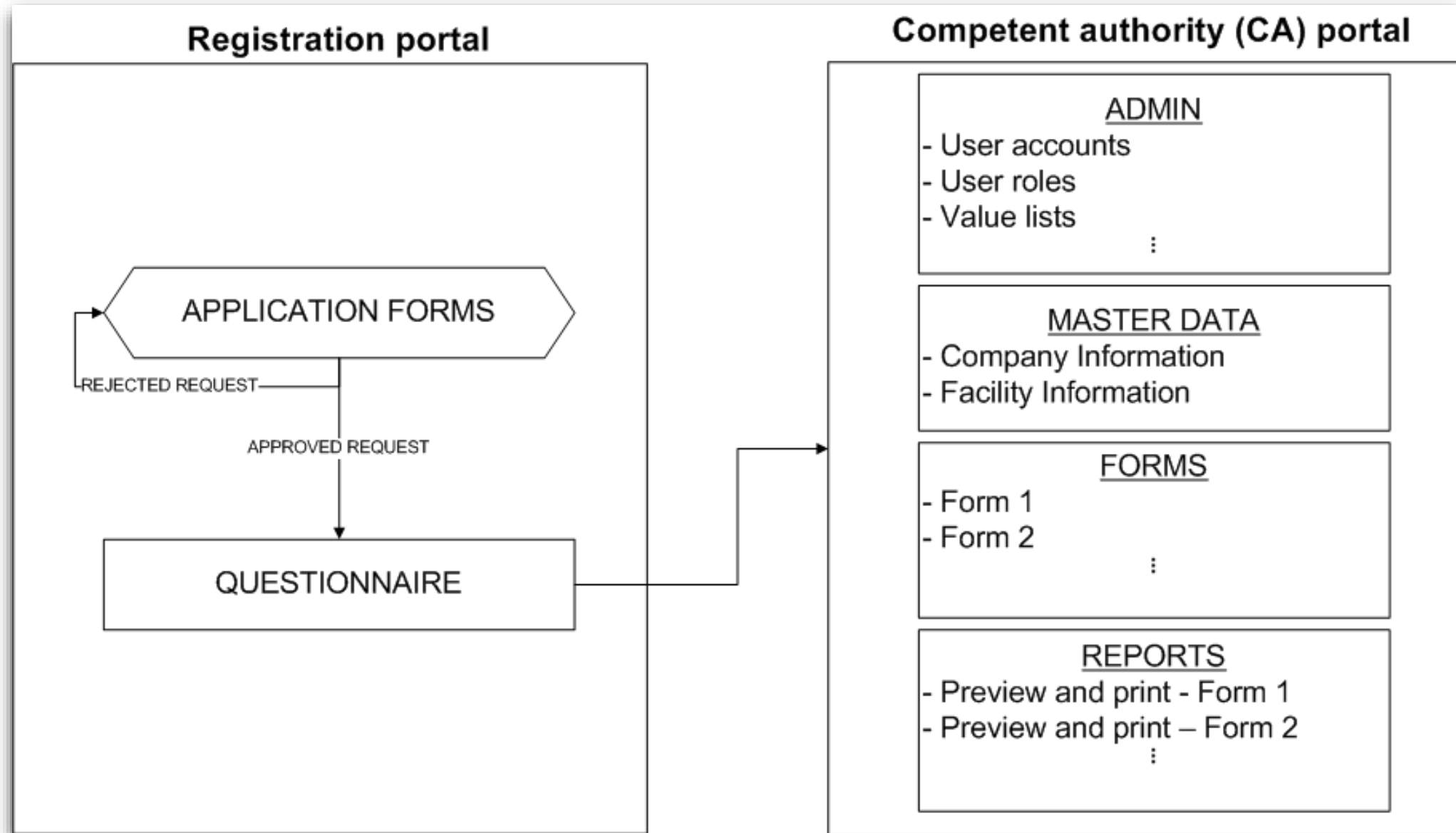


This project is co-financed by the European Union and the Republic of Turkey

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001

MAIN COMPONENTS OF THE INFORMATION SYSTEM NRIZ



Facilities -

Add Delete Previous Next

Activites List

Add Edit Remove View Dupl...

