

Zaključna konferenca:
"Geoinformacijski sistem GEPGIS "

Geoinformacijski sistem GEPGIS

Edvard Grmadnik

NLZOH lokacija Nova Gorica

Nova Gorica, 14.10.2014

GEP



2007-2013

cooperazione territoriale europea
programma per la cooperazione
transfrontaliera

Italia-Slovenia

evropsko teritorialno sodelovanje
program čezmejnega sodelovanja

Slovenija-Italija



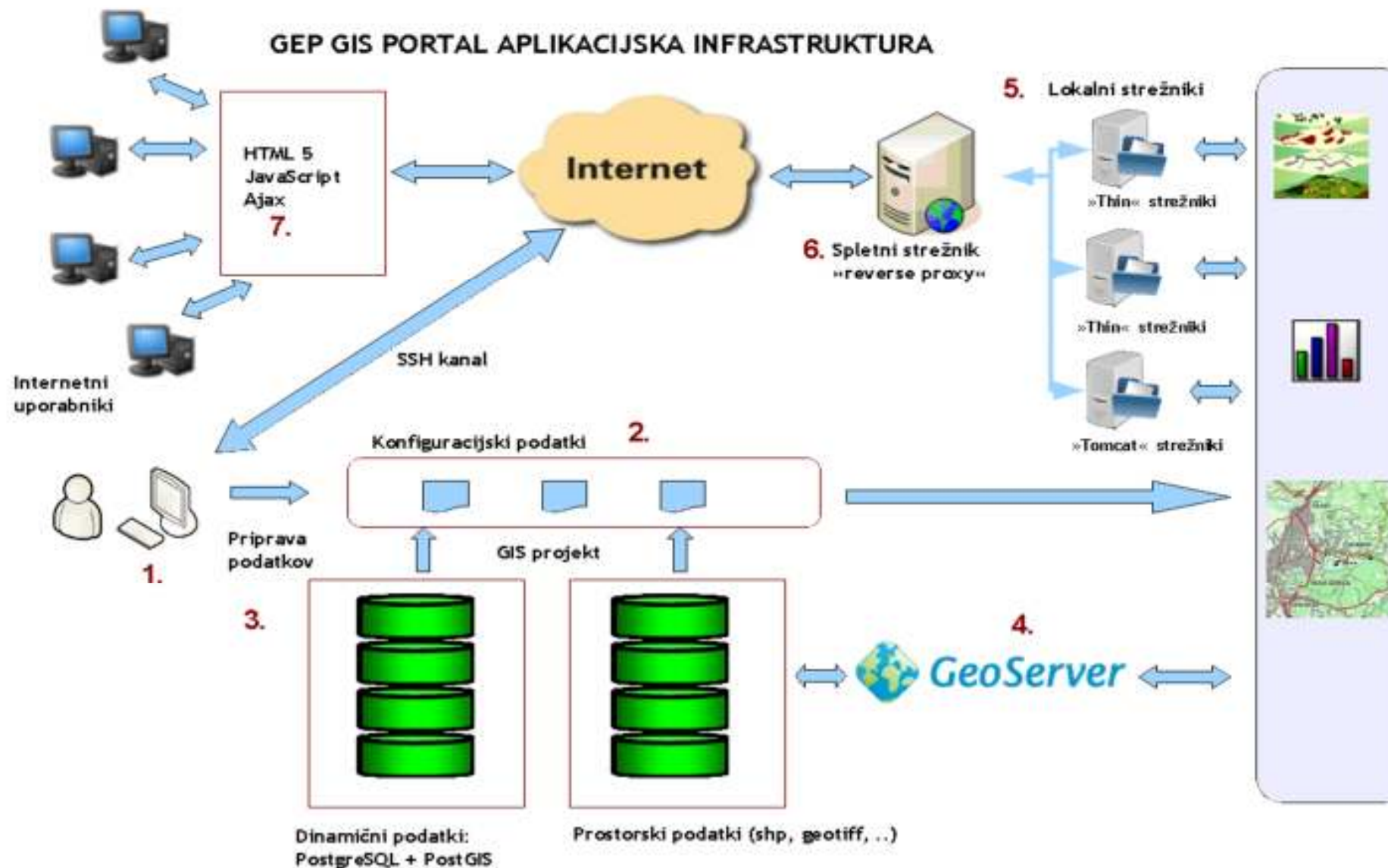
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Projekt sofinancira Evropski sklad
za regionalni razvoj



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 Nova Gorica, 25.9.2014



Uporaba Geoserverja



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01 Prijava v Geoserver

Welcome

Welcome

This GeoServer belongs to [Kideja d.o.o.](#)

This GeoServer instance is running version **2.5**. For more information please contact the [administrator](#).

