



Hakom Interactive Portal for the public

User manual

Table of contents

1	HAKOM Interactive Portal.....	3
1.1	Interactive viewer.....	5
1.1.1.1	Table of contents.....	6
1.1.1.2	Map Tools	7
1.1.1.3	Address search.....	9
1.1.1.4	Legend	10
1.1.1.5	Header	10
1.2	Themed viewers	12
1.2.1	Broadband access availability.....	12
1.2.1.1	Table of contents.....	13
1.2.1.2	Map tools	14
1.2.1.3	Address search.....	15
1.2.1.4	Legend.....	16
1.2.1.5	Header	16
1.2.2	The consolidated plan of mobile communications operators	17
1.2.2.1	Map Tools	18
1.2.2.2	Address search.....	19
1.2.2.3	Legend.....	20
1.2.2.4	Header	20
1.2.3	Publication of intent of deployment the optical distribution network.....	21
1.2.3.1	Map Tools	22
1.2.3.2	Map	23
1.2.3.3	Plan view.....	23
1.2.3.4	List of plans	24
1.2.3.5	Header	25
1.2.4	Statistical overview of the availability of broadband internet access.....	25
1.2.4.1	Map Tools	26
1.2.4.2	Address search.....	28
1.2.4.3	Legend.....	28
1.2.4.4	Header	29

1 HAKOM Interactive Portal

HAKOM interactive portal includes views of data by topics:

- Broadband access
- Consolidated plan of mobile communications operators
- Areas of intended construction of the optical distribution network
- Data speeds used in broadband access

Interactive portal also contains interactive viewer which contains integrated display of topics listed above.

In this user manual it will be explained in detail using of the interactive web portal and the use of the functionality of individual thematic units.

On the main page of the interactive portal it is possible to run each thematic viewer or interactive viewer separately by clicking on the button *Run*.

Selected viewer will open in separate internet browser window.

Portal is available on Croatian or English language. Language is changed by clicking on the icons  i  in upper right corner of the portal.

Lower part of portal contains icons for sharing informations about the portal on social networks, links *About us*, *Frequently asked questions* and *Contacts* which leads to web page of HAKOM. <http://www.hakom.hr> .



Croatian regulatory agency for network industries
 Štirova - Hrvatska 1 (zagreb) Mikovička 8, 10210 Zagreb
 Tel: + 385 (0)1 457 70 01, Fax: + 385 (0)1 457 70 09



HAKOM Interactive Portal

includes views of data by topics:

- broadband access
- consolidated plan of mobile communications operators
- areas of intended construction of the optical distribution network
- data speeds used in broadband access

INTERACTIVE VIEWER

The integrated display of THEMATIC SECTION 8, i.e. data on availability and usage of broadband access speeds, unified plan of mobile communications operators and areas with intention of deployment optical fibre distribution network. Areas of availability of broadband access are also available through WFS service. All inquiries can be submitted to the address hakom-mapiranje@hakom.hr.



[RUN](#)

THEMED VIEWERS



Broadband access availability

Includes display of information about broadband access speeds availability (2 Mbps and higher). It is primarily intended for local governments for the purpose of analysis of the availability of broadband access speeds.

[RUN](#)



The consolidated plan of mobile communications operators

Under the Regulation on standards on development of electronic communication infrastructure and other related equipment (OG 123/12), article 74 (paragraph 1), HAKOM is publishing public part of a unified plan of all mobile communication operators in Croatia.

[RUN](#)



Publication on intention of building the optical distribution network

In accordance with article 8, paragraph 4 of the Ordinance on the optical fibre distribution network (OG 51/14), HAKOM announces intent of building optical distribution network.

[RUN](#)



View of data speeds used in broadband access

Includes the display of data on percentages of using fixed broadband access speeds (download) 2 Mbps and higher, primarily intended for local governments in order to analyse the broadband connectivity per contracted speeds.

[RUN](#)

Want to share information about the Portal?

[f](#) [t](#) [g+](#)

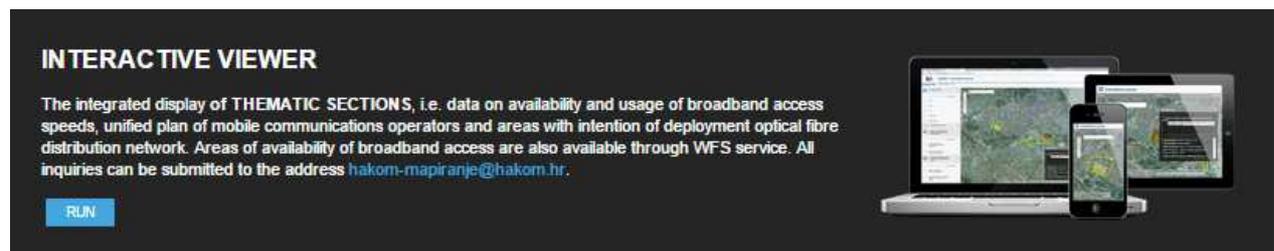
[About us](#) | [Frequently asked questions](#) | [Contact](#)
 © 2014 GEM LOCALIS

Hakom Interactive portal

1.1 Interactive viewer

Interactive Viewer is a unified representation of thematic units, i.e. data on availability and usage of broadband access speeds, unified plan of mobile communications operators and areas with intention of deployment optical fibre distribution network.