Economic Activity*	Activity*	Ma
1		

Questions about the facility

Does your enterprise has its own p

QFA2*

Does the facility have pollutant so

QF1*

Does the facility have pollutant so

QF2*

Does the facility have pollutant so

QF3*

Is waste generated in the facility?

QF4*

In accordance with the Law on Wa

Operator at waste disposal

QF5*

Operator for waste recovery

Activities -

Add Delete Previous Next

Activities

Economic Activity*

When choosing activities, pay attention to whether the chosen activity meets the conditions minimum threshold values the capacity of the facility.

Activity*

Is the selected activity main activity for the facility?

QFA1*

Select Activity*

Search

Code	Name	Minimum threshold of capacity
0	Facility does not belong to any of the proposed economic activity with the capacity displayed	
1.(a)	Mineral oil and gas refineries	All
1.(b)	Installations for gasification and liquefaction	All
1.(c)	Thermal power stations and other combustion installations	With the heat output higher than 50 MW
1.(d)	Coke ovens	All
1.(e)	Coal rolling mills	With capacity greater than 1t per hour
1.(f)	Installations for the manufacture of coal products and solid smokeless fuel	All

Maximize

Clear

Ok

Cancel

Collector or other waste holder that is not:

waste generator, collector, operator at the landfill, operator of the waste treatment, waste importer or waste exporter.