Service Capabilities

- WCS
 - 1.0.0
 - 1.1.0
 - 1.1.1
 - 1.1
 - 2.0.1
- WFS
 - 1.0.0
 - 1.1.0
 - 2.0.0
- WMS
 - 1.1.1
 - 1.3.0
- TMS
 - 1.0.0
- WMS-C
 - 1.1.1
- WMTS
 - 1.0.0

Uporabniško ime

Geslo

Remember me ☐

Login

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About & Status

- Server Status
- GeoServer Logs
- Contact Information
- About GeoServer

Data

- Layer Preview
- Workspaces
- Stores
- Layers
- Layer Groups
- Styles

Services

- WCS
- WFS
- WMS

Settings

- Global
- JAI
- Coverage Access

Tile Caching

- Tile Layers
- Caching Defaults
- Gridsets
- Disk Quota

Security

- Settings
- Authentication
- Passwords
- Users, Groups, Roles
- Data
- Services

Demos
Tools

Welcome

Welcome

This GeoServer belongs to Kideja d.o.o..

31 Layers	Add layers
18 Stores	Add stores
8 Workspaces	Create workspaces

⚠ No strong cryptography available, installation of the unrestricted policy jar files is recommended

This GeoServer instance is running version **2.5**. For more information please contact the [administrator](#).

Service Capabilities
WCS

1.0.0
1.1.0
1.1.1
1.1
2.0.1

WFS

1.0.0
1.1.0
2.0.0

WMS

1.1.1
1.3.0

TMS

1.0.0

WMS-C

1.1.1

WMTS

1.0.0

Število slojev, shramb in delovnih prostorov

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About & Status

- Server Status
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- Contact Information
- About GeoServer

O strežniku, Status

Data

- Layer Preview
- Workspaces
- Stores
- Layers
- Layer Groups
- Styles

Delo s prostorskimi podatki

Services

- WCS
- WFS
- WMS

Spletni servisi nastavitve

Settings

- Global
- JAI
- Coverage Access

Splošne nastavitve

Tile Caching

- Tile Layers
- Caching Defaults
- Gridsets
- Disk Quota

Predpomnjenje slikovnih izrezkov

Security

- Settings
- Authentication
- Passwords
- Users, Groups, Roles
- Data
- Services

Prijava uporabnikov, pravice

Service Capabilities
WCS

 1.0.0
1.1.0
1.1.1
1.1
2.0.1

WFS

 1.0.0
1.1.0
2.0.0

WMS

 1.1.1
1.3.0

TMS

1.0.0

WMS-C

1.1.1

WMTS

1.0.0

Demos
Tools

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About & Status

- Server Status
- GeoServer Logs
- Contact Information
- About GeoServer

Data

- Layer Preview
- Workspaces
- Stores
- Layers
- Layer Groups
- Styles

Services

- WCS
- WFS
- WMS

Settings

- Global
- JAI
- Coverage Access

Tile Caching

- Tile Layers
- Caching Defaults
- Gridsets
- Disk Quota

Security

- Settings
- Authentication
- Passwords
- Users, Groups, Roles
- Data
- Services

Demos
Tools

Workspaces

Manage GeoServer workspaces

 Add new workspace
 Remove selected workspace(s)

<< < 1 > >> Results 1 to 8 (out of 8 items)

☐ Workspace Name	Default
☐ gep	
☐ nurc	
☐ sde	
☐ sf	
☐ tiger	
☐ topp	

<< < 1 > >> Results 1 to 8 (out of 8 items)

Delovni prostor seznam

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About & Status

-  Server Status
-  GeoServer Logs
-  Contact Information
-  About GeoServer

Data

-  Layer Preview
-  Workspaces
-  Stores
-  Layers
-  Layer Groups
-  Styles

Services

-  WCS
-  WFS
-  WMS

Settings

-  Global
-  JAI
-  Coverage Access

Tile Caching

-  Tile Layers
-  Caching Defaults
-  Gridsets
-  Disk Quota

Security

-  Settings
-  Authentication
-  Passwords
-  Users, Groups, Roles
-  Data
-  Services

Demos
Tools

Edit Workspace

Edit existing workspace

Name

Namespace URI

The namespace uri associated with this workspace

Default Workspace
☐
Settings
Enabled
☐

Save

Cancel

Services
☐  WCS

☐  WFS

☐  WMS

Urejanje delovnega prostora

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New data source

Choose the type of data source you wish to configure

Vektorski podatki

Vector Data Sources

- Directory of spatial files (shapefiles) - Takes a directory of shapefiles and exposes it as a data store
- PostGIS - PostGIS Database
- PostGIS (JNDI) - PostGIS Database (JNDI)
- Properties - Allows access to Java Property files containing Feature information
- Shapefile - ESRI(tm) Shapefiles (*.shp)
- Web Feature Server - The WFSDataStore represents a connection to a Web Feature Server. This connection provides access to the Features published by the server, and the ability to perform transactions on the server (when supported / allowed).