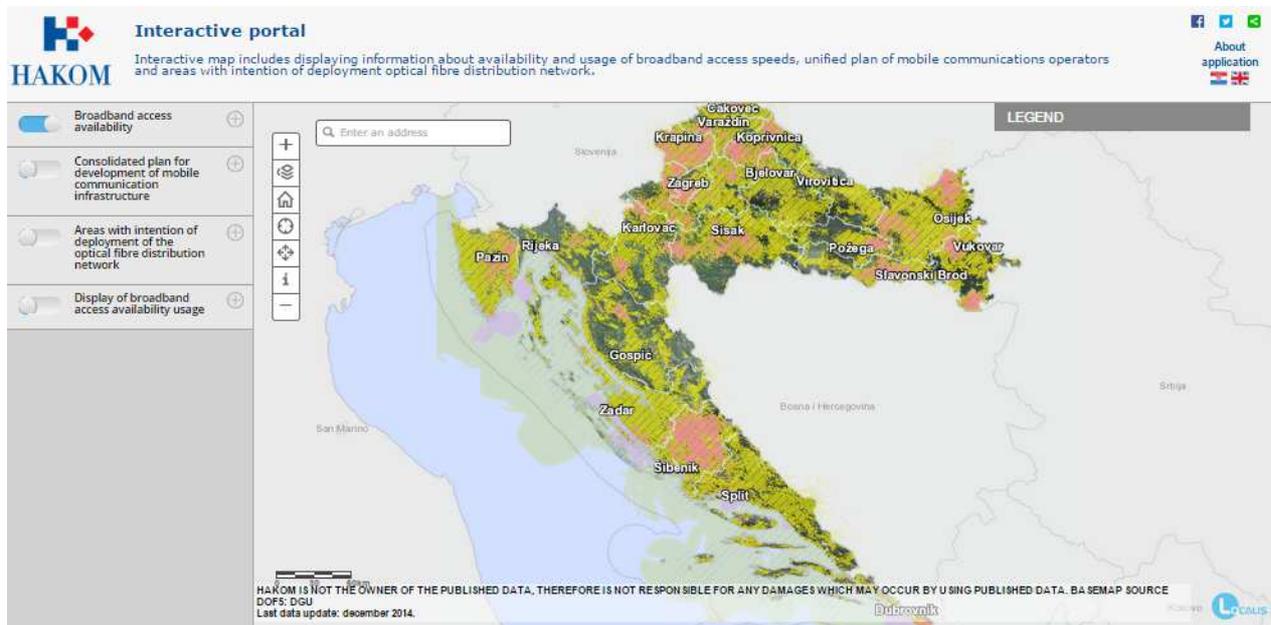
Interactive Viewer is started by clicking the *Run* button on the page of the Portal.



Interactive viewer

Browser interface consists of the following components:

- Table of contents
- Map Tools
- Address search
- Map
- Legend
- Header



Interactive viewer

1.1.1.1 Table of contents

The table of contents is located on the left side of the interface.

Contains available layers with data for display on the map.

The layers may be switched on and off using the buttons on the left side of the layer name.

The information display on the map depends on the included layers.

Clicking on the name of the layer extends to review the table of contents and lists the available data for the selected layer.

Objects layer can be turned on or off by checking the check box beside the selected objects.

Transparency of selected layer in relation to map on the surface is defined by scroll bars.

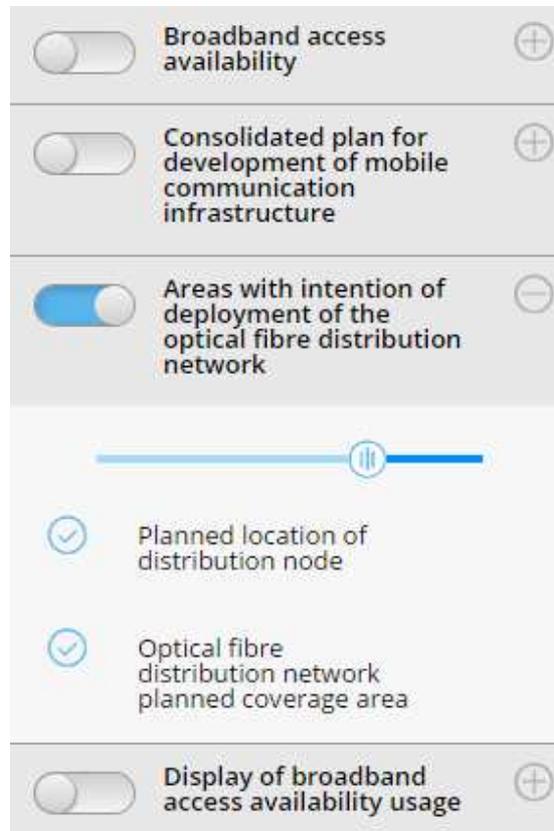


Table of contents

1.1.1.2 Map Tools



Zoom in – using this tool map view increases



Zoom out – using this tool map view decreases



Full extent - click on the tool to view the entire map area. Regardless of the current scale the map will be displayed in its entirety.



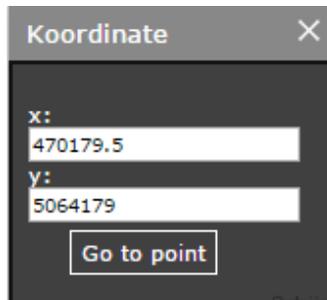
Current location - using this tool map is increased to the current location, if that option is permitted by the user.



Show / hide table of contents - using this tool displays or hides table of contents on the left.



Coordinates - using this tool opens a separate window. Select a place on the map that you want to identify the coordinates and click on it. The coordinates will be displayed in the window. If you want to position to the specific coordinates, they need to be entered in the appropriate fields for it and click on the Go button on the coordinates.



Koordinate

x:
470179.5

y:
5064179

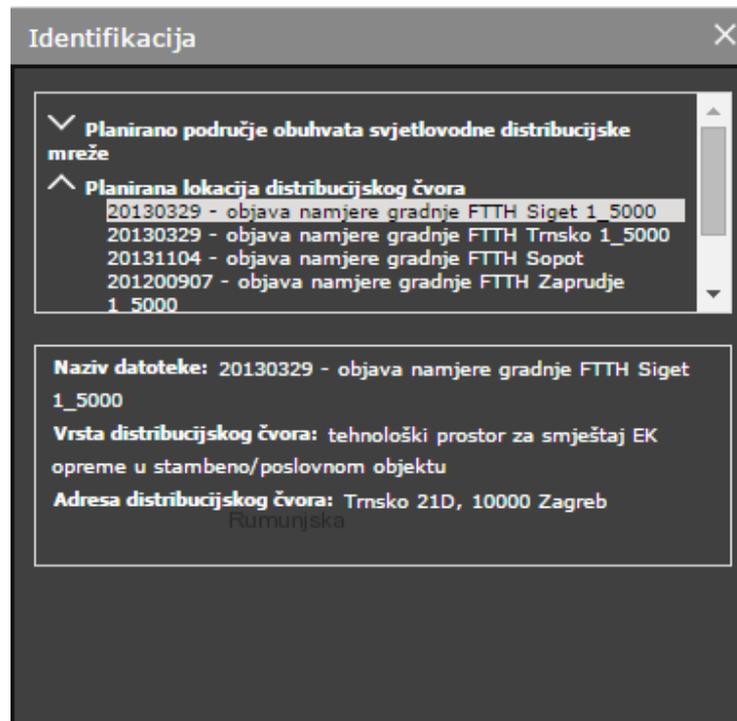
Go to point

Moving on the map - the mouse cursor should be placed on the map, press the left mouse button and while holding down the button move the mouse in the desired direction. During this time, the entire map view moves in the direction in which mouse moves. Releasing the left mouse button moving of map stops. When moving the map, scale remains unchanged.