Ok

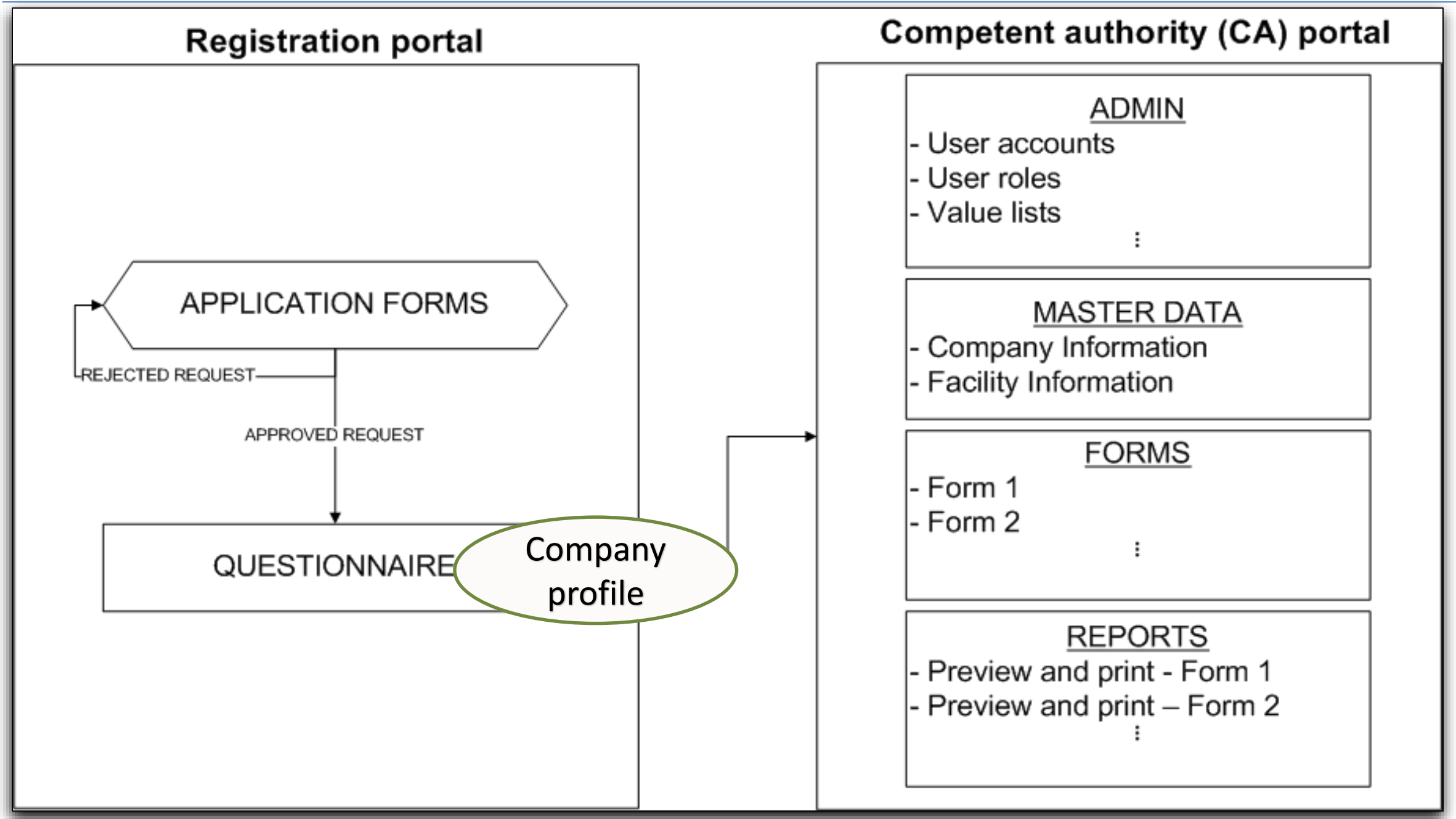
Cancel



This project is co-financed by the European Union and the Republic of Turkey

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001





This project is co-financed by the
European Union and the Republic of Turkey

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001

COMPETENT AUTHORITY PORTAL (CA)

CA solution is implemented in accordance with domestic and international legislation for reporting in the field of environmental protection.

The portal of the competent authority is an application which, according to its purpose, can be viewed from two aspects:

1. From the user's side, this application is a system for data submitting of a company as a reporting entity.
2. On the side of the competent authority, the application is a system for analyzing the collected data, which provides a clear picture of the state of the environment in the Republic of Serbia.

Bearing in mind these aspects, user roles in the system are clearly defined, so appropriate access rights are automatically assigned to each user of the system.



NIRAS



Year

Company*

Facility

Obrazac GIO4

GODIŠNJI IZVEŠTAJ O OTPADU IZVOZNIKA OTPADA

Izveštaj za 2016 godinu

PODACI O PREDUZEĆU		
Poreski identifikacioni broj (PIB)	987654321	
Matični broj preduzeća	98765432	
Pun naziv preduzeća	Demo	
Adresa	Mesto	Novi Sad
	Šifra mesta	802824
	Poštanski broj	11000
	Ulica i broj	Ulica 1
	Telefon	011/111111
	Telefaks	
	E mail	
Opština	Novi Sad	
Šifra opštine	80284	
Šifra pretežne delatnosti	0112	

PODACI O ODGOVORNOM LICU	
Ime i prezime	Petar Petrović
Funkcija	referent
Telefon	000000000

PODACI O LICU ODGOVORNOM ZA UPRAVLJANJE OTPADOM	
Ime i prezime	Petar Petrović
Funkcija	referent
Telefon	000000000
E mail	

PODACI O DOZVOLI ZA UPRAVLJANJE OTPADOM	
Broj dozvole	19-00-00328/2013-05
Datum izdavanja:	23.05.2013.
Dozvola važi do:	23.05.2018.
<input checked="" type="checkbox"/> Sakupljanje	<input type="checkbox"/> Transport
<input type="checkbox"/> Skladištenje	<input type="checkbox"/> Tretman
<input type="checkbox"/> Odlaganje	

pollutant

ANJA

RCILIK



This project is co-financed by the
European Union and the Republic of Turkey

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001

COMPETENT AUTHORITY PORTAL - Reporting -

The procedure of reporting i.e. data delivery is reduced to the simple filling of electronic forms. After entering, data is stored in the database.

The system has the history of the records. Each data change is recorded, and in that way significantly simplifies the tracking of data changes.

During the reporting period, according to the defined methodology, system administrators approve data submitted and then lock the reports. Data in locked reports can no longer be changed.

Data submitted is sent, after analytical processing, to the interested parties.