Raster Data Sources

- ArcGrid - Arc Grid Coverage Format
- GeoTIFF - Tagged Image File Format with Geographic information
- Gtopo30 - Gtopo30 Coverage Format
- ImageMosaic - Image mosaicking plugin
- WorldImage - A raster file accompanied by a spatial data file

Other Data Sources

- WMS - Cascades a remote Web Map Service

Rastrski podatki

About & Status

- Server Status
- GeoServer Logs
- Contact Information
- About GeoServer

Data

- Layer Preview
- Workspaces
- Stores
- Layers
- Layer Groups
- Styles

Services

- WCS
- WFS
- WMS

Settings

- Global
- JAI
- Coverage Access

Tile Caching

- Tile Layers
- Caching Defaults
- Gridsets
- Disk Quota

Security

- Settings
- Authentication
- Passwords
- Users, Groups, Roles
- Data
- Services

Demos

Tools

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Layers

Manage the layers being published by GeoServer

 Add a new resource

 Remove selected resources

<< < 1 2 > >> Results 1 to 25 (out of 31 items)

 Search

☐	Type	Workspace	Store	Layer Name	Enabled?	Native SRS
☐		sf	sf	restricted	✓	EPSG:26713
☐		sf	sf	streams	✓	EPSG:26713
☐		sf	sf	roads	✓	EPSG:26713
☐		sf	sf	bugsites	✓	EPSG:26713
☐		sf	sf	archsites	✓	EPSG:26713
☐		sf	vulnerability	GEP_karta%20ranjivosti_metkap_2014_05_07_12_12	✓	EPSG:32633
☐		sf	sfdem	sfdem	✓	EPSG:26713
☐		topp	states_shapefile	states	✓	EPSG:4326
☐		topp	taz_shapes	tasmania_water_bodies	✓	EPSG:4326
☐		topp	taz_shapes	tasmania_state_boundaries	✓	EPSG:4326
☐		topp	taz_shapes	tasmania_roads	✓	EPSG:4326
☐		topp	taz_shapes	tasmania_cities	✓	EPSG:4326
☐		tiger	nyc	giant_polygon	✓	EPSG:4326
☐		tiger	nyc	poi	✓	EPSG:4326
☐		tiger	nyc	tiger_roads	✓	EPSG:4326
☐		tiger	nyc	poly_landmarks	✓	EPSG:4326
☐		nurc	mosaic	mosaic	✓	EPSG:4326
☐		nurc	worldImageSample	img_sample	✓	EPSG:4326
☐		nurc	arcGridSample	Arc_Sample	✓	EPSG:4326
☐		gep	municipalities	MUNICIPALITIES	✓	EPSG:32633
☐		gep	gep-area	GEP_Area	✓	EPSG:32633
☐		gep	dem10	GEP_DMV_10x10	✓	EPSG:32633
☐		gep	postgis	hidro_3	✓	EPSG:4326
☐		gep	postgis	waters	✓	EPSG:4326
☐		gep	postgis	dw_itslo	✓	EPSG:4326

Linije

Poligoni

Raster

Točke

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About & Status

- Server Status
- GeoServer Logs
- Contact Information
- About GeoServer

Data

- Layer Preview
- Workspaces
- Stores
- Layers
- Layer Groups
- Styles

Services

- WCS
- WFS
- WMS

Settings

- Global
- JAI
- Coverage Access

Tile Caching

- Tile Layers
- Caching Defaults
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Security

- Settings
- Authentication
- Passwords
- Users, Groups, Roles
- Data
- Services

Demos
Tools

Edit Layer

Edit layer data and publishing

gep:waters

Configure the resource and publishing information for the current layer

- Data
- Publishing
- Dimensions
- Tile Caching

HTTP Settings
☐ Response Cache Headers

Cache Time (seconds)

WFS Settings

Per-Request Feature Limit

0

Maximum number of decimals

0

WMS Settings
☒ Queryable

☐ Opaque

Izbira oblikovanja sloja

Default Style

pwater

Additional Styles

Available Styles

burg
 capitals
 cite_lakes
 dem
 dem-gep
 giant_polygon
 grass
 green
 line
 poi


Selected Styles

pwater

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About & Status

-  Server Status
-  GeoServer Logs
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Data