Graphic scale is located in the lower left corner of the application. The distance value on the graphic scale is expressed in kilometers.



Identification - to identify data layer on which you want to perform identification needs to be activated. Click on the map to the object you want to identify. Results of identification are displayed in a separate window within the space map. The identified object will be marked on the map in blue.



Identification

1.1.1.3 Address search

Tool search address is located in the top left of the map.

After entering the street tool offers the appropriate search results.



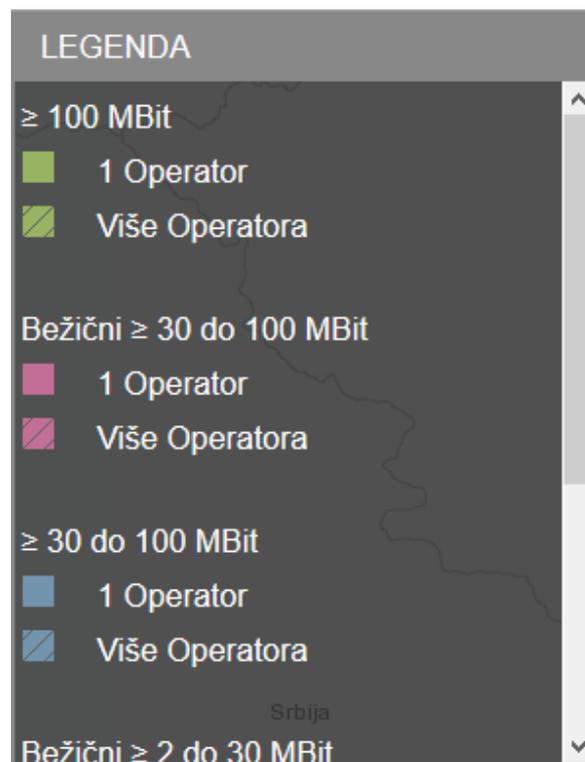
Select one of the results by clicking on it. The map view is zoomed to the selected search result.

1.1.1.4 Legend

When starting the viewer display of legend is hidden.

The legend is displayed by clicking the *Legend* in the upper right corner of the map.

Content of legend is changed depending on the active layer in the table of contents.



1.1.1.5 Header

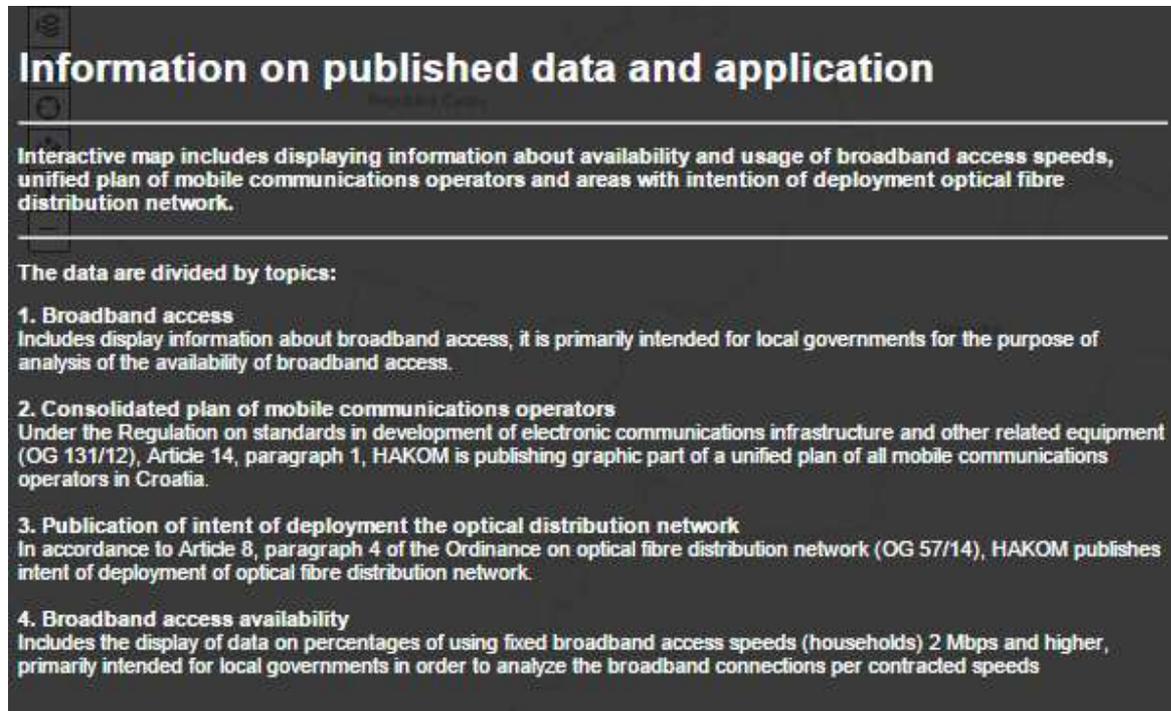
Logo HAKOM in the left side of the header takes us to the interactive portal for the public.

Right side of the header includes options for sharing links via social networks and options to change the viewer's language.



Header

Link *About* opens a new window with information about the application.



Information on published data and application

Interactive map includes displaying information about availability and usage of broadband access speeds, unified plan of mobile communications operators and areas with intention of deployment optical fibre distribution network.