NIRAS





Technical Assistance for Capacity Building on European Pollutant

Release and Transfer Register (E-RTTR) in Turkey

Republika Srbija
Ministarstvo zaštite životne sredine
Agencija za zaštitu životne sredine

NACIONALNI REGISTAR IZVORA ZAGAĐIVANJA

Home **General Data (Form 1)**

Add Edit Delete Lock View Export Data Export View Import Help Duplicate History Batch

General
Additional Data
Fuels
Products
Raw Material
Remarks

Add Edit Remove View Duplicate

Fuel Name*	Consumption per day*	Way of Storing	Max. Stock Ca
Natural gas (Nm3)	20109	nema lagerovanja-priključen na gsnu mrežu	
Transport dizel (t)	0,071	Podzemni rezervoar	16

Previous Next Save Cancel



NIRAS





Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

This project is co-financed by the European Union and the Republic of Turkey

TR2013/0327.06-01-02/001

Republika Srbija
Ministarstvo poljoprivrede i zaštite životne sredine
Agencija za zaštitu životne sredine

NACIONALNI REGISTAR IZVORA ZAGAĐIVANJA

Home 02. Obrazac 2 / GVE

Add Edit Delete Lock View Export Data Export View Import Help Duplicate History Batch

General
Additional Data
Fuels
Emissions to Air
Remarks

Pollutant to Air -

Add Delete Previous Next

Name

Pollutant
Name of pollutant*

Concentration of pollutants in flue gas
Annual mean measured value (mg/ Nm3)
Way of determining

Emitted amounts during THE NORMAL operation
Emitted amounts (g/h)
Emitted amounts (kg/year)*
Way of determining*
Method of determining*

Ok Cancel

4 Errors

Emitted amounts (kg/year)* is mandatory.
Method of determining* Methodofdeterminingamount is mandatory.
Name of pollutant* Nameofpollutant is mandatory.
Way of determining* Wayofdeterminingamount is mandatory.

Previous Next

Arrange dashboard English Admin





This project is co-financed by the
European Union and the Republic of Turkey

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001

COMPETENT AUTHORITY PORTAL

- Entry forms -

System logical controls includes:

- **System conditionally mandatory fields**
- **Logical controls of values**

The conditionally mandatory fields are marked with two asterisks (**) in the system. These fields are conditionally mandatory and the fact that they are mandatory depends on the values entered in other fields on the electronic form. In case of user's mistake, the system will display the information in the error dialog box. In case of such error, the user cannot save data to electronic form until the proper corrections are made.



NIRAS





Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

This project is co-financed by the
European Union and the Republic of Turkey

TR2013/0327.06-01-02/001

Republika Srbija
Ministarstvo poljoprivrede i zaštite životne sredine
Agencija za zaštitu životne sredine

NACIONALNI REGISTAR IZVORA ZAGAĐIVANJA

Home 01. Obrazac 1

Add Edit Delete Lock View Export Data Export View Import Help Duplicate History Batch

General
Additional Data
Fuels
Products
Raw Material
Remarks

Information on Working Regime in Facility

Working regime* Seasonal

Season start (month)**

Season end (month)**

Number of shifts per day

Number of working days - week

Number of working days - year

Number of working days - season

Number of operation hours

Data on Employees in the Facility

Employees (permanent)

Employees (part time)

Number of employees in shift 1

Number of employees in shift 2

Number of employees in shift 3

TEAMS SR

Pocetak sezone (mesec) i Kraj sezone (mesec) su obavezna polja.

Season Start (month) and Season End (month) are mandatory fields.

Ok

Previous Next Save Cancel

Arrange dashboard English Admin





Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

Republika Srbija
Ministarstvo poljoprivrede i zaštite životne sredine
Agencija za zaštitu životne sredine

NACIONALNI REGISTAR IZVORA ZAGAĐIVANJA

Home 01. Obrazac 1

Add Edit Delete Lock View Export Data Export View Import Help Duplicate History Batch

- General
- Additional Data**
- Fuels
- Products
- Raw Material
- Remarks

Information on Working Regime in Facility

Working regime* Continual

Season start (month)**

Season end (month)**

Number of shifts per day

Number of working days - weekly

Number of working days - yearly 400

Number of working days - seasonal

Number of operation hours

Data on Employees in the Facility

Employees (permanent)

Employees (part time)

Number of employees in shift 1

Number of employees in shift 2

Number of employees in shift 3

TEAMS SR

Broj radnih dana godišnje je pogrešan.

Number of working days yearly is wrong.

Ok

Previous Next Save Cancel

Arrange dashboard English Admin

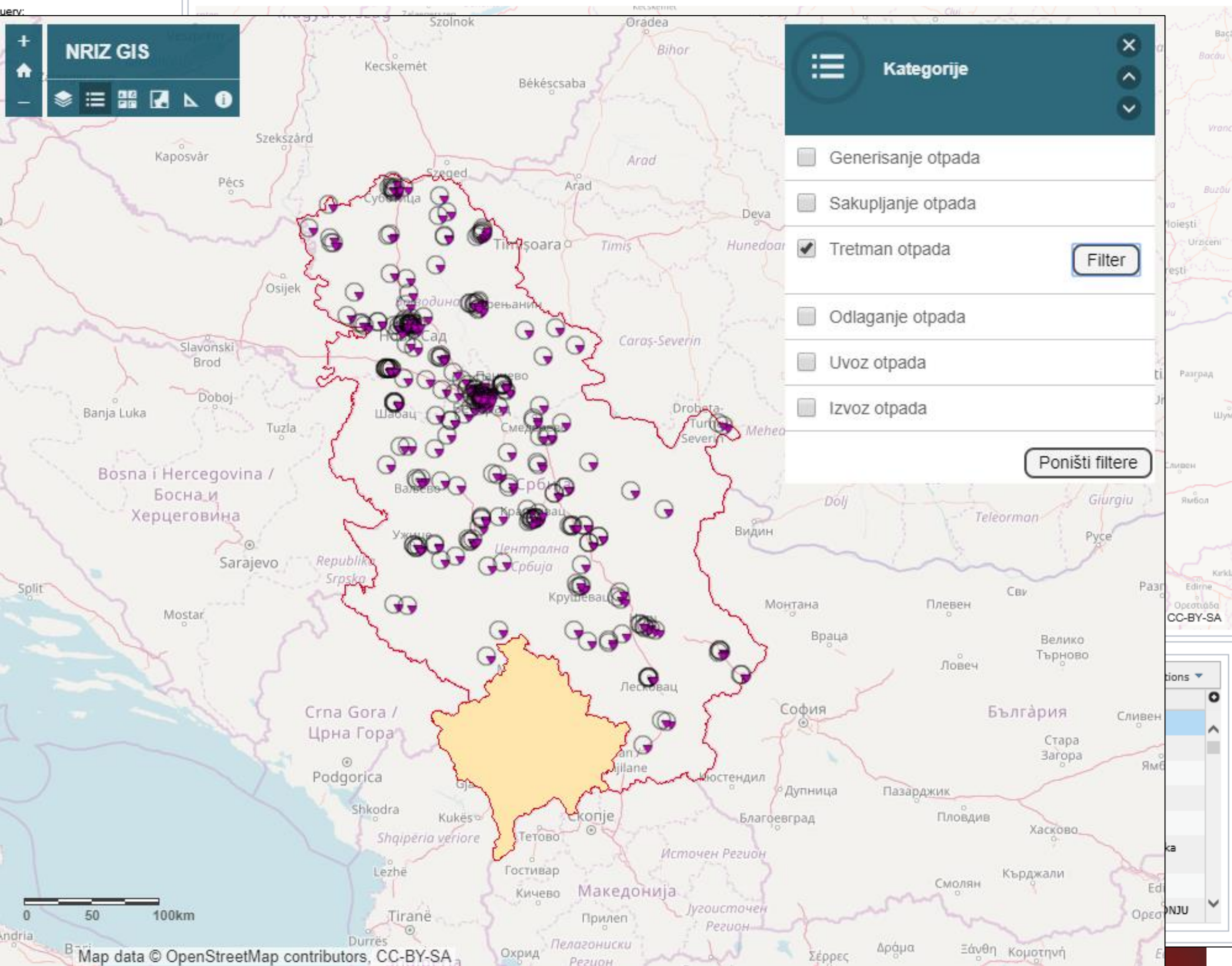


Area query:
Year:
NUTS:
PRTR:
The c
NACE:
The c
Emiss:
Water:
Air:
Waste:
Res

NRIZ GIS

Kategorije

- Generisanje otpada
 - Sakupljanje otpada
 - Tretman otpada Filter
 - Odlaganje otpada
 - Uvoz otpada
 - Izvoz otpada
- Poništi filtere



Options



This project is co-financed by the
European Union and the Republic of Turkey

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001

THANK YOU FOR YOUR ATTENTION!



NIRAS