-  Layer Preview
-  Workspaces
-  Stores
-  Layers
-  Layer Groups
-  Styles

Services

-  WCS
-  WFS
-  WMS

Settings

-  Global
-  JAI
-  Coverage Access

Styles

Manage the Styles published by GeoServer

 Add a new style

 Removed selected style(s)

<< < 1 > >> Results 1 to 24 (out of 24 items)

 Search

☐ Style Name	Workspace
☐ burg	
☐ capitals	
☐ cite_lakes	
☐ dem	
☐ dem-gep	gep
☐ giant_polygon	
☐ grass	
☐ green	
☐ line	
☐ poi	
☐ point	
☐ poly_landmarks	

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Edit Layer

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gep:waters

Configure the resource and publishing information for the current layer

Data

Publishing

Dimensions

Tile Caching

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Cache Time (seconds)

WFS Settings

Per-Request Feature Limit

Maximum number of decimals

WMS Settings

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☐ Opaque

Default Style

Additional Styles

Available Styles

burg
capitals
cite_lakes
dem
dem-gep
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grass
green
line
poi



Selected Styles

pwater

Izbira oblikovanja sloja

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10 Urejanje skupin slojev

Logged in as admin.

 Logout

Layer Groups

Define and manage layer groupings

 Add new layer group

 Remove selected layer group(s)

<<	<	1	>	>>	Results 1 to 3 (out of 3 items)	 Search
☐	Layer Group				Workspace	
☐	tiger-ny					
☐	tasmania					
☐	spearfish					
<<	<	1	>	>>	Results 1 to 3 (out of 3 items)	

Seznam skupin slojev

Več slojev združenih v eno skupino oz. sliko

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Style Editor

Edit the current SLD style. The editor can provide syntax highlight and be brought to full screen. Click on the "validate" button to verify the style is a valid SLD document.

Name

Workspace

Copy from existing style

Copy ...

XML SLD jezik za oblikovanje sloja

12pt

```

1 <?xml version="1.0" encoding="ISO-8859-1"?>
2 <StyledLayerDescriptor version="1.0.0"
3   xsi:schemaLocation="http://www.opengis.net/sld StyledLayerDescriptor.xsd"
4   xmlns="http://www.opengis.net/sld"
5   xmlns:ogc="http://www.opengis.net/ogc"
6   xmlns:xlink="http://www.w3.org/1999/xlink"
7   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
8   <!-- a Named Layer is the basic building block of an SLD document -->
9   <NamedLayer>
10    <Name>default_point</Name>
11    <UserStyle>
12      <!-- Styles can have names, titles and abstracts -->
13      <Title>Default Point</Title>
14      <Abstract>A sample style that draws a point</Abstract>
15      <!-- FeatureTypeStyles describe how to render different features -->
16      <!-- A FeatureTypeStyle for rendering points -->
17      <FeatureTypeStyle>
18        <Rule>
19          <Name>rule1</Name>
20          <Title>Red Square</Title>
21          <Abstract>A 6 pixel square with a red fill and no stroke</Abstract>
22          <PointSymbolizer>
23            <Graphic>
24              <Mark>
25                <WellKnownName>square</WellKnownName>
26                <Fill>
27                  <CssParameter name="fill">#FF0000</CssParameter>
28                </Fill>
29              </Mark>
30              <Size>6</Size>
31            </Graphic>
32          </PointSymbolizer>

```

SLD file

Prebrskaj ...

Datoteka ni izbrana.

Upload ...

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12 Predpregled sloja

Logged in as admin.

 Logout

Layer Preview

List of all layers configured in GeoServer and provides previews in various formats for each.

<< < 1 2 > >> Results 1 to 25 (out of 34 items)