The data are divided by topics:

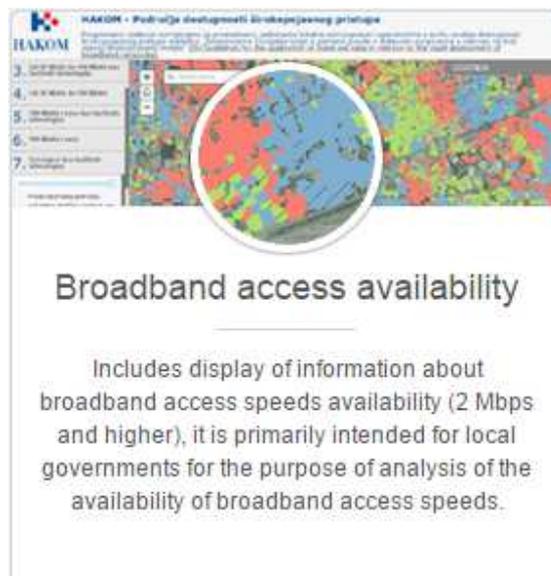
- 1. Broadband access**
Includes display information about broadband access, it is primarily intended for local governments for the purpose of analysis of the availability of broadband access.
- 2. Consolidated plan of mobile communications operators**
Under the Regulation on standards in development of electronic communications infrastructure and other related equipment (OG 131/12), Article 14, paragraph 1, HAKOM is publishing graphic part of a unified plan of all mobile communications operators in Croatia.
- 3. Publication of intent of deployment the optical distribution network**
In accordance to Article 8, paragraph 4 of the Ordinance on optical fibre distribution network (OG 57/14), HAKOM publishes intent of deployment of optical fibre distribution network.
- 4. Broadband access availability**
Includes the display of data on percentages of using fixed broadband access speeds (households) 2 Mbps and higher, primarily intended for local governments in order to analyze the broadband connections per contracted speeds

1.2 Themed viewers

1.2.1 Broadband access availability

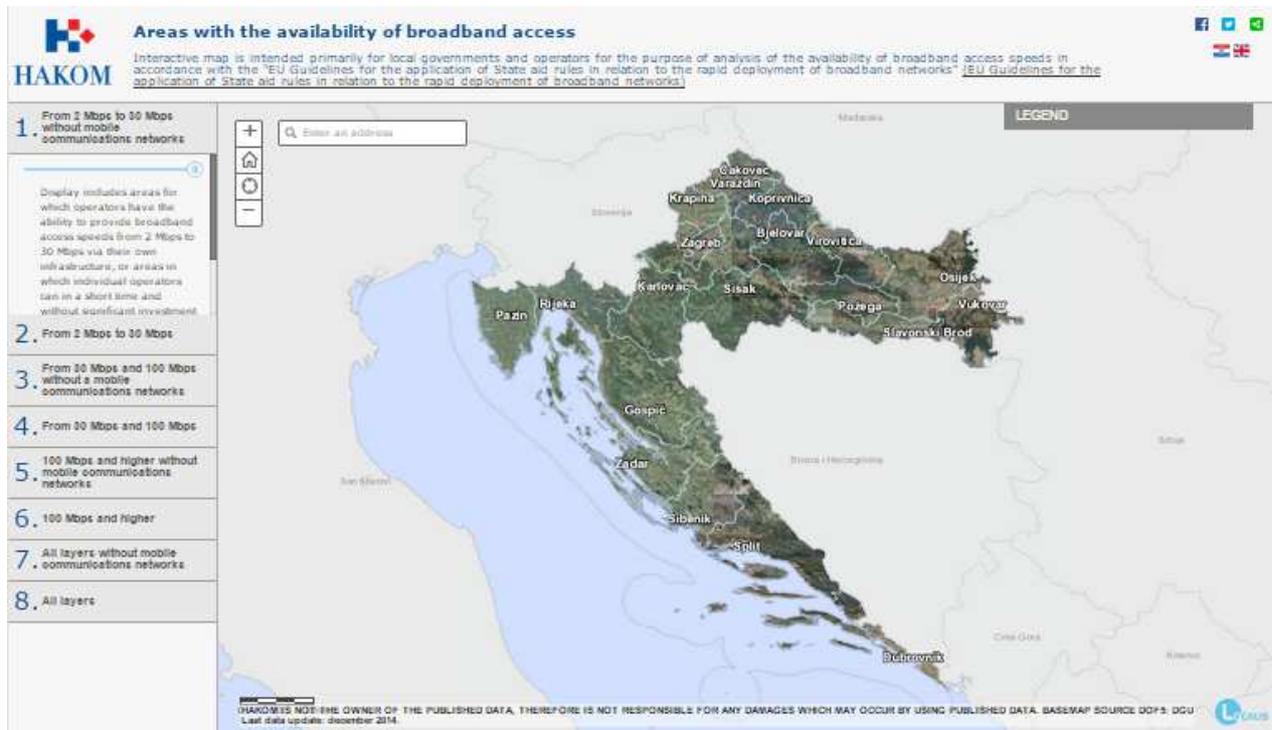
Includes display of information about broadband access speeds availability (2 Mbps and higher), it is primarily intended for local governments for the purpose of analysis of the availability of broadband access speeds. (EU Guidelines for the application of State aid rules in relation to the rapid deployment of broadband networks).

This browser is started by clicking the *Run* button on the page of interactive portal for the public.



Browser interface consists of the following components:

- Table of contents
- Map Tools
- Address search
- Map
- Legend
- Header



Broadband access availability viewer

1.2.1.1 Table of contents

The table of contents is located on the left side of the interface.

Contains available layers with data for display on the map.

The information display on the map depends on the included layers.

Clicking on the name of the layer extends to review the table of contents and lists the available data for the selected layer.

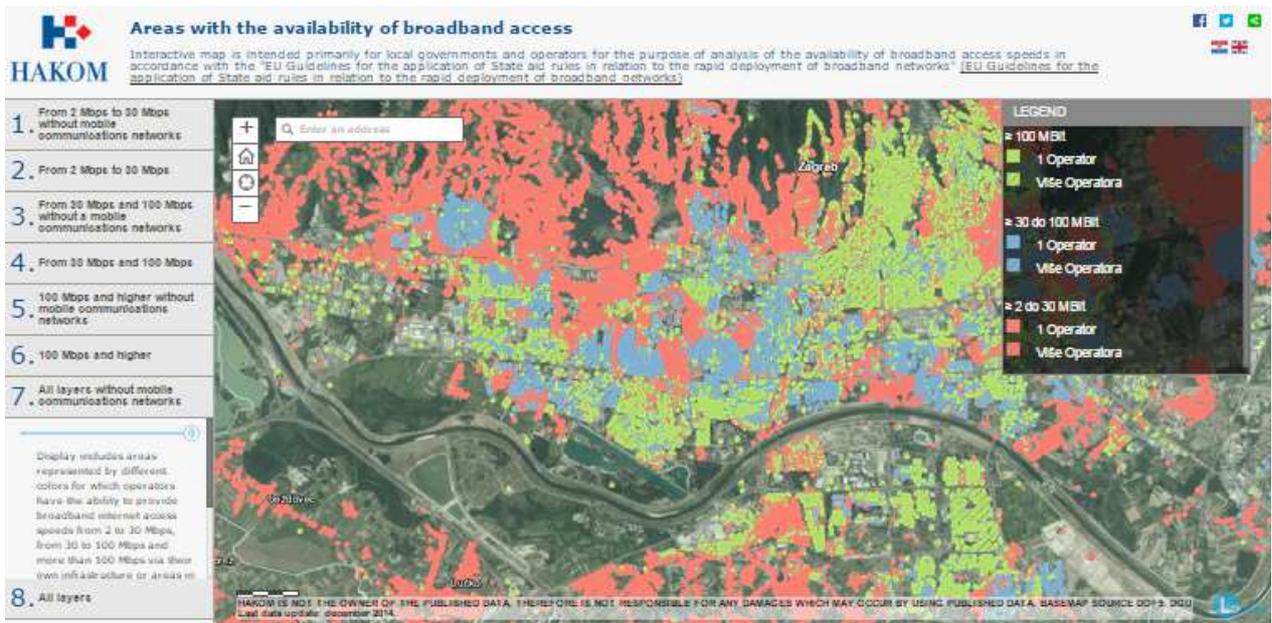
Transparency of the selected layer in relation to the map surface is defined by scroll bars.

Description layer is located under the bar for determining transparency.

Available layers are:

- From 2 Mbit/s to 30 Mbit/s without mobile communications network
- From 2 Mbit/s to 30 Mbit/s

- From 30 Mbit/s to 100 Mbit/s without a mobile communications network
- From 30 Mbit/s to 100 Mbit/s
- 100 Mbit/s and higher without a mobile communications network
- 100 Mbit/s and higher
- All layers without a mobile communications network
- All layers



View of data for the selected layer - All layers without mobile communications networks

1.2.1.2 Map tools



Zoom in – using this tool map view increases



Zoom out – using this tool map view decreases



Full extent - click on the tool to view the entire map area. Regardless of the current scale the map will be displayed in its entirety.



Current location - using this tool map is increased to the current location, if that option is permitted by the user.

Moving on the map - the mouse cursor should be placed on the map, press the left mouse button and while holding down the button move the mouse in the desired direction. During this time, the entire map view moves in the direction in which mouse moves. Releasing the left mouse button moving of map stops. When moving the map, scale remains unchanged.

Graphic scale is located in the lower left corner of the application. The distance value on the graphic scale is expressed in kilometers.



1.2.1.3 Address search

Tool address search is located in the top left of the map.

After entering the street tool offers the appropriate search results.



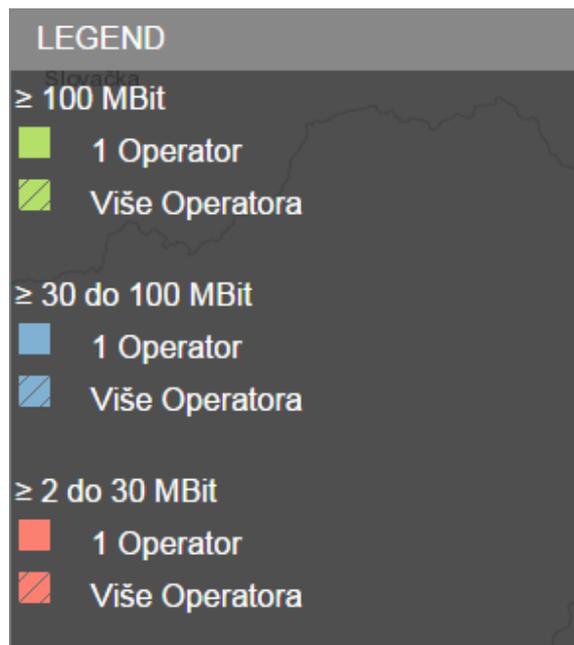
Select one of the results by clicking on it. The map view is zoomed to the selected search result.

1.2.1.4 Legend

When starting the viewer display of legend is hidden.

The legend is displayed by clicking the *Legend* in the upper right corner of the map.

Content of legend is changed depending on the active layer in the table of contents.



1.2.1.5 Header

Logo HAKOM in the left side of the header takes us to the interactive portal for the public.

Right side of the header includes options for sharing links via social networks and options to change the viewer's language.



Header

1.2.2 The consolidated plan of mobile communications operators

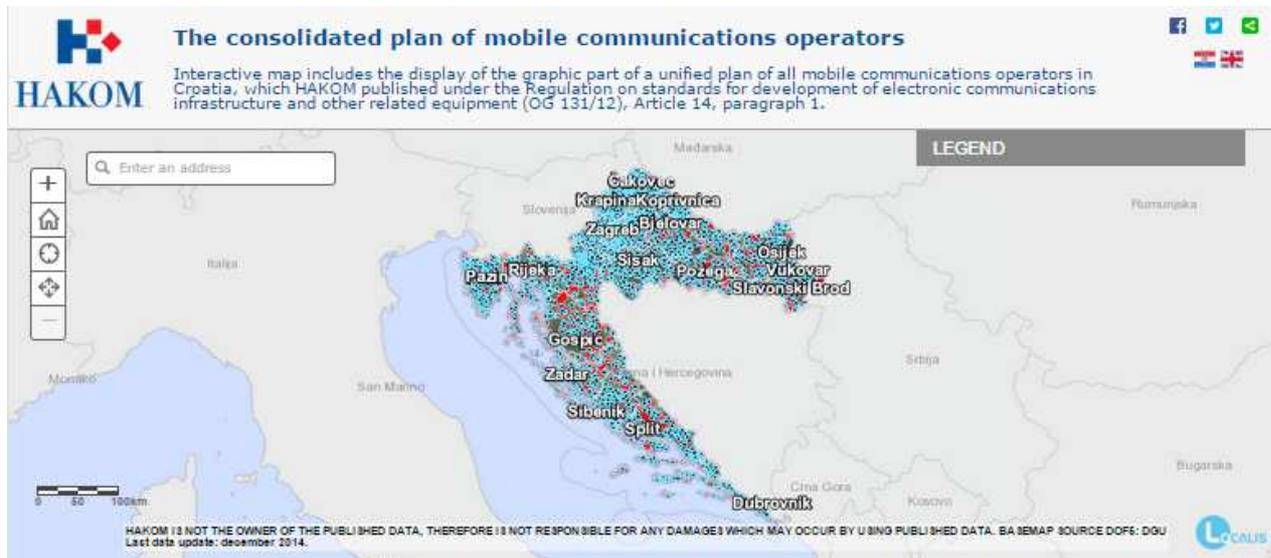
Interactive map includes the display of the graphic part of a unified plan of all mobile communications operators in Croatia, which HAKOM published under the Regulation on standards for development of electronic communications infrastructure and other related equipment (OG 131/12), Article 14, paragraph 1.

The consolidated plan of mobile communications operators is started by clicking the *Run* button on the page of the Portal.



Browser interface consists of the following components:

- Map Tools
- Address search
- Map
- Legend
- Header



Viewer The consolidated plan of mobile communications operators.

1.2.2.1 Map Tools



Zoom in – using this tool map view increases



Zoom out – using this tool map view decreases



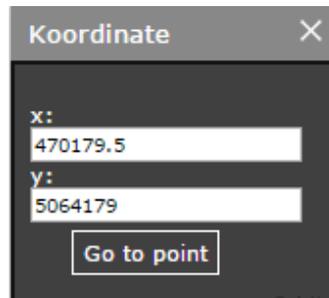
Full extent - click on the tool to view the entire map area. Regardless of the current scale the map will be displayed in its entirety.



Current location - using this tool map is increased to the current location, if that option is permitted by the user.



Coordinates - using this tool opens a separate window. Select a place on the map that you want to identify the coordinates and click on it. The coordinates will be displayed in the window. If you want to position to the specific coordinates, they need to be entered in the appropriate fields for it and click on the Go button on the coordinates.



Moving on the map - the mouse cursor should be placed on the map, press the left mouse button and while holding down the button move the mouse in the desired direction. During this time, the entire map view moves in the direction in which mouse moves. Releasing the left mouse button moving of map stops. When moving the map, scale remains unchanged. Graphic scale is located in the lower left corner of the application. The distance value on the graphic scale is expressed in kilometers.



1.2.2.2 Address search

Tool address search is located in the top left of the map.

After entering the street tool offers the appropriate search results.

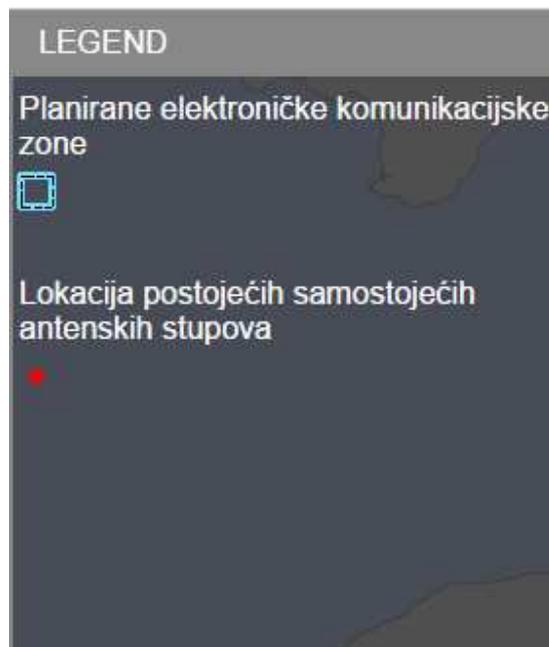


Select one of the results by clicking on it. The map view is increased to the selected search result.

1.2.2.3 Legend

When starting the viewer display of legend is hidden.

The legend is displayed by clicking the *Legend* in the upper right corner of the map.



1.2.2.4 Header

Logo HAKOM in the left side of the header takes us to the interactive portal for the public.

Right side of the header includes options for sharing links via social networks and options to change the viewer's language.

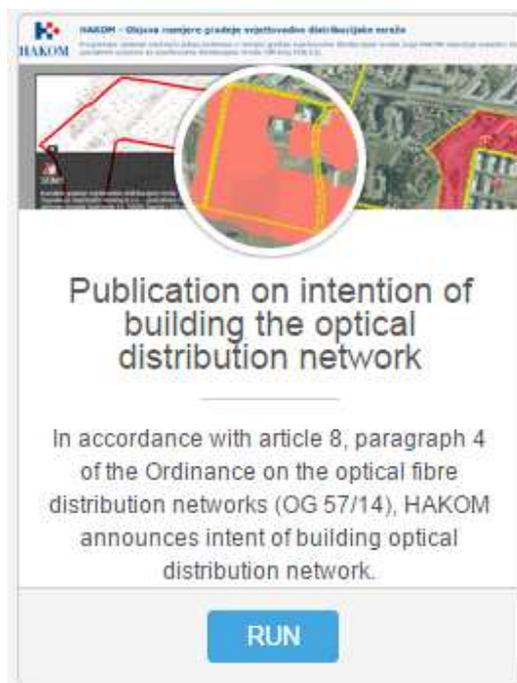


Header

1.2.3 Publication of intent of deployment the optical distribution network

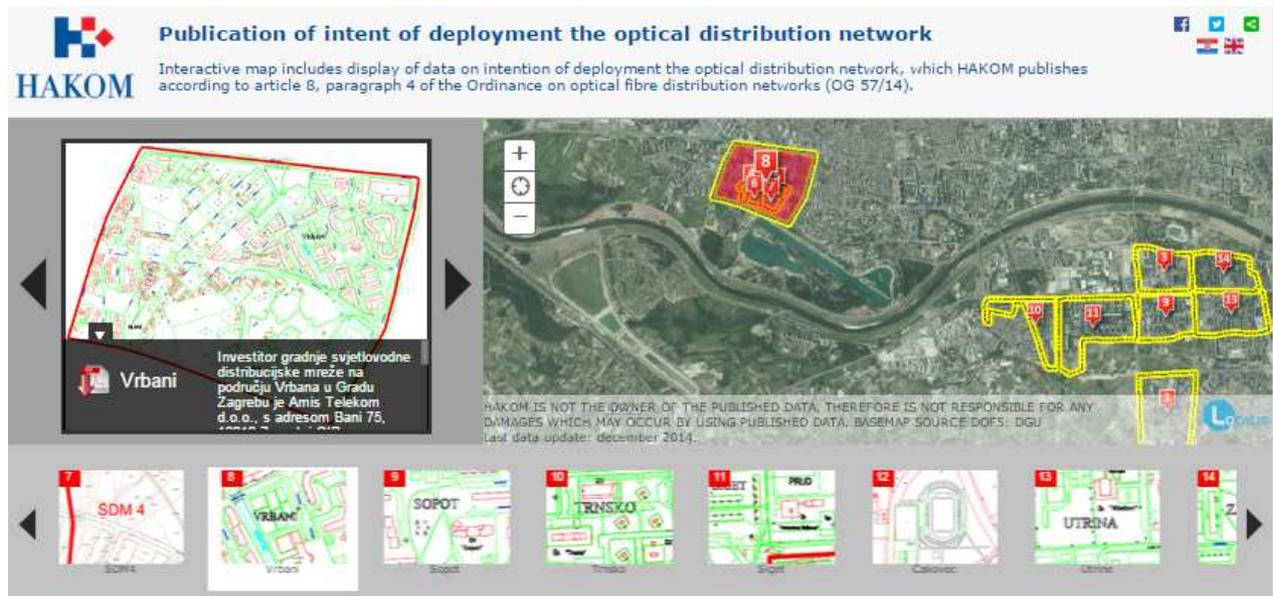
Interactive map includes display of data on intention of deployment the optical distribution network, which HAKOM publishes according to article 8, paragraph 4 of the Ordinance on optical fibre distribution networks (OG 57/14).

Publication of intent of deployment the optical distribution network is started by clicking the *Run* button on the page of the Portal.



Browser interface consists of the following components:

- Map Tools
- Map
- Plan view
- List of plans
- Header



Publication of intent of deployment the optical distribution network

1.2.3.1 Map Tools



Zoom in – using this tool map view increases



Zoom out – using this tool map view decreases



Current location - using this tool map is increased to the current location, if that option is permitted by the user.

Moving on the map - the mouse cursor should be placed on the map, press the left mouse button and while holding down the button move the mouse in the desired direction. During this time, the entire map view moves in the direction in which mouse moves. Releasing the left mouse button moving of map stops. When moving the map, scale remains unchanged.

1.2.3.2 Map

Map display is located in the right part of the interface.

The selected plan is marked in red on the map.



Display of selected plan on the map

1.2.3.3 Plan view

Left side of interface displays the selected plan of intent of building optical distribution network.

Use the black arrows on the right and left side to enable the movement to the next or previous plan.

In the lower left corner of the plan there is an arrow that display the details of the plan, as well as the documentation for download in PDF format.



Selected plan Središće – details and PDF for download

Clicking on the plan view is increased.

1.2.3.4 List of plans

All plans are available in the lower part of the interface.

Originally ten plans are displayed. To view other plans click on the right arrow.

The selected plan is shown enlarged thumbnail.



Available plans

1.2.3.5 Header

Logo HAKOM in the left side of the header takes us to the interactive portal for the public.

Right side of the header includes options for sharing links via social networks and options to change the viewer's language.

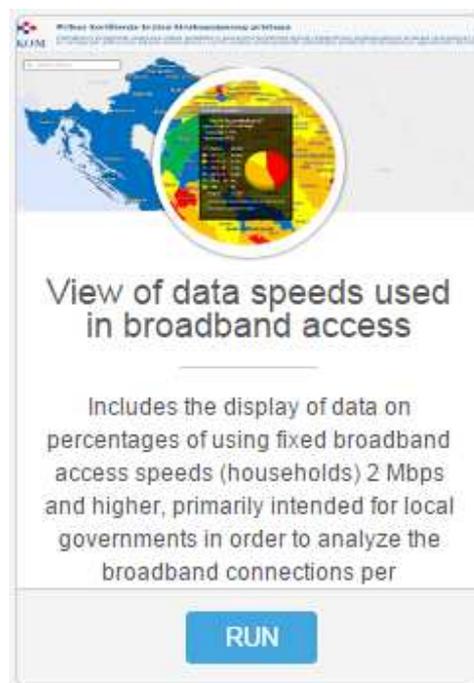


Header

1.2.4 Statistical overview of the availability of broadband internet access

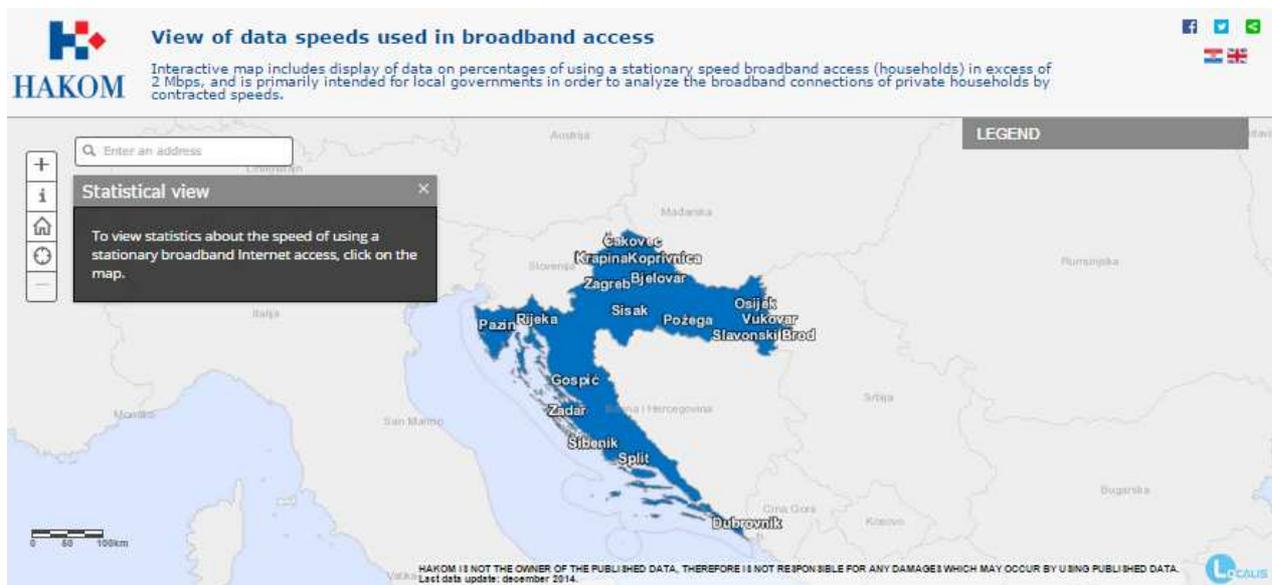
Interactive map includes display of data on percentages of using a stationary speed broadband access (households) in excess of 2 Mbps, and is primarily intended for local governments in order to analyze the broadband connections of private households by contracted speeds.

Statistical overview of the availability of broadband internet access is started by clicking the *Run* button on the page of the Portal.



Browser interface consists of the following components:

- Map Tools
- Address search
- Map
- Legend
- Header



Viewer statistical overview of the availability of broadband internet access

1.2.4.1 Map Tools

 Zoom in – using this tool map view increases

 Zoom out – using this tool map view decreases

 Full extent - click on the tool to view the entire map area. Regardless of the current scale the map will be displayed in its entirety.



Current location - using this tool map is increased to the current location, if that option is permitted by the user.

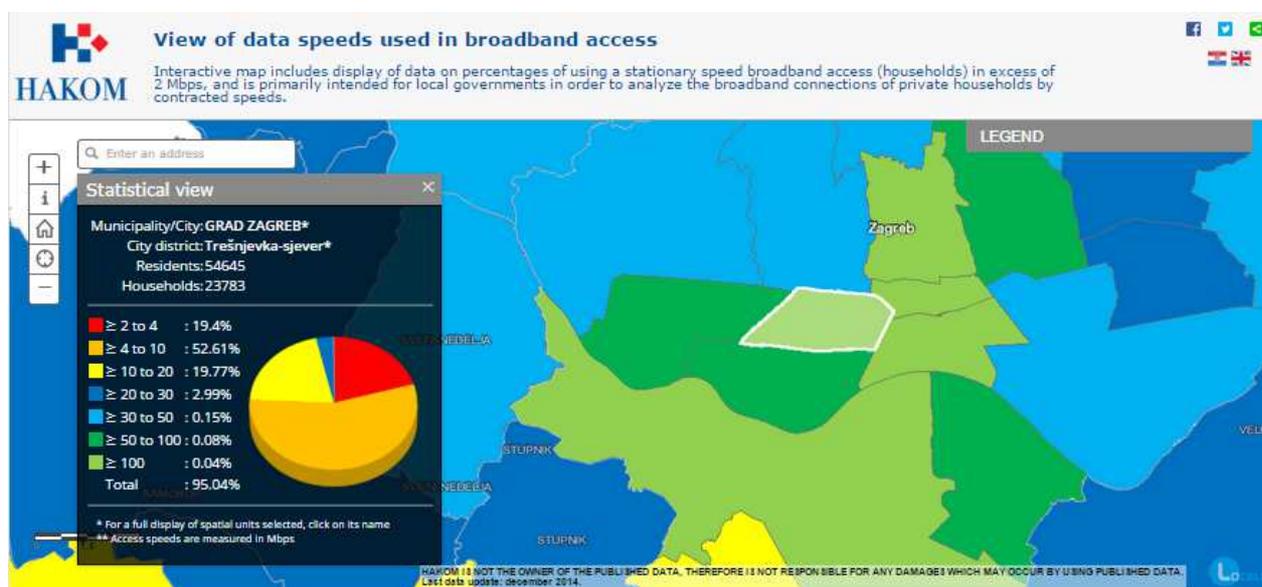
Moving on the map - the mouse cursor should be placed on the map, press the left mouse button and while holding down the button move the mouse in the desired direction. During this time, the entire map view moves in the direction in which mouse moves. Releasing the left mouse button moving of map stops. When moving the map, scale remains unchanged.

Graphic scale is located in the lower left corner of the application. The distance value on the graphic scale is expressed in kilometers.



Statistical view – to display statistical data, after selecting this tool, you need to click on the desired location on the map.

Results of identification are displayed in a separate window on the left side of interface.

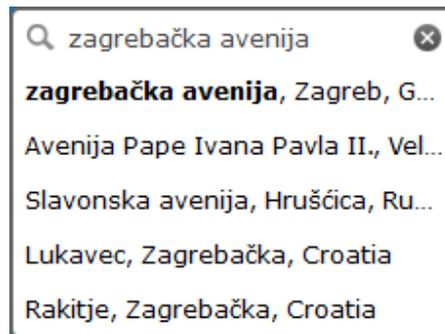


Statistical view

1.2.4.2 Address search

Tool address search is located in the top left of the map.

After entering the street tool offers the appropriate search results.

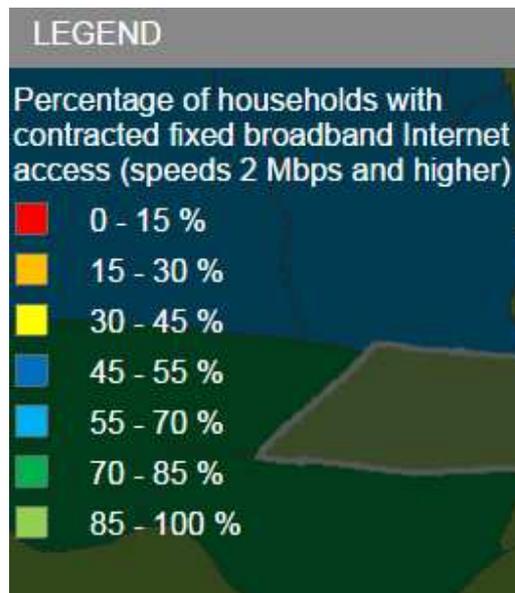


Select one of the results by clicking on it. The map view is increased to the selected search result.

1.2.4.3 Legend

When starting the viewer display of legend is hidden.

The legend is displayed by clicking the *Legend* in the upper right corner of the map.



1.2.4.4 Header

Logo HAKOM in the left side of the header takes us to the interactive portal for the public. Right side of the header includes options for sharing links via social networks and options to change the viewer's language.



Header