 Search

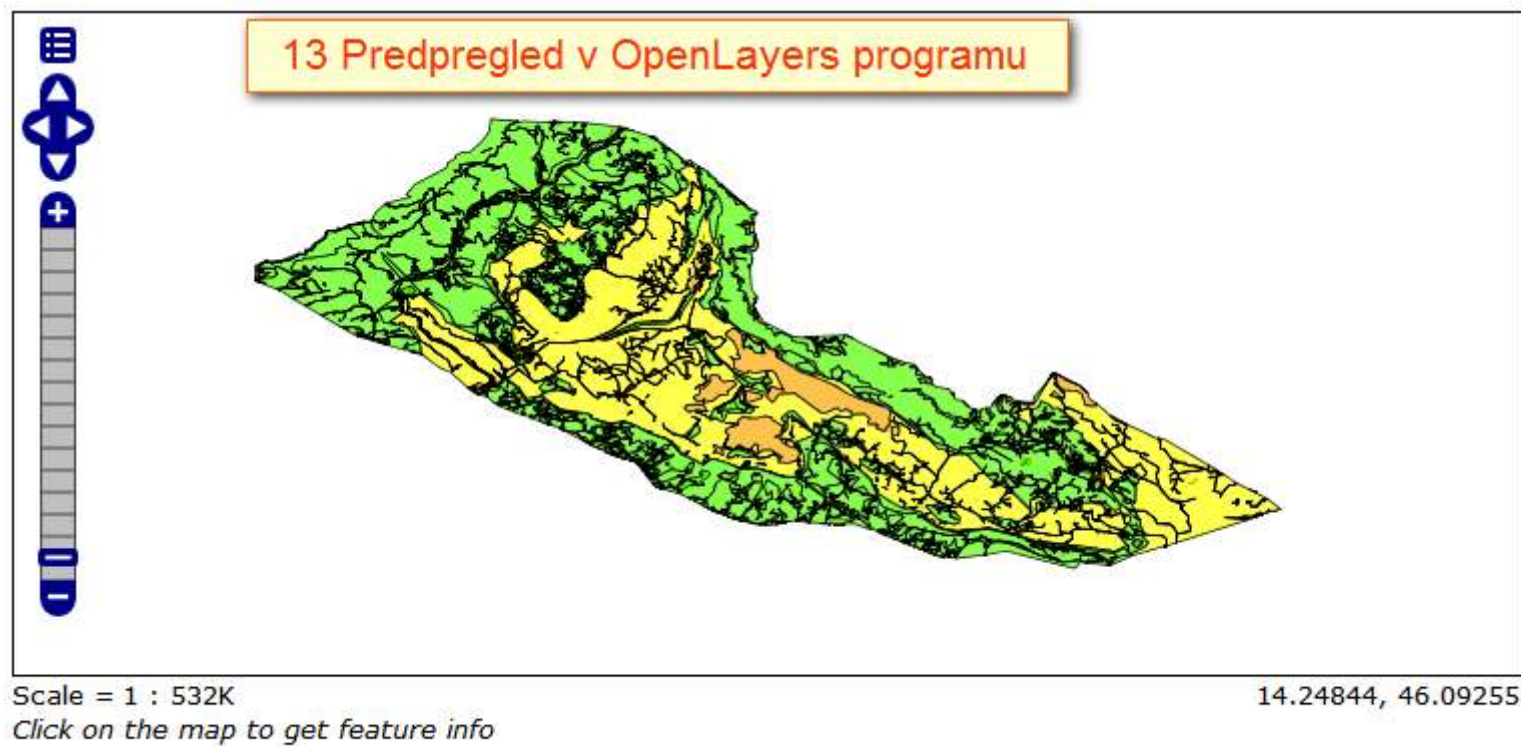
Type	Name	Title	Common Formats	All Formats
	sf:restricted	Spearfish restricted areas	OpenLayers KML GML	Select one
	sf:streams	Spearfish streams	OpenLayers KML GML	Select one
	sf:roads	Spearfish roads	OpenLayers KML GML	Select one
	sf:bugsites	Spearfish bug locations	OpenLayers KML GML	Select one
	sf:archsites	Spearfish archeological sites	OpenLayers KML GML	Select one
	sf:GEP_karta%20ranljivosti_metkap_2014_05_07_12_12	GEP_karta%20ranljivosti_metkap_2014_05_07_12:12	OpenLayers KML GML	Select one
	sf:sfдем	sfdem is a Tagged Image File Format with Geographic information	OpenLayers KML	Select one
	topp:states	USA Population	OpenLayers KML GML	Select one
	topp:tanzania_water_bodies	Tanzania water bodies	OpenLayers KML GML	Select one

Izbira formata sloja

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DEMO

NLZOH - Nacionalni laboratorij za zdravje, okolje in hrano, lokacija Nova Gorica

*Projekt GEP sofinanciran v okviru Programa čezmejnega sodelovanja Slovenija-Italija 2007-2013
iz sredstev Evropskega sklada za regionalni razvoj in nacionalnih sredstev
Progetto GEP finanziato nell'ambito del Programma per la Cooperazione Transfrontaliera Italia-
Slovenia 2007-2013, dal Fondo europeo di sviluppo regionale e dai fondi nazionali.*



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Ministero dell'Economia
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2007-2013

cooperazione territoriale europea
